

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
 Data File : BG057001.D
 Acq On : 5 Apr 2023 22:04
 Operator : CG/JU
 Sample : 02126-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RS-F

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057001.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.444	316	324	332	rBB	120643	194861	10.47%	0.837%
2	5.919	398	405	416	rBV	305182	506848	27.23%	2.178%
3	7.541	674	681	690	rVB	330448	575665	30.93%	2.473%
4	8.410	823	829	836	rVB2	64756	107390	5.77%	0.461%
5	9.591	1020	1030	1038	rBV	192947	347739	18.68%	1.494%
6	10.654	1205	1211	1217	rBV3	21731	37575	2.02%	0.161%
7	11.253	1306	1313	1318	rBV	90365	158476	8.51%	0.681%
8	11.300	1318	1321	1331	rVB	23111	36262	1.95%	0.156%
9	12.669	1547	1554	1561	rBV	541369	856520	46.02%	3.680%
10	12.881	1585	1590	1595	rVB	21664	31841	1.71%	0.137%
11	13.092	1616	1626	1632	rVB	22356	36955	1.99%	0.159%
12	13.650	1714	1721	1732	rBV	546548	821425	44.13%	3.529%
13	13.850	1751	1755	1763	rVB3	27346	40874	2.20%	0.176%
14	14.208	1806	1816	1820	rBV2	11633	26911	1.45%	0.116%
15	14.343	1833	1839	1844	rBV3	21539	35622	1.91%	0.153%
16	14.402	1844	1849	1853	rVB2	13204	19051	1.02%	0.082%
17	14.754	1903	1909	1921	rBV4	13064	27220	1.46%	0.117%
18	15.025	1949	1955	1961	rVV	137065	206057	11.07%	0.885%
19	15.089	1961	1966	1972	rVB	66168	103970	5.59%	0.447%
20	15.412	2012	2021	2028	rVV4	35296	64411	3.46%	0.277%
21	15.630	2050	2058	2062	rBV3	10775	19473	1.05%	0.084%
22	16.064	2126	2132	2141	rVB	78634	123652	6.64%	0.531%
23	16.352	2178	2181	2187	rVB4	17731	27637	1.48%	0.119%
24	16.505	2200	2207	2214	rVB	440400	657020	35.30%	2.823%
25	17.063	2292	2302	2306	rBV3	24700	55391	2.98%	0.238%
26	17.110	2306	2310	2316	rVV4	18045	26346	1.42%	0.113%
27	17.280	2332	2339	2343	rBV7	12968	27588	1.48%	0.119%
28	17.416	2357	2362	2367	rVB4	16655	27651	1.49%	0.119%
29	17.480	2367	2373	2377	rBV4	12568	26406	1.42%	0.113%
30	17.580	2386	2390	2398	rVB2	34004	54885	2.95%	0.236%
31	17.768	2416	2422	2425	rBV	160328	265420	14.26%	1.140%
32	17.809	2425	2429	2435	rVV	650825	962700	51.72%	4.136%
33	17.897	2435	2444	2449	rVV	143602	233042	12.52%	1.001%
34	17.944	2450	2452	2458	rVB3	17103	25045	1.35%	0.108%
35	18.162	2483	2489	2494	rBV	34894	63974	3.44%	0.275%
36	18.273	2504	2508	2512	rBV	18563	24373	1.31%	0.105%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.344	2515	2520	2525	rVB3	18828	30887	1.66%	0.133%
38	18.479	2539	2543	2551	rBV4	16775	32118	1.73%	0.138%
39	18.602	2559	2564	2566	rBV3	52279	76076	4.09%	0.327%
40	18.632	2566	2569	2573	rVV	92016	117703	6.32%	0.506%
41	18.679	2573	2577	2583	rVB	123378	185766	9.98%	0.798%
42	18.761	2584	2591	2595	rBV	41119	63238	3.40%	0.272%
43	18.831	2595	2603	2606	rBV4	152014	306007	16.44%	1.315%
44	19.113	2646	2651	2655	rBV	74673	112258	6.03%	0.482%
45	19.160	2655	2659	2669	rVB3	47364	84336	4.53%	0.362%
46	19.237	2669	2672	2676	rBV3	11838	19627	1.05%	0.084%
47	19.354	2685	2692	2696	rBV3	29050	50997	2.74%	0.219%
48	19.407	2697	2701	2704	rBV	25522	29313	1.57%	0.126%
49	19.442	2704	2707	2711	rVB3	22305	29566	1.59%	0.127%
50	19.524	2715	2721	2726	rBV	73084	135795	7.30%	0.583%
51	19.595	2726	2733	2736	rBV5	27908	60275	3.24%	0.259%
52	19.671	2741	2746	2758	rVV6	47742	121416	6.52%	0.522%
53	19.801	2760	2768	2773	rVV	1289142	1861378	100.00%	7.997%
54	19.848	2773	2776	2779	rVV4	29665	46920	2.52%	0.202%
55	19.883	2779	2782	2787	rVV3	37919	53243	2.86%	0.229%
56	19.936	2788	2791	2795	rVV3	18005	31303	1.68%	0.134%
57	19.971	2795	2797	2802	rVV5	17717	29441	1.58%	0.126%
58	20.041	2802	2809	2817	rVV2	47421	105883	5.69%	0.455%
59	20.124	2817	2823	2825	rVV2	195057	332519	17.86%	1.429%
60	20.159	2825	2829	2835	rVV	1038943	1583841	85.09%	6.805%
61	20.218	2835	2839	2845	rVB	62865	97729	5.25%	0.420%
62	20.335	2853	2859	2863	rBV	846710	1098737	59.03%	4.721%
63	20.388	2863	2868	2873	rVB2	33856	65255	3.51%	0.280%
64	20.476	2875	2883	2888	rBV3	84217	216043	11.61%	0.928%
65	20.523	2888	2891	2896	rVV4	14501	20734	1.11%	0.089%
66	20.635	2901	2910	2919	rVB	189203	396453	21.30%	1.703%
67	20.735	2922	2927	2931	rBV	137119	198222	10.65%	0.852%
68	20.799	2931	2938	2941	rVV2	101125	179101	9.62%	0.769%
69	20.834	2941	2944	2947	rVB	38674	42071	2.26%	0.181%
70	20.940	2958	2962	2966	rBV	75954	110605	5.94%	0.475%
71	20.993	2967	2971	2979	rVB	72319	127046	6.83%	0.546%
72	21.252	3011	3015	3017	rBV4	15557	22765	1.22%	0.098%
73	21.381	3033	3037	3041	rBV6	21156	42486	2.28%	0.183%
74	21.434	3042	3046	3052	rVB2	70924	120148	6.45%	0.516%
75	21.639	3071	3081	3085	rBV2	120312	297024	15.96%	1.276%
76	21.733	3092	3097	3102	rBV2	94694	165778	8.91%	0.712%

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77	21.792	3102	3107	3118	rVB2	69307	158601	8.52%	0.681%
78	22.068	3147	3154	3162	rBV2	541331	1285530	69.06%	5.523%
79	22.144	3162	3167	3178	rVB	430336	823401	44.24%	3.538%
80	22.244	3180	3184	3189	rVB5	20483	35943	1.93%	0.154%
81	22.309	3189	3195	3201	rBV	101583	175539	9.43%	0.754%
82	22.526	3227	3232	3240	rVB2	53419	110519	5.94%	0.475%
83	22.885	3283	3293	3298	rBV2	75237	202669	10.89%	0.871%
84	22.955	3302	3305	3311	rVB2	50832	86425	4.64%	0.371%
85	23.055	3317	3322	3327	rBV5	20804	44828	2.41%	0.193%
86	23.120	3329	3333	3337	rVB3	27848	48990	2.63%	0.210%
87	23.178	3339	3343	3348	rBV2	42270	86669	4.66%	0.372%
88	23.325	3364	3368	3378	rVB4	40102	97162	5.22%	0.417%
89	23.872	3458	3461	3473	rVB2	52696	132598	7.12%	0.570%
90	24.512	3559	3570	3578	rBV	301075	1195542	64.23%	5.137%
91	24.788	3610	3617	3626	rVB3	62074	157779	8.48%	0.678%
92	25.011	3650	3655	3660	rBV6	24560	60460	3.25%	0.260%
93	25.311	3697	3706	3720	rVB	194797	597732	32.11%	2.568%
94	25.475	3724	3734	3746	rVB	284776	892574	47.95%	3.835%
95	25.640	3754	3762	3770	rBV2	68251	215852	11.60%	0.927%
96	25.728	3771	3777	3789	rVB3	83581	260300	13.98%	1.118%
97	29.746	4447	4461	4480	rVB3	119094	652921	35.08%	2.805%
98	31.038	4667	4681	4694	rBV2	85029	396738	21.31%	1.705%

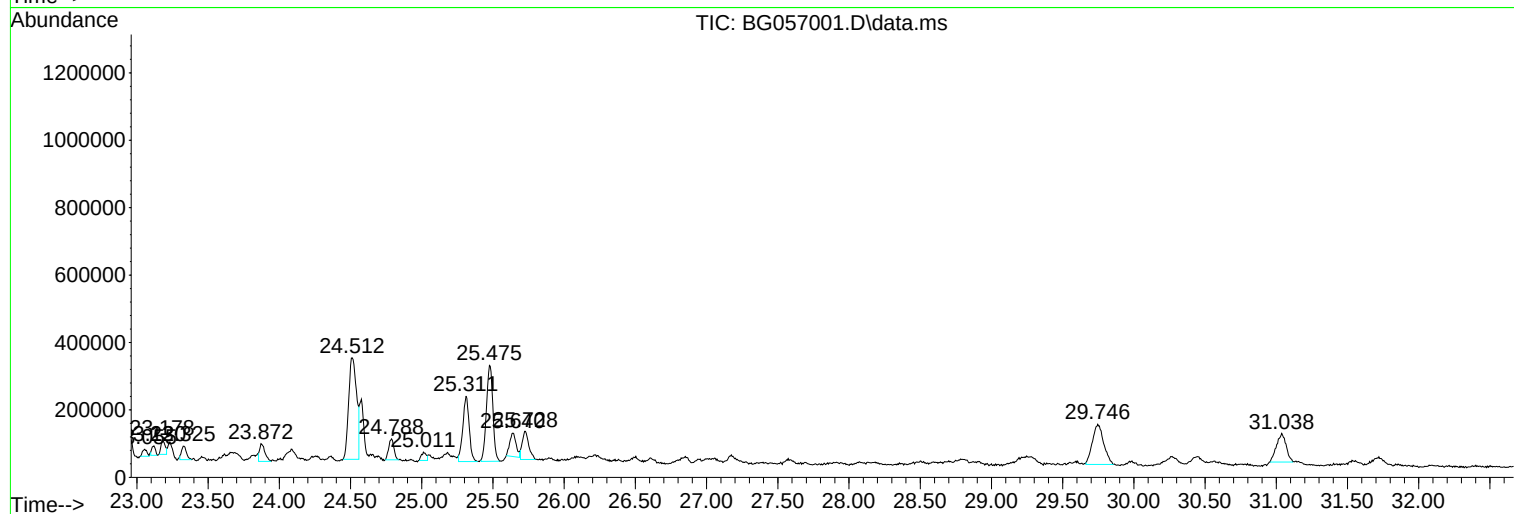
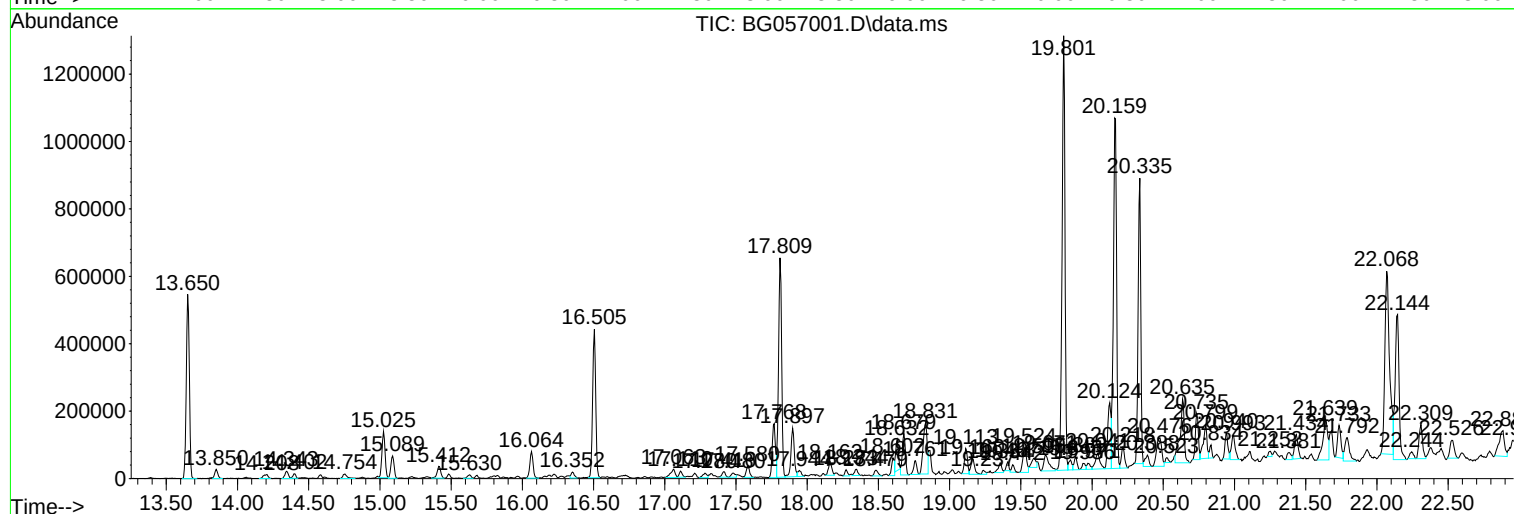
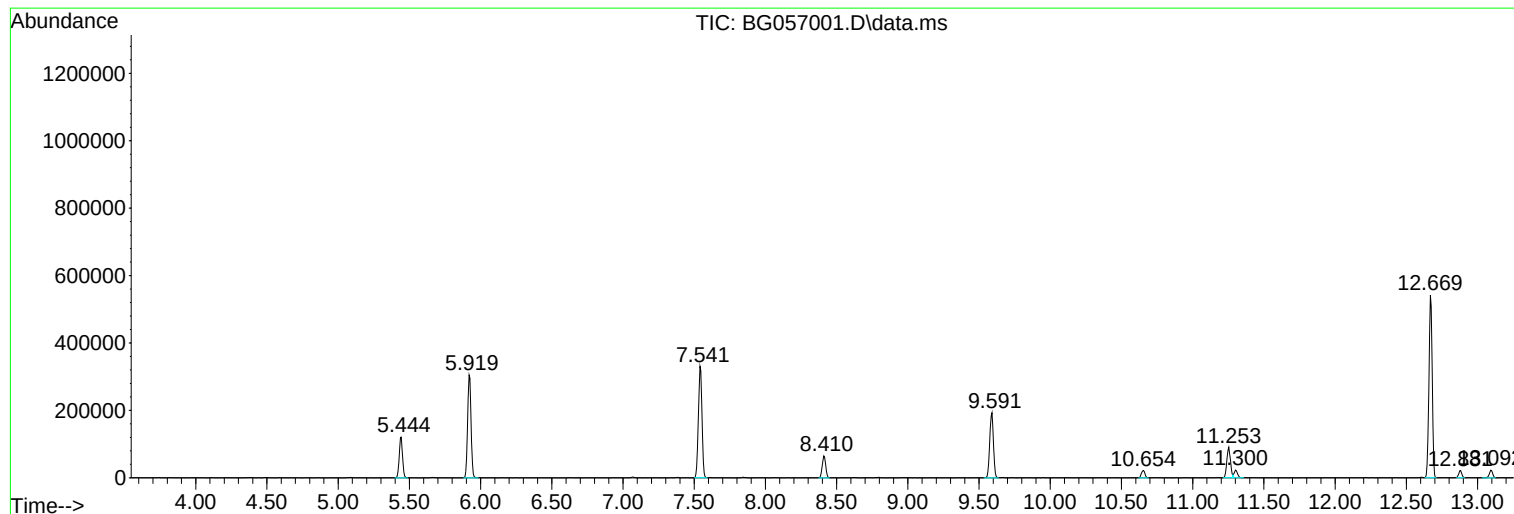
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Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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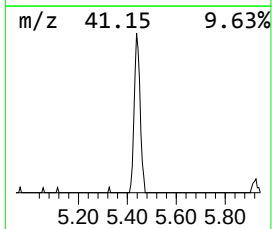
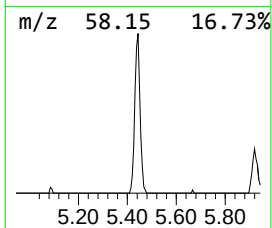
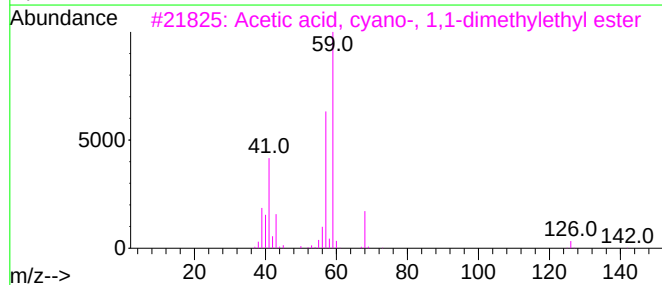
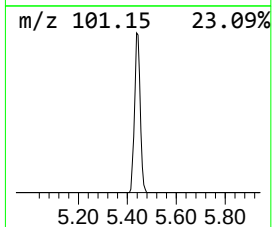
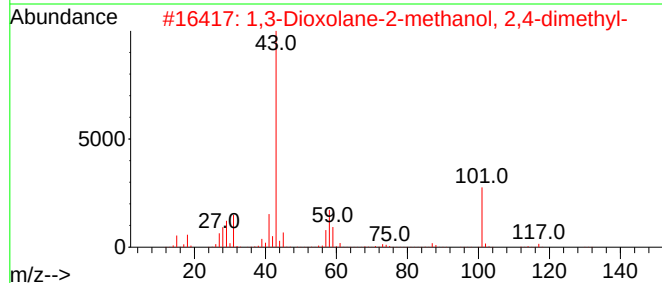
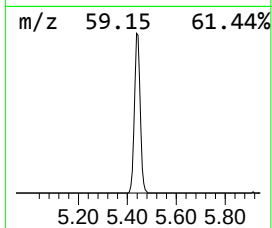
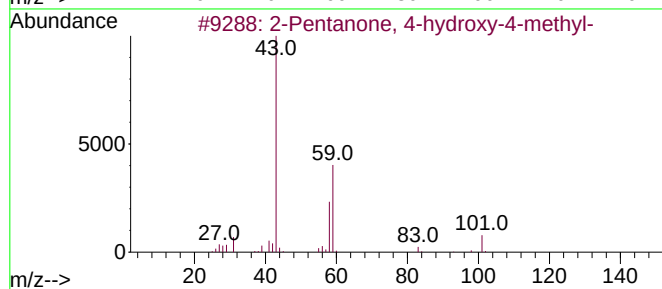
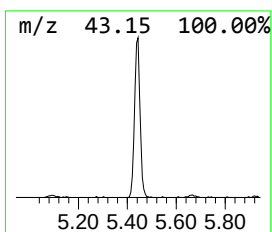
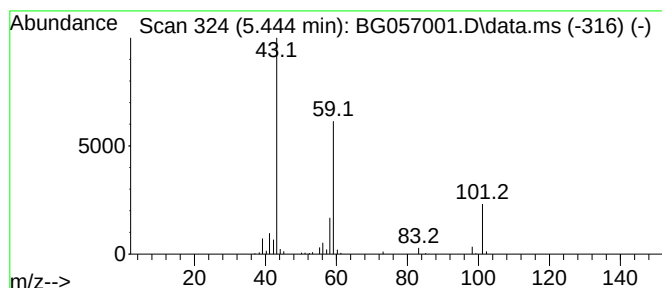
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.444	36.29 ng	194861	1,4-Dichlorobenzene-d4	8.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	28		
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
4	Acetone	58	C3H6O	000067-64-1	9		
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9		



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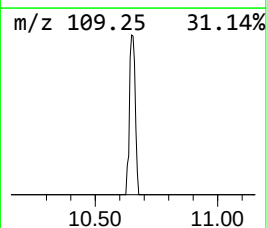
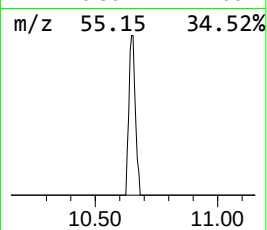
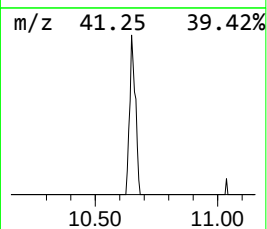
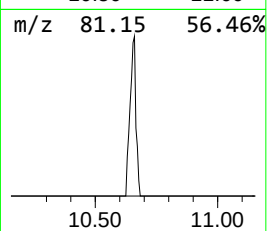
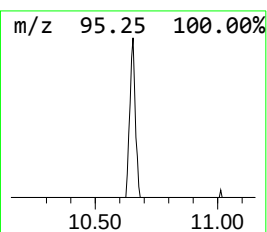
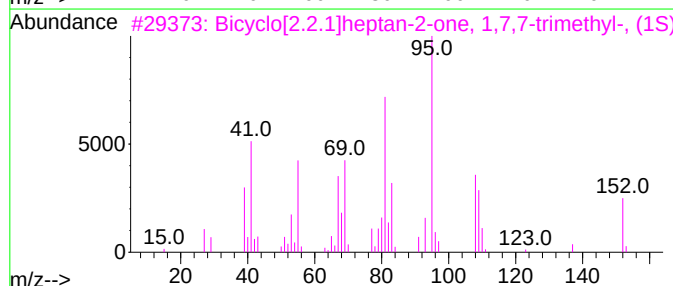
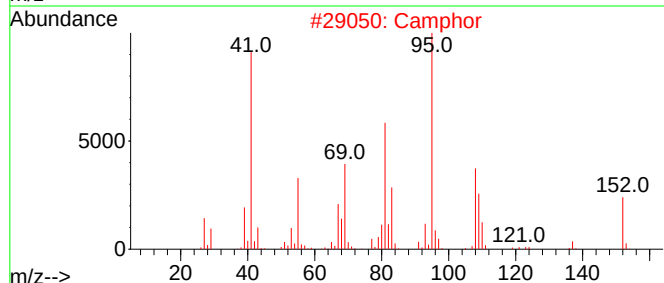
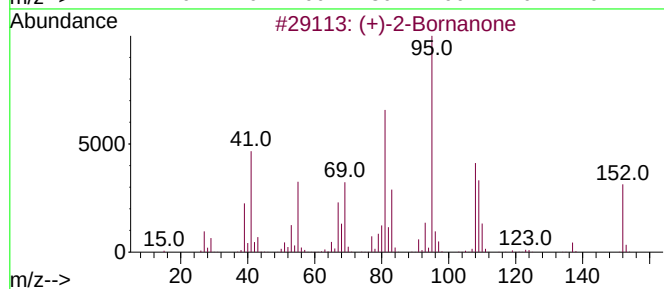
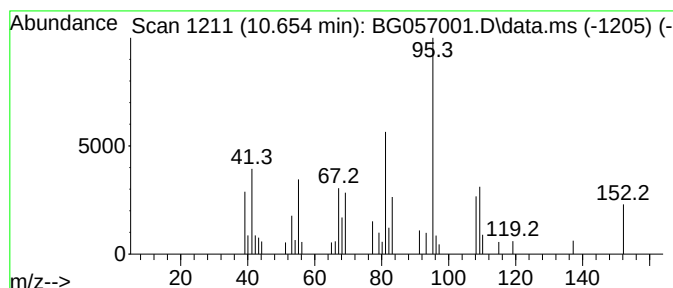
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (+)-2-Bornanone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.654	4.74 ng	37575	Naphthalene-d8	11.253	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	90
2	Camphor	152	C10H16O	000076-22-2	72
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	70
4	Bicyclo[2.2.1]heptan-2-one, 5,5,...	152	C10H16O	003649-86-3	53
5	5,7-Octadien-4-one, 2,6-dimethyl...	152	C10H16O	003588-18-9	50



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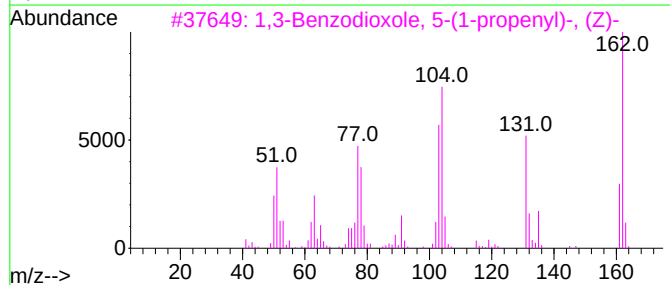
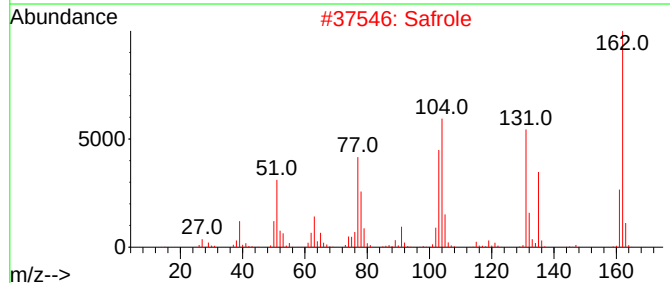
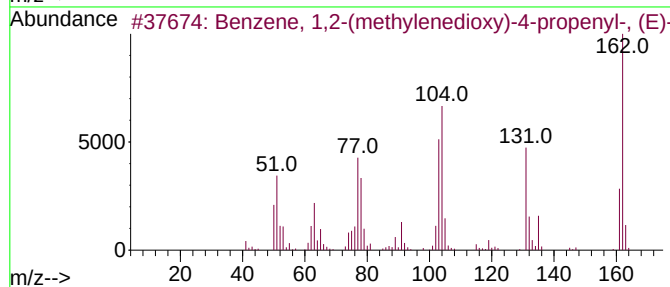
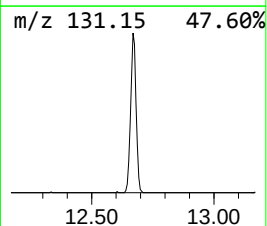
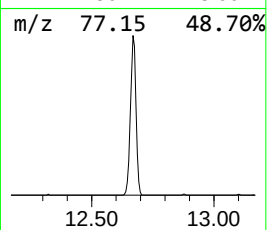
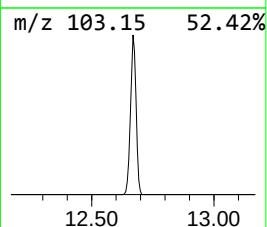
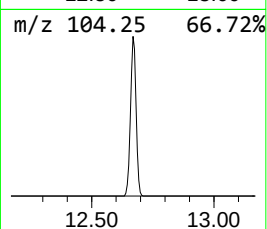
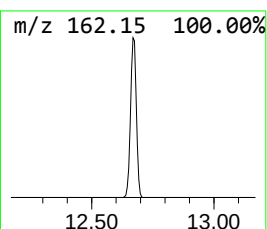
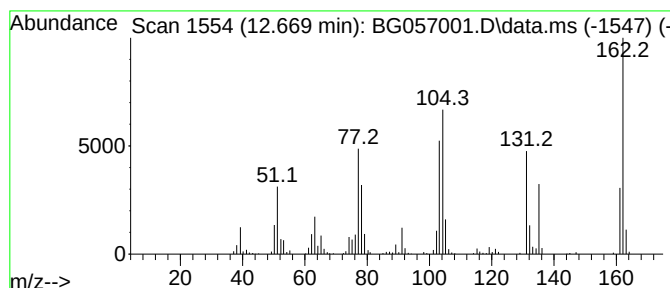
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1,2-(methylenedioxy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.669	108.10 ng	856520	Naphthalene-d8	11.253	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-(methylenedioxy)-4-...	162	C10H10O2	004043-71-4	98
2	Safrole	162	C10H10O2	000094-59-7	98
3	1,3-Benzodioxole, 5-(1-propenyl)...	162	C10H10O2	017627-76-8	98
4	1,3-Benzodioxole, 5-(1-propenyl)-	162	C10H10O2	000120-58-1	97
5	1,4-Dioxo-1,2,3,4-tetrahydrophth...	162	C8H6N2O2	001445-69-8	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057001.D
Acq On : 5 Apr 2023 22:04
Operator : CG/JU
Sample : 02126-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RS-F

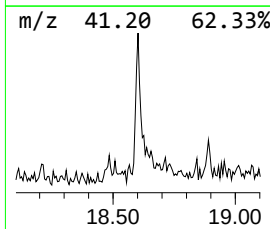
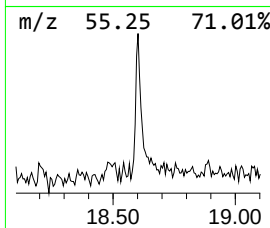
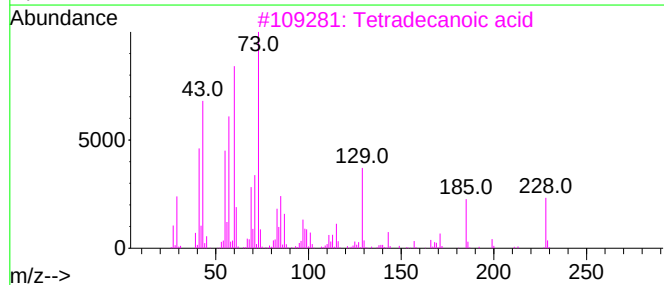
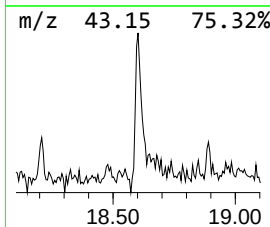
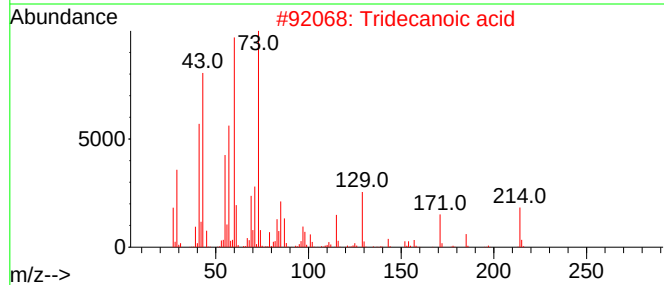
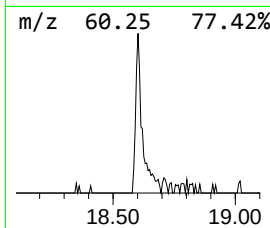
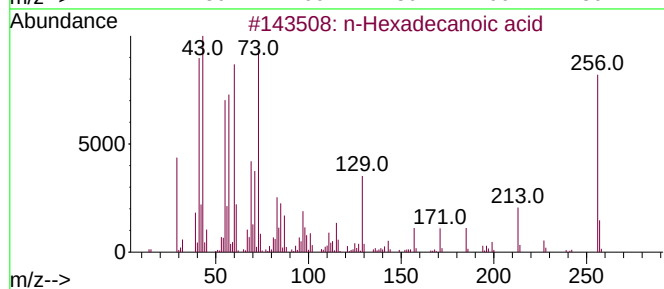
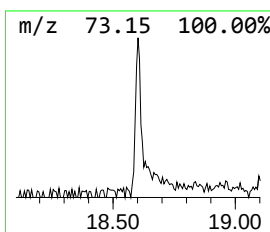
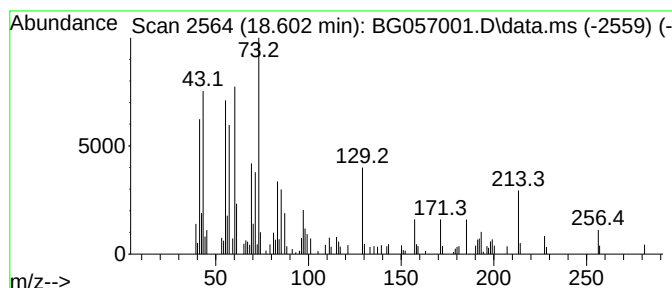
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.602	5.73 ng	76076	Phenanthrene-d10	17.768

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2			Tridecanoic acid	214	C13H26O2	000638-53-9	76
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4			Dodecanoic acid	200	C12H24O2	000143-07-7	52
5			.alpha.-D-Glucopyranose, 4-O-.be...	342	C12H22O11	014641-93-1	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057001.D
Acq On : 5 Apr 2023 22:04
Operator : CG/JU
Sample : 02126-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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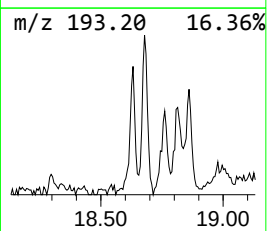
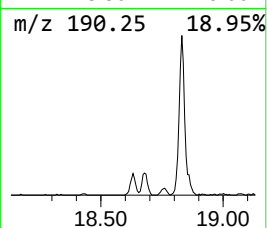
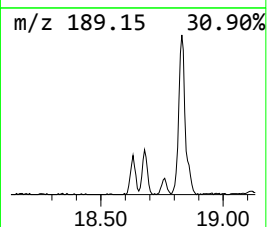
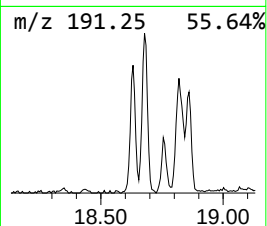
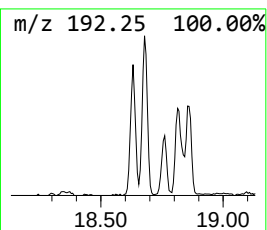
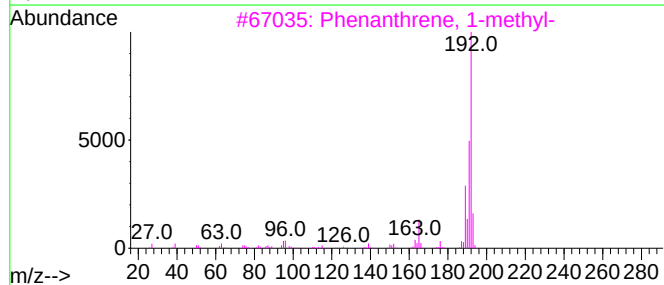
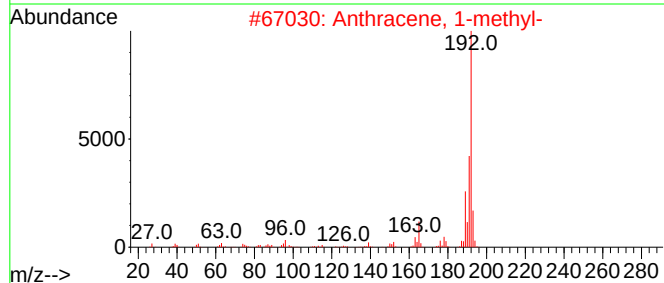
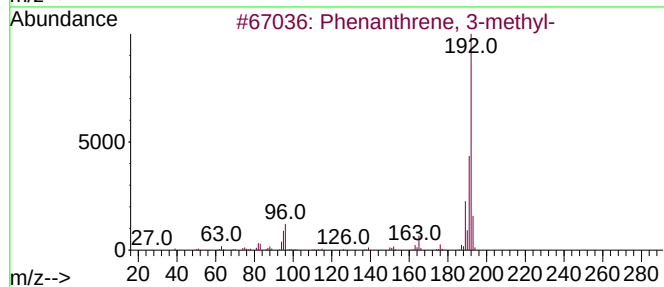
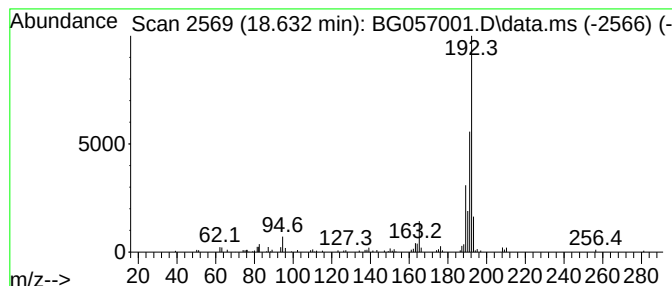
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Phenanthrene, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.631	8.87 ng	117703	Phenanthrene-d10	17.768

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
4			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057001.D
Acq On : 5 Apr 2023 22:04
Operator : CG/JU
Sample : 02126-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RS-F

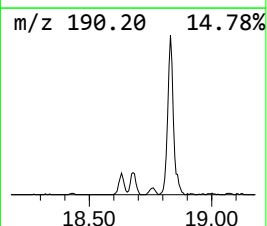
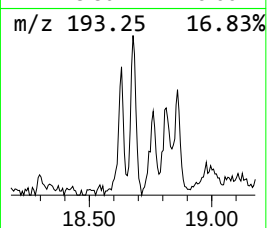
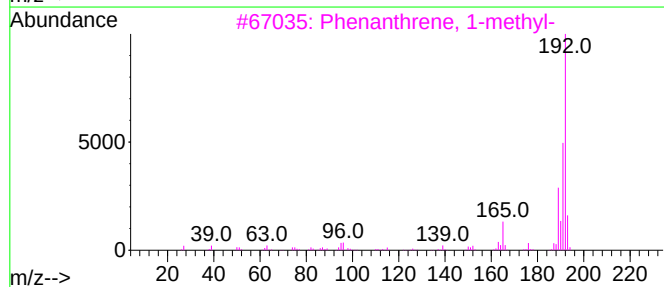
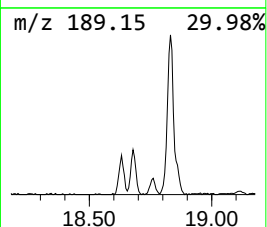
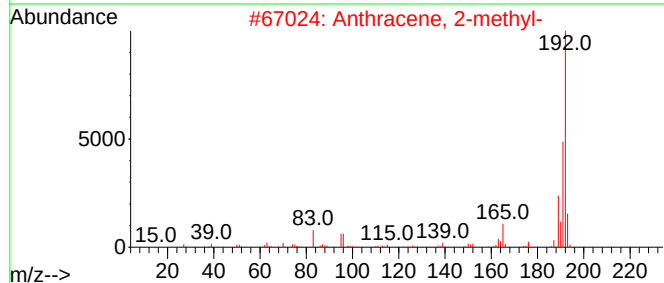
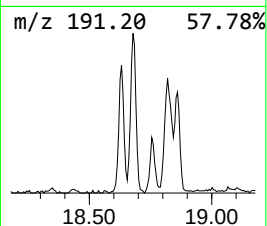
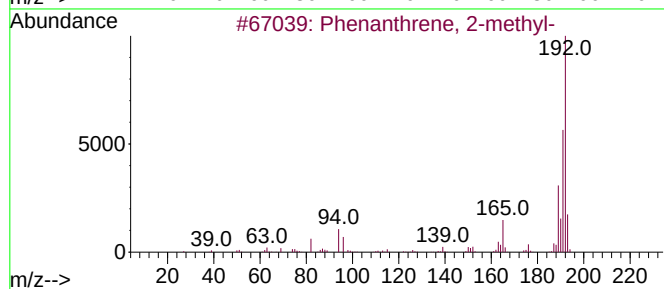
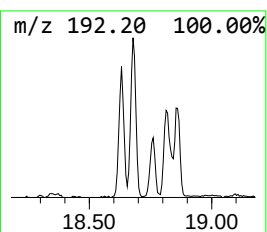
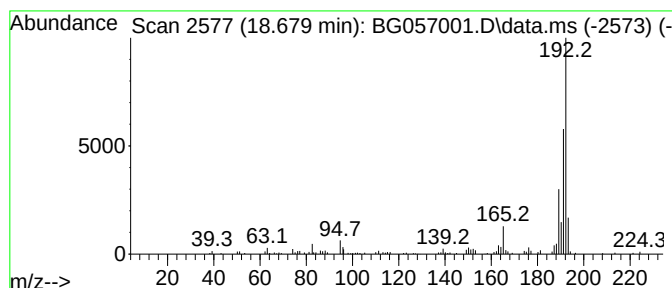
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.679	14.00 ng	185766	Phenanthrene-d10	17.768

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057001.D
Acq On : 5 Apr 2023 22:04
Operator : CG/JU
Sample : 02126-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RS-F

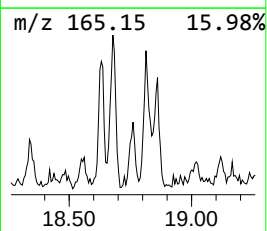
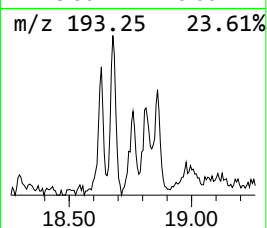
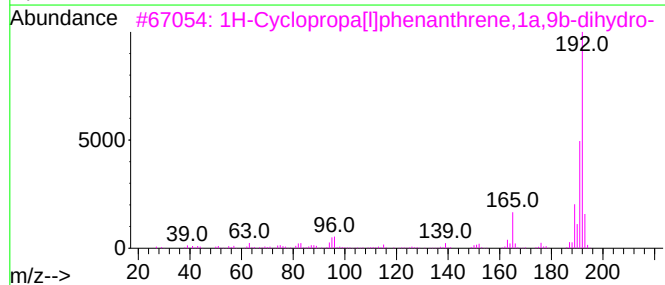
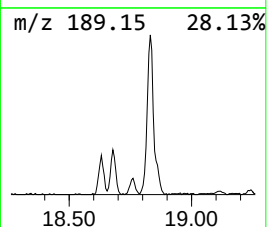
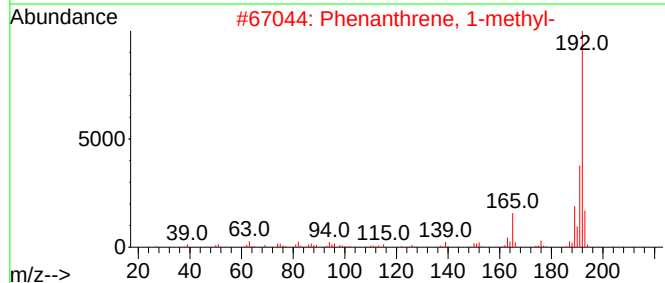
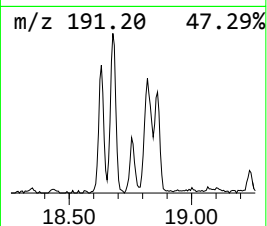
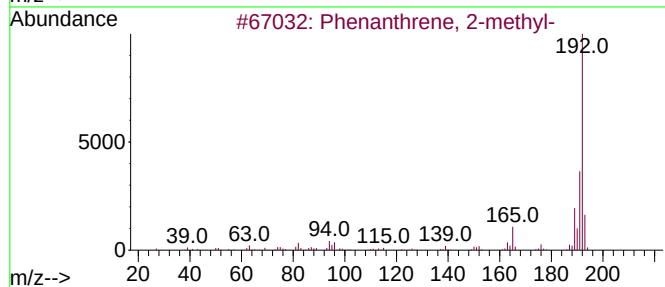
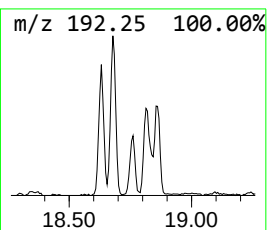
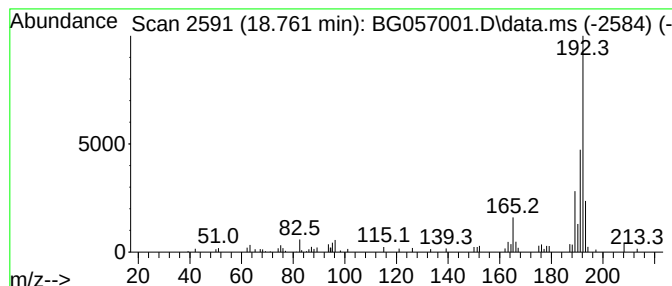
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.761	4.77 ng	63238	Phenanthrene-d10	17.768

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
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Acq On : 5 Apr 2023 22:04
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Sample : 02126-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

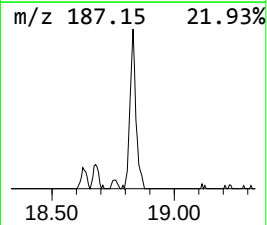
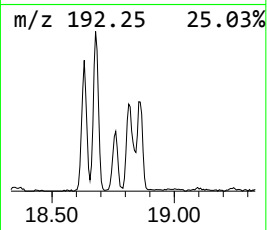
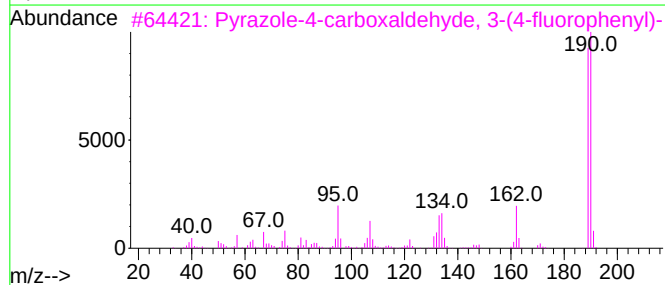
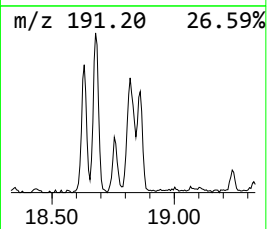
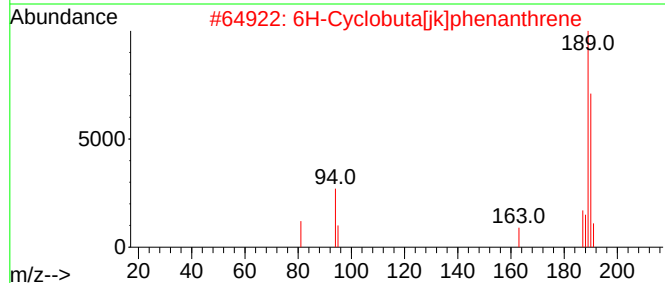
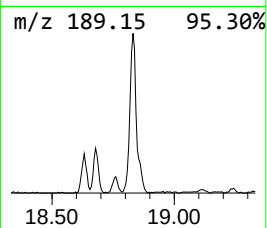
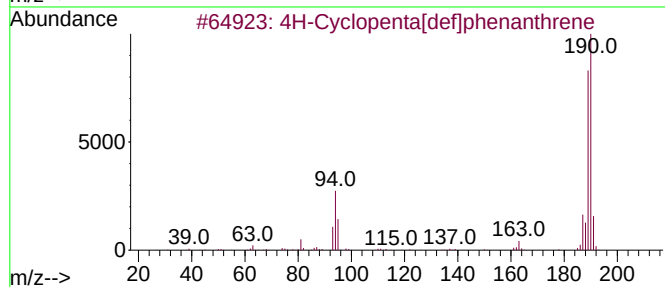
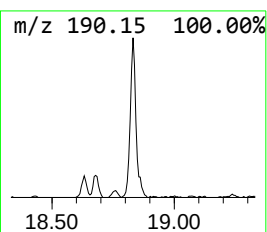
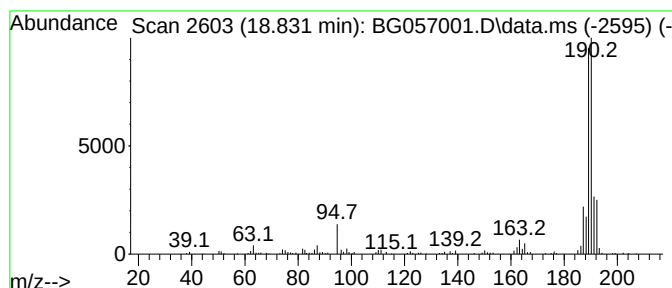
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.831	23.06 ng	306007	Phenanthrene-d10	17.768	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	52
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
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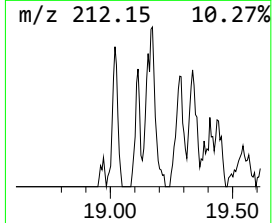
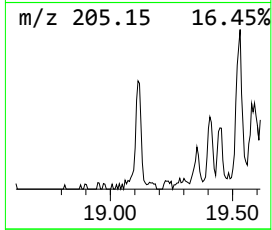
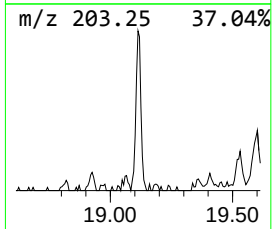
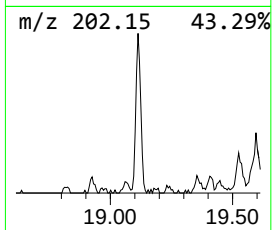
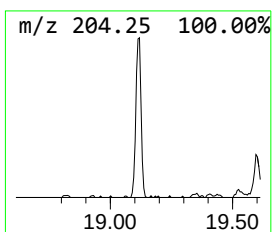
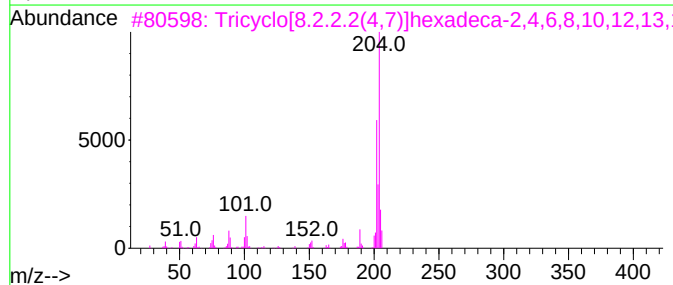
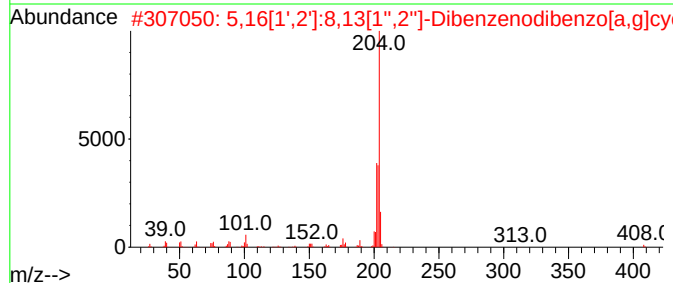
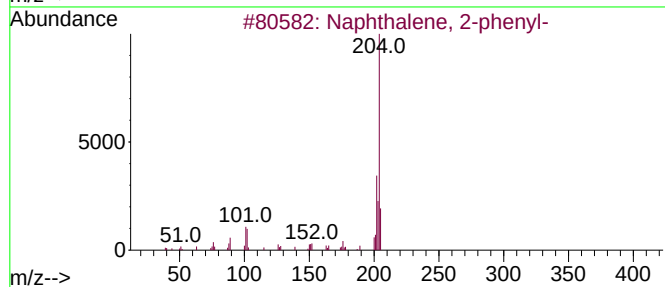
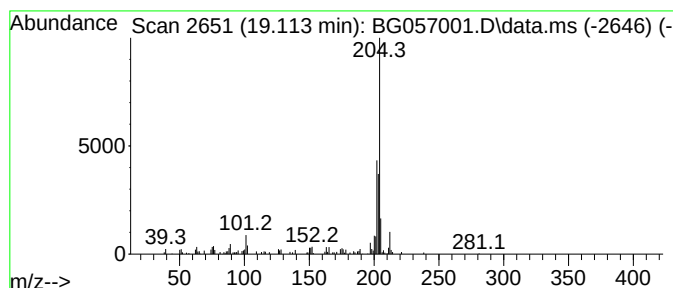
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.113	8.46 ng	112258	Phenanthrene-d10	17.768	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057001.D
Acq On : 5 Apr 2023 22:04
Operator : CG/JU
Sample : 02126-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RS-F

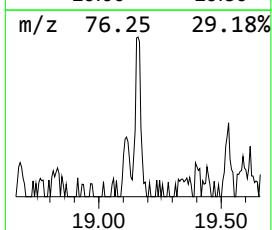
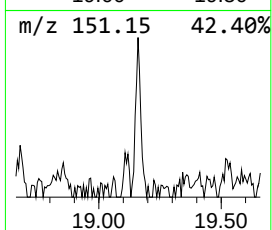
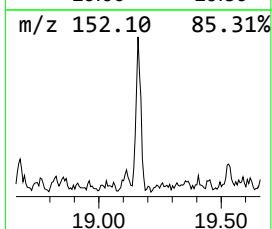
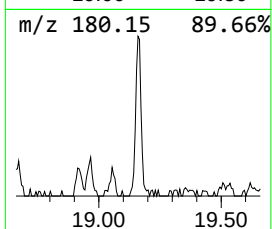
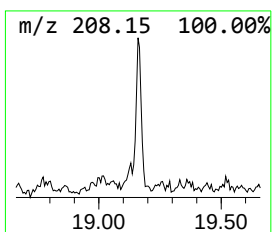
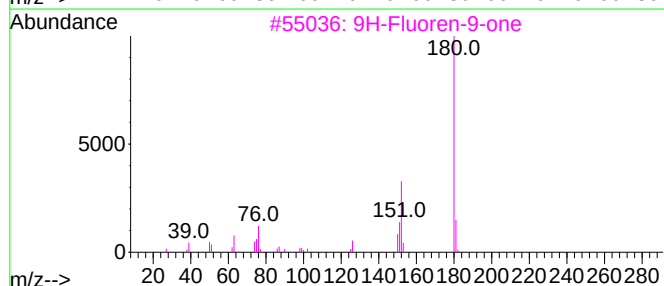
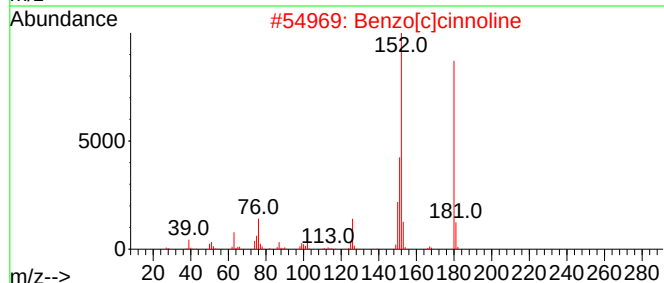
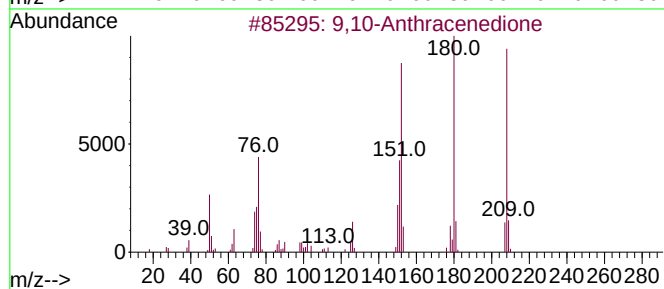
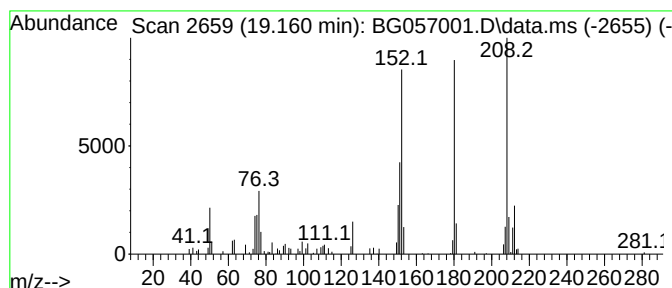
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.160	6.35 ng	84336	Phenanthrene-d10	17.768

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
4			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53
5			1,4-Anthracenedione	208	C14H8O2	000635-12-1	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057001.D
Acq On : 5 Apr 2023 22:04
Operator : CG/JU
Sample : 02126-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RS-F

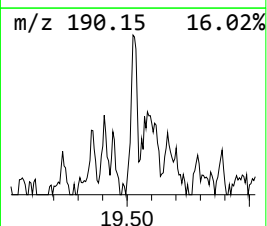
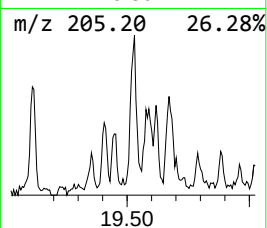
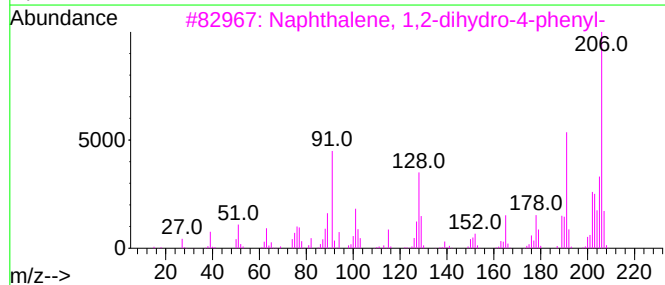
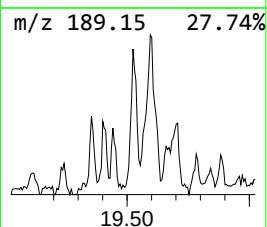
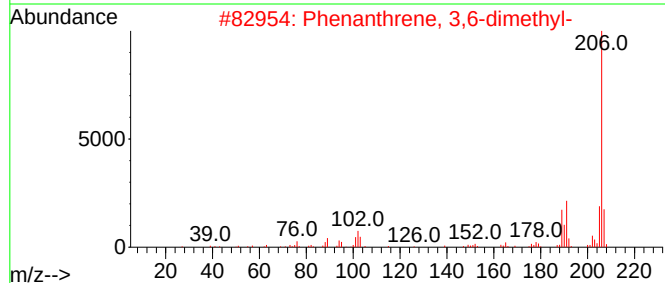
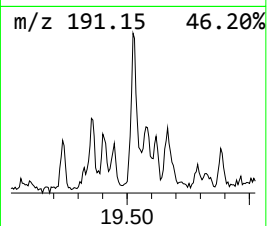
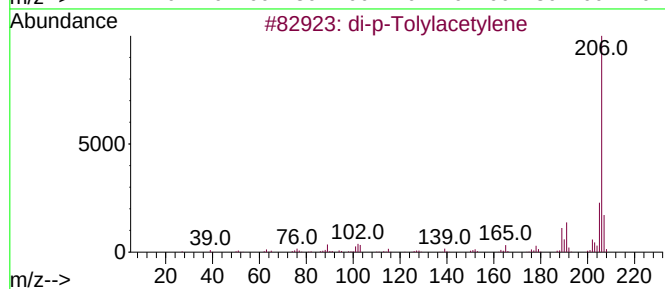
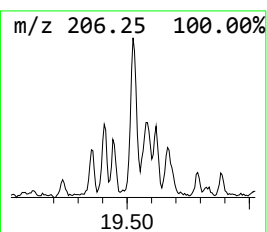
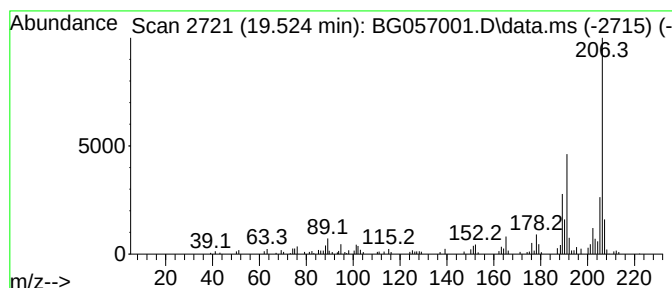
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 di-p-Tolylacetylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.525	10.23 ng	135795	Phenanthrene-d10	17.768

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3			Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
4			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
5			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057001.D
Acq On : 5 Apr 2023 22:04
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Sample : 02126-06
Misc :
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Instrument :
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ClientSampleId :
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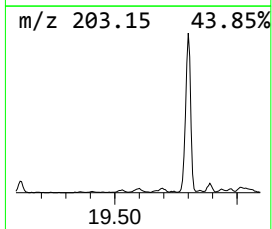
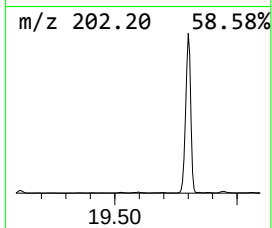
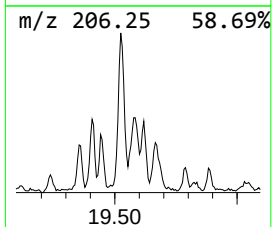
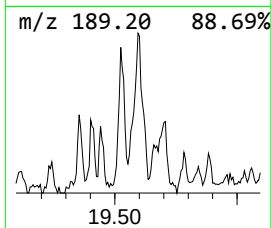
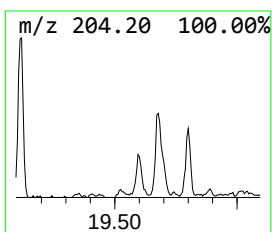
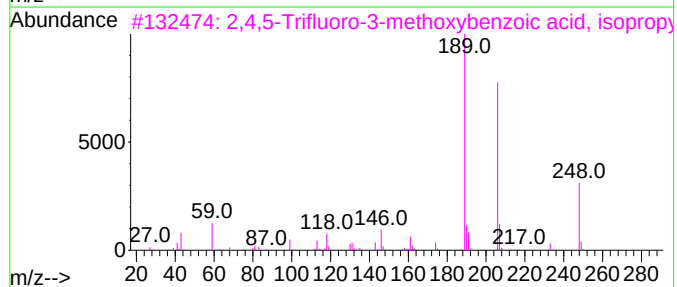
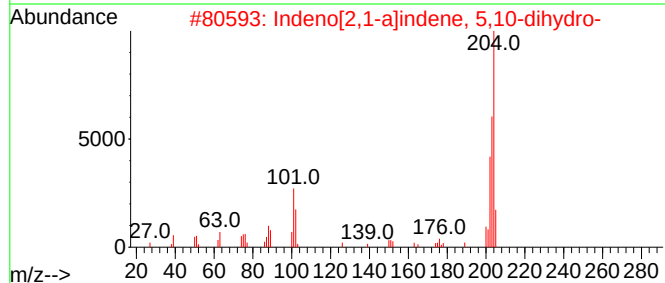
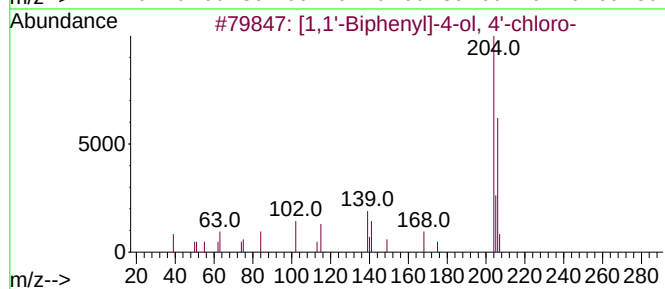
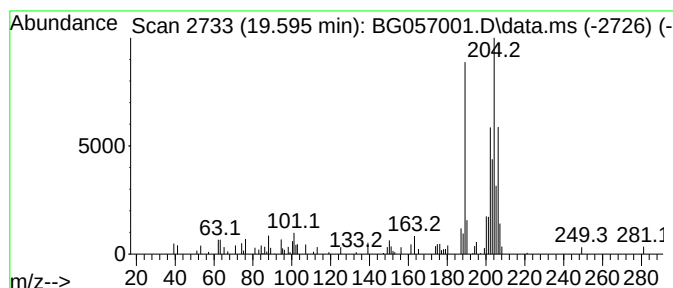
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 unknown19.595 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.595	4.54 ng	60275	Phenanthrene-d10	17.768

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38
2		Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	30
3		2,4,5-Trifluoro-3-methoxybenzoic...	248	C11H11F3O3	1000357-60-6	27
4		5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27
5		4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057001.D
Acq On : 5 Apr 2023 22:04
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Sample : 02126-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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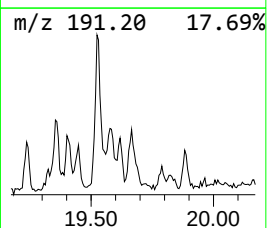
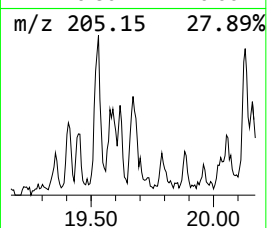
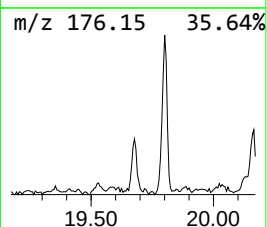
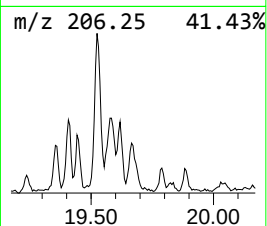
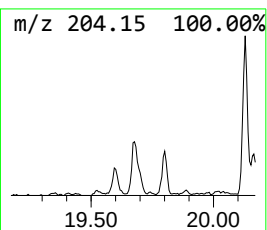
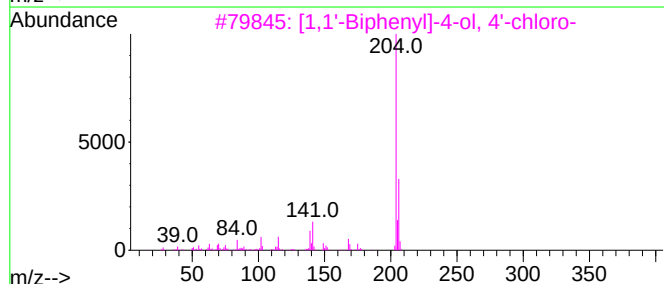
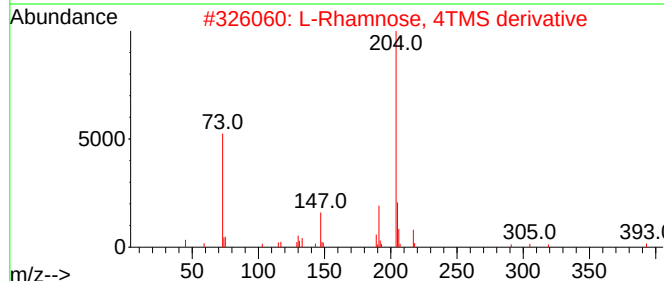
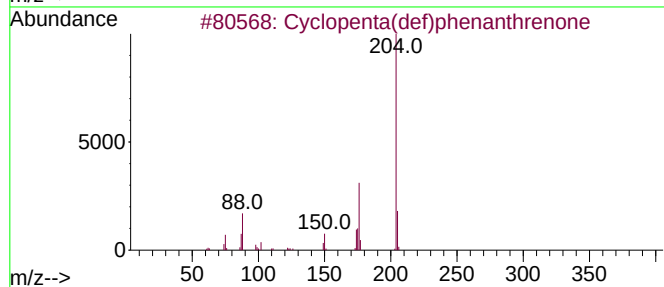
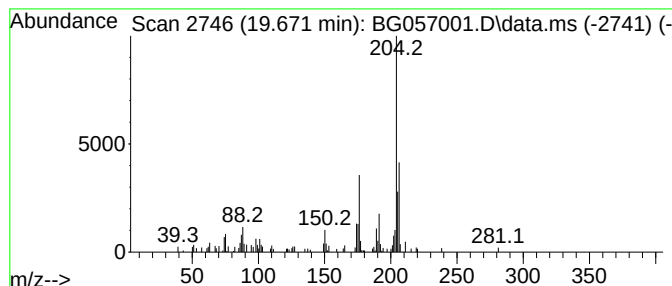
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.671	9.15 ng	121416	Phenanthrene-d10	17.768

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2		L-Rhamnose, 4TMS derivative	452	C18H44O5Si4	019127-15-2	47
3		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
4		2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	47
5		3-(4-Fluorophenoxy)phenol	204	C12H9FO2	025967-60-6	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057001.D
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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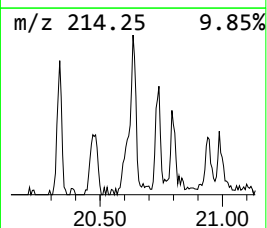
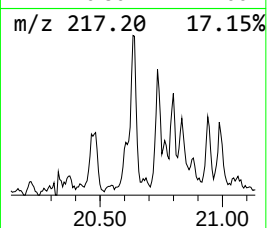
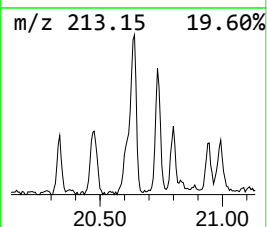
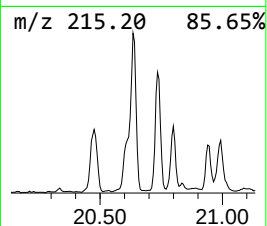
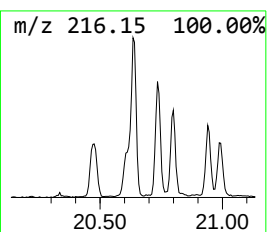
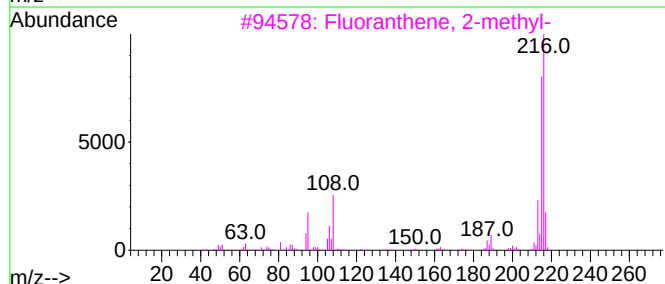
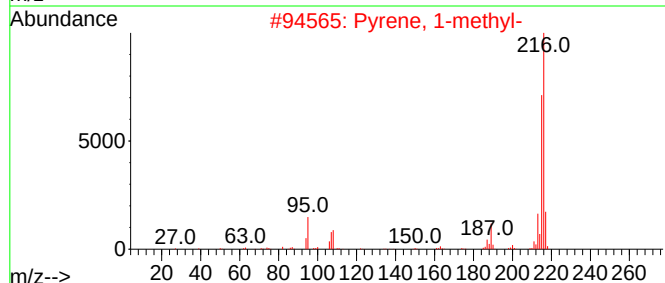
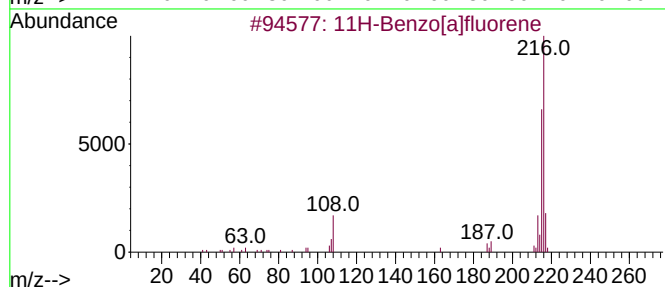
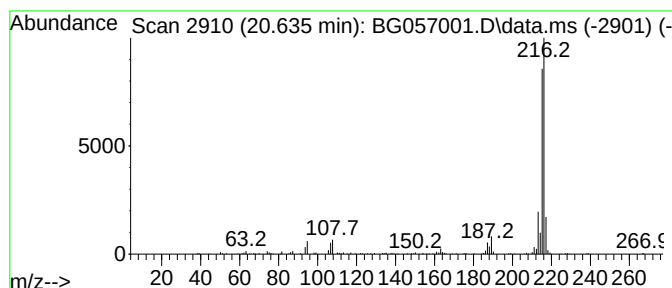
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.635	6.17 ng	396453	Chrysene-d12	22.092

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
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Acq On : 5 Apr 2023 22:04
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Sample : 02126-06
Misc :
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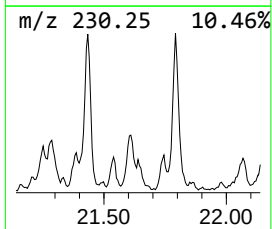
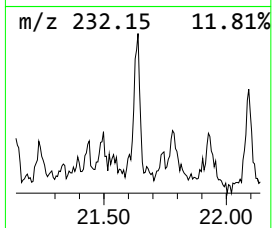
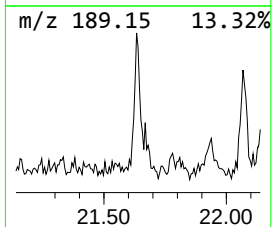
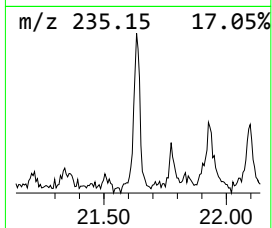
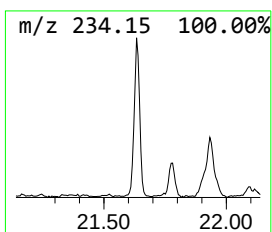
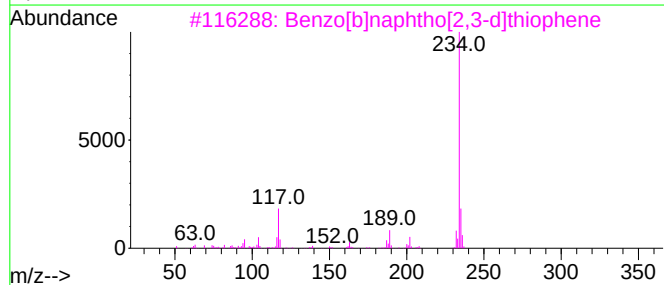
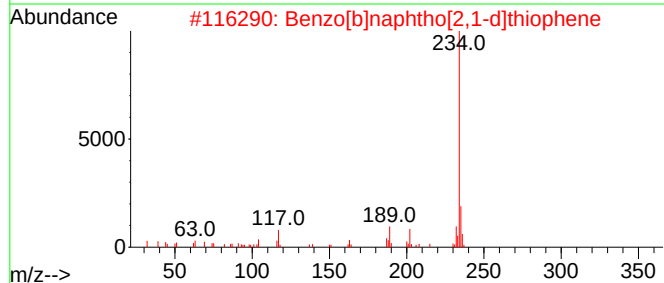
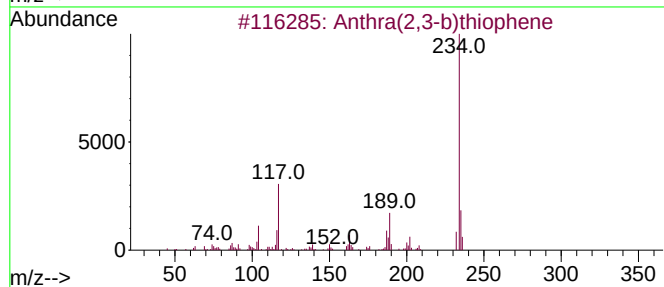
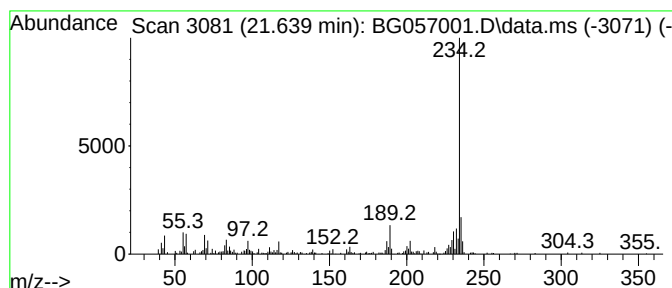
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Anthra(2,3-b)thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.639	4.62 ng	297024	Chrysene-d12	22.092	
Hit#	of 5	Tentative ID	MW MolForm	CAS#	Qual
1		Anthra(2,3-b)thiophene	234 C16H10S	022108-55-0	93
2		Benzo[b]naphtho[2,1-d]thiophene	234 C16H10S	000239-35-0	91
3		Benzo[b]naphtho[2,3-d]thiophene	234 C16H10S	000243-46-9	91
4		Benzo[b]naphtho[1,2-d]thiophene	234 C16H10S	000205-43-6	89
5		1-[3-Methoxy-4-(2,2,2-trifluoro...	291 C13H16F3NO3	1000501-69-6	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057001.D
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ClientSampleId :
RS-F

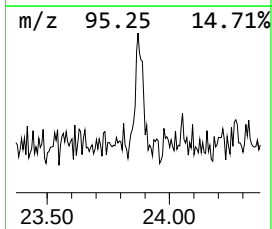
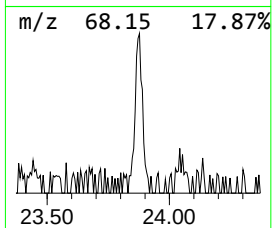
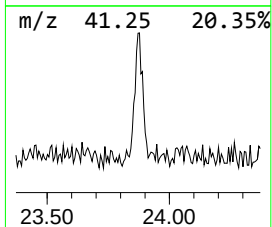
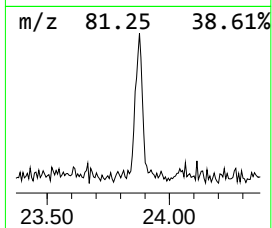
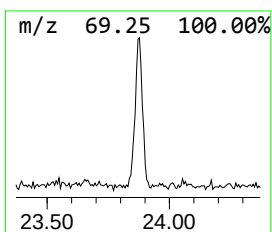
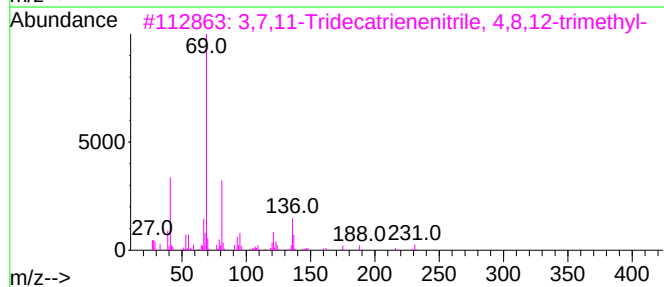
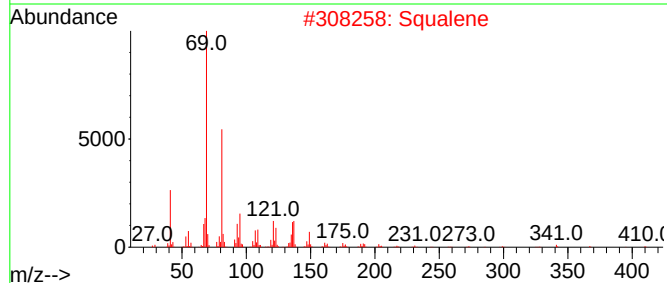
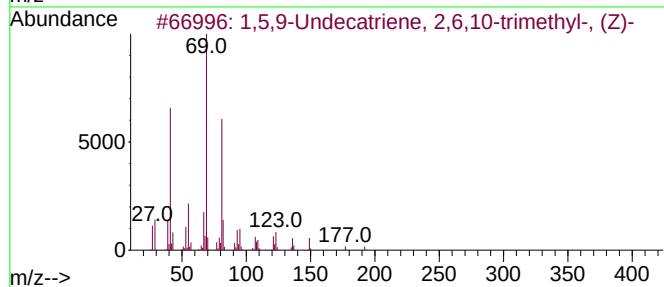
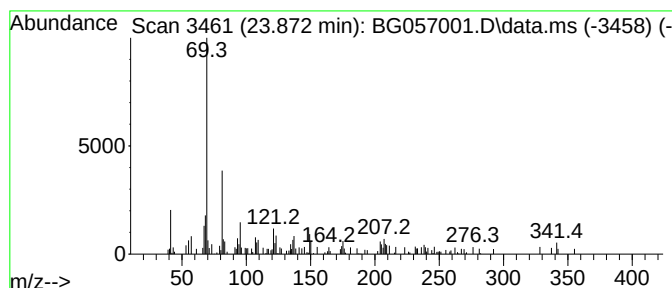
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 1,5,9-Undecatriene, 2,6,10-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.872	12.29 ng	132598	Perylene-d12	25.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24		062951-96-6	72
2	Squalene	410	C30H50		000111-02-4	64
3	3,7,11-Tridecatrienitrile, 4,8...	231	C16H25N		006006-01-5	59
4	Succinic acid, tridec-2-yn-1-yl ...	364	C22H36O4		1000391-07-7	53
5	Geranyl bromide	216	C10H17Br		006138-90-5	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057001.D
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Sample : 02126-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RS-F

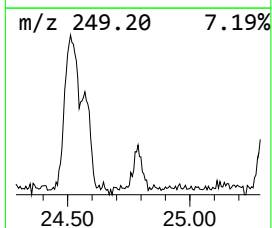
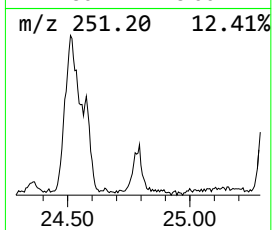
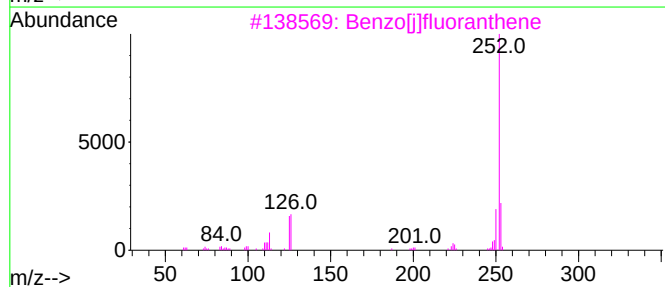
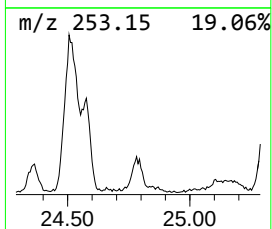
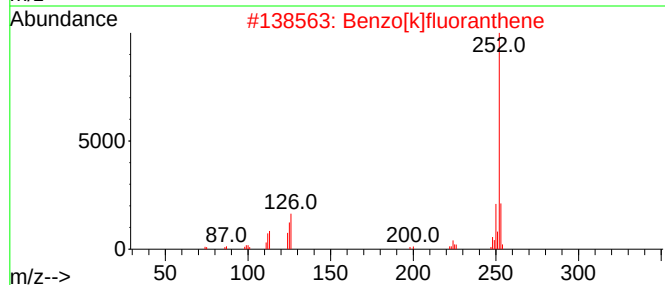
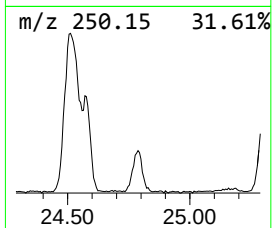
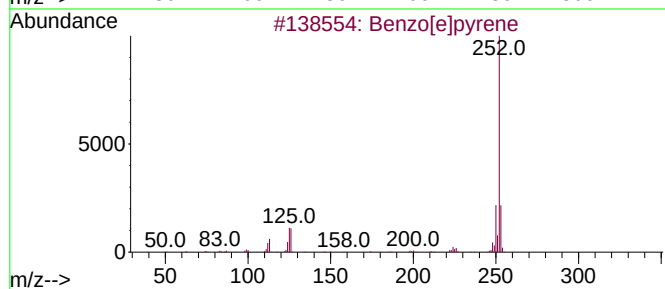
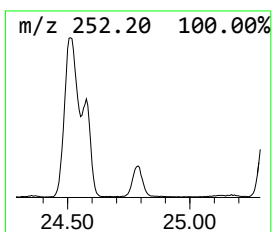
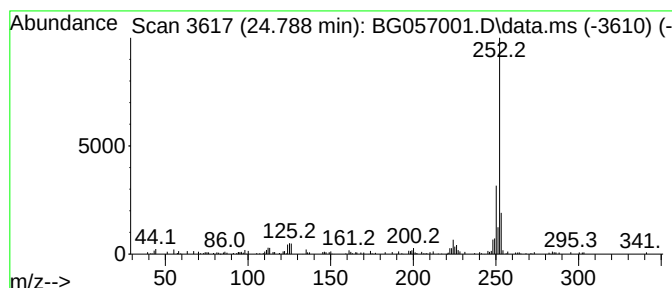
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.788	14.62 ng	157779	Perylene-d12	25.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	81
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
3			Benzo[j]fluoranthene	252	C20H12	000205-82-3	76
4			Perylene	252	C20H12	000198-55-0	74
5			Benzo[a]pyrene	252	C20H12	000050-32-8	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057001.D
Acq On : 5 Apr 2023 22:04
Operator : CG/JU
Sample : 02126-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RS-F

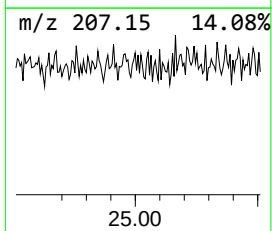
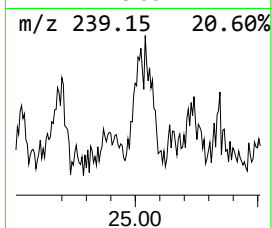
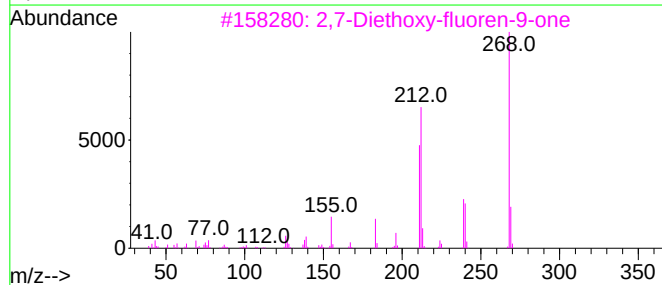
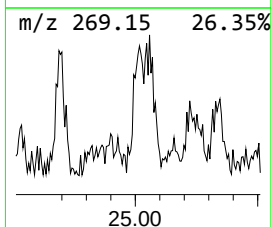
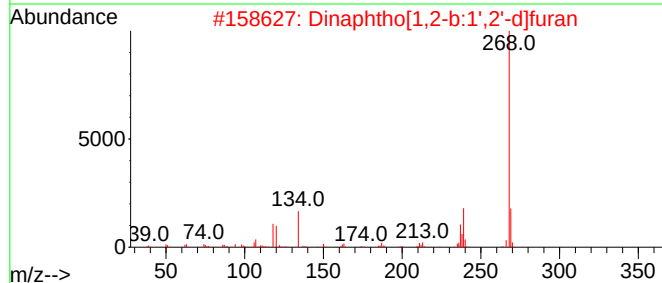
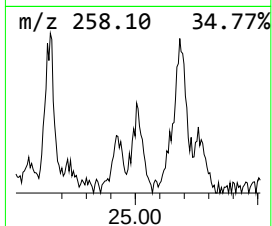
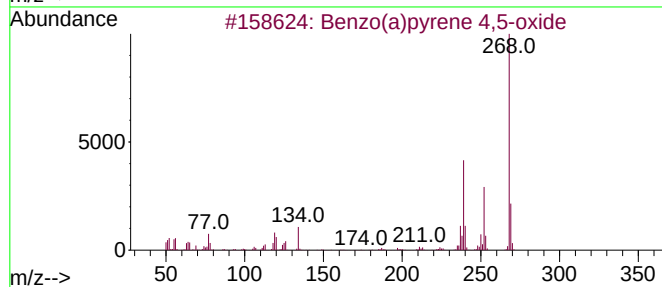
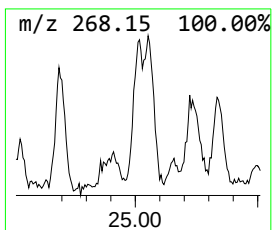
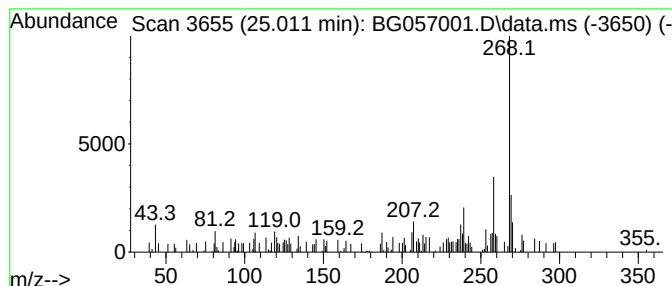
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benzo(a)pyrene 4,5-oxide Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.011	5.60 ng	60460	Perylene-d12	25.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	60
2			Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	58
3			2,7-Diethoxy-fluoren-9-one	268	C17H16O3	1000317-69-6	49
4			Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	49
5			Diethylstilbestrol	268	C18H20O2	000056-53-1	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057001.D
Acq On : 5 Apr 2023 22:04
Operator : CG/JU
Sample : 02126-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RS-F

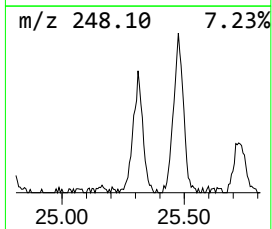
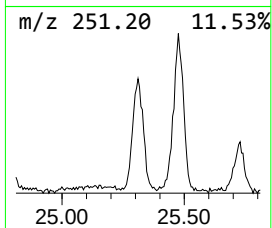
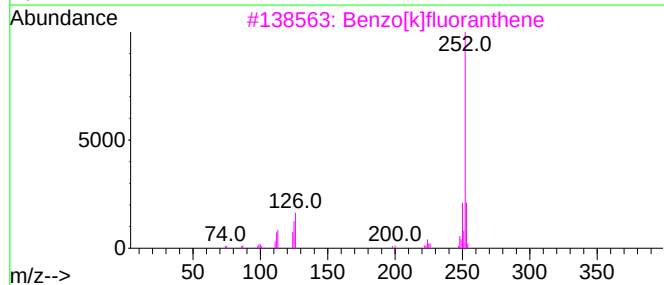
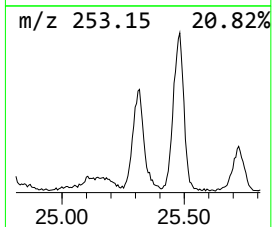
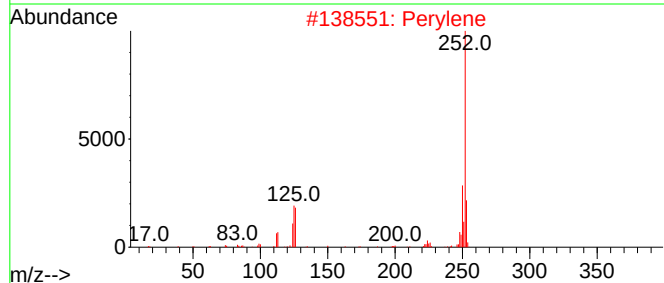
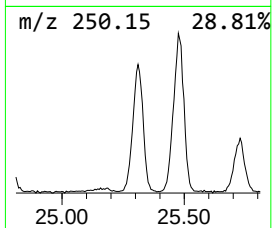
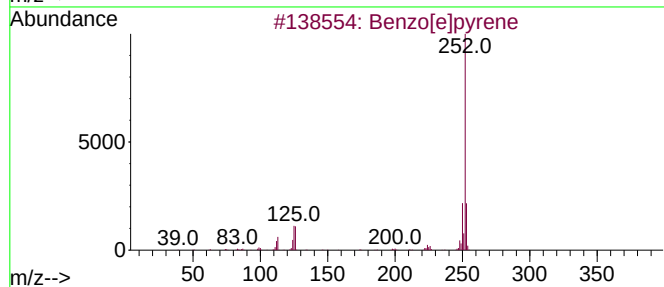
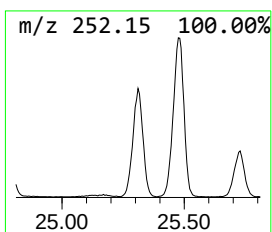
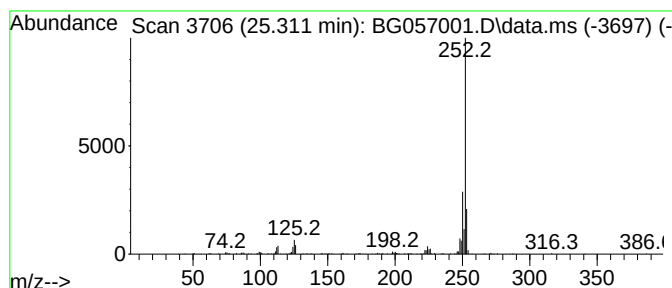
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.311	55.38 ng	597732	Perylene-d12	25.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	91
2		Perylene	252	C20H12	000198-55-0	90
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4		Benzo[j]fluoranthene	252	C20H12	000205-82-3	89
5		Benzo[b]fluoranthene	252	C20H12	000205-99-2	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057001.D
Acq On : 5 Apr 2023 22:04
Operator : CG/JU
Sample : 02126-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

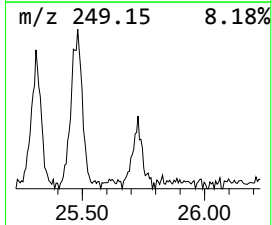
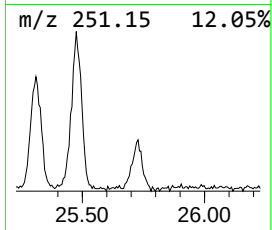
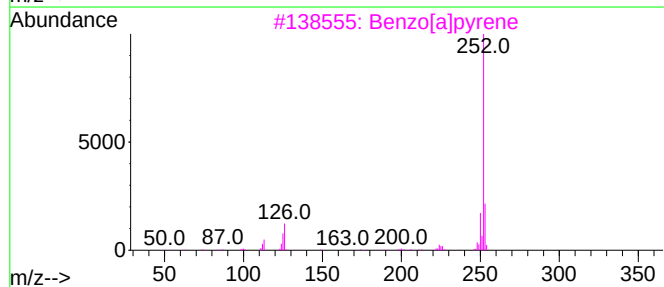
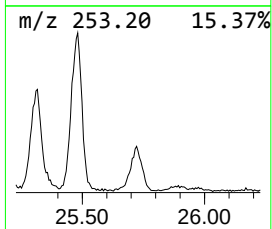
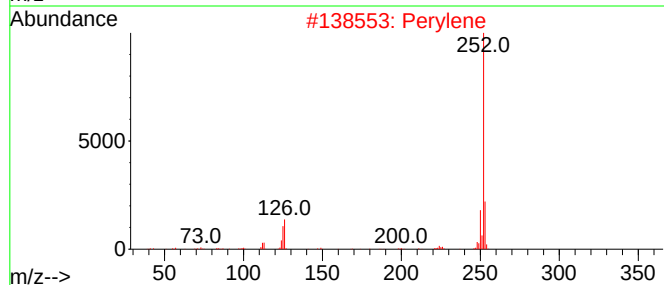
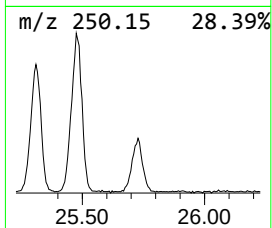
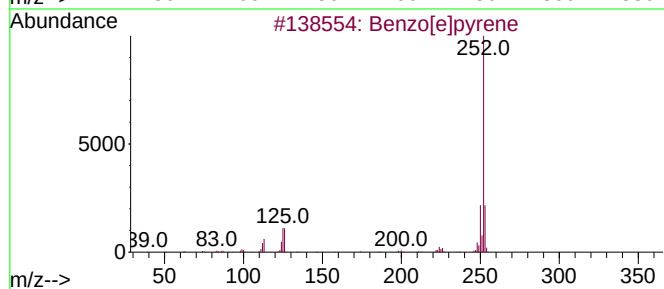
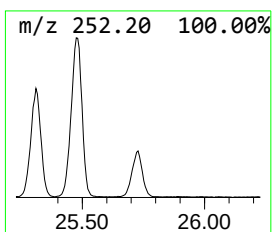
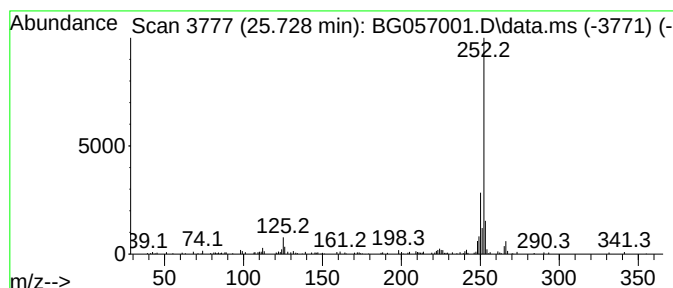
Instrument :
BNA_G
ClientSampleId :
RS-F

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 (1-Cyclopentenyl)ferrocene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
25.728	24.12 ng	260300	Perylene-d12	25.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	70
2	Perylene	252	C20H12	000198-55-0	70
3	Benzo[a]pyrene	252	C20H12	000050-32-8	64
4	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	64
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057001.D
Acq On : 5 Apr 2023 22:04
Operator : CG/JU
Sample : 02126-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RS-F

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.444	36.3	ng	194861	1	8.410	107390	20.0
(+)-2-Bornanone	10.654	4.7	ng	37575	2	11.253	158476	20.0
Benzene, 1,2-(m...	12.669	108.1	ng	856520	2	11.253	158476	20.0
n-Hexadecanoic ...	18.602	5.7	ng	76076	4	17.768	265420	20.0
Phenanthrene, 3...	18.631	8.9	ng	117703	4	17.768	265420	20.0
Phenanthrene, 2...	18.679	14.0	ng	185766	4	17.768	265420	20.0
Phenanthrene, 1...	18.761	4.8	ng	63238	4	17.768	265420	20.0
4H-Cyclopenta[d...	18.831	23.1	ng	306007	4	17.768	265420	20.0
Naphthalene, 2-...	19.113	8.5	ng	112258	4	17.768	265420	20.0
9,10-Anthracene...	19.160	6.3	ng	84336	4	17.768	265420	20.0
di-p-Tolylacety...	19.525	10.2	ng	135795	4	17.768	265420	20.0
unknown19.595	19.595	4.5	ng	60275	4	17.768	265420	20.0
Cyclopenta(def)...	19.671	9.2	ng	121416	4	17.768	265420	20.0
11H-Benzo[a]flu...	20.635	6.2	ng	396453	5	22.092	1285530	20.0
Anthra(2,3-b)th...	21.639	4.6	ng	297024	5	22.092	1285530	20.0
1,5,9-Undecatri...	23.872	12.3	ng	132598	6	25.634	215852	20.0
Benzo[e]pyrene	24.788	14.6	ng	157779	6	25.634	215852	20.0
Benzo(a)pyrene ...	25.011	5.6	ng	60460	6	25.634	215852	20.0
Perylene	25.311	55.4	ng	597732	6	25.634	215852	20.0
(1-Cyclopentenyl...	25.728	24.1	ng	260300	6	25.634	215852	20.0