

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
 Data File : BM029527.D
 Acq On : 16 Apr 2021 18:21
 Operator : CG/JU
 Sample : M2050-07 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-5

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_M\Methods\8270-BM040121.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM029527.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.922	3	6	20	rVB	311832	455527	12.30%	0.931%
2	5.275	399	406	413	rBV	659622	976628	26.37%	1.996%
3	6.845	666	673	688	rBV	653156	1066360	28.79%	2.180%
4	7.675	807	814	823	rBV	407807	650520	17.56%	1.330%
5	8.822	1002	1009	1019	rBV	396910	662689	17.89%	1.355%
6	10.451	1280	1286	1292	rBV	512069	858429	23.18%	1.755%
7	10.504	1292	1295	1301	rVB	47355	69180	1.87%	0.141%
8	12.122	1559	1570	1576	rBV	28574	56724	1.53%	0.116%
9	12.927	1701	1707	1717	rBV	799683	1174981	31.72%	2.402%
10	13.633	1821	1827	1833	rBV3	23682	49786	1.34%	0.102%
11	13.769	1845	1850	1856	rBV2	24058	39174	1.06%	0.080%
12	14.033	1889	1895	1901	rBV	57199	94327	2.55%	0.193%
13	14.310	1933	1942	1948	rBV	710516	1041537	28.12%	2.129%
14	14.374	1948	1953	1961	rVB	109716	163155	4.40%	0.334%
15	14.710	2005	2010	2017	rVB	86528	133751	3.61%	0.273%
16	15.357	2114	2120	2125	rBV2	119364	180459	4.87%	0.369%
17	15.651	2167	2170	2181	rVB	41739	73010	1.97%	0.149%
18	15.798	2188	2195	2204	rBV2	720766	1024623	27.66%	2.095%
19	16.039	2231	2236	2245	rVB3	31810	59730	1.61%	0.122%
20	16.368	2282	2292	2296	rVV7	26206	67397	1.82%	0.138%
21	16.592	2322	2330	2333	rBV3	25156	51301	1.39%	0.105%
22	16.710	2345	2350	2357	rVB	50045	81460	2.20%	0.167%
23	16.786	2358	2363	2365	rBV2	30619	45564	1.23%	0.093%
24	16.874	2374	2378	2387	rVB	88318	140741	3.80%	0.288%
25	17.057	2403	2409	2412	rBV	777636	1169039	31.56%	2.390%
26	17.098	2412	2416	2422	rVV	1627341	2191301	59.16%	4.480%
27	17.186	2422	2431	2437	rVV	372304	558121	15.07%	1.141%
28	17.245	2437	2441	2446	rVB2	46502	75269	2.03%	0.154%
29	17.457	2468	2477	2481	rBV2	146030	252232	6.81%	0.516%
30	17.574	2492	2497	2502	rBV5	36448	56490	1.53%	0.115%
31	17.633	2503	2507	2513	rVB4	25222	39394	1.06%	0.081%
32	17.927	2552	2557	2560	rBV	179658	265652	7.17%	0.543%
33	17.974	2560	2565	2572	rVV2	295423	526052	14.20%	1.075%
34	18.056	2574	2579	2584	rVV	109024	160841	4.34%	0.329%
35	18.121	2584	2590	2594	rVV2	293048	532944	14.39%	1.089%
36	18.156	2594	2596	2604	rVB	134178	169514	4.58%	0.347%

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Integrator: RTE

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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

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37	18.433	2638	2643	2646	rBV	146323	196033	5.29%	0.401%
38	18.468	2646	2649	2654	rVB	123988	161963	4.37%	0.331%
39	18.674	2682	2684	2689	rVB2	54049	62691	1.69%	0.128%
40	18.727	2690	2693	2696	rVV	46814	60305	1.63%	0.123%
41	18.768	2696	2700	2704	rVB	52780	72074	1.95%	0.147%
42	18.851	2709	2714	2718	rBV2	130249	214898	5.80%	0.439%
43	18.915	2719	2725	2728	rBV3	51724	107516	2.90%	0.220%
44	18.992	2733	2738	2746	rVB4	94288	176538	4.77%	0.361%
45	19.115	2753	2759	2765	rBV	2798220	3620223	97.74%	7.401%
46	19.209	2773	2775	2778	rBV2	43135	46001	1.24%	0.094%
47	19.315	2788	2793	2795	rBV5	41587	72143	1.95%	0.147%
48	19.356	2797	2800	2804	rVB	77379	98973	2.67%	0.202%
49	19.480	2816	2821	2829	rVB	2374518	3394753	91.65%	6.940%
50	19.551	2829	2833	2840	rVB2	115141	193944	5.24%	0.396%
51	19.656	2847	2851	2852	rBV	127411	157250	4.25%	0.321%
52	19.680	2852	2855	2859	rVV	1129684	1436693	38.79%	2.937%
53	19.715	2859	2861	2867	rVB	144573	181327	4.90%	0.371%
54	19.803	2870	2876	2882	rBV3	147626	371380	10.03%	0.759%
55	19.939	2895	2899	2901	rBV4	84192	135318	3.65%	0.277%
56	19.974	2901	2905	2909	rVB	331223	448797	12.12%	0.917%
57	20.009	2909	2911	2915	rBV4	32685	42757	1.15%	0.087%
58	20.074	2918	2922	2925	rBV	224960	286886	7.75%	0.586%
59	20.127	2926	2931	2936	rBV2	218605	344473	9.30%	0.704%
60	20.168	2936	2938	2942	rVB	56568	61376	1.66%	0.125%
61	20.209	2943	2945	2950	rVB3	46910	65133	1.76%	0.133%
62	20.268	2952	2955	2959	rBV	132125	161402	4.36%	0.330%
63	20.315	2959	2963	2967	rBV2	134081	183285	4.95%	0.375%
64	20.715	3028	3031	3038	rVB	173099	257598	6.95%	0.527%
65	20.880	3054	3059	3063	rBV2	206551	361614	9.76%	0.739%
66	20.921	3063	3066	3069	rVV	239947	295121	7.97%	0.603%
67	20.962	3069	3073	3078	rVV3	394418	653549	17.65%	1.336%
68	21.015	3078	3082	3089	rVB2	188920	315113	8.51%	0.644%
69	21.227	3113	3118	3123	rBV3	1960704	3703866	100.00%	7.572%
70	21.274	3123	3126	3136	rVB	1494081	1844443	49.80%	3.771%
71	21.392	3142	3146	3151	rBV2	261860	404501	10.92%	0.827%
72	21.544	3168	3172	3177	rBV2	196073	318610	8.60%	0.651%
73	21.827	3217	3220	3226	rVB2	241517	351814	9.50%	0.719%
74	22.786	3377	3383	3388	rBV	1487035	3163257	85.40%	6.467%
75	22.950	3407	3411	3417	rBV	260952	410241	11.08%	0.839%
76	23.256	3458	3463	3472	rVB	828963	1562075	42.17%	3.193%

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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

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Peak separation: 5

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	23.350	3473	3479	3487	rVV	1278750	2403295	64.89%	4.913%
78	23.444	3490	3495	3500	rVV2	714964	1426034	38.50%	2.915%
79	23.491	3500	3503	3511	rVB2	361947	682726	18.43%	1.396%
80	25.668	3865	3873	3885	rVB2	653915	1804981	48.73%	3.690%
81	26.350	3982	3989	4005	rVB	466007	1390351	37.54%	2.842%

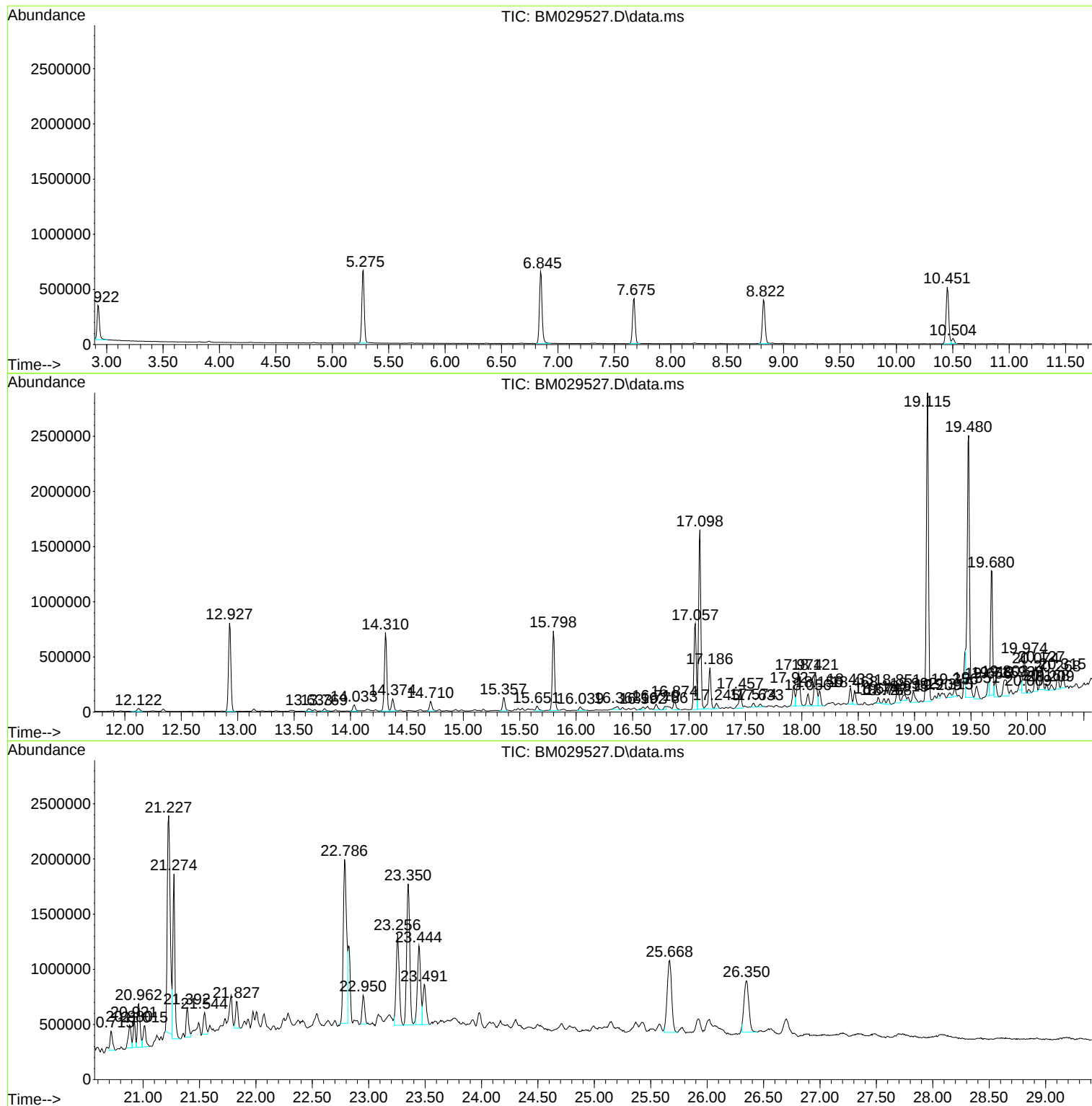
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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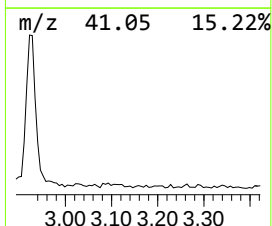
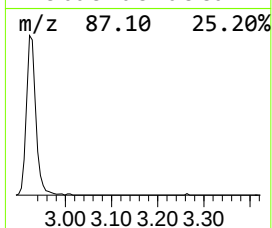
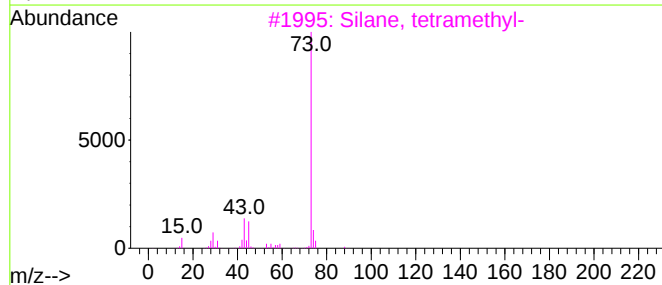
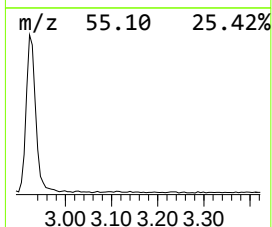
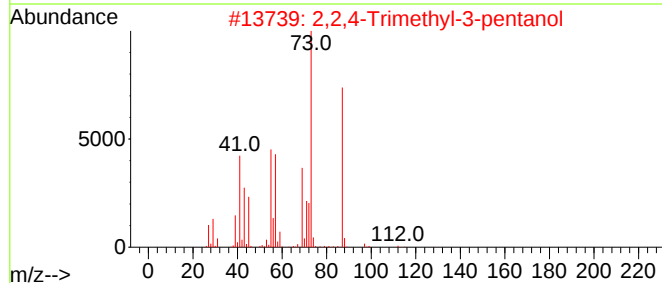
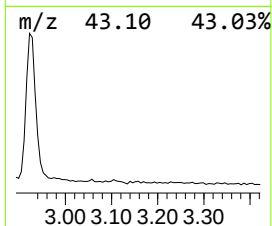
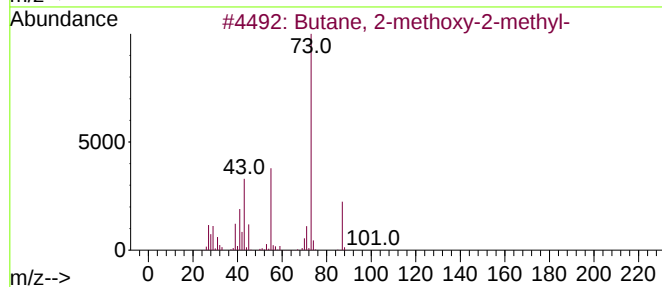
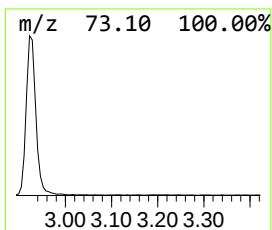
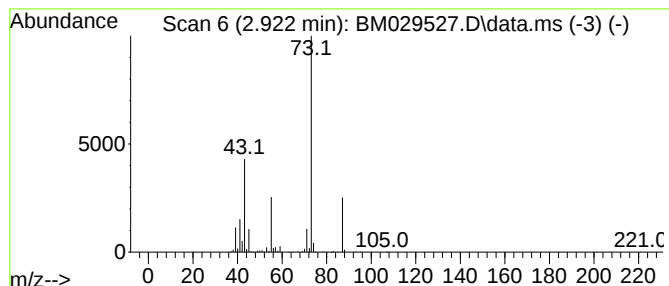
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.922	14.01 ng	455527	1,4-Dichlorobenzene-d4	7.675

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Silane, tetramethyl-	88	C4H12Si	000075-76-3	32
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5			N-Ethylformamide	73	C3H7NO	000627-45-2	9



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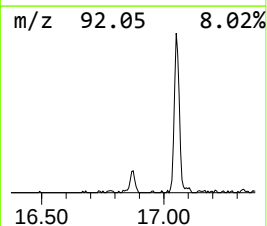
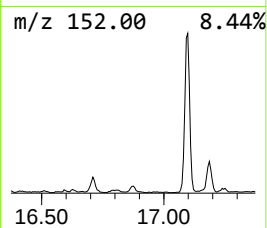
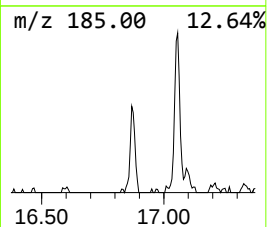
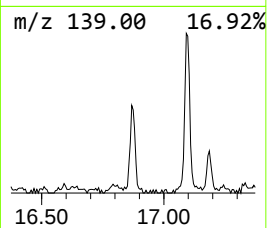
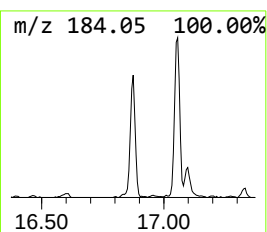
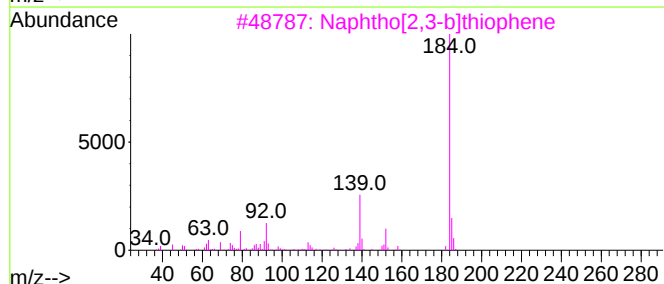
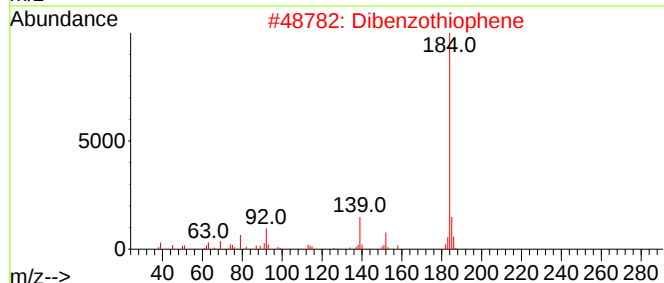
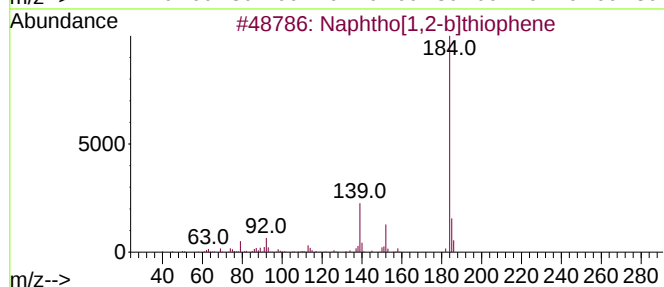
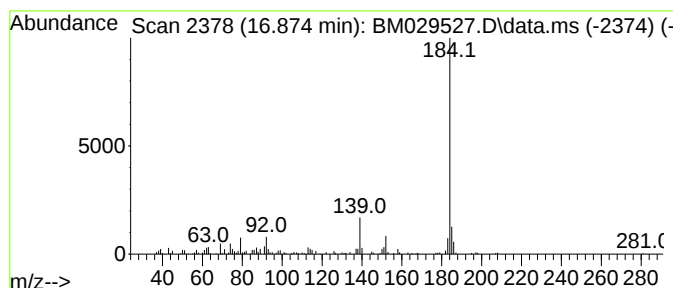
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphtho[1,2-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.874	2.41 ng	140741	Phenanthrene-d10	17.057

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
2			Dibenzothiophene	184	C12H8S	000132-65-0	94
3			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



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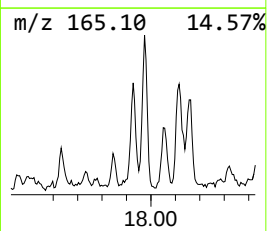
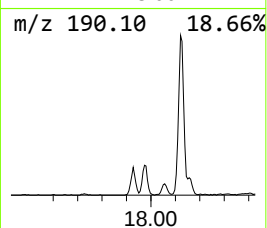
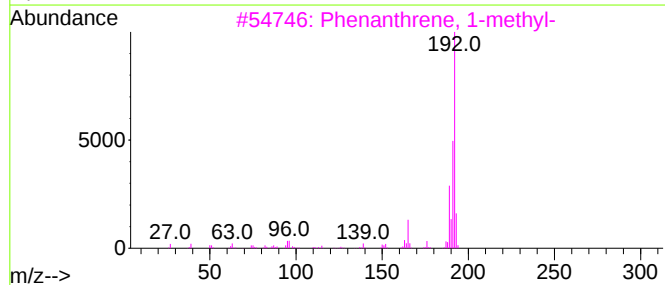
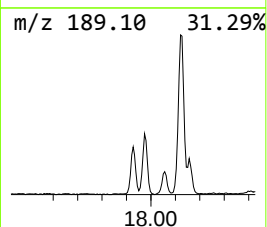
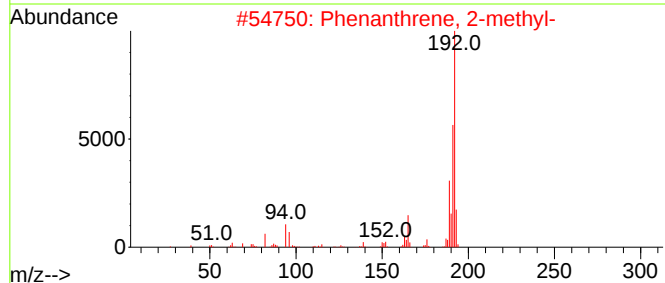
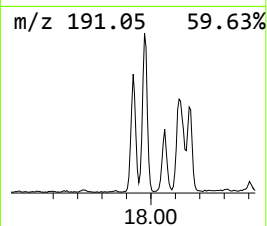
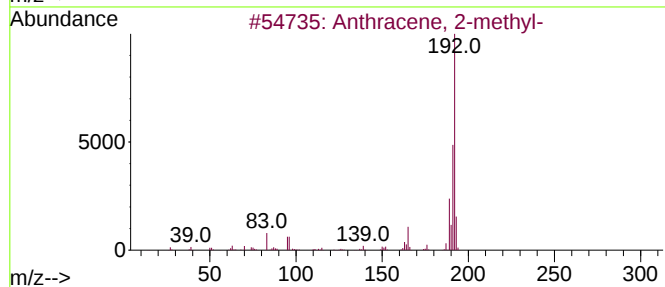
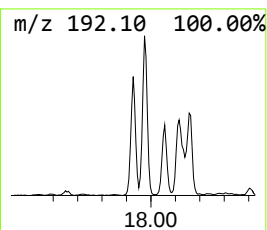
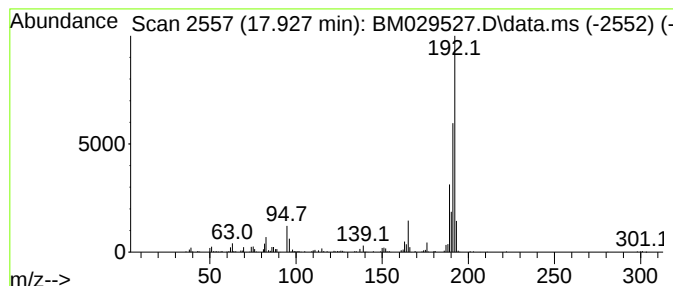
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.927	4.54 ng	265652	Phenanthrene-d10	17.057

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91



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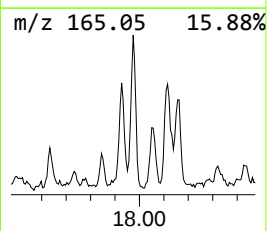
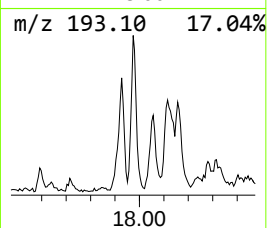
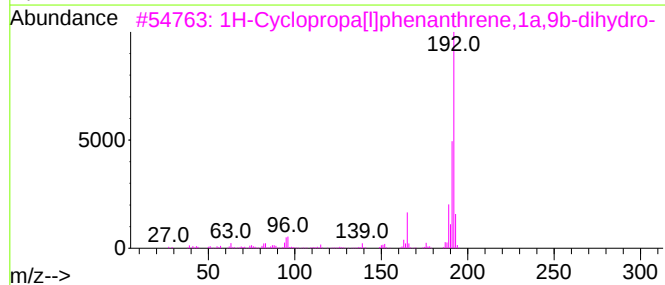
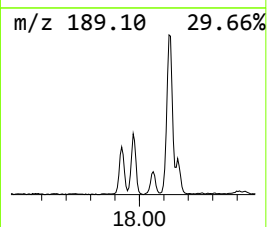
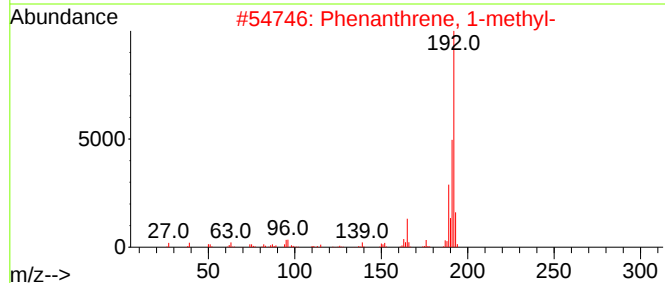
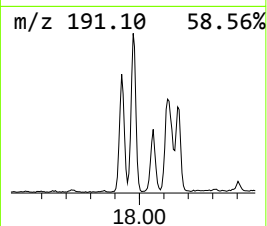
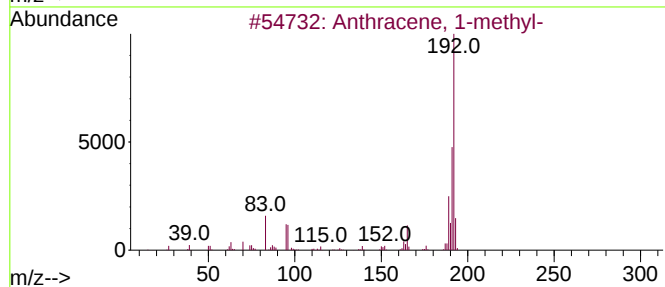
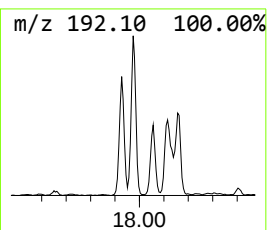
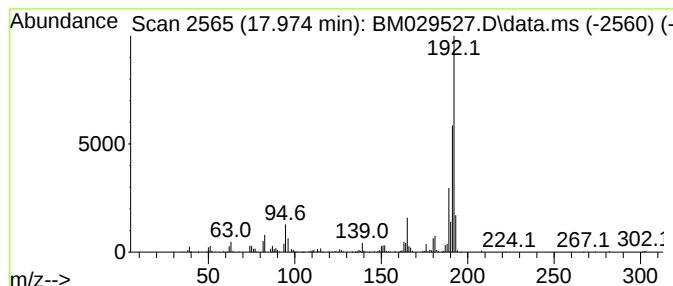
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.974	9.00 ng	526052	Phenanthrene-d10	17.057

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
5			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029527.D
Acq On : 16 Apr 2021 18:21
Operator : CG/JU
Sample : M2050-07 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-5

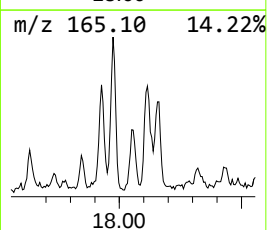
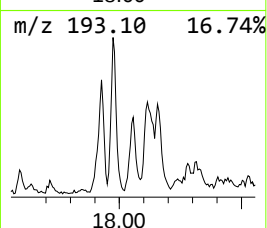
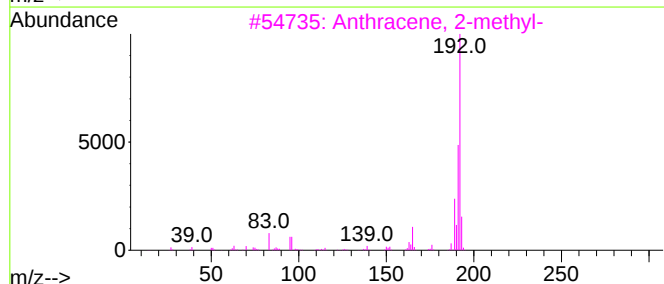
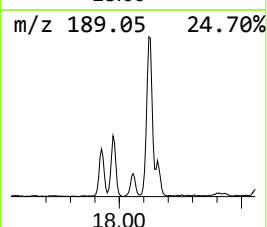
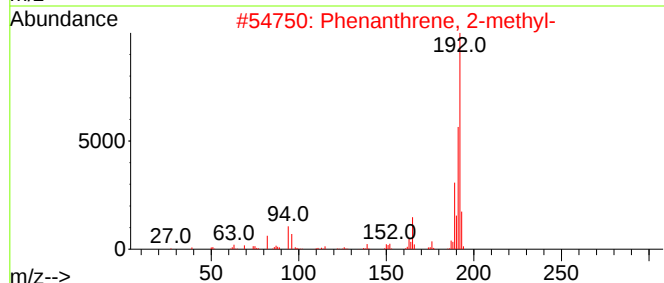
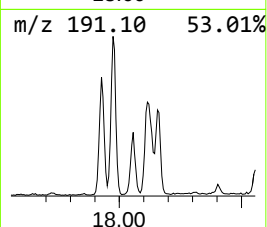
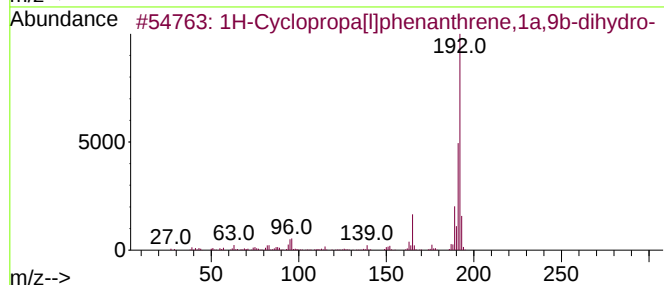
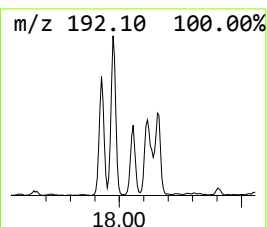
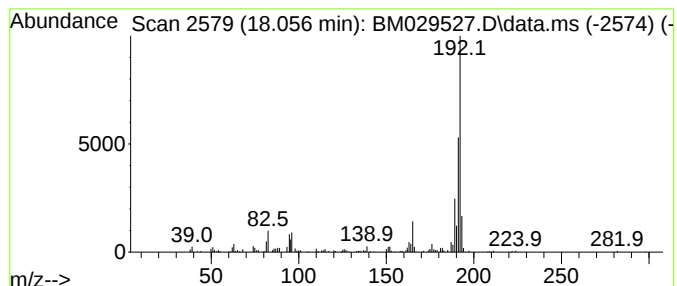
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.057	2.75 ng	160841	Phenanthrene-d10	17.057

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029527.D
Acq On : 16 Apr 2021 18:21
Operator : CG/JU
Sample : M2050-07 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-5

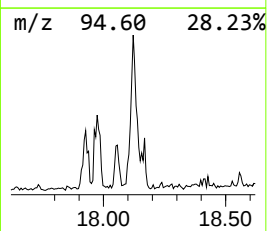
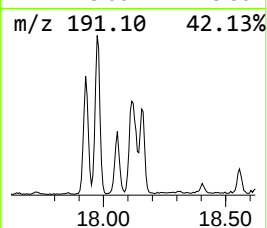
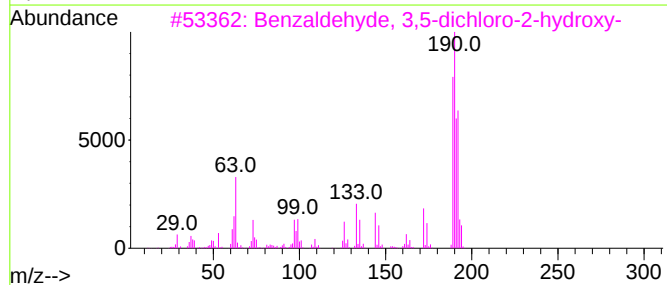
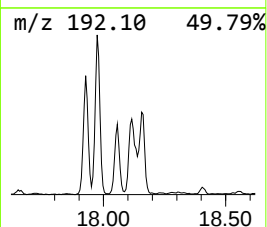
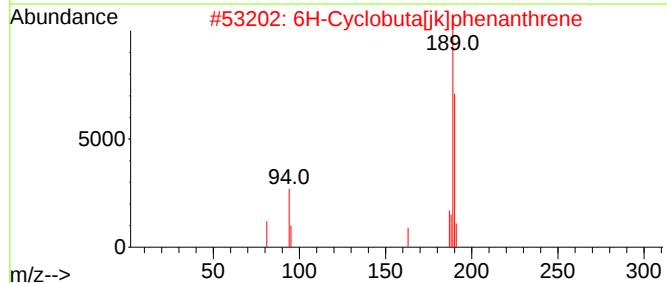
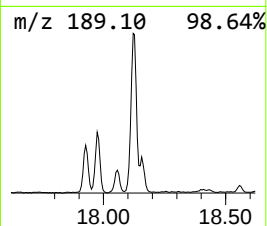
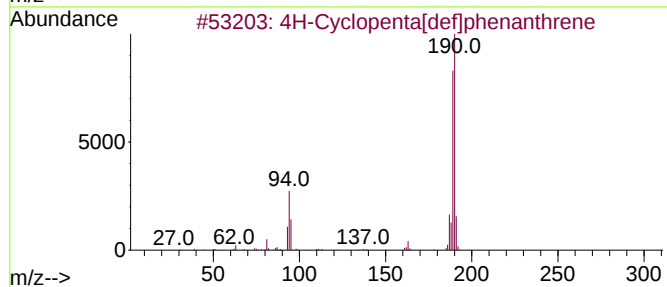
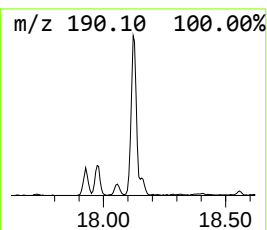
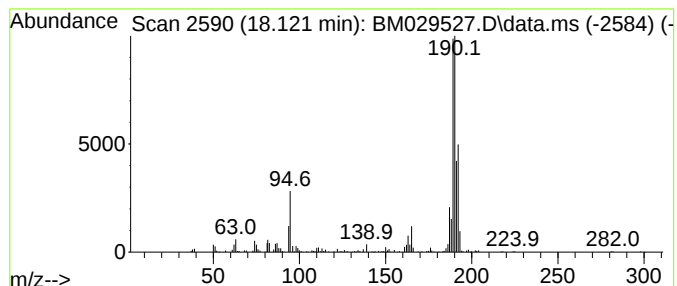
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.121	9.12 ng	532944	Phenanthrene-d10	17.057

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	47
4		Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	38
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	32



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029527.D
Acq On : 16 Apr 2021 18:21
Operator : CG/JU
Sample : M2050-07 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-5

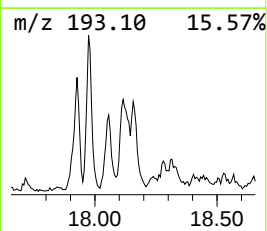
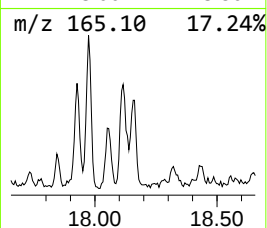
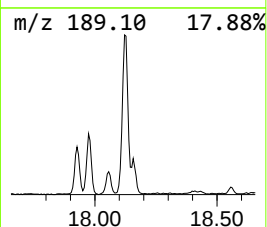
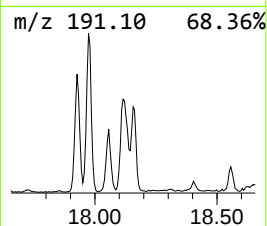
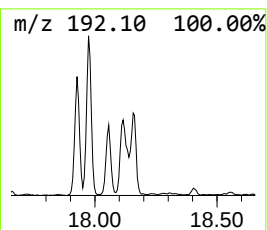
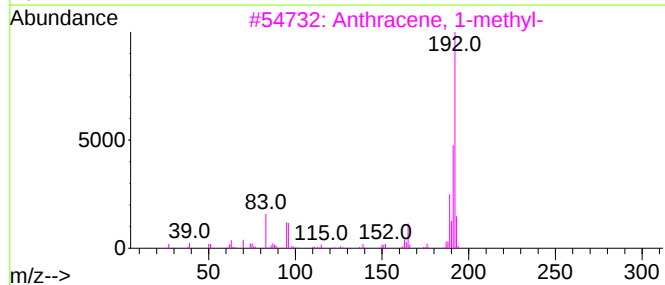
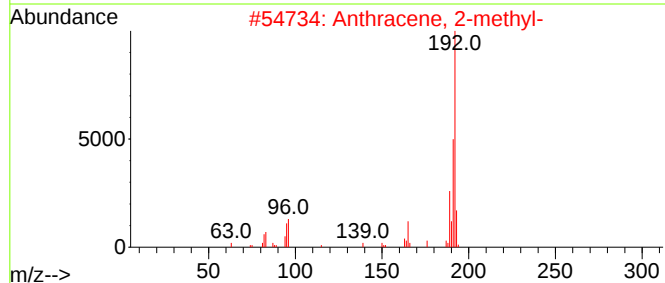
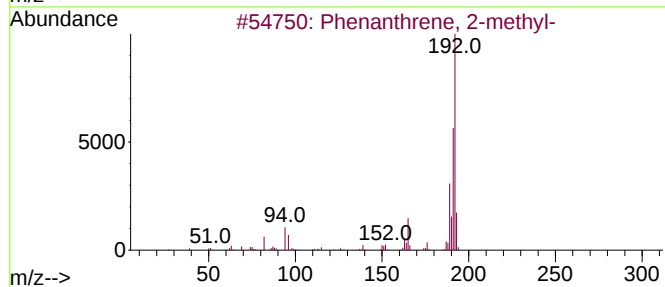
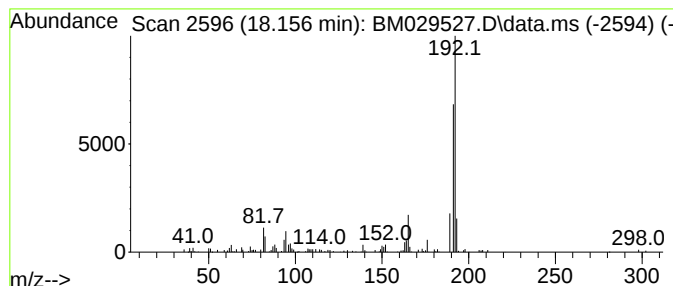
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.157	2.90 ng	169514	Phenanthrene-d10	17.057

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029527.D
Acq On : 16 Apr 2021 18:21
Operator : CG/JU
Sample : M2050-07 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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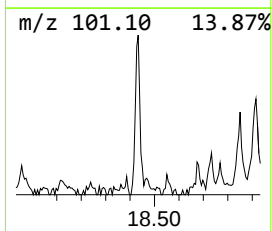
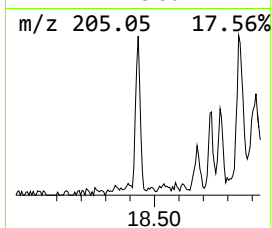
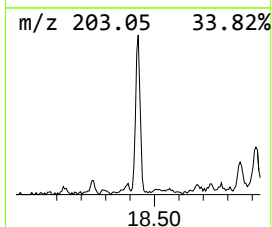
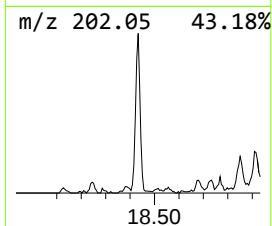
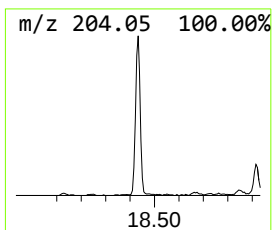
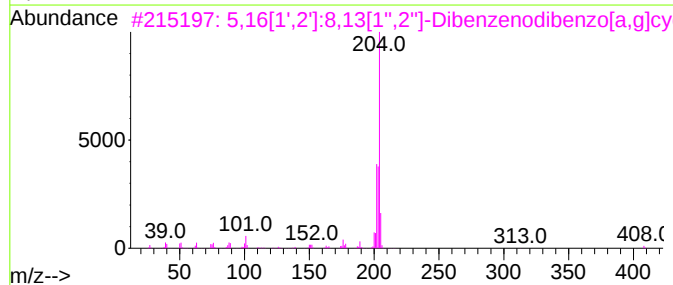
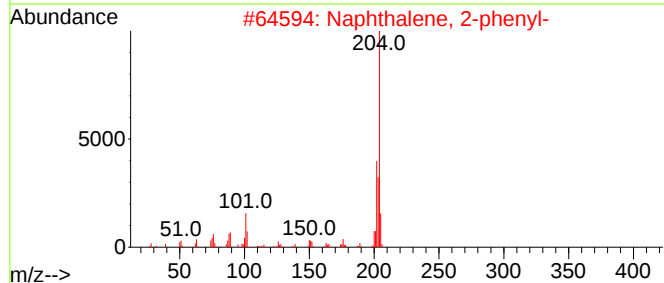
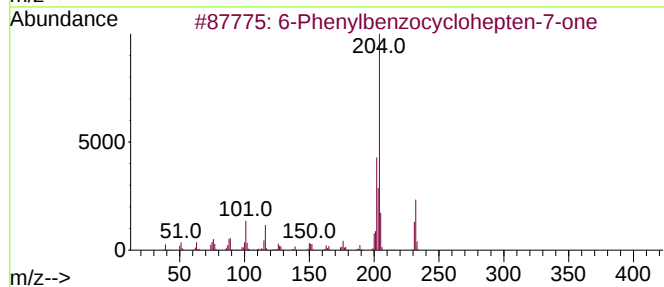
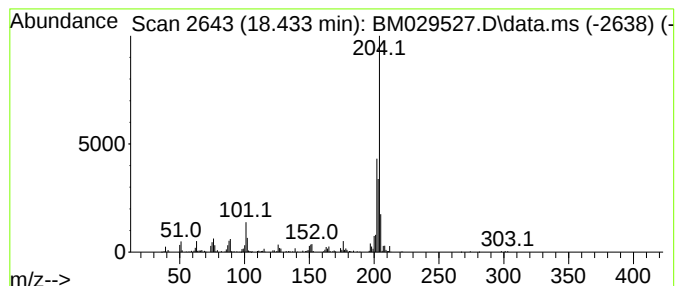
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 6-Phenylbenzocyclohepten-7-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.433	3.35 ng	196033	Phenanthrene-d10	17.057

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029527.D
Acq On : 16 Apr 2021 18:21
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Sample : M2050-07 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-5

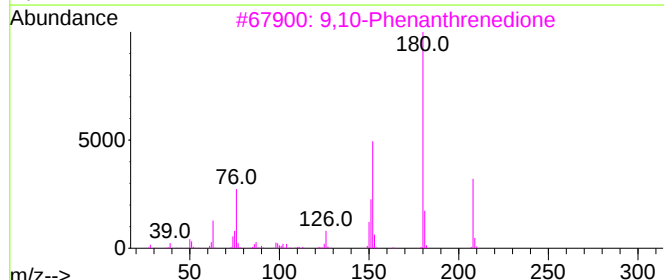
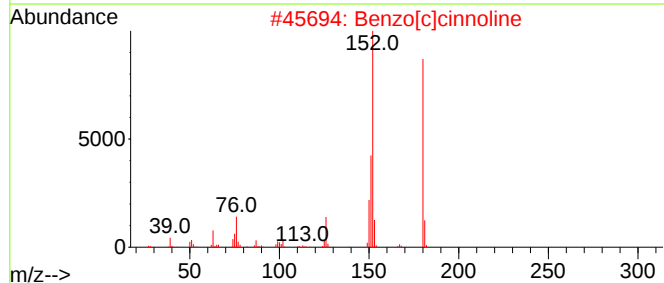
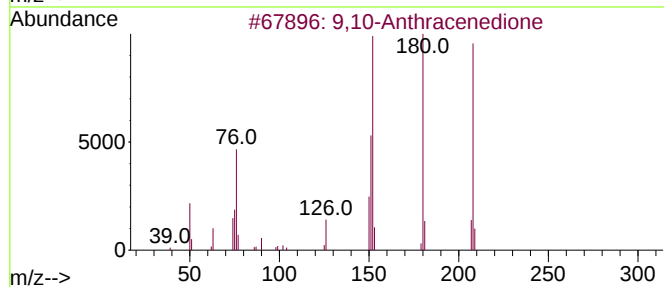
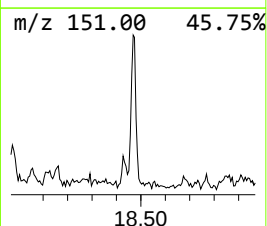
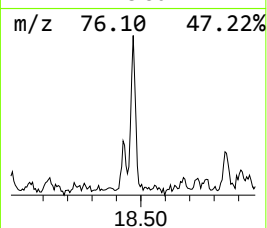
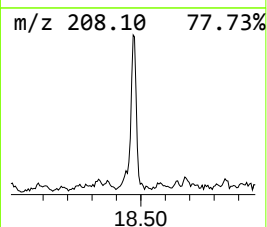
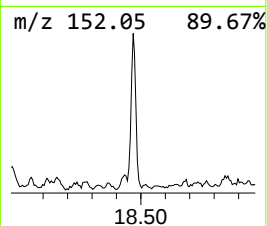
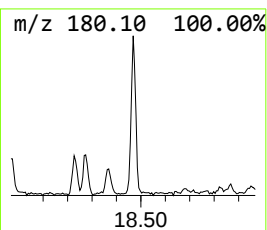
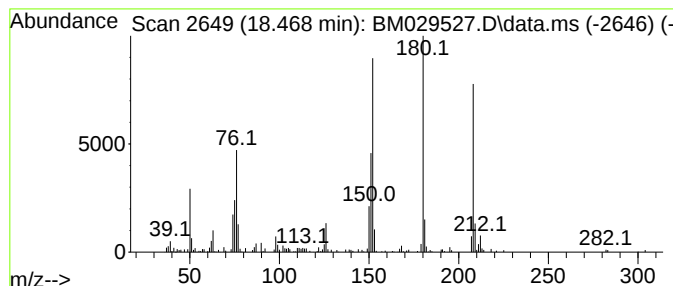
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.468	2.77 ng	161963	Phenanthrene-d10	17.057

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
3			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	76
4			9H-Fluoren-9-one	180	C13H8O	000486-25-9	68
5			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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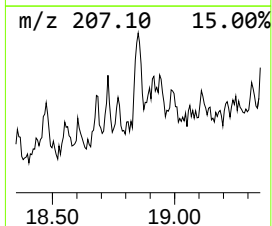
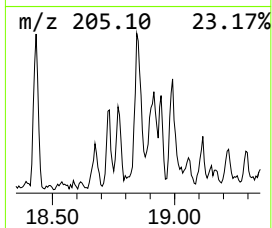
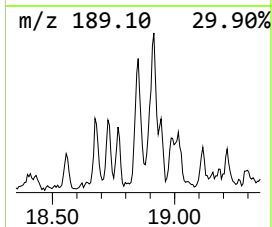
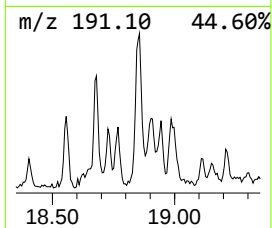
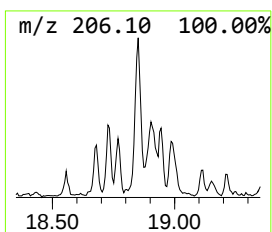
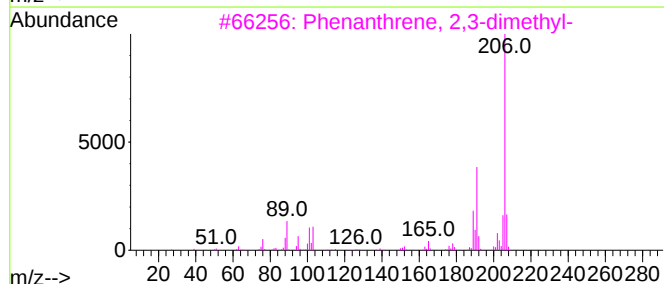
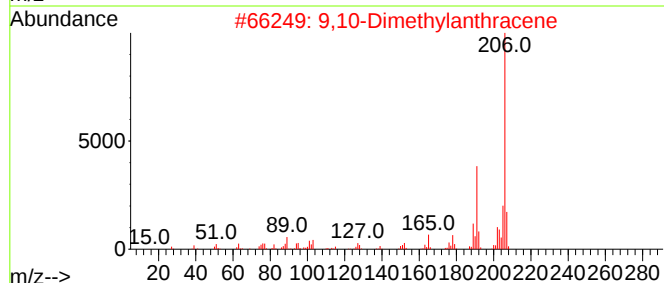
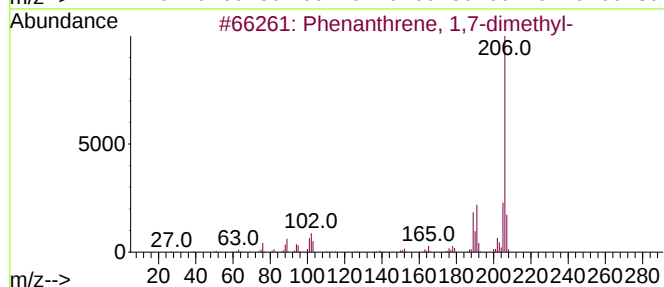
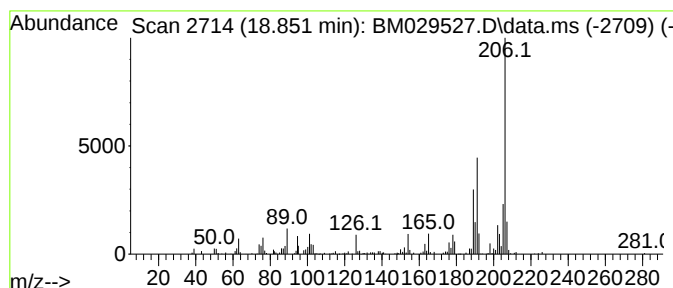
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 1,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.851	3.68 ng	214898	Phenanthrene-d10	17.057

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4		3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029527.D
Acq On : 16 Apr 2021 18:21
Operator : CG/JU
Sample : M2050-07 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

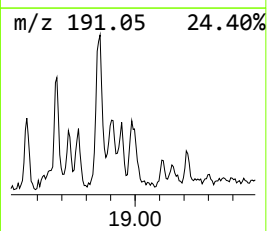
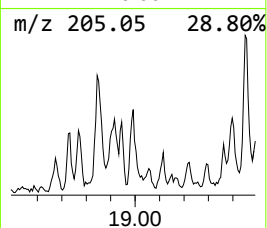
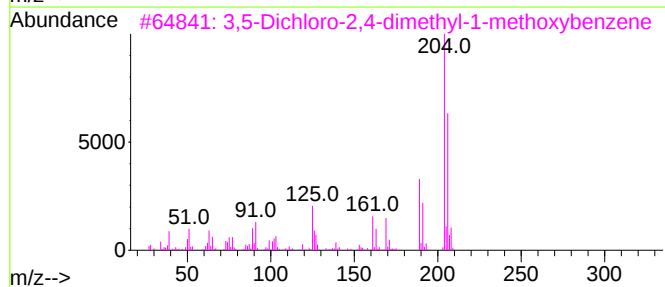
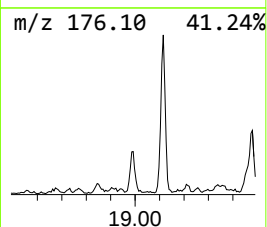
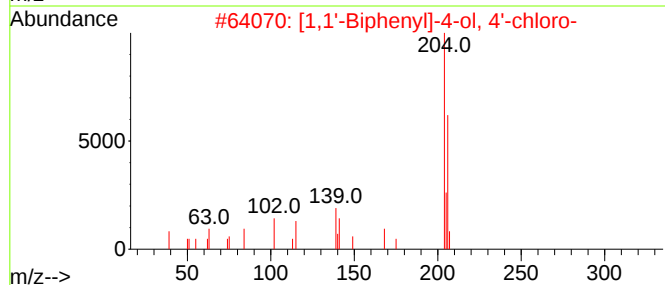
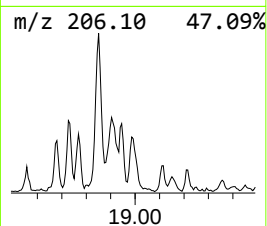
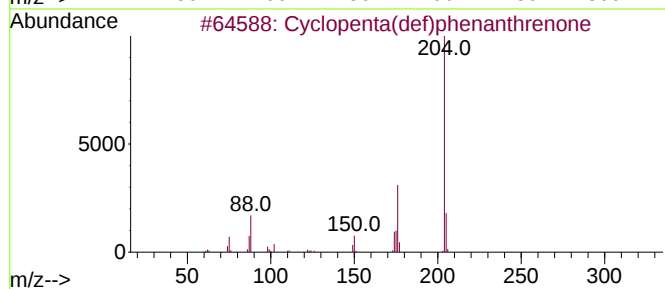
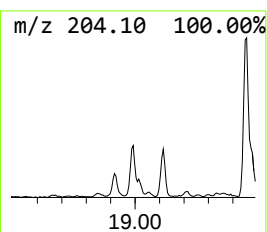
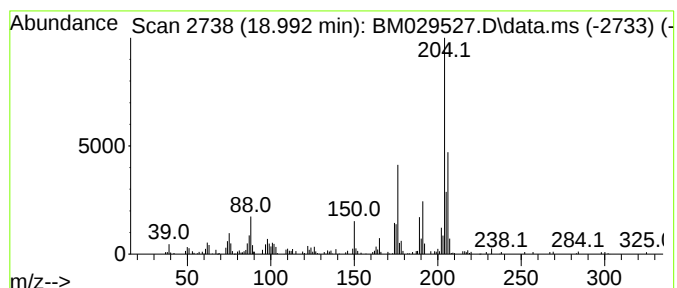
Instrument :
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ClientSampleId :
TP-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.992	3.02 ng	176538	Phenanthrene-d10		17.057	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone		204	C15H8O	005737-13-3	53
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-		204	C12H9ClO	028034-99-3	49
3	3,5-Dichloro-2,4-dimethyl-1-meth...		204	C9H10Cl2O	1000250-17-8	47
4	.alpha.-L-Mannopyranose, 6-deoxy...		452	C18H44O5Si4	055057-21-1	47
5	1,2,4-Triazolo[2,3-c]thieno[3,2-...		204	C9H8N4S	113246-88-1	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029527.D
Acq On : 16 Apr 2021 18:21
Operator : CG/JU
Sample : M2050-07 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
TP-5

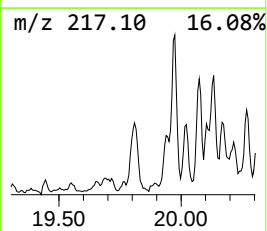
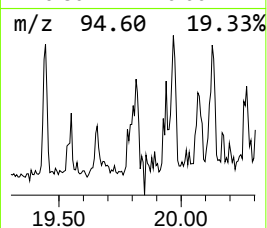
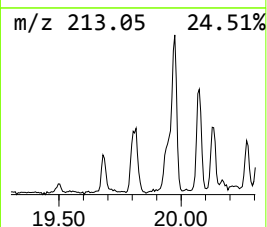
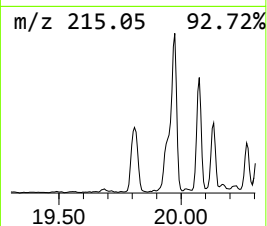
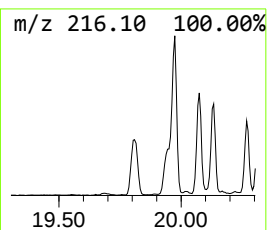
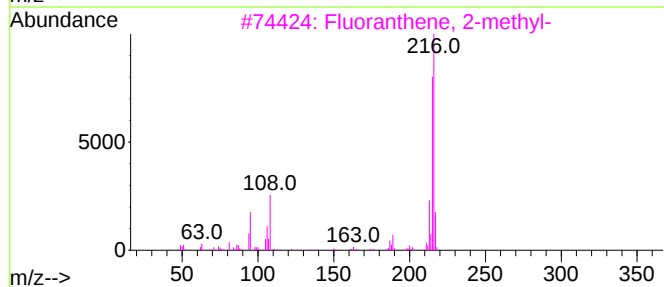
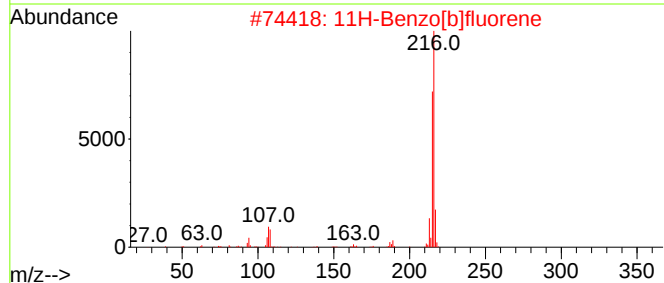
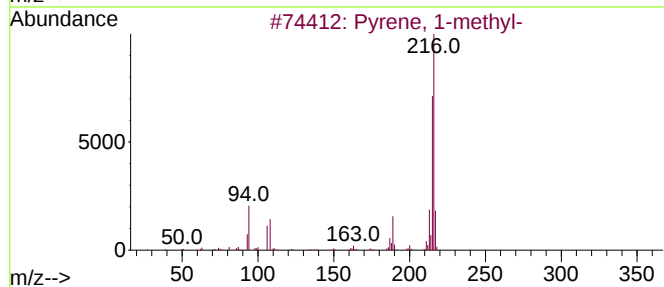
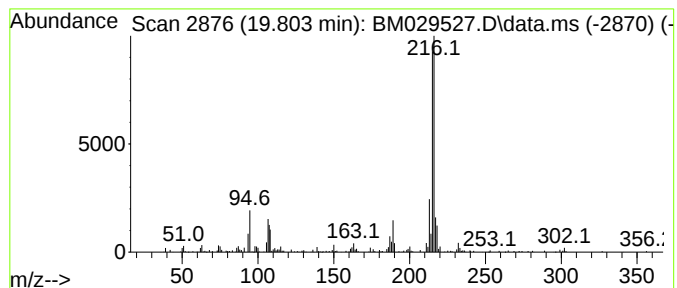
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.803	2.01 ng	371380	Chrysene-d12	21.239

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029527.D
Acq On : 16 Apr 2021 18:21
Operator : CG/JU
Sample : M2050-07 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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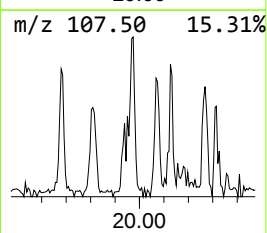
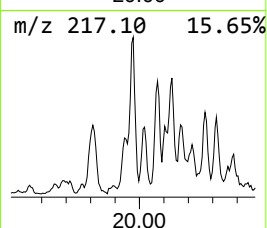
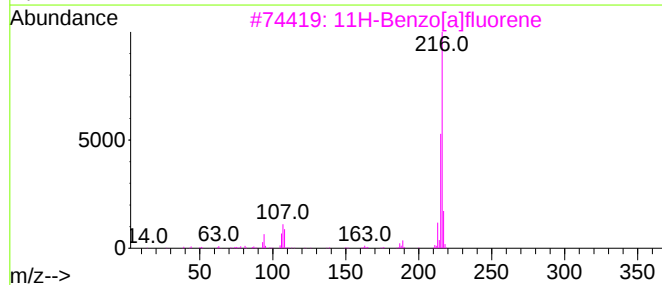
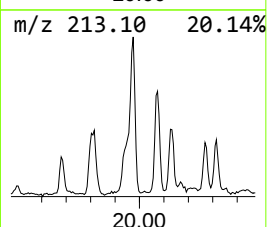
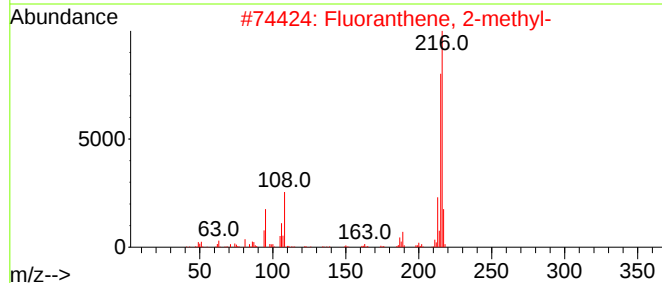
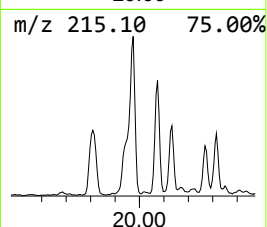
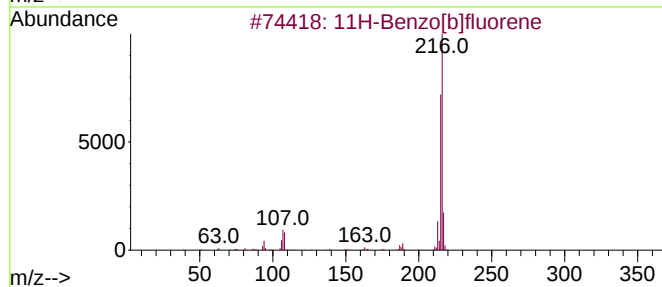
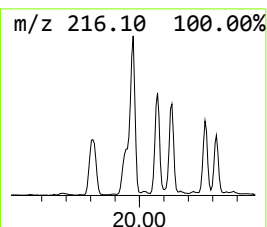
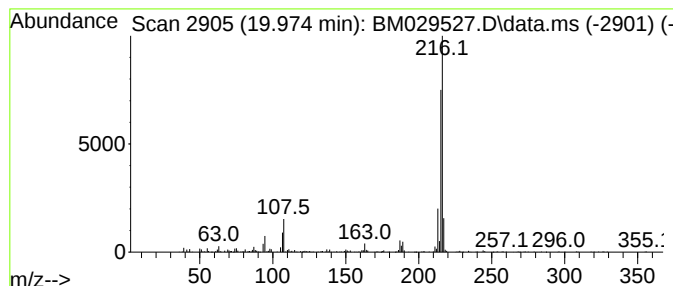
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.974	2.42 ng	448797	Chrysene-d12	21.239

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029527.D
Acq On : 16 Apr 2021 18:21
Operator : CG/JU
Sample : M2050-07 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-5

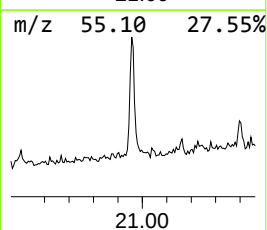
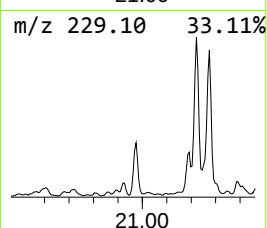
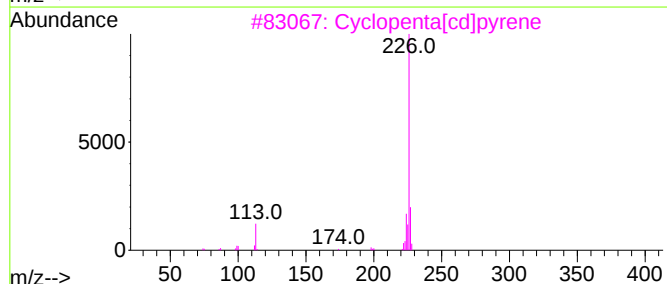
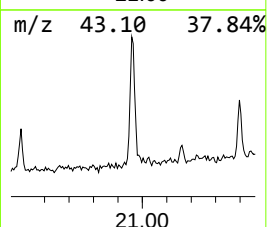
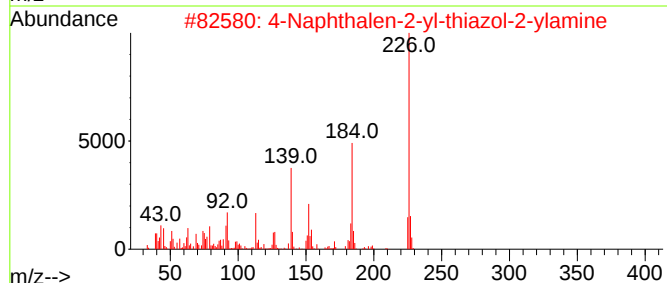
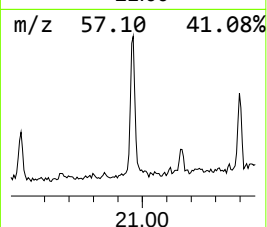
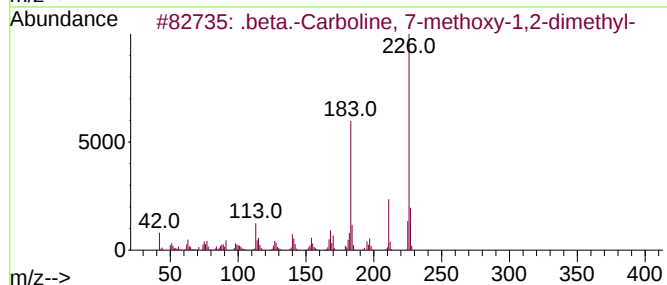
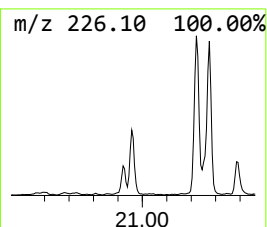
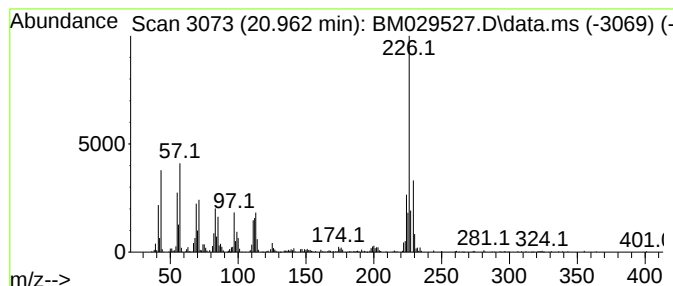
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 .beta.-Carboline, 7-methoxy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.962	3.53 ng	653549	Chrysene-d12	21.239

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
2			4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	50
3			Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	50
4			Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	47
5			Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029527.D
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ALS Vial : 14 Sample Multiplier: 1

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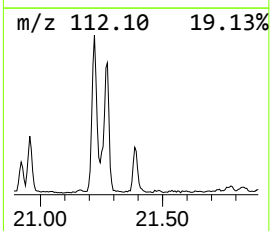
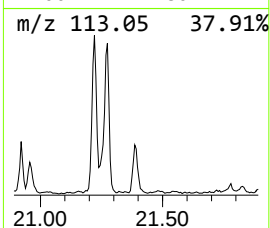
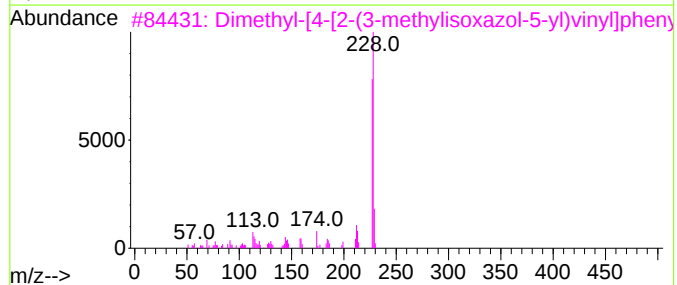
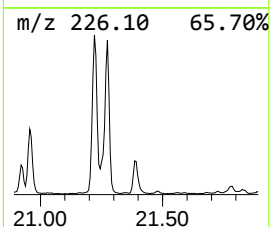
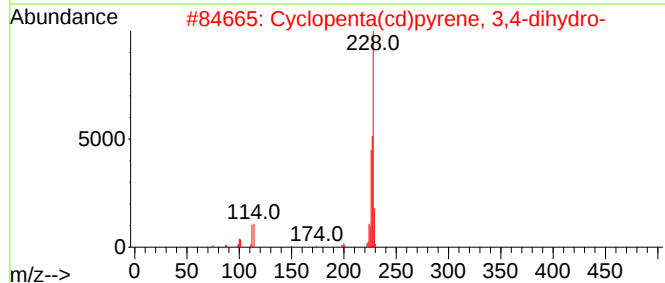
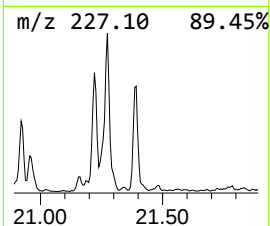
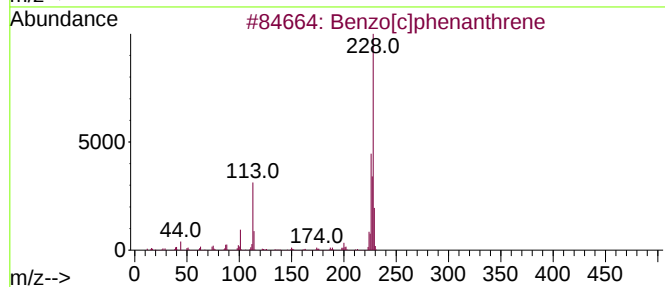
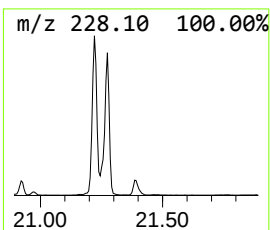
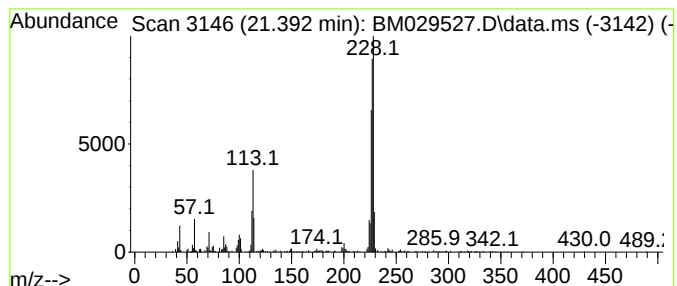
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Benzo[c]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.392	2.18 ng	404501	Chrysene-d12	21.239

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[c]phenanthrene	228	C18H12	000195-19-7	64
2			Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
3			Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	47
4			Triphenylene	228	C18H12	000217-59-4	46
5			1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029527.D
Acq On : 16 Apr 2021 18:21
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Misc :
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Instrument :
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ClientSampleId :
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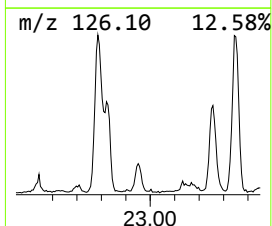
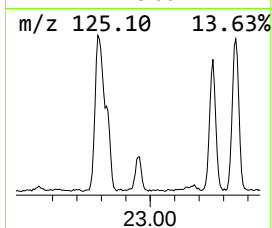
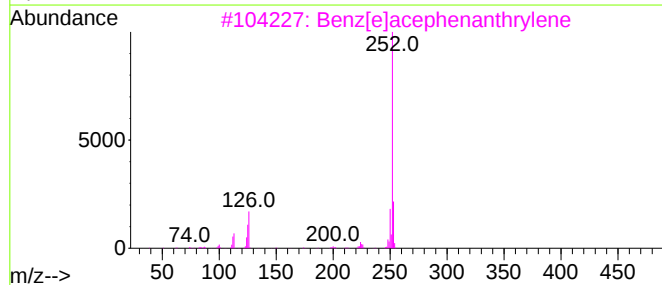
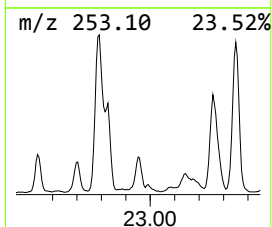
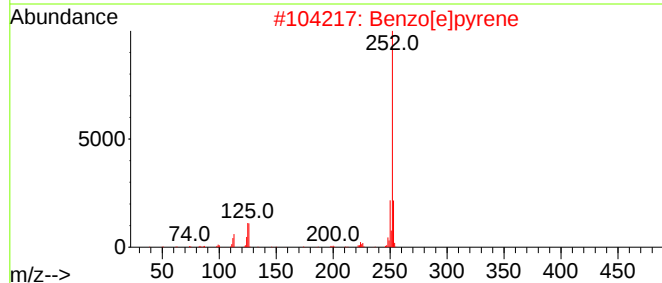
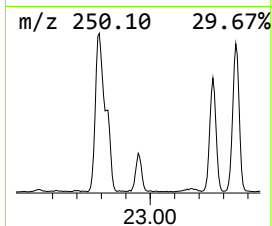
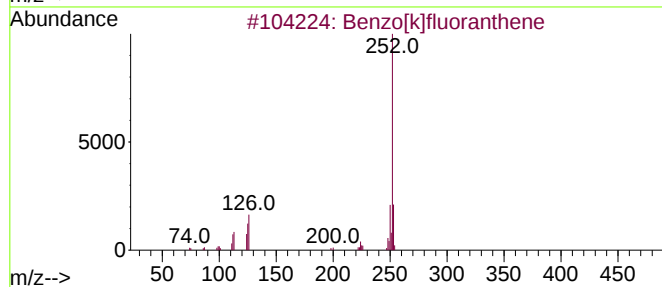
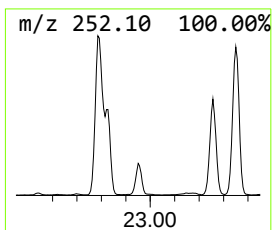
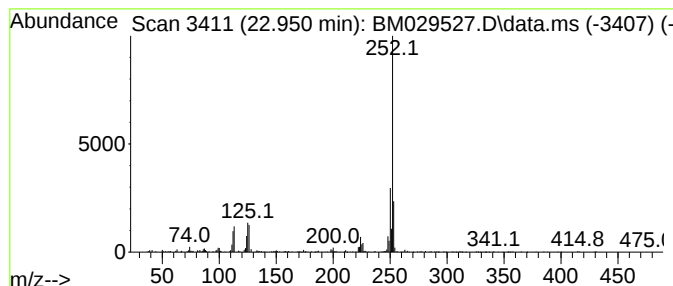
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.950	5.75 ng	410241	Perylene-d12	23.444

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2		Benzo[e]pyrene	252	C20H12	000192-97-2	94
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Perylene	252	C20H12	000198-55-0	91
5		Benzo[a]pyrene	252	C20H12	000050-32-8	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
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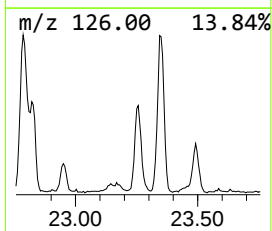
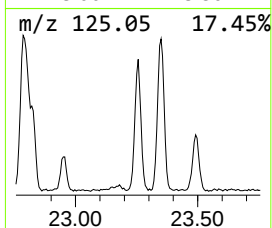
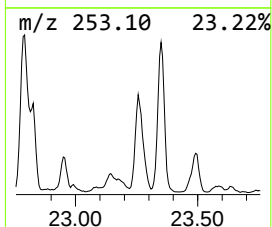
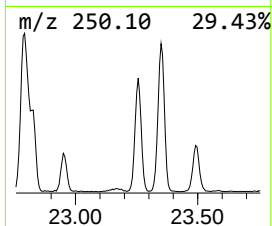
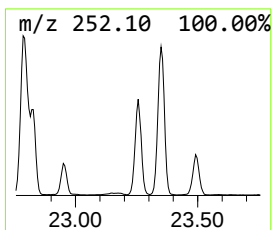
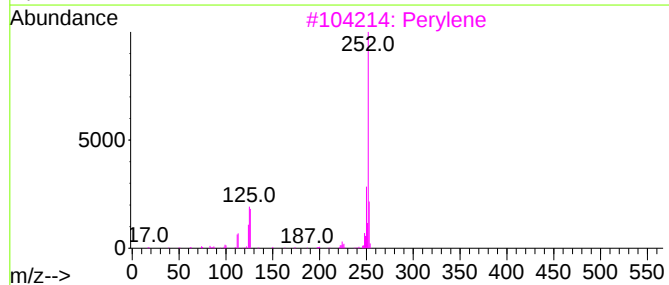
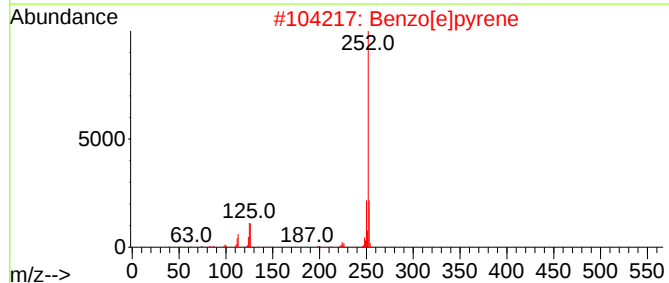
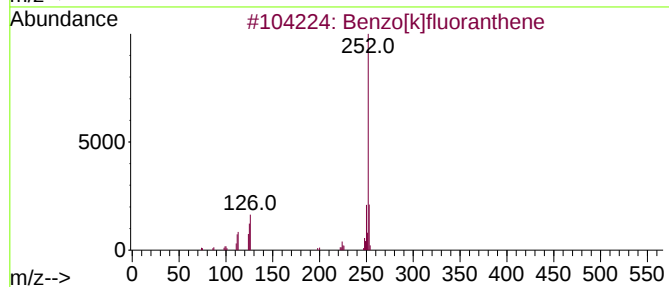
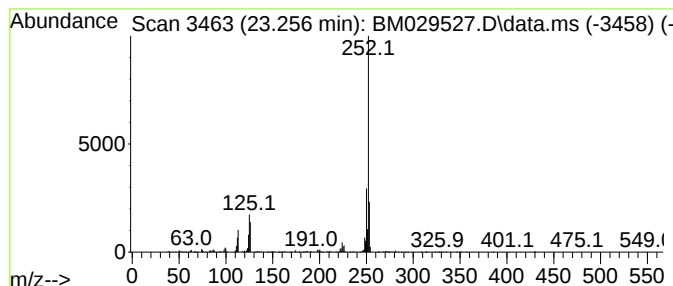
Instrument :
BNA_M
ClientSampleId :
TP-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
23.256	21.91 ng	1562080	Perylene-d12	23.444	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Perylene	252	C20H12	000198-55-0	98
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
5	Benzo[a]pyrene	252	C20H12	000050-32-8	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
 Data File : BM029527.D
 Acq On : 16 Apr 2021 18:21
 Operator : CG/JU
 Sample : M2050-07 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.922	14.0	ng	455527	1	7.675	650520	20.0
Naphtho[1,2-b]t...	16.874	2.4	ng	140741	4	17.057	1169040	20.0
Anthracene, 2-m...	17.927	4.5	ng	265652	4	17.057	1169040	20.0
Anthracene, 1-m...	17.974	9.0	ng	526052	4	17.057	1169040	20.0
1H-Cyclopropa[1...	18.057	2.8	ng	160841	4	17.057	1169040	20.0
4H-Cyclopenta[d...	18.121	9.1	ng	532944	4	17.057	1169040	20.0
Phenanthrene, 2...	18.157	2.9	ng	169514	4	17.057	1169040	20.0
6-Phenylbenzocy...	18.433	3.4	ng	196033	4	17.057	1169040	20.0
9,10-Anthracene...	18.468	2.8	ng	161963	4	17.057	1169040	20.0
Phenanthrene, 1...	18.851	3.7	ng	214898	4	17.057	1169040	20.0
Cyclopenta(def)...	18.992	3.0	ng	176538	4	17.057	1169040	20.0
Pyrene, 1-methyl-	19.803	2.0	ng	371380	5	21.239	3703870	20.0
11H-Benzo[b]flu...	19.974	2.4	ng	448797	5	21.239	3703870	20.0
.beta.-Carbolin...	20.962	3.5	ng	653549	5	21.239	3703870	20.0
Benzo[c]phenant...	21.392	2.2	ng	404501	5	21.239	3703870	20.0
Benzo[e]pyrene	22.950	5.8	ng	410241	6	23.444	1426030	20.0
Perylene	23.256	21.9	ng	1562080	6	23.444	1426030	20.0