

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
 Data File : BG056541.D
 Acq On : 3 Feb 2023 16:31
 Operator : CG/JU
 Sample : 01403-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NPWAYNE-SOIL-0201

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-BG012723.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056541.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.309	338	344	354	rBB	117992	183382	4.57%	0.396%
2	5.797	419	427	439	rBV	471301	775939	19.33%	1.675%
3	7.425	695	704	715	rBV	466122	832847	20.75%	1.798%
4	8.271	842	848	857	rVB	130478	218059	5.43%	0.471%
5	9.446	1041	1048	1060	rBB	280964	519311	12.94%	1.121%
6	10.368	1197	1205	1215	rBV2	22028	54621	1.36%	0.118%
7	11.103	1323	1330	1336	rBV	168205	301979	7.52%	0.652%
8	13.518	1734	1741	1748	rVB	1050872	1590041	39.61%	3.433%
9	14.217	1852	1860	1865	rBV2	24167	44184	1.10%	0.095%
10	14.622	1920	1929	1940	rBV	150569	293171	7.30%	0.633%
11	14.892	1970	1975	1981	rVB	291804	444656	11.08%	0.960%
12	15.286	2033	2042	2047	rVB3	38748	72463	1.81%	0.156%
13	15.668	2099	2107	2110	rBV6	17862	41684	1.04%	0.090%
14	15.932	2146	2152	2164	rBV2	69438	132530	3.30%	0.286%
15	16.226	2196	2202	2210	rVB2	70807	126195	3.14%	0.272%
16	16.379	2221	2228	2234	rVB	730393	1135118	28.28%	2.451%
17	16.567	2254	2260	2275	rVB6	47565	125445	3.12%	0.271%
18	16.931	2311	2322	2327	rBV4	44174	105061	2.62%	0.227%
19	17.002	2327	2334	2344	rVV3	57047	131242	3.27%	0.283%
20	17.154	2353	2360	2362	rBV	52879	86717	2.16%	0.187%
21	17.290	2377	2383	2389	rBV2	43294	74323	1.85%	0.160%
22	17.348	2389	2393	2400	rBV2	40344	85241	2.12%	0.184%
23	17.454	2406	2411	2417	rVB	46968	75729	1.89%	0.163%
24	17.636	2435	2442	2445	rBV	353804	586879	14.62%	1.267%
25	17.677	2445	2449	2455	rVB	864567	1236497	30.80%	2.669%
26	17.765	2459	2464	2468	rBV	224718	345653	8.61%	0.746%
27	18.030	2504	2509	2524	rBV3	64832	205209	5.11%	0.443%
28	18.142	2524	2528	2534	rVV	43790	70245	1.75%	0.152%
29	18.212	2536	2540	2546	rVB5	31058	52964	1.32%	0.114%
30	18.488	2581	2587	2593	rVV2	205154	512352	12.76%	1.106%
31	18.553	2593	2598	2603	rVB	240174	358136	8.92%	0.773%
32	18.629	2607	2611	2616	rVV	98615	139850	3.48%	0.302%
33	18.700	2616	2623	2627	rVV3	235636	497160	12.38%	1.073%
34	18.776	2631	2636	2644	rVB	603105	981987	24.46%	2.120%
35	18.988	2668	2672	2676	rBV	144050	194428	4.84%	0.420%
36	19.040	2677	2681	2687	rVB2	90712	137966	3.44%	0.298%

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37	19.228	2710	2713	2718	rBV2	45629	52293	1.30%	0.113%
38	19.281	2718	2722	2726	rBV	72320	89624	2.23%	0.193%
39	19.322	2726	2729	2733	rVB	66810	86841	2.16%	0.187%
40	19.399	2737	2742	2747	rBV	157123	305220	7.60%	0.659%
41	19.552	2763	2768	2773	rBV2	184078	299890	7.47%	0.647%
42	19.675	2782	2789	2794	rVB	2807717	4014540	100.00%	8.667%
43	19.734	2794	2799	2801	rBV4	72745	123277	3.07%	0.266%
44	19.822	2809	2814	2818	rBV	173115	269717	6.72%	0.582%
45	19.916	2826	2830	2838	rVB2	98122	232525	5.79%	0.502%
46	19.992	2838	2843	2846	rBV	379584	593572	14.79%	1.281%
47	20.033	2846	2850	2856	rVV	2330531	3459144	86.17%	7.468%
48	20.092	2856	2860	2866	rVB	164537	259217	6.46%	0.560%
49	20.210	2874	2880	2885	rBV	1745243	2296733	57.21%	4.958%
50	20.357	2897	2905	2910	rBV2	255443	603692	15.04%	1.303%
51	20.480	2920	2926	2928	rBV5	225623	420709	10.48%	0.908%
52	20.509	2929	2931	2937	rVB	370482	496269	12.36%	1.071%
53	20.615	2944	2949	2952	rBV	197813	288134	7.18%	0.622%
54	20.674	2952	2959	2962	rVB2	259573	501622	12.50%	1.083%
55	20.744	2968	2971	2978	rVB3	68544	93307	2.32%	0.201%
56	20.815	2979	2983	2986	rVV	190090	262249	6.53%	0.566%
57	20.862	2988	2991	3001	rVB3	180168	319482	7.96%	0.690%
58	20.944	3002	3005	3008	rBV5	60262	87725	2.19%	0.189%
59	21.297	3060	3065	3071	rBV	407145	616352	15.35%	1.331%
60	21.485	3091	3097	3102	rBV2	292759	747963	18.63%	1.615%
61	21.585	3109	3114	3119	rBV2	283881	489418	12.19%	1.057%
62	21.643	3120	3124	3135	rVB2	310309	622636	15.51%	1.344%
63	21.914	3163	3170	3177	rBV3	1454765	3423392	85.27%	7.391%
64	21.978	3177	3181	3193	rVB	1174836	2251846	56.09%	4.861%
65	22.143	3205	3209	3214	rBV3	96521	184029	4.58%	0.397%
66	22.207	3216	3220	3226	rVV3	164268	308393	7.68%	0.666%
67	22.354	3241	3245	3252	rVB2	176240	334431	8.33%	0.722%
68	22.695	3300	3303	3309	rVB	253559	424959	10.59%	0.917%
69	24.281	3562	3573	3580	rBV2	1064655	3840457	95.66%	8.291%
70	24.540	3611	3617	3629	rVB	223385	555642	13.84%	1.200%
71	25.045	3695	3703	3716	rVB	516517	1608910	40.08%	3.473%
72	25.204	3720	3730	3741	rVB	668730	1962244	48.88%	4.236%
73	25.362	3751	3757	3764	rVV	146622	393502	9.80%	0.850%
74	25.445	3767	3771	3785	rVB4	196997	631814	15.74%	1.364%

Sum of corrected areas: 46321034

Instrument :

BNA_G

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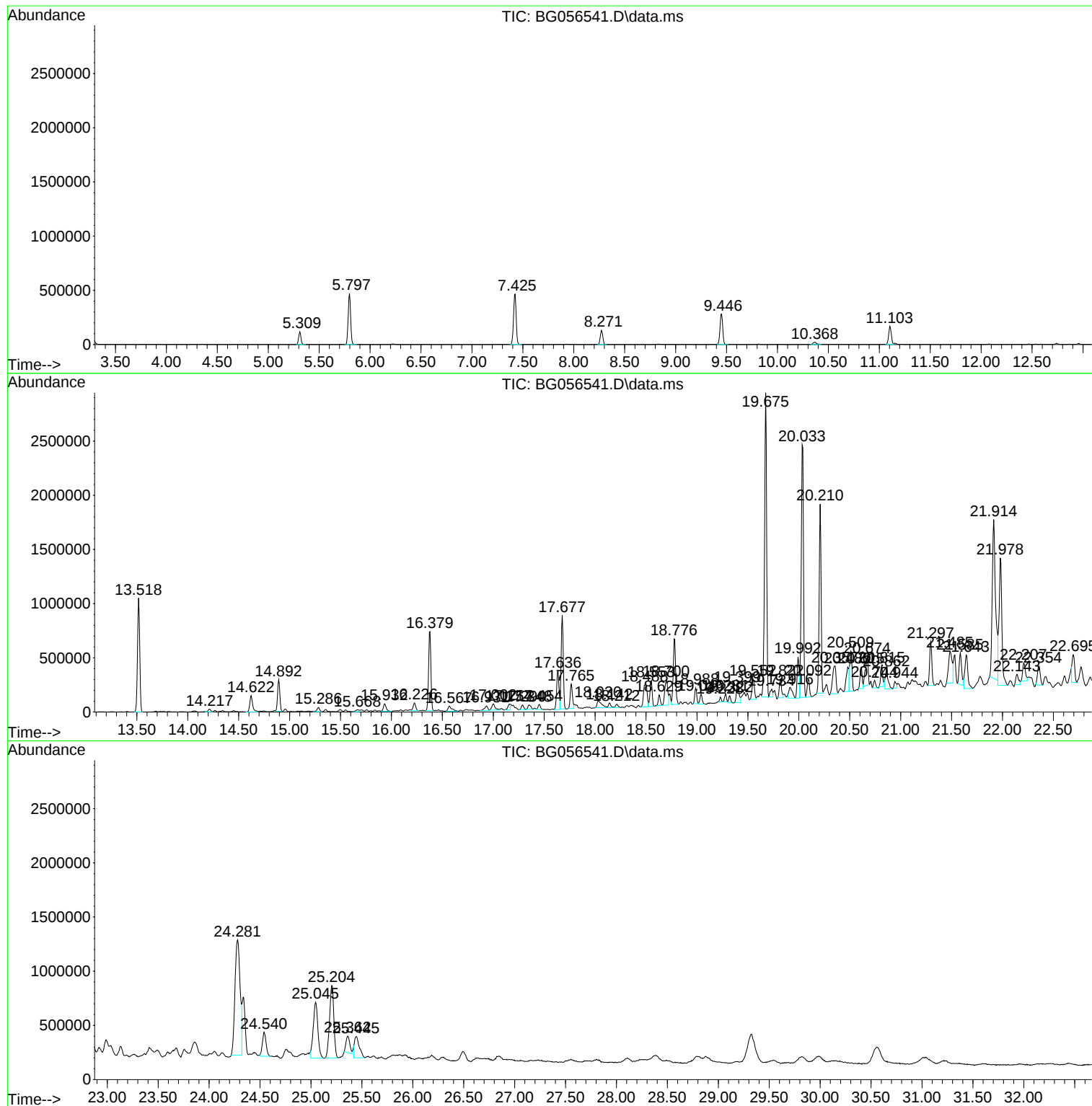
NPWAYNE-SOIL-0201

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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.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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Operator : CG/JU
Sample : 01403-01
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Instrument :
BNA_G
ClientSampleId :
NPWAYNE-SOIL-0201

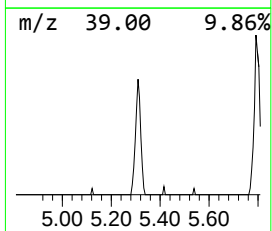
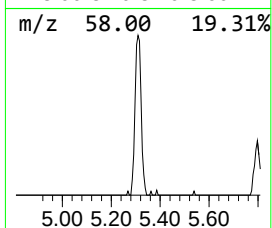
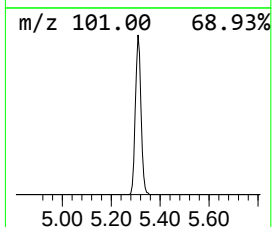
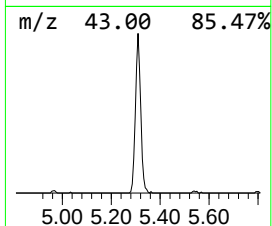
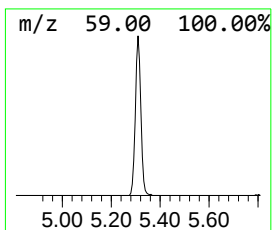
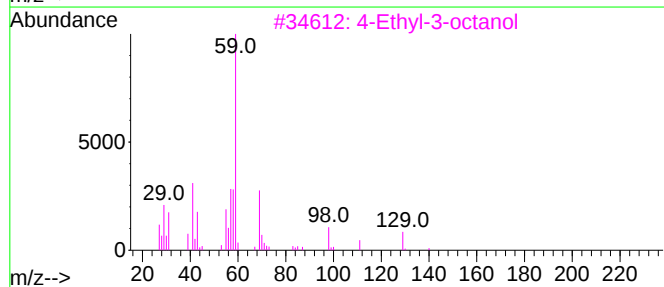
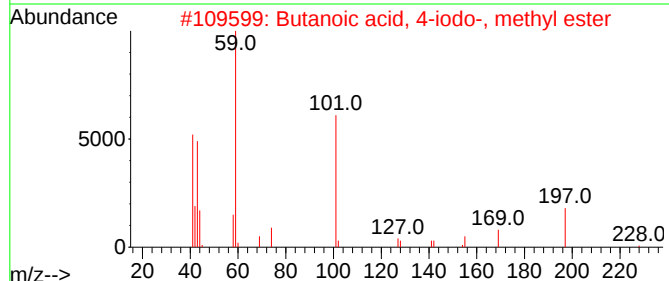
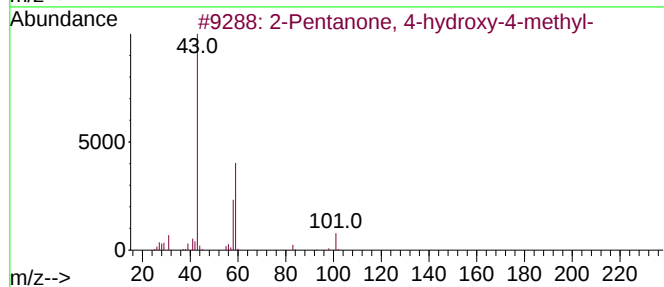
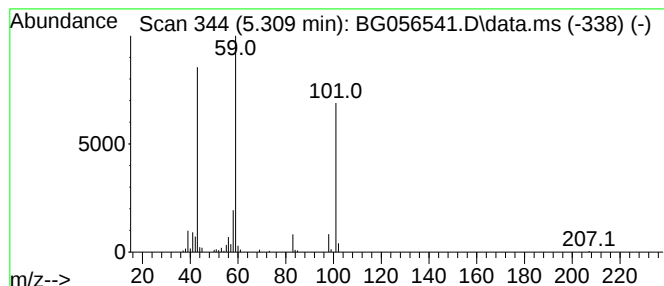
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.309	16.82 ng	183382	1,4-Dichlorobenzene-d4	8.271

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50		
2	Butanoic acid, 4-iodo-, methyl e...	228	C5H9IO2	014273-85-9	40		
3	4-Ethyl-3-octanol	158	C10H22O	019781-26-1	37		
4	Guanidine	59	CH5N3	000113-00-8	37		
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	35		



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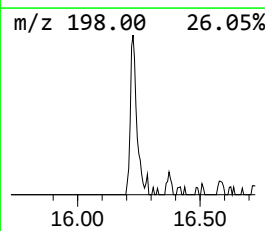
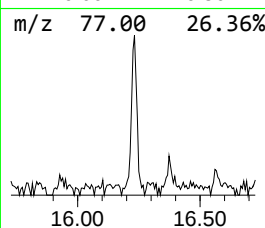
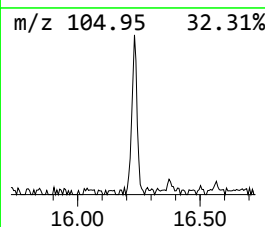
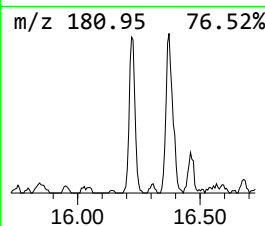
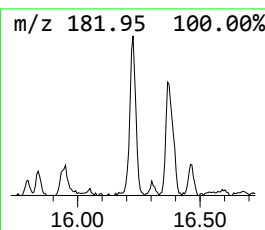
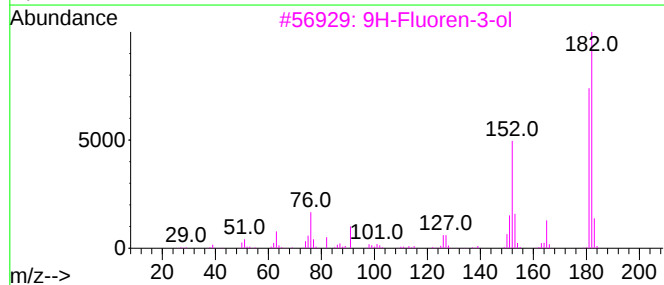
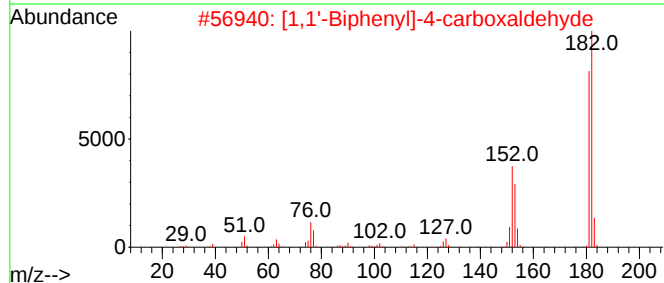
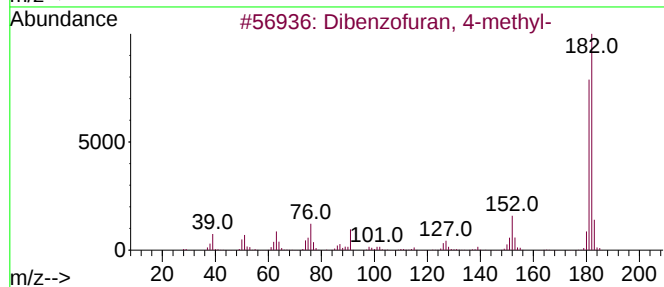
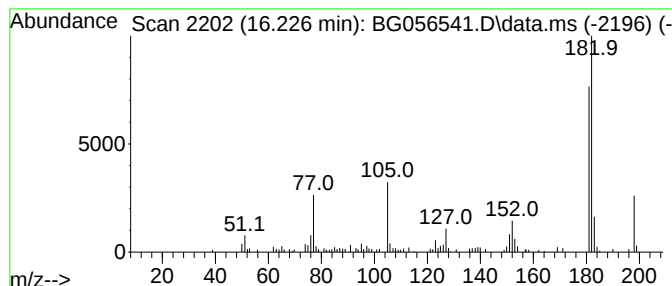
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.226	5.68 ng	126195	Acenaphthene-d10	14.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	70
2			[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	62
3			9H-Fluoren-3-ol	182	C13H10O	006344-67-8	53
4			Norharmine, N-methyl-	182	C12H10N2	1010374-78-6	53
5			8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	53



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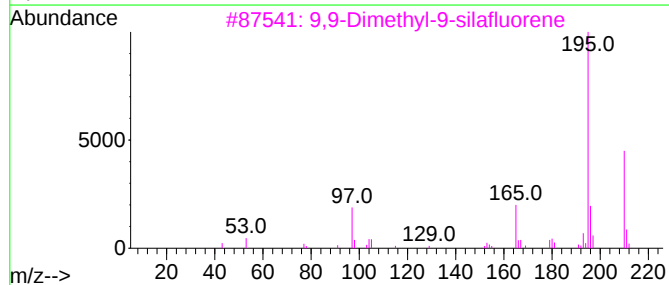
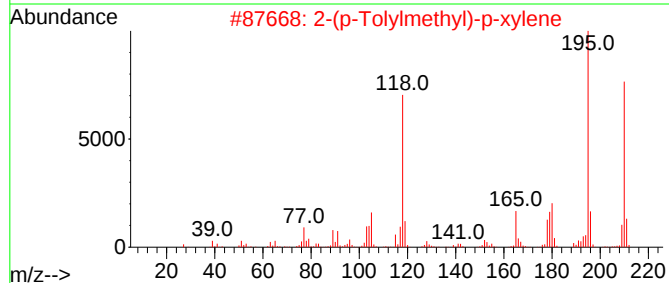
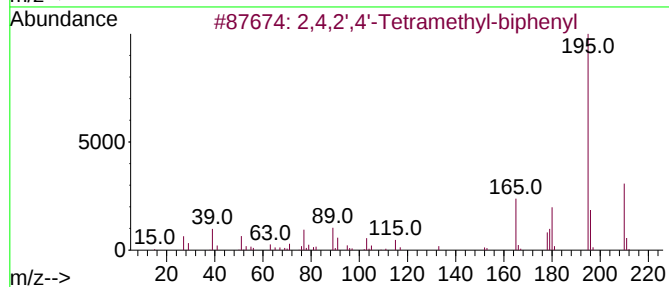
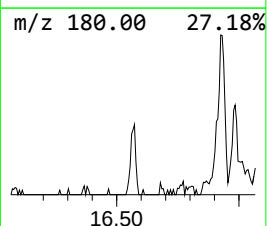
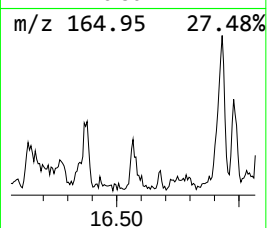
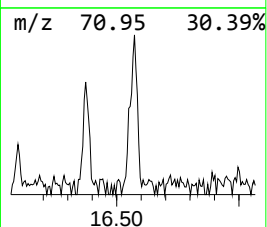
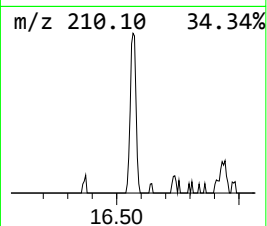
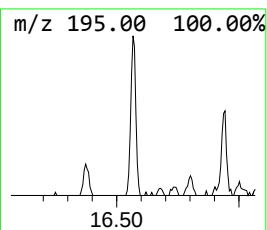
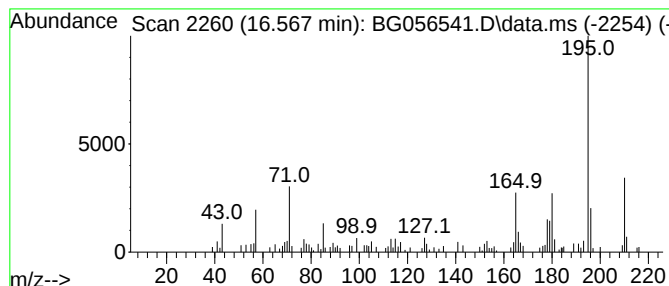
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TIC Library : C:\Database\NIST20.L
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Peak Number 3 2,4,2',4'-Tetramethyl-biphenyl Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.567	4.27 ng	125445	Phenanthrene-d10	17.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,2',4'-Tetramethyl-biphenyl	210	C16H18	1000486-97-7	90		
2	2-(p-Tolylmethyl)-p-xylene	210	C16H18	000721-45-9	72		
3	9,9-Dimethyl-9-silafluorene	210	C14H14Si	013688-68-1	64		
4	1,1'-Biphenyl, 2,2',5,5'-tetrame...	210	C16H18	003075-84-1	60		
5	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	58		



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

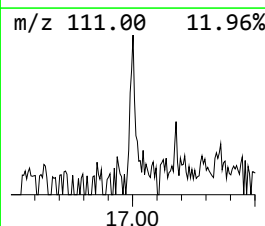
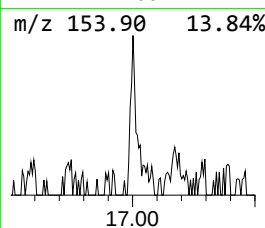
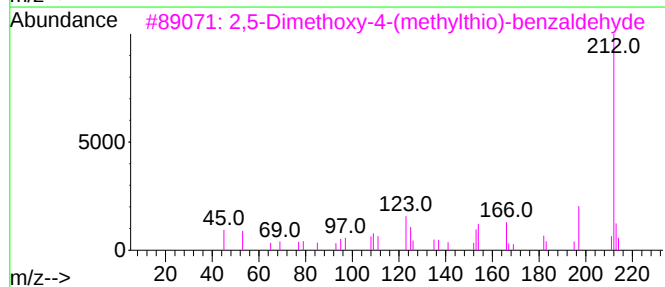
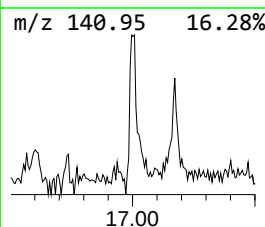
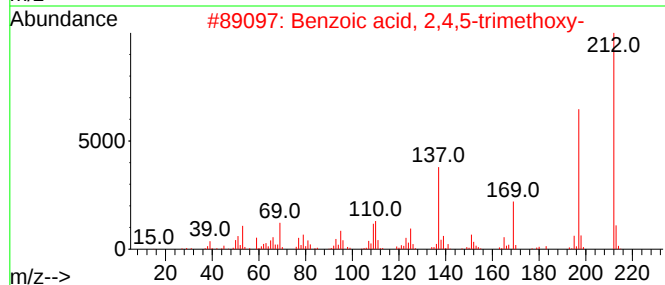
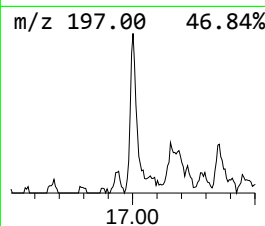
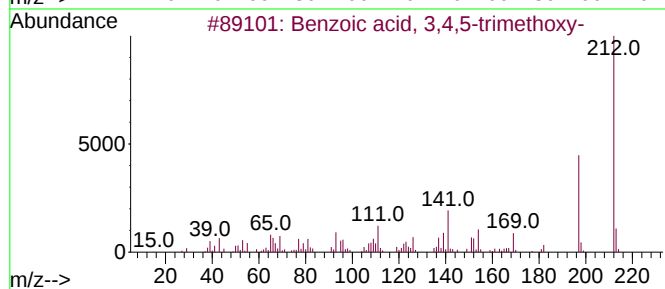
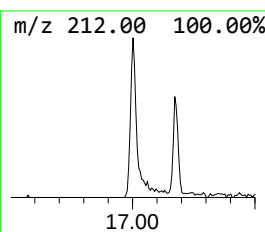
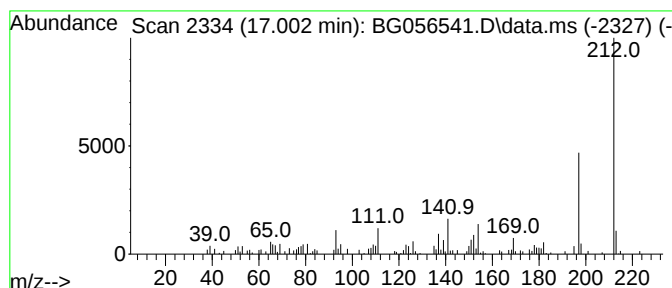
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzoic acid, 3,4,5-trimeth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.002	4.47 ng	131242	Phenanthrene-d10	17.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzoic acid, 3,4,5-trimethoxy-	212	C10H12O5	000118-41-2	95
2			Benzoic acid, 2,4,5-trimethoxy-	212	C10H12O5	000490-64-2	74
3			2,5-Dimethoxy-4-(methylthio)-ben...	212	C10H12O3S	061638-04-8	58
4			.beta.-Carboline, 8-methoxy-1-me...	212	C13H12N2O	212332-24-6	53
5			2,3,6-Trimethoxybenzoic acid	212	C10H12O5	060241-74-9	52



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Acq On : 3 Feb 2023 16:31
Operator : CG/JU
Sample : 01403-01
Misc :
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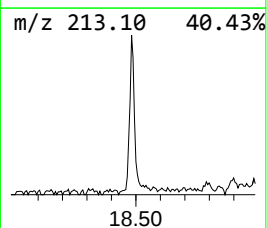
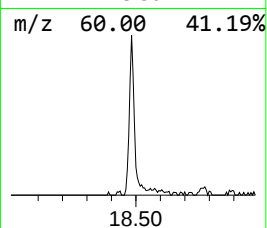
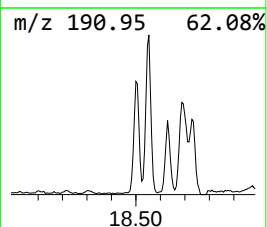
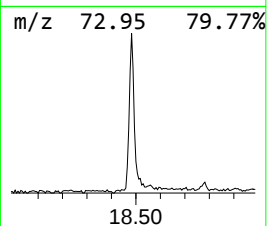
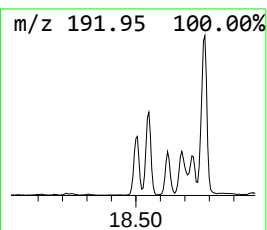
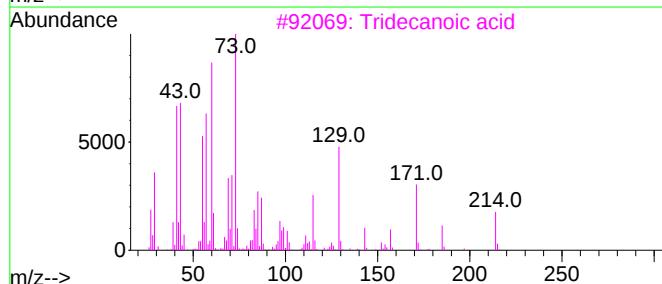
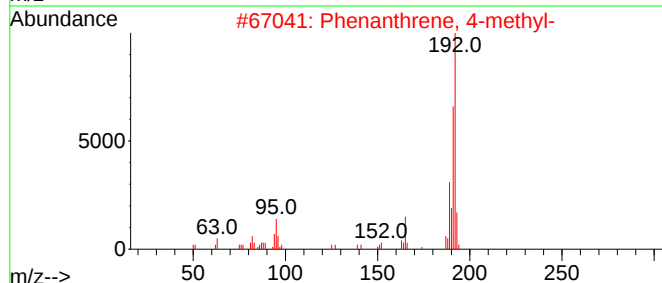
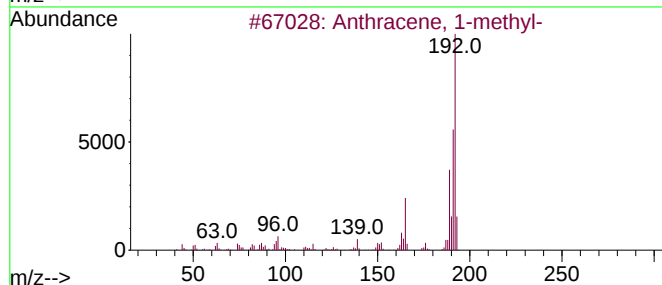
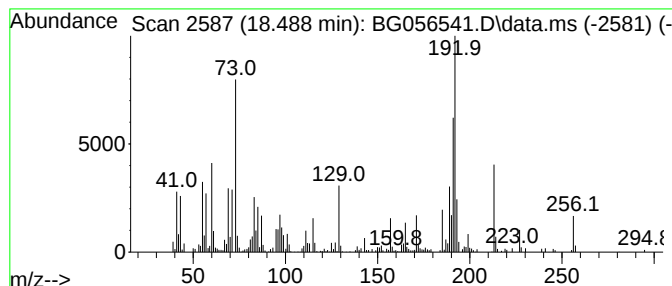
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
18.488	17.46 ng	512352	Phenanthrene-d10		17.630
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	84
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
3	Tridecanoic acid	214	C13H26O2	000638-53-9	68
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	55
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056541.D
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Operator : CG/JU
Sample : 01403-01
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Instrument :
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ClientSampleId :
NPWAYNE-SOIL-0201

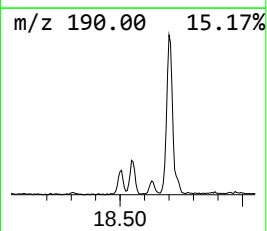
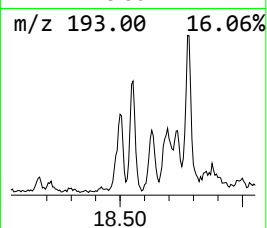
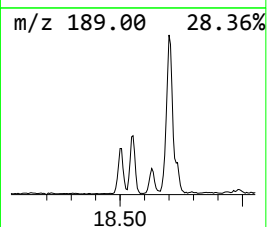
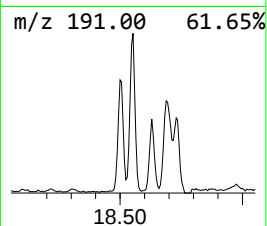
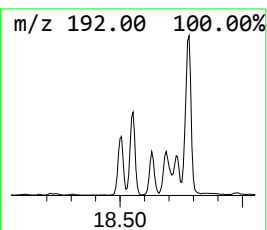
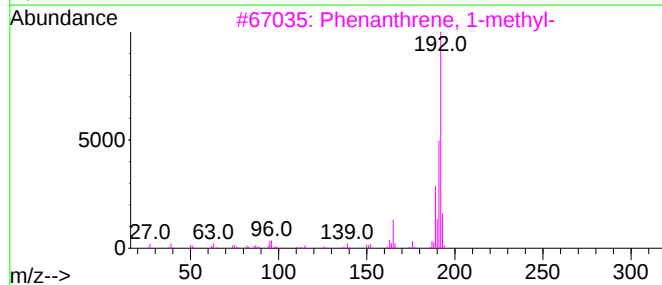
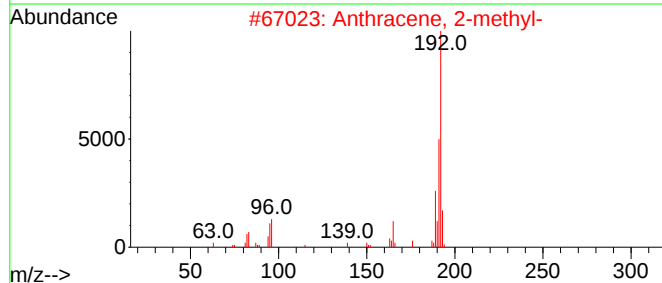
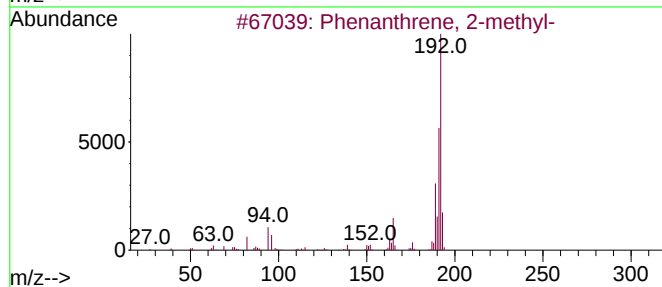
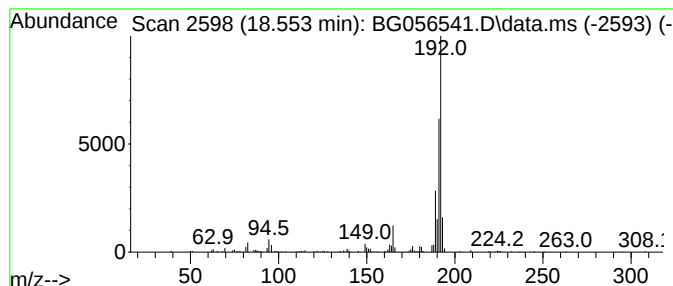
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.553	12.20 ng	358136	Phenanthrene-d10	17.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056541.D
Acq On : 3 Feb 2023 16:31
Operator : CG/JU
Sample : 01403-01
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Instrument :
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ClientSampleId :
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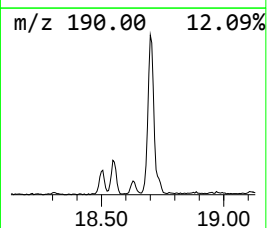
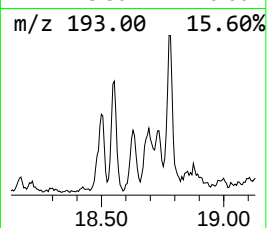
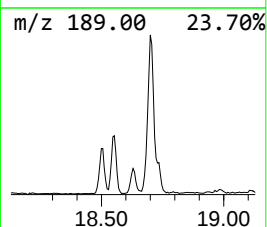
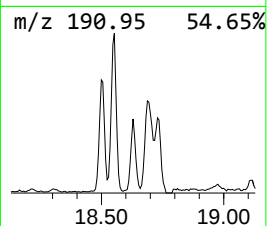
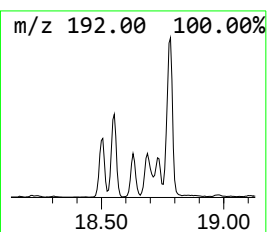
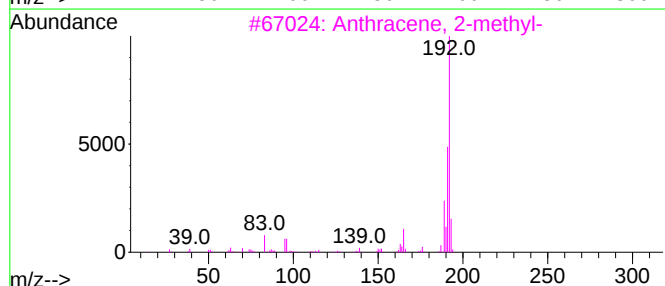
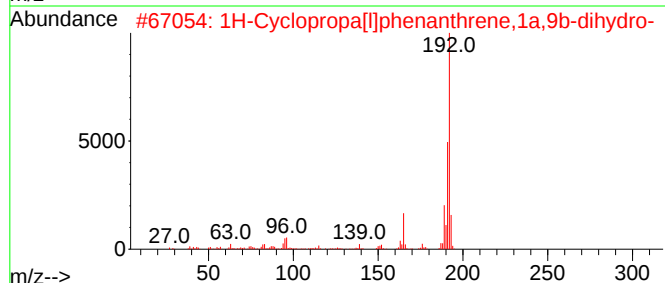
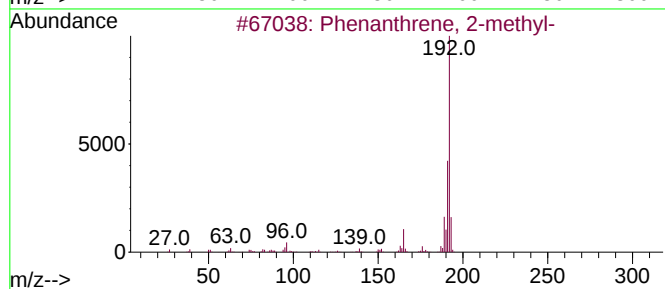
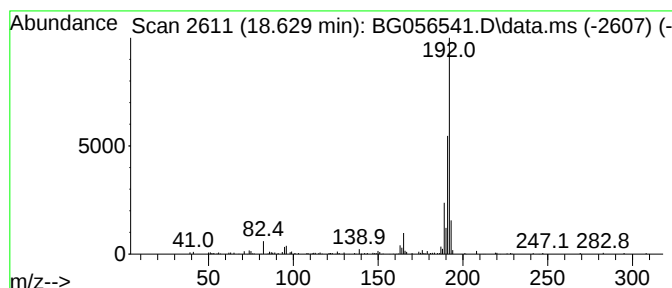
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.629	4.77 ng	139850	Phenanthrene-d10	17.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
5			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
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Sample : 01403-01
Misc :
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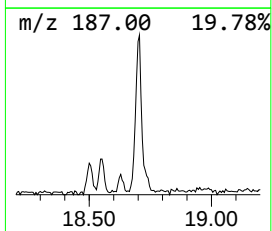
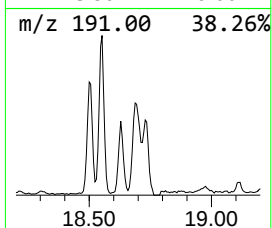
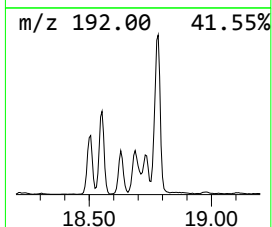
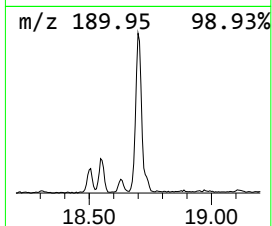
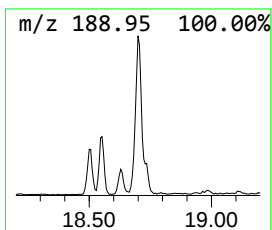
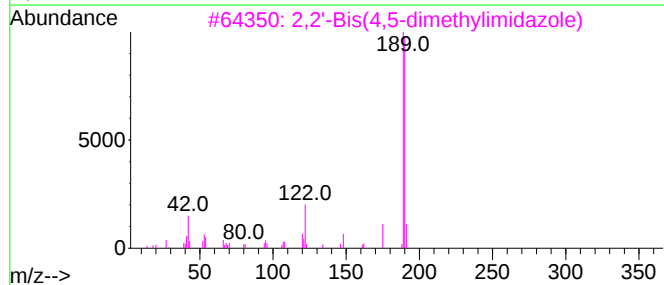
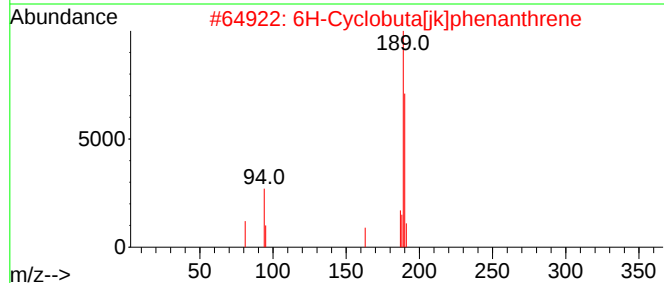
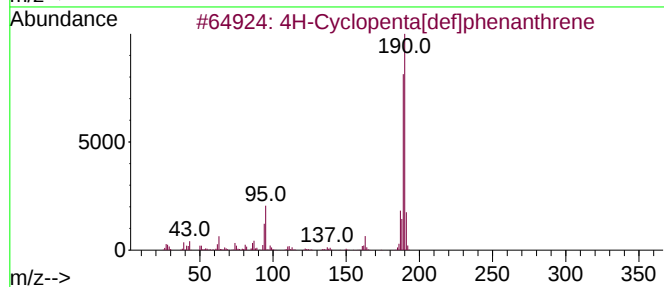
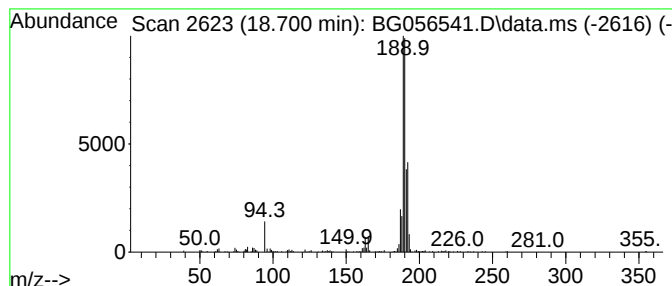
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.700	16.94 ng	497160	Phenanthrene-d10		17.630	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene		190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene		190	C15H10	083469-43-6	53
3	2,2'-Bis(4,5-dimethylimidazole)		190	C10H14N4	069286-06-2	37
4	Carbonic acid, ethyl 2-formyl-4,...		262	C10H8Cl2O4	1000331-34-4	25
5	Methyl 2-chloro-5-nitrothiophene...		221	C6H4ClNO4S	1000436-96-2	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056541.D
Acq On : 3 Feb 2023 16:31
Operator : CG/JU
Sample : 01403-01
Misc :
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Instrument :
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ClientSampleId :
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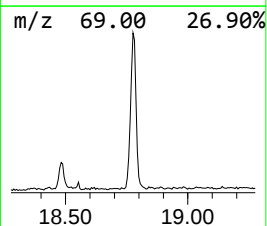
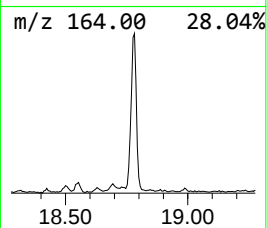
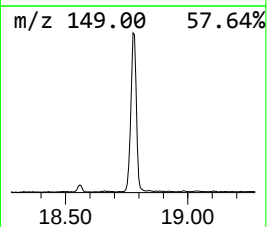
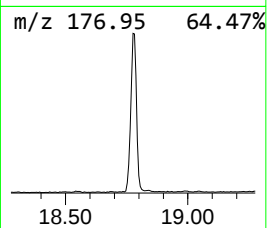
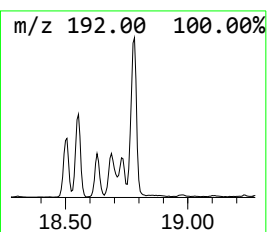
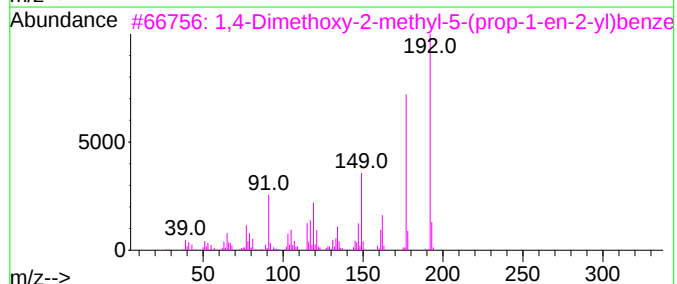
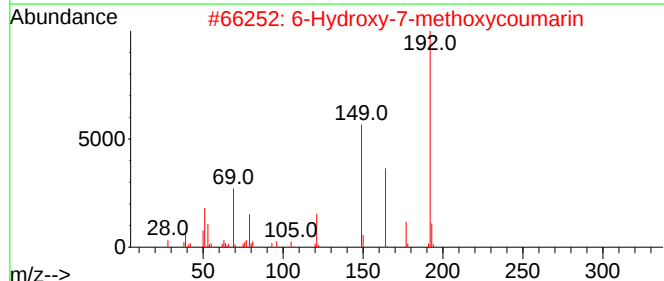
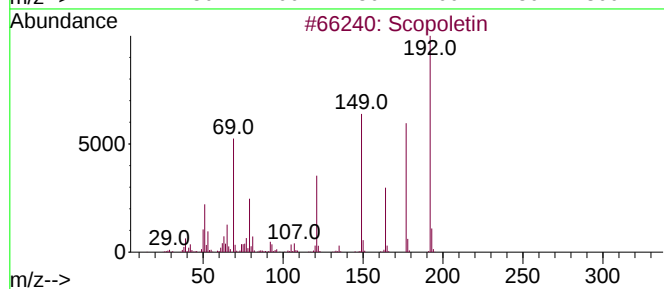
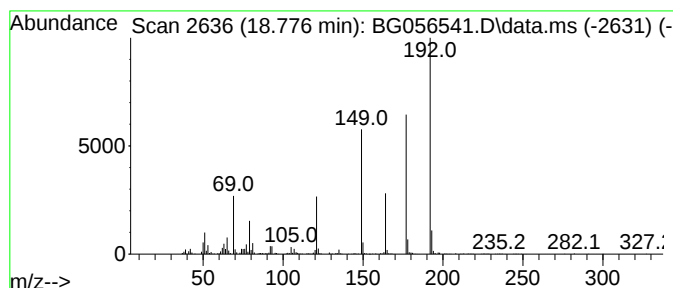
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Scopoletin Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.776	33.46 ng	981987	Phenanthrene-d10	17.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Scopoletin	192	C10H8O4	000092-61-5	97
2			6-Hydroxy-7-methoxycoumarin	192	C10H8O4	1000426-42-4	83
3			1,4-Dimethoxy-2-methyl-5-(prop-1...	192	C12H16O2	039701-09-2	59
4			Scopoletin, O-acetyl-	234	C12H10O5	056795-51-8	53
5			3-(4-Methoxyphenyl)-4H-1,2,4-oxa...	192	C9H8N2O3	059812-04-3	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
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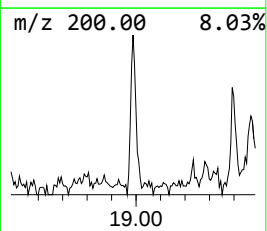
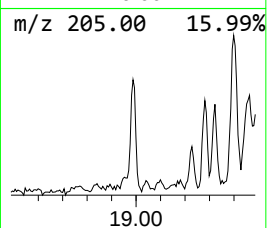
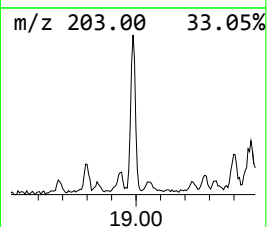
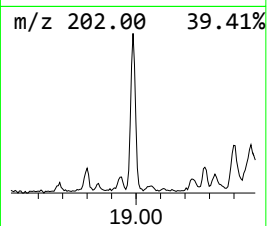
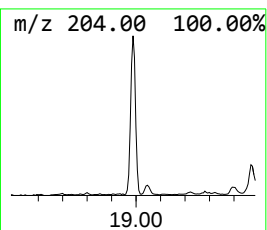
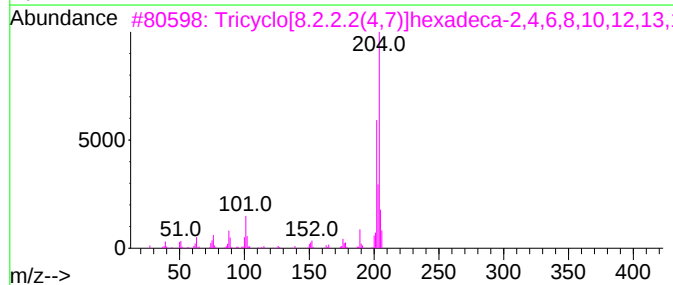
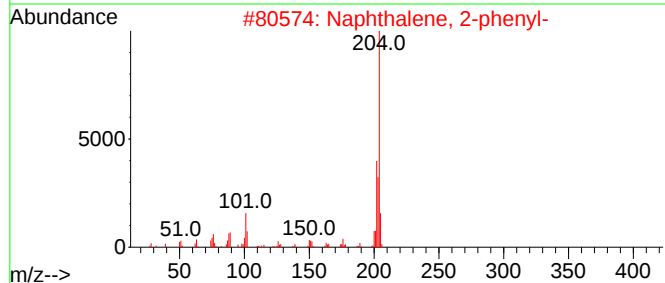
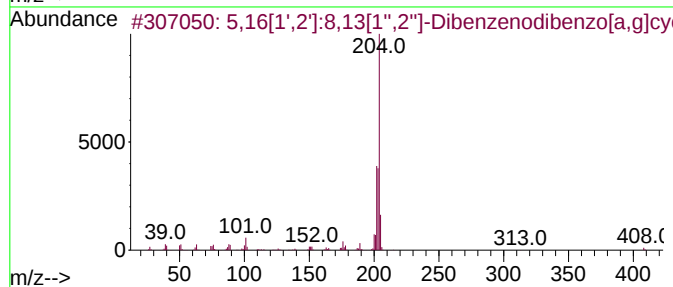
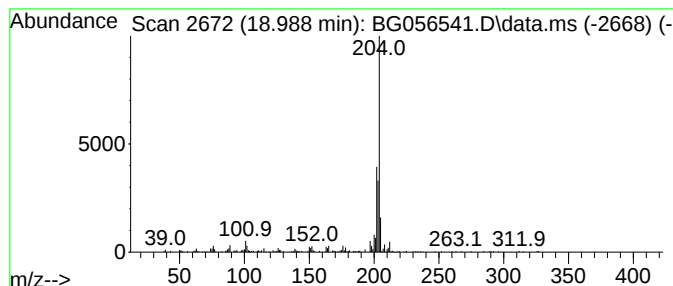
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.988	6.63 ng	194428	Phenanthrene-d10		17.630	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...		408	C32H24	005672-97-9	78
2	Naphthalene, 2-phenyl-		204	C16H12	000612-94-2	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...		204	C16H12	006572-60-7	58
4	6-Phenylbenzocyclohepten-7-one		232	C17H12O	093327-56-1	56
5	9,10-Bis(bromomethyl)anthracene		362	C16H12Br2	034373-96-1	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056541.D
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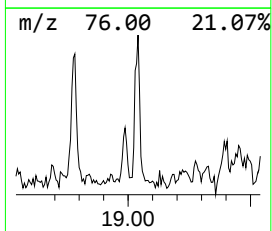
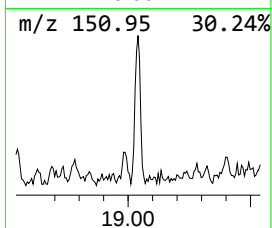
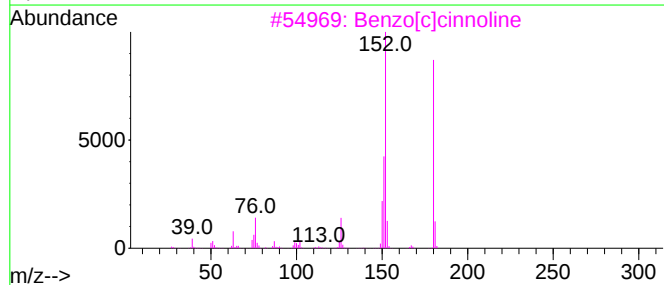
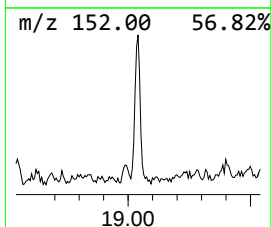
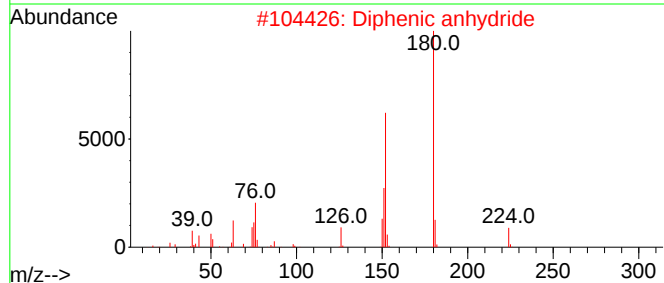
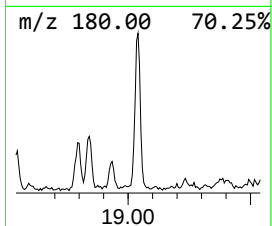
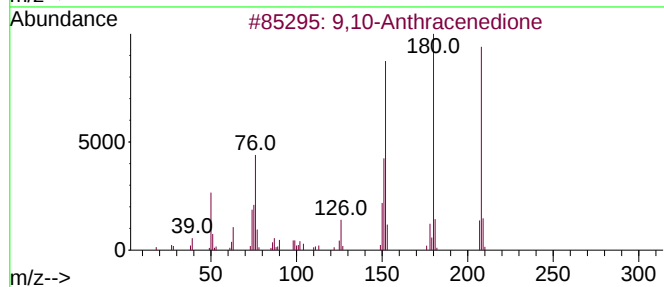
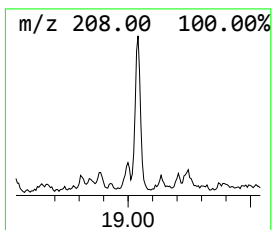
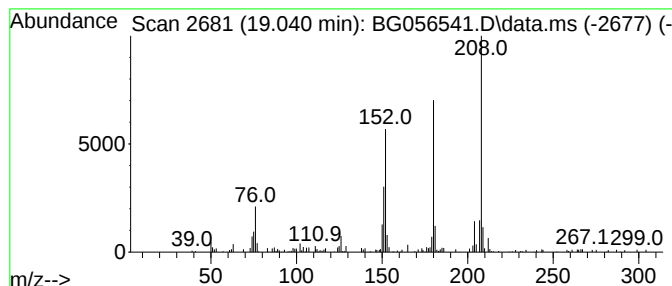
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ClientSampleId :
NPWAYNE-SOIL-0201

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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 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.041	4.70 ng	137966	Phenanthrene-d10	17.630	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	Diphenic anhydride	224	C14H8O3	006050-13-1	64
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	53
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056541.D
Acq On : 3 Feb 2023 16:31
Operator : CG/JU
Sample : 01403-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

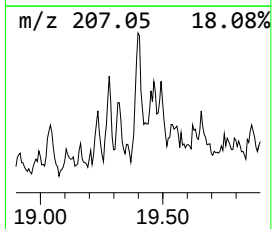
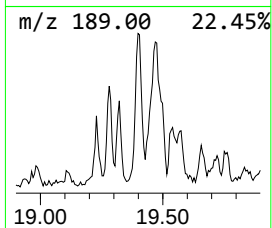
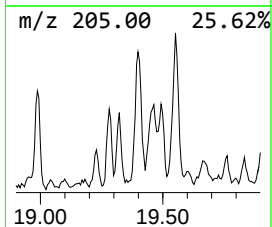
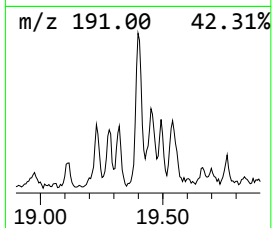
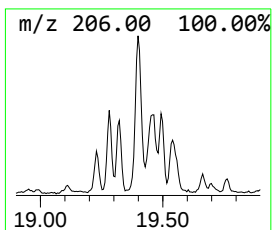
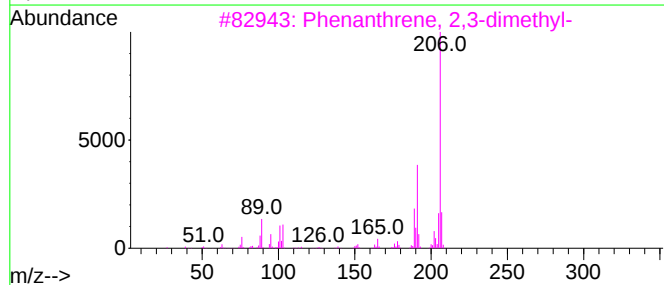
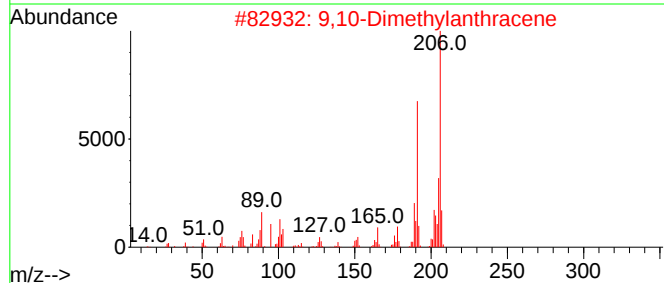
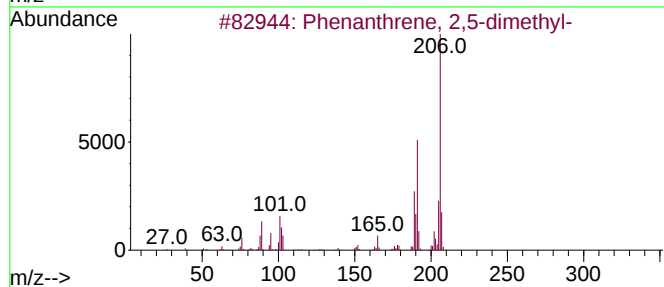
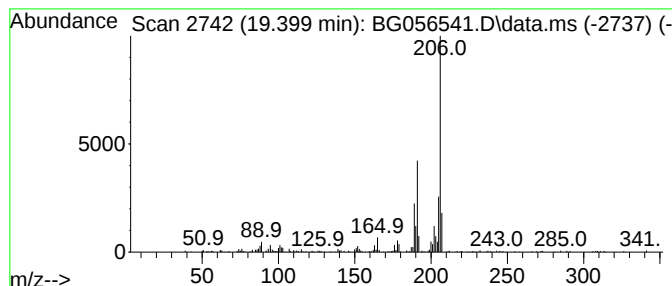
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ClientSampleId :
NPWAYNE-SOIL-0201

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.399	10.40 ng	305220	Phenanthrene-d10	17.630	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056541.D
Acq On : 3 Feb 2023 16:31
Operator : CG/JU
Sample : 01403-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

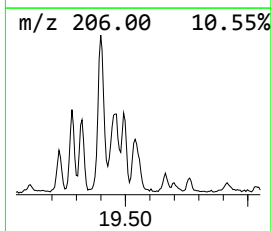
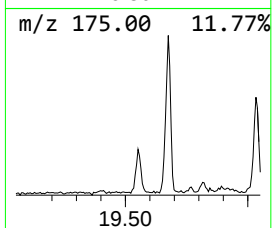
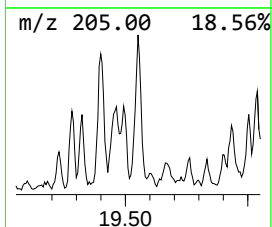
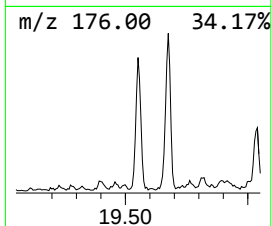
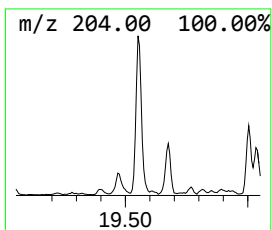
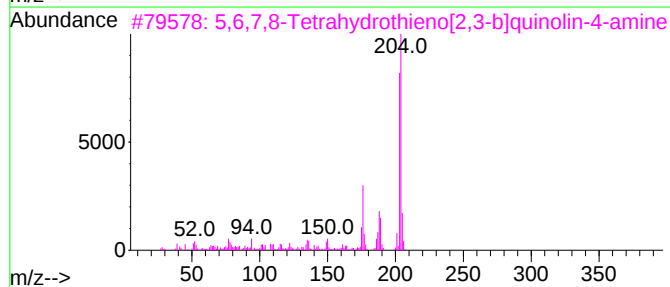
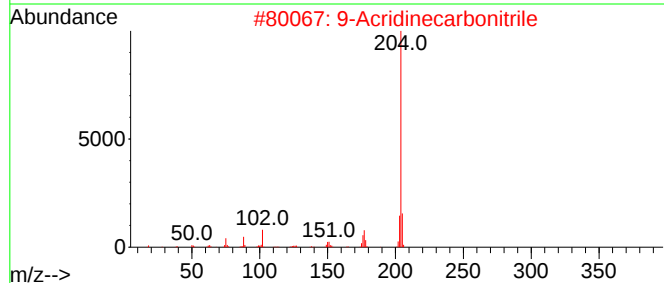
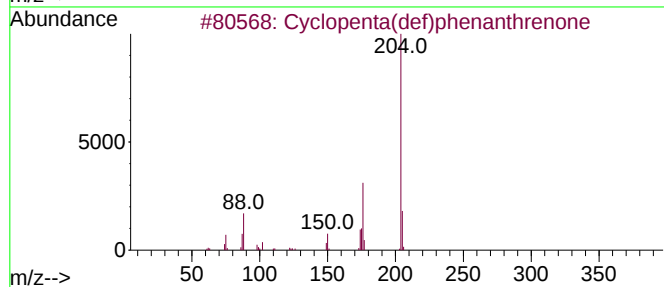
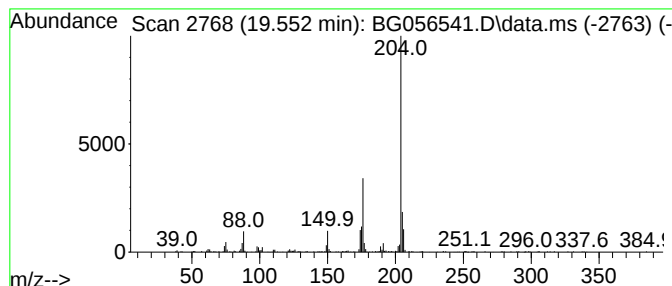
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
19.552	10.22 ng	299890	Phenanthrene-d10			17.630
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone		204	C15H8O	005737-13-3	93
2	9-Acridinecarbonitrile		204	C14H8N2	005326-19-2	58
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...		204	C11H12N2S	122914-50-5	50
4	Dihydrofuranno(3,2-H)homochromanone		204	C12H12O3	057052-85-4	49
5	Quinoline, 8-methoxy-5-nitro-		204	C10H8N2O3	1000298-88-7	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056541.D
Acq On : 3 Feb 2023 16:31
Operator : CG/JU
Sample : 01403-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

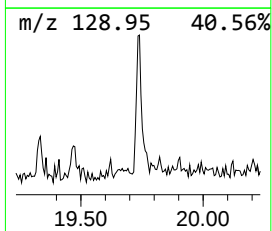
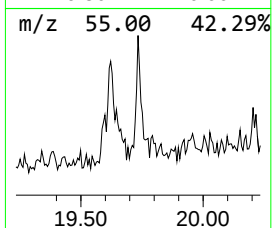
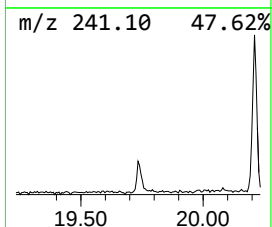
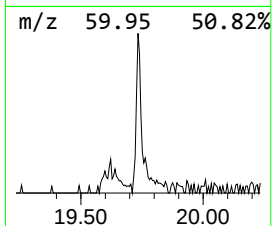
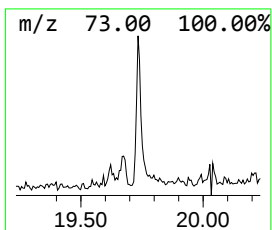
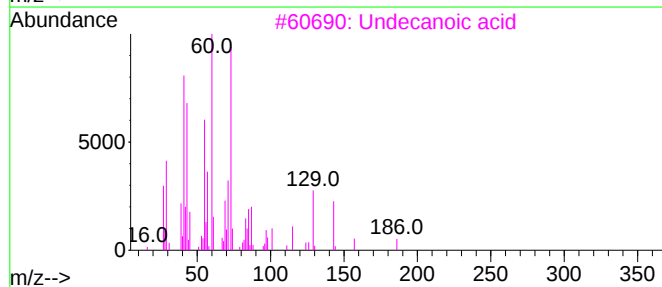
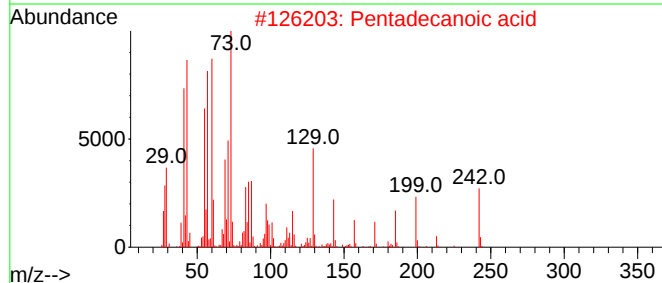
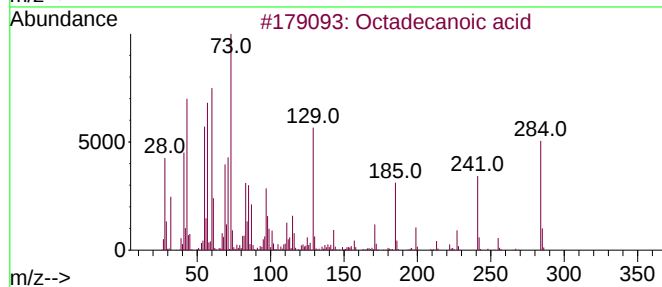
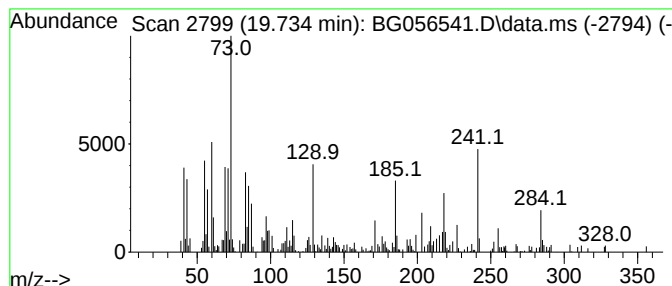
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.734	4.20 ng	123277	Phenanthrene-d10		17.630	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octadecanoic acid		284	C18H36O2	000057-11-4	90
2	Pentadecanoic acid		242	C15H30O2	001002-84-2	83
3	Undecanoic acid		186	C11H22O2	000112-37-8	45
4	Tetradecanoic acid		228	C14H28O2	000544-63-8	27
5	n-Decanoic acid		172	C10H20O2	000334-48-5	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056541.D
Acq On : 3 Feb 2023 16:31
Operator : CG/JU
Sample : 01403-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
NPWAYNE-SOIL-0201

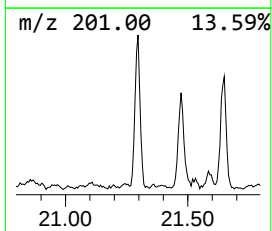
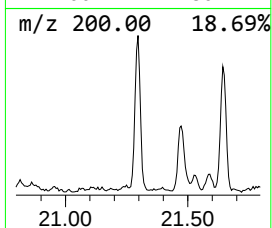
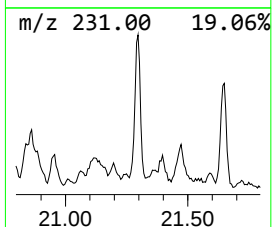
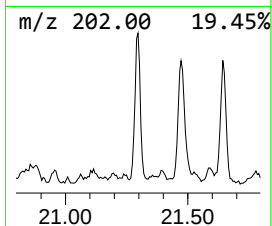
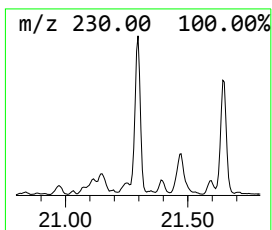
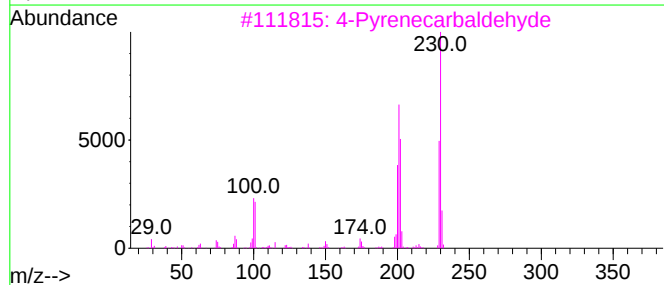
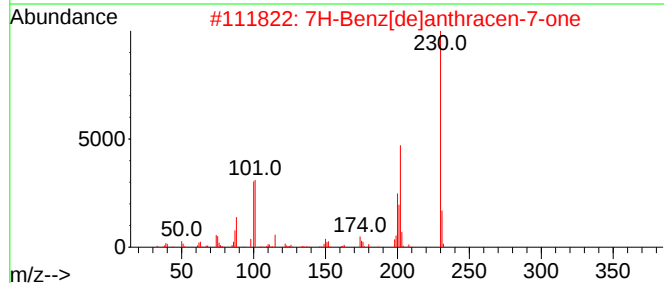
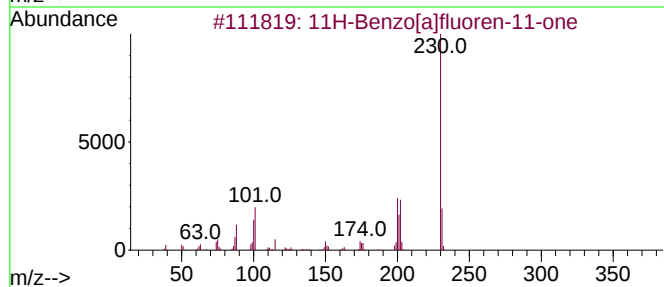
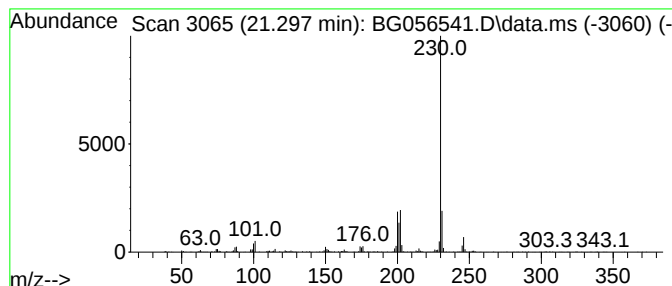
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.297	3.60 ng	616352	Chrysene-d12	21.931

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3			4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72
4			1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
5			3H-pyrazol-3-one, 2-(1,3-dihydro...	230	C12H10N2O3	1000396-36-9	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056541.D
Acq On : 3 Feb 2023 16:31
Operator : CG/JU
Sample : 01403-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
NPWAYNE-SOIL-0201

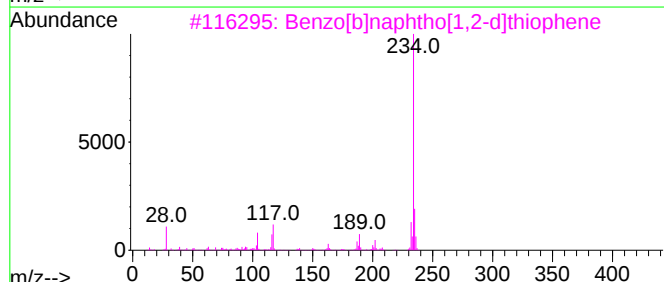
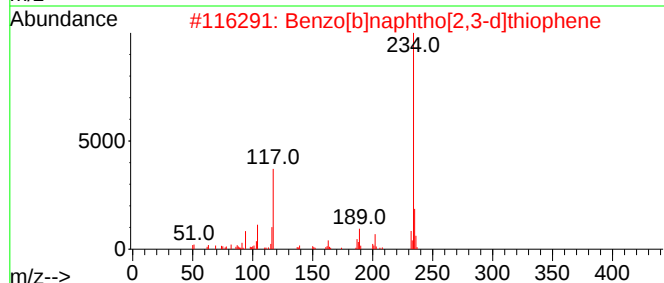
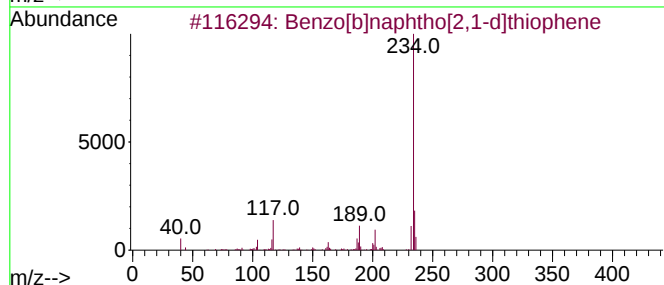
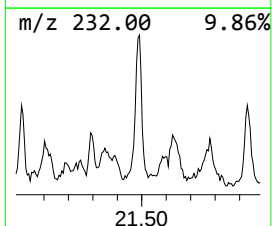
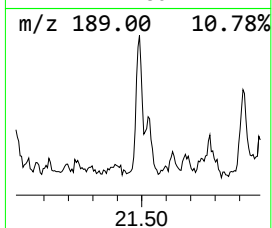
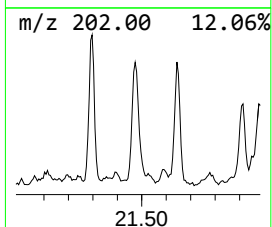
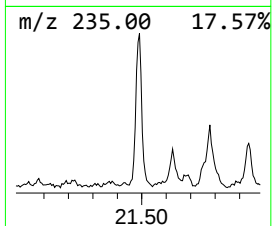
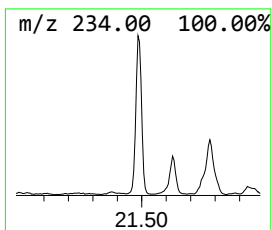
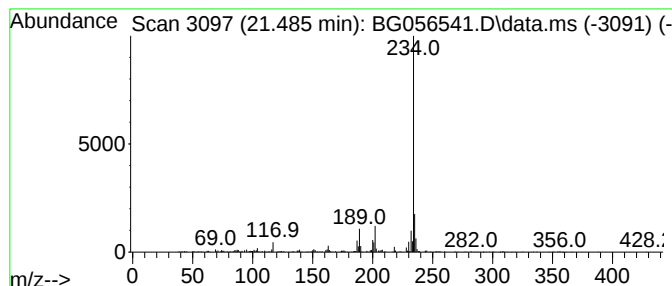
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.485	4.37 ng	747963	Chrysene-d12	21.931

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
3		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	74
4		Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	70
5		Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056541.D
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Sample : 01403-01
Misc :
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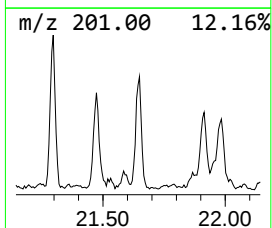
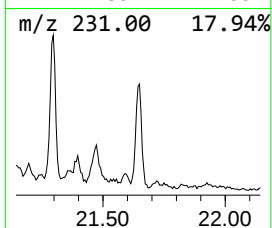
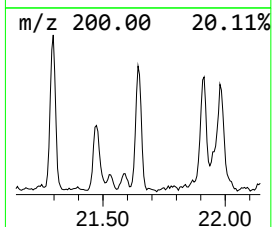
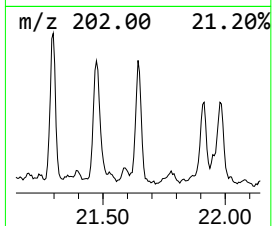
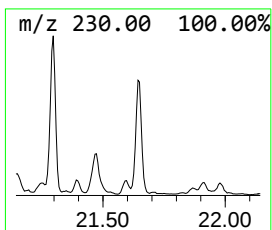
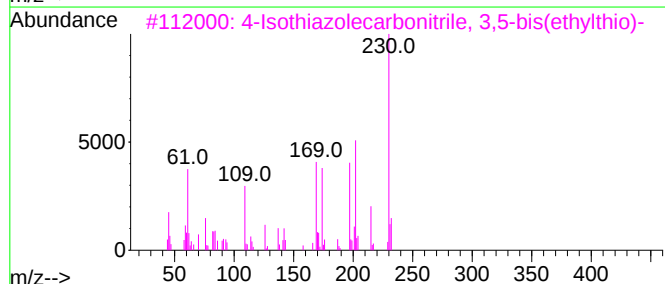
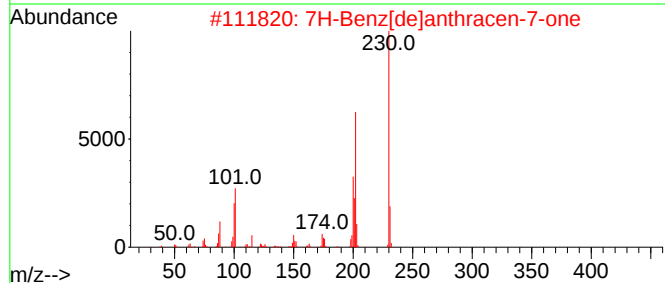
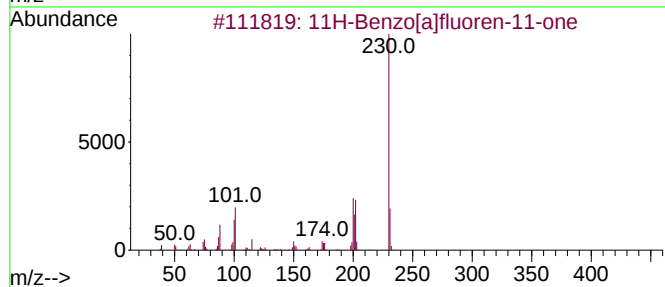
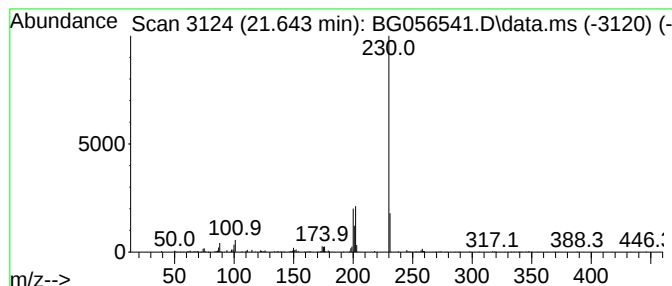
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NPWAYNE-SOIL-0201

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.643	3.64 ng	622636	Chrysene-d12	21.931	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59
4	o-Terphenyl	230	C18H14	000084-15-1	52
5	Benzo(b)phenazine	230	C16H10N2	000257-97-6	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056541.D
Acq On : 3 Feb 2023 16:31
Operator : CG/JU
Sample : 01403-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
NPWAYNE-SOIL-0201

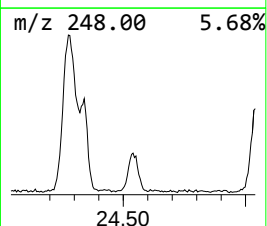
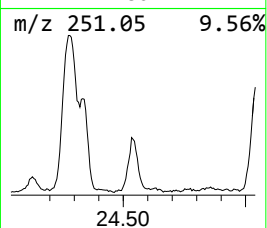
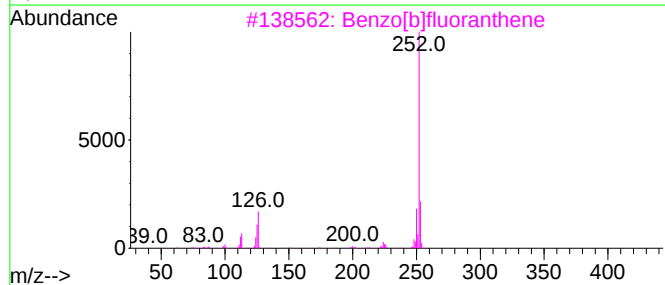
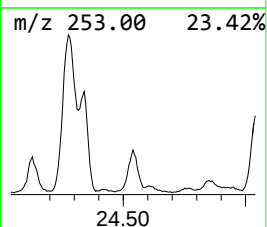
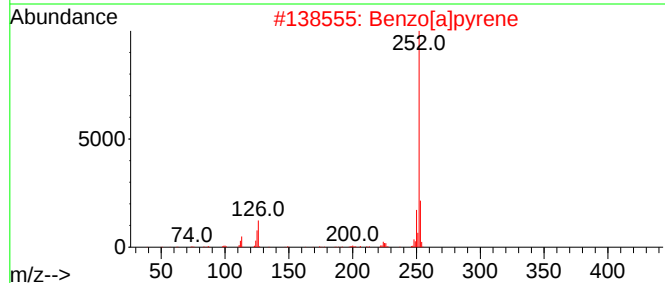
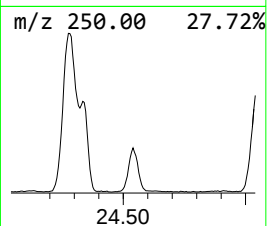
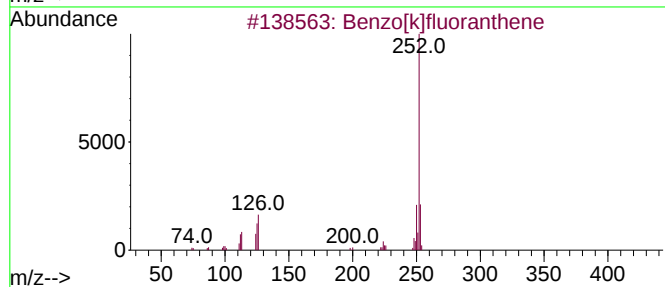
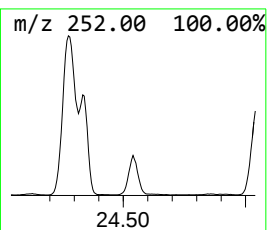
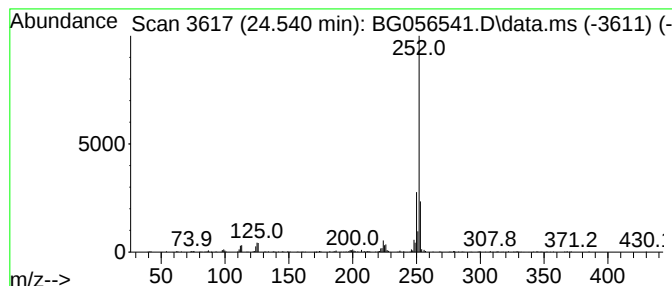
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.540	28.24 ng	555642	Perylene-d12	25.363

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
2			Benzo[a]pyrene	252	C20H12	000050-32-8	87
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
4			Benzo[e]pyrene	252	C20H12	000192-97-2	81
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056541.D
Acq On : 3 Feb 2023 16:31
Operator : CG/JU
Sample : 01403-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
NPWAYNE-SOIL-0201

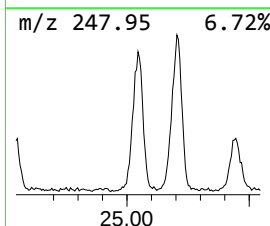
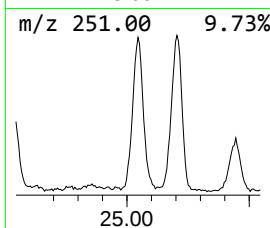
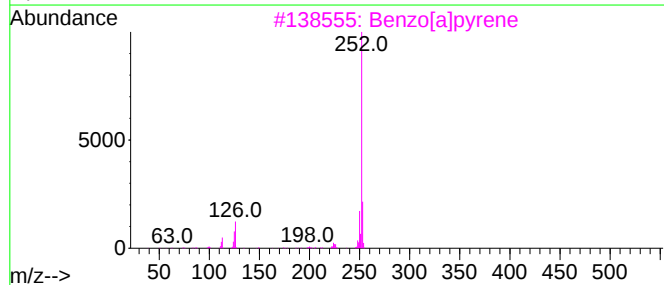
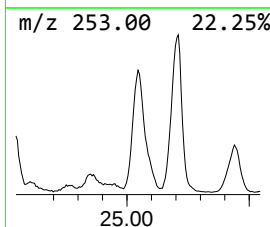
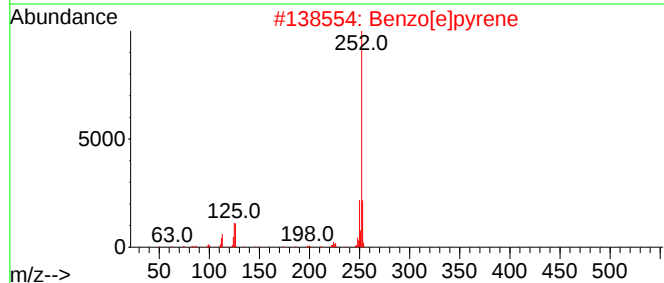
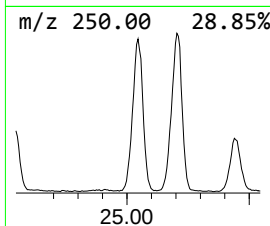
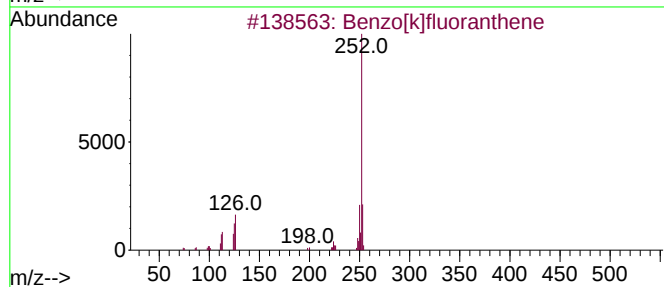
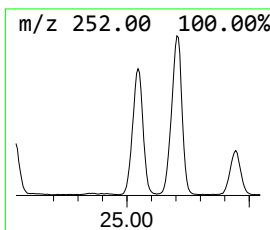
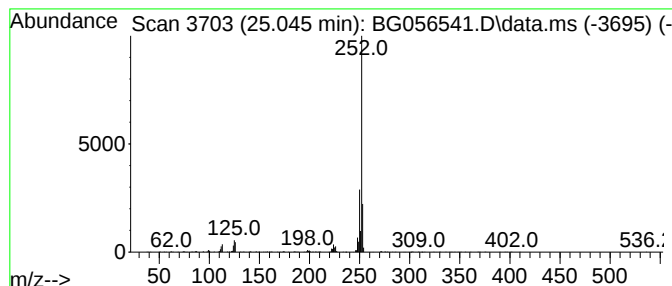
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.045	81.77 ng	1608910	Perylene-d12	25.363

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2		Benzo[e]pyrene	252	C20H12	000192-97-2	90
3		Benzo[a]pyrene	252	C20H12	000050-32-8	90
4		Benzo[b]fluoranthene	252	C20H12	000205-99-2	87
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056541.D
Acq On : 3 Feb 2023 16:31
Operator : CG/JU
Sample : 01403-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
NPWAYNE-SOIL-0201

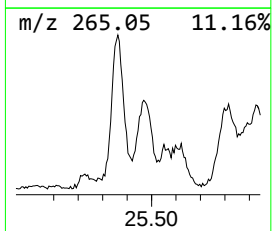
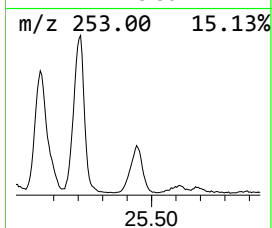
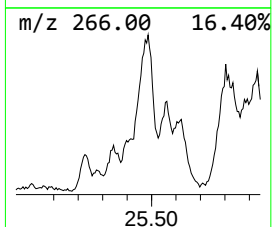
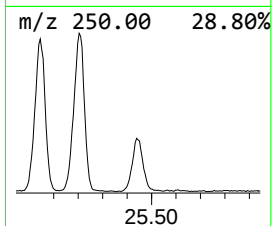
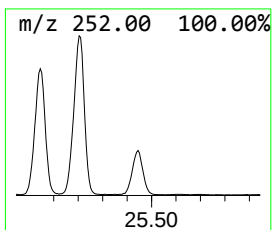
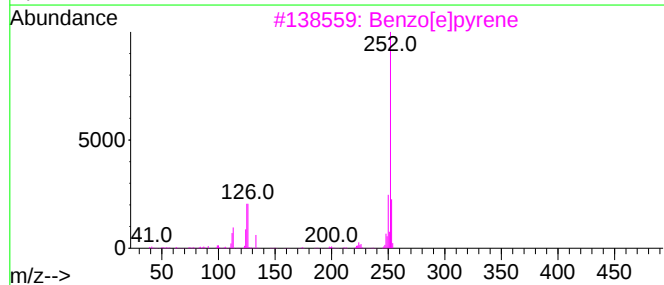
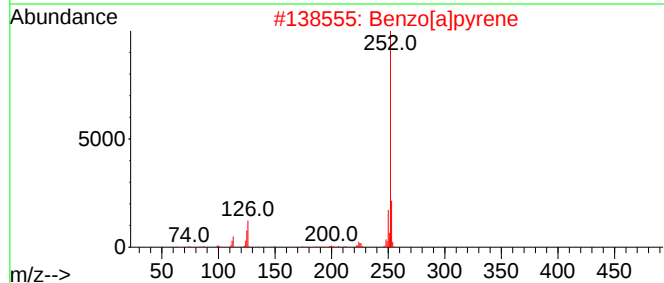
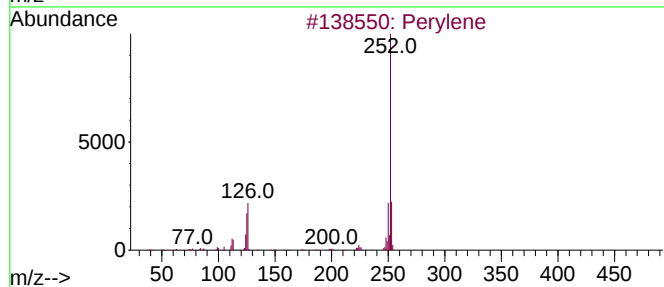
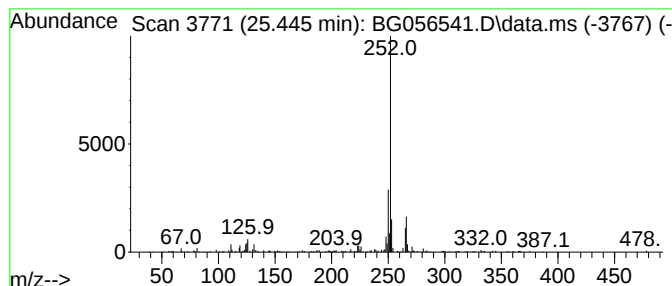
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.445	32.11 ng	631814	Perylene-d12	25.363

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Perylene	252	C20H12	000198-55-0	58
2			Benzo[a]pyrene	252	C20H12	000050-32-8	58
3			Benzo[e]pyrene	252	C20H12	000192-97-2	58
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	58
5			(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056541.D
Acq On : 3 Feb 2023 16:31
Operator : CG/JU
Sample : 01403-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
NPWAYNE-SOIL-0201

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.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-...	5.309	16.8	ng	183382	1	8.271	218059	20.0
Dibenzofuran, 4...	16.226	5.7	ng	126195	3	14.892	444656	20.0
2,4,2',4'-Tetra...	16.567	4.3	ng	125445	4	17.630	586879	20.0
Benzoic acid, 3...	17.002	4.5	ng	131242	4	17.630	586879	20.0
Anthracene, 1-m...	18.488	17.5	ng	512352	4	17.630	586879	20.0
Phenanthrene, 2...	18.553	12.2	ng	358136	4	17.630	586879	20.0
1H-Cyclopropa[l...	18.629	4.8	ng	139850	4	17.630	586879	20.0
4H-Cyclopenta[d...	18.700	16.9	ng	497160	4	17.630	586879	20.0
Scopoletin	18.776	33.5	ng	981987	4	17.630	586879	20.0
5,16[1',2']:8,1...	18.988	6.6	ng	194428	4	17.630	586879	20.0
9,10-Anthracene...	19.041	4.7	ng	137966	4	17.630	586879	20.0
Phenanthrene, 2...	19.399	10.4	ng	305220	4	17.630	586879	20.0
Cyclopenta(def)...	19.552	10.2	ng	299890	4	17.630	586879	20.0
Octadecanoic acid	19.734	4.2	ng	123277	4	17.630	586879	20.0
11H-Benzo[a]flu...	21.297	3.6	ng	616352	5	21.931	3423390	20.0
Benzo[b]naphtho...	21.485	4.4	ng	747963	5	21.931	3423390	20.0
7H-Benz[de]anth...	21.643	3.6	ng	622636	5	21.931	3423390	20.0
Benzo[e]pyrene	24.540	28.2	ng	555642	6	25.363	393502	20.0
Benzo[j]fluoran...	25.045	81.8	ng	1608910	6	25.363	393502	20.0
Perylene	25.445	32.1	ng	631814	6	25.363	393502	20.0