LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008414.D
Acq On : 15 Dec 2021 13:33
Operator : CG/JU
Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

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_P\Methods\8270E-BP121421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008414.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.875	316	321	335	rVB	190647	288471	9.70%	0.840%
2	5.346	395	401	421	rBV	595654	1051012	35.33%	3.059%
3	5.946	498	503	512	rVB	21647	34827	1.17%	0.101%
4	6.940	665	672	703	rBV	547112	1114610	37.46%	3.244%
5	7.740	801	808	819	rBV	217442	370589	12.46%	1.079%
6	8.911	1000	1007	1030	rBV	345964	701174	23.57%	2.041%
7	10.540	1275	1284	1299	rBV	251297	488921	16.43%	1.423%
8	13.010	1697	1704	1723	rBV	895803	1414423	47.54%	4.117%
9	13.563	1791	1798	1807	rBV6	13864	37239	1.25%	0.108%
10	13.722	1818	1825	1830	rBV	31881	58525	1.97%	0.170%
11	13.775	1830	1834	1845	rVB	19148	32950	1.11%	0.096%
12	13.951	1856	1864	1868	rBV	25770	42234	1.42%	0.123%
13	14.393	1929	1939	1946	rBV	420234	656270	22.06%	1.910%
14	14.457	1946	1950	1959	rVB2	24389	42810	1.44%	0.125%
15	14.622	1971	1978	1985	rBV4	13263	32033	1.08%	0.093%
16	14.704	1985	1992	1998	rVB4	17893	34093	1.15%	0.099%
17	14.804	2002	2009	2016	rVB2	30093	56430	1.90%	0.164%
18	14.881	2016	2022	2028	rBV2	35727	52152	1.75%	0.152%
19	15.022	2039	2046	2051	rBV3	28877	53971	1.81%	0.157%
20	15.198	2068	2076	2078	rBV4	16980	37550	1.26%	0.109%
21	15.357	2095	2103	2111	rBV5	15011	37312	1.25%	0.109%
22	15.451	2114	2119	2123	rVV2	22891	34850	1.17%	0.101%
23	15.575	2137	2140	2144	rVB2	27387	38067	1.28%	0.111%
24	15.763	2164	2172	2177	rVB7	18437	55218	1.86%	0.161%
25	15.898	2186	2195	2216	rBV	717609	1250668	42.04%	3.641%
26	16.134	2230	2235	2242	rVB5	21622	43815	1.47%	0.128%
27	16.510	2296	2299	2305	rVB4	16799	30334	1.02%	0.088%
28	16.828	2347	2353	2357	rBV2	39158	62439	2.10%	0.182%
29	16.892	2359	2364	2367	rBV5	16771	30204	1.02%	0.088%
30	16.975	2374	2378	2386	rVB	73460	114960	3.86%	0.335%
31	17.157	2403	2409	2413	rBV	546416	820681	27.58%	2.389%
32	17.198	2413	2416	2423	rVV	615825	874761	29.40%	2.546%
33	17.292	2427	2432	2438	rVB	118430	182042	6.12%	0.530%
34	17.681	2494	2498	2502	rVB	66685	83948	2.82%	0.244%
35	17.745	2504	2509	2518	rVB2	88641	143641	4.83%	0.418%
36	17.887	2528	2533	2539	rVB	39343	75452	2.54%	0.220%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008414.D
Acq On : 15 Dec 2021 13:33
Operator : CG/JU
Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

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_P\Methods\8270E-BP121421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.963	2543	2546	2551	rVV4	24029	38470	1.29%	0.112%
38	18.034	2553	2558	2561	rVV	219996	319966	10.75%	0.931%
39	18.081	2561	2566	2572	rVB	291219	435223	14.63%	1.267%
40	18.157	2575	2579	2583	rVV	62864	85789	2.88%	0.250%
41	18.216	2583	2589	2593	rVV3	378696	640625	21.53%	1.865%
42	18.257	2593	2596	2601	rVB	302839	375730	12.63%	1.094%
43	18.339	2606	2610	2615	rBV5	40181	73948	2.49%	0.215%
44	18.422	2620	2624	2627	rBV	48280	59262	1.99%	0.173%
45	18.516	2636	2640	2645	rBV	145298	208971	7.02%	0.608%
46	18.575	2645	2650	2657	rVB2	122257	214635	7.21%	0.625%
47	18.639	2657	2661	2665	rBV	29908	44505	1.50%	0.130%
48	18.734	2673	2677	2678	rBV	40904	50611	1.70%	0.147%
49	18.757	2678	2681	2684	rVV	86723	119828	4.03%	0.349%
50	18.810	2686	2690	2693	rVV	88837	125163	4.21%	0.364%
51	18.845	2693	2696	2700	rVB2	62040	77716	2.61%	0.226%
52	18.928	2705	2710	2714	rBV	235200	354296	11.91%	1.031%
53	18.981	2714	2719	2723	rVV4	92692	204355	6.87%	0.595%
54	19.016	2723	2725	2728	rVB	72661	71742	2.41%	0.209%
55	19.069	2729	2734	2740	rBV2	243586	383127	12.88%	1.115%
56	19.181	2746	2753	2759	rBV	1256267	1636067	54.99%	4.762%
57	19.245	2760	2764	2767	rVV	75043	109531	3.68%	0.319%
58	19.275	2767	2769	2780	rVB4	86458	147456	4.96%	0.429%
59	19.392	2785	2789	2791	rVV	61889	94268	3.17%	0.274%
60	19.416	2791	2793	2797	rVV	84563	117095	3.94%	0.341%
61	19.451	2797	2799	2803	rVV3	43812	48300	1.62%	0.141%
62	19.533	2805	2813	2822	rVV	2092835	2975156	100.00%	8.660%
63	19.610	2822	2826	2832	rVB2	84302	127027	4.27%	0.370%
64	19.733	2841	2847	2851	rBV	1878556	2280519	76.65%	6.638%
65	19.769	2851	2853	2859	rVB3	62156	77719	2.61%	0.226%
66	19.857	2862	2868	2877	rBV5	190165	472044	15.87%	1.374%
67	19.939	2879	2882	2886	rBV3	29239	34545	1.16%	0.101%
68	19.992	2886	2891	2893	rBV6	173549	293651	9.87%	0.855%
69	20.092	2905	2908	2910	rBV3	39970	45668	1.53%	0.133%
70	20.122	2911	2913	2916	rVB3	37510	40767	1.37%	0.119%
71	20.175	2918	2922	2927	rBV	298896	401407	13.49%	1.168%
72	20.310	2941	2945	2949	rBV	234725	306699	10.31%	0.893%
73	20.357	2949	2953	2957	rVV	281758	356360	11.98%	1.037%
74	20.410	2957	2962	2966	rVB	333108	411690	13.84%	1.198%
75	20.522	2978	2981	2985	rVB6	46293	55497	1.87%	0.162%
76	20.763	3017	3022	3027	rVB	275243	347488	11.68%	1.011%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008414.D
Acq On : 15 Dec 2021 13:33
Operator : CG/JU
Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

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_P\Methods\8270E-BP121421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.916	3044	3048	3051	rBV2	216665	279790	9.40%	0.814%
78	20.951	3051	3054	3057	rBV	167629	174225	5.86%	0.507%
79	21.057	3069	3072	3077	rVB	156760	205294	6.90%	0.598%
80	21.257	3100	3106	3111	rBV2	1163207	2465692	82.88%	7.177%
81	21.304	3111	3114	3118	rVB	857718	1058123	35.57%	3.080%
82	21.380	3123	3127	3142	rVV	975106	1480089	49.75%	4.308%
83	21.839	3201	3205	3209	rBV	212108	271430	9.12%	0.790%
84	21.892	3211	3214	3220	rVB	125774	170136	5.72%	0.495%
85	22.045	3237	3240	3250	rVB2	137649	289460	9.73%	0.843%
86	22.922	3383	3389	3394	rBV	390156	957808	32.19%	2.788%
87	23.427	3470	3475	3484	rVB	273642	535829	18.01%	1.560%
88	23.533	3487	3493	3499	rVB	347859	682316	22.93%	1.986%
89	23.633	3504	3510	3516	rBV2	541115	1042460	35.04%	3.034%

Sum of corrected areas: 34354244

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008414.D
Acq On : 15 Dec 2021 13:33
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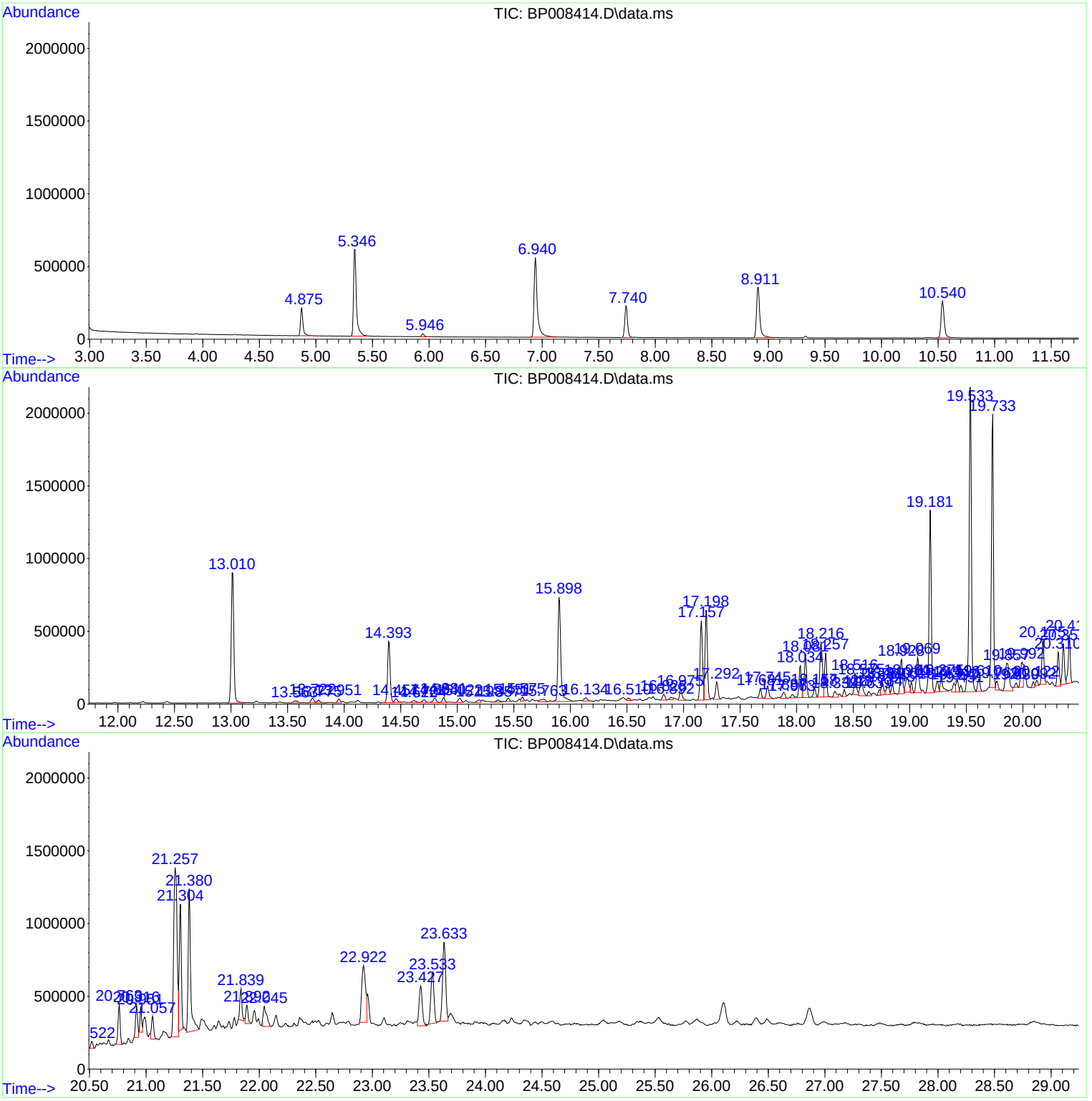
Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008414.D
Acq On : 15 Dec 2021 13:33
Operator : CG/JU
Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

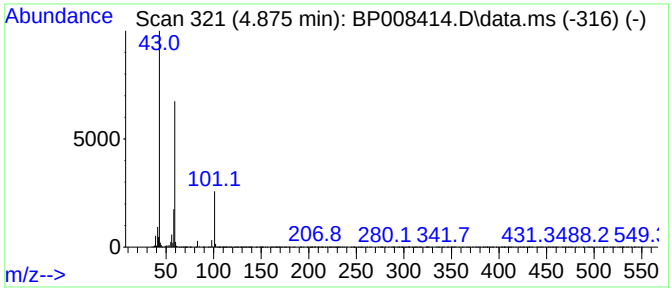
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

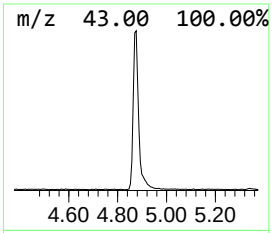
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

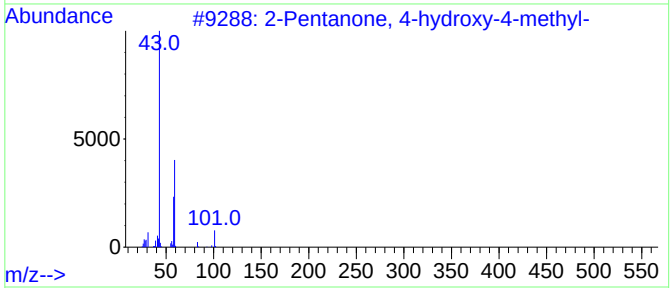
****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

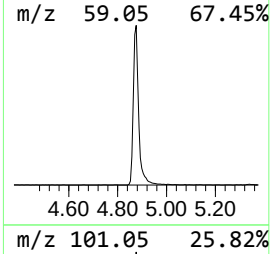
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.875	15.57 ng	288471	1,4-Dichlorobenzene-d4	7.740

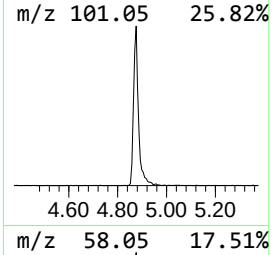
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Succinic acid, heptyl 2-methoxye...	274	C14H26O5	1000325-80-7	28
3	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9

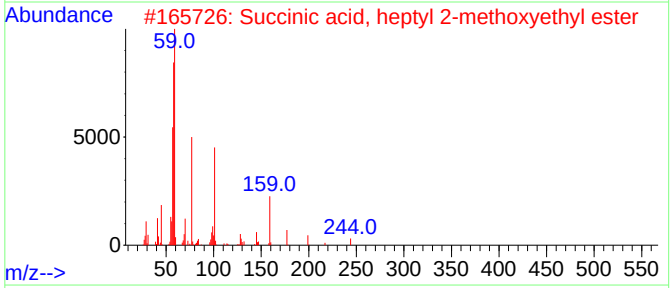


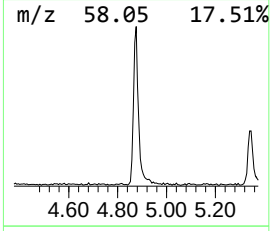


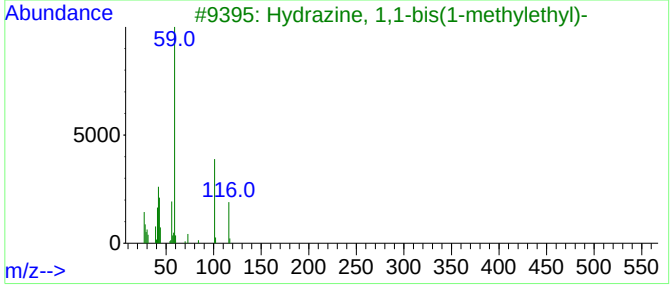


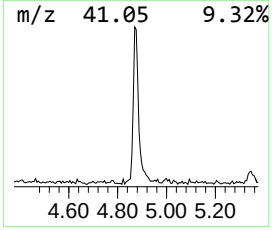












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008414.D
Acq On : 15 Dec 2021 13:33
Operator : CG/JU
Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

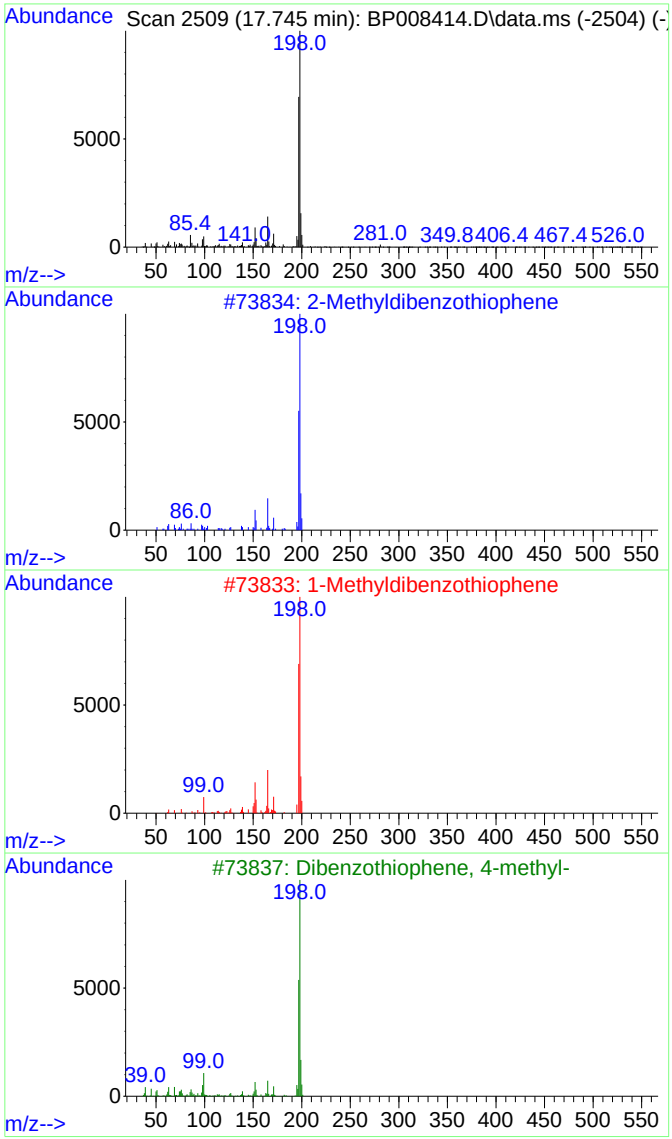
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

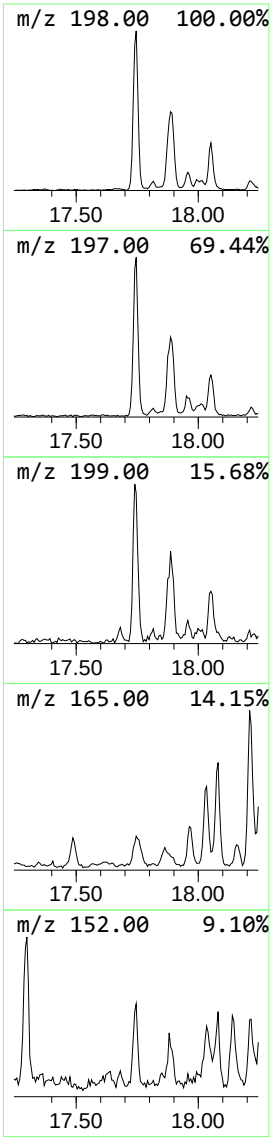
****

Peak Number 2 2-Methyldibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.745	3.50 ng	143641	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	95
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008414.D
Acq On : 15 Dec 2021 13:33
Operator : CG/JU
Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

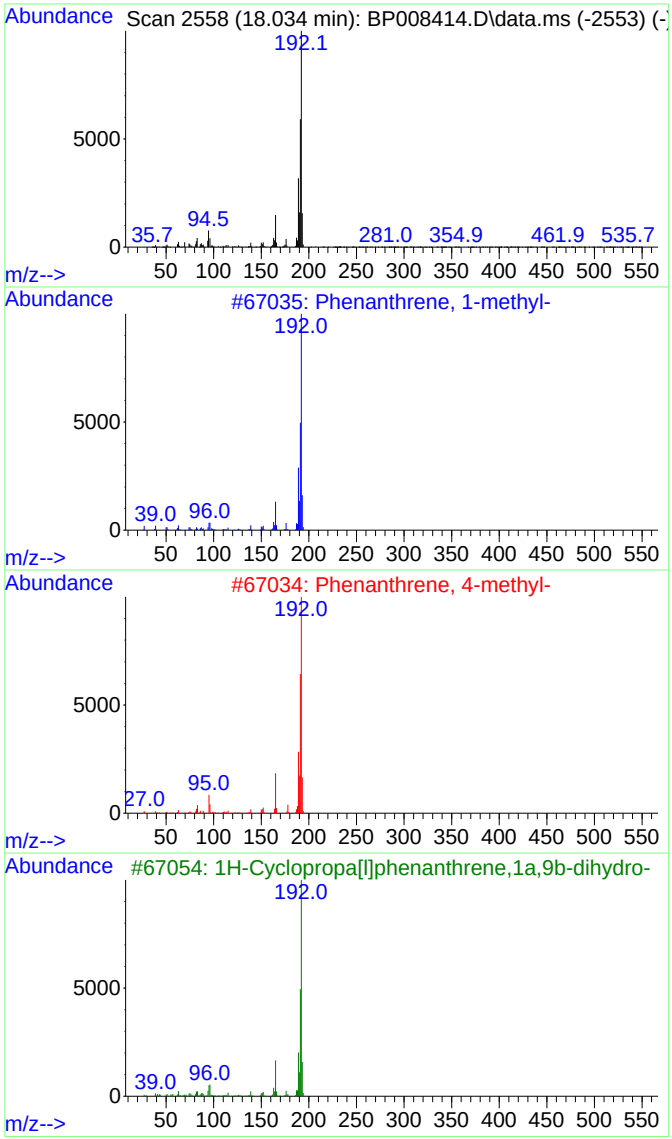
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

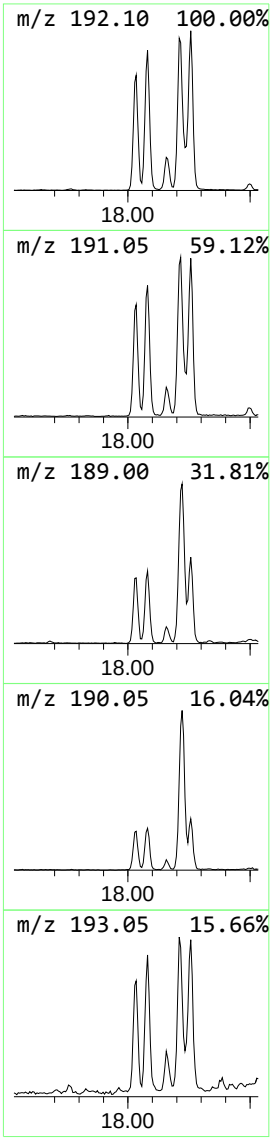
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.034	7.80 ng	319966	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008414.D
Acq On : 15 Dec 2021 13:33
Operator : CG/JU
Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

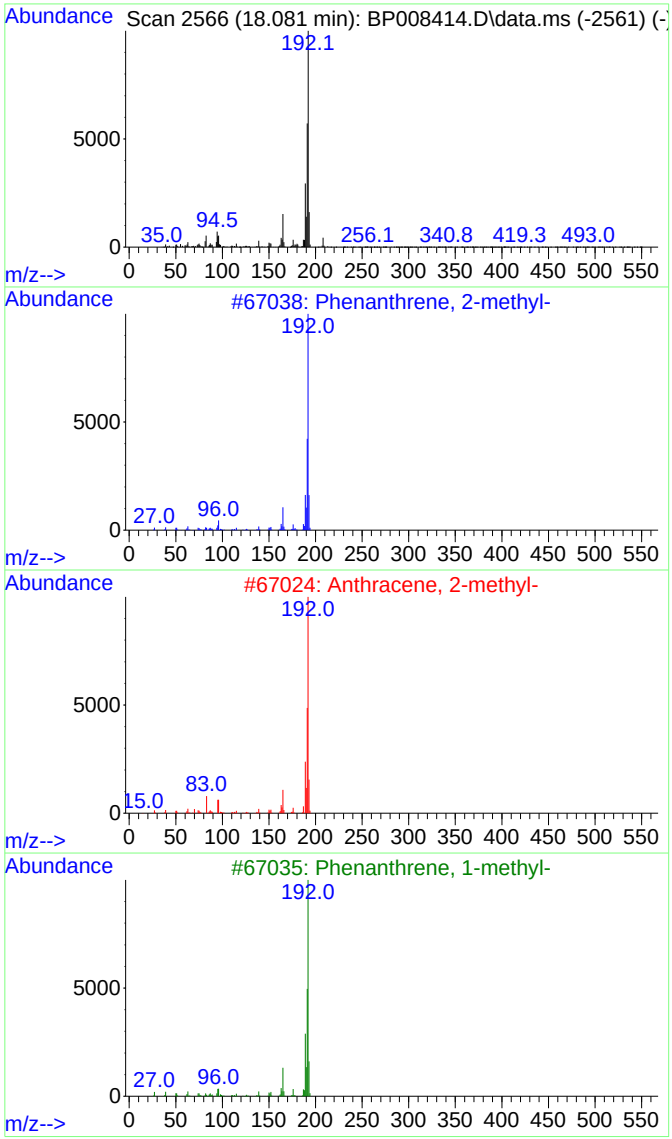
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

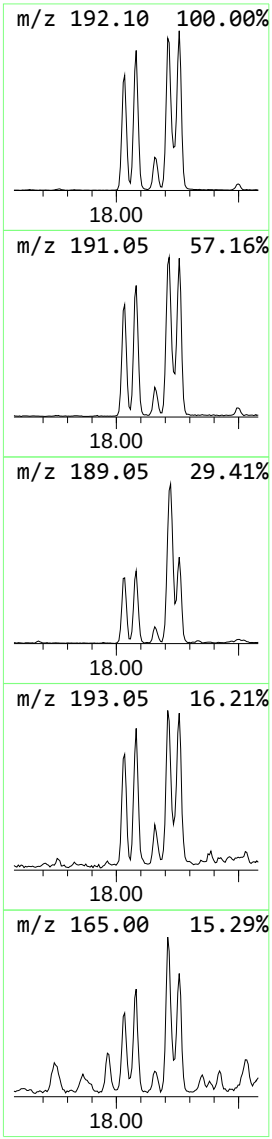
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.081	10.61 ng	435223	Phenanthrene-d10	17.157

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





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Acq On : 15 Dec 2021 13:33
Operator : CG/JU
Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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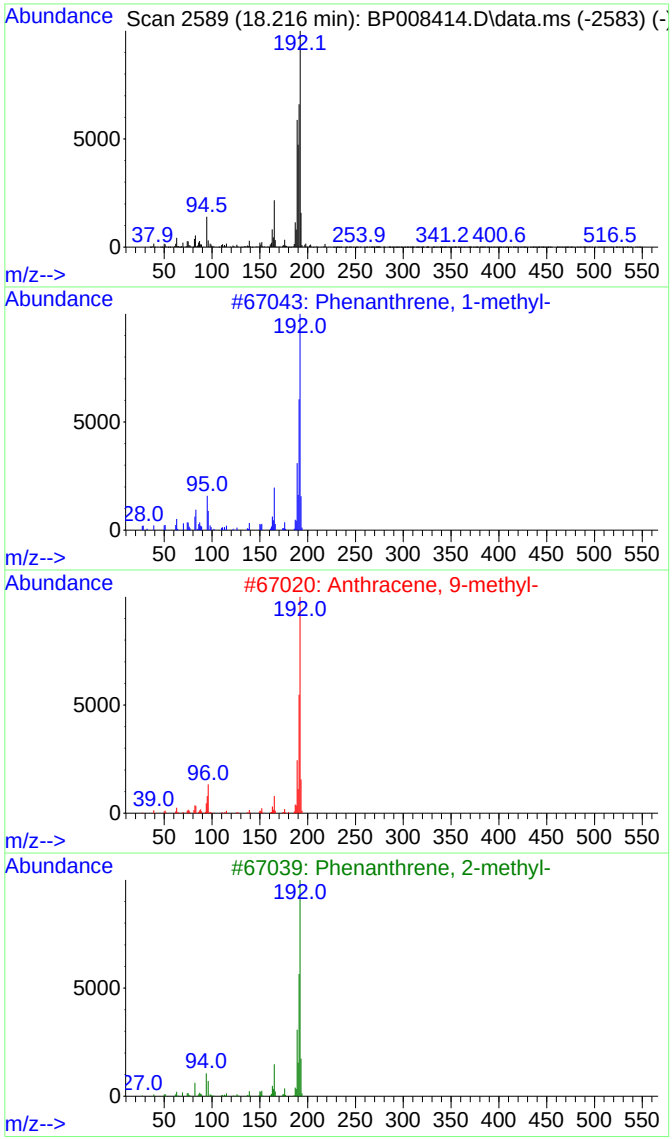
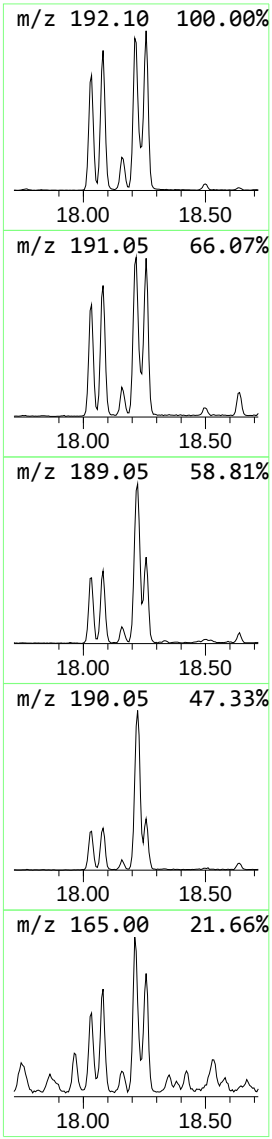
Peak Number 5 Anthracene, 9-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.216	15.61 ng	640625	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60





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ALS Vial : 7 Sample Multiplier: 1

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

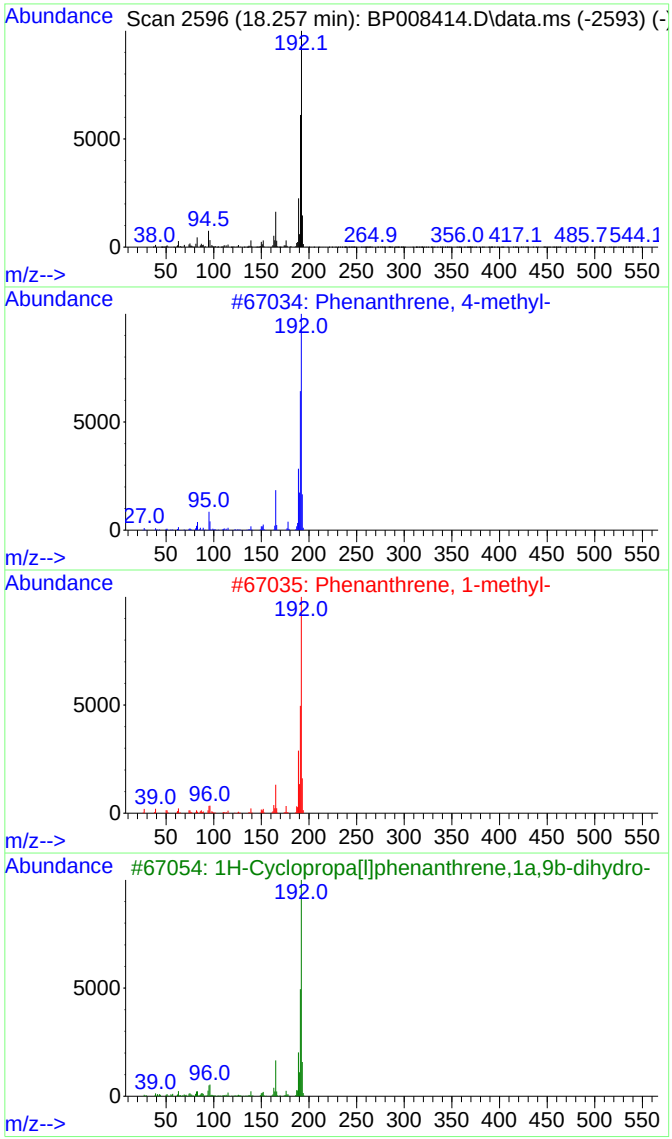
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

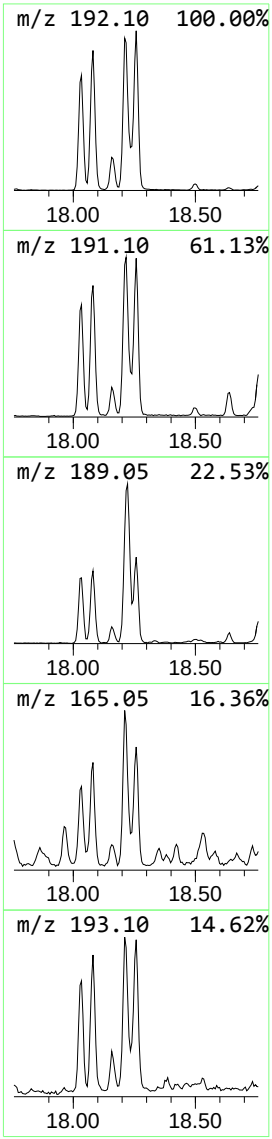
****

Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.257	9.16 ng	375730	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-19-C

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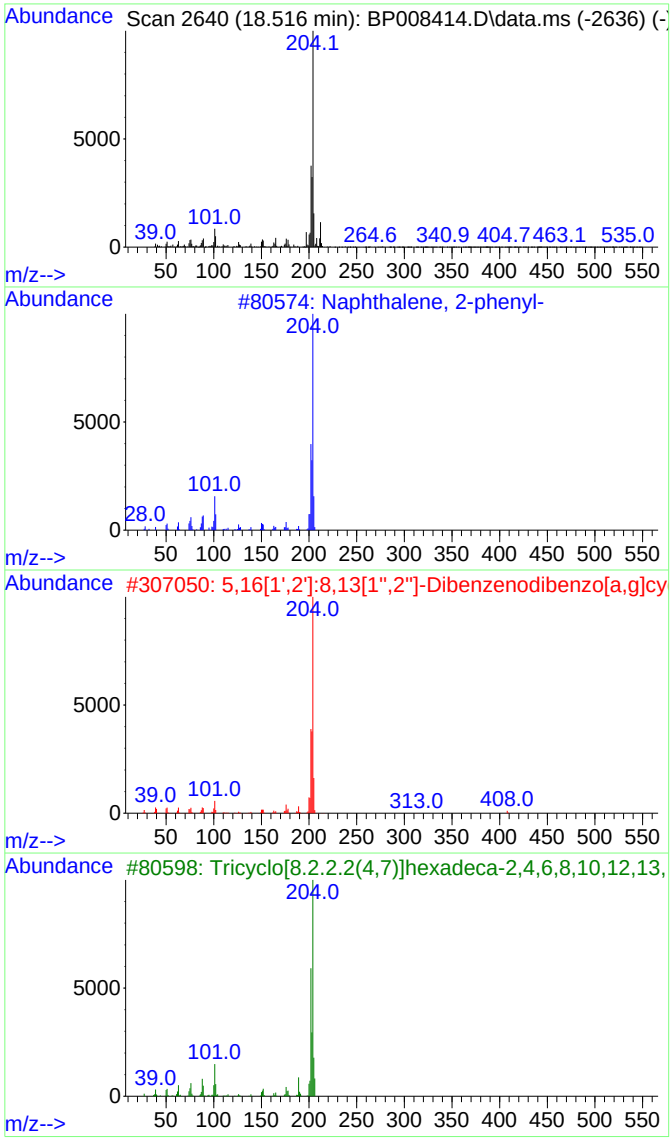
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

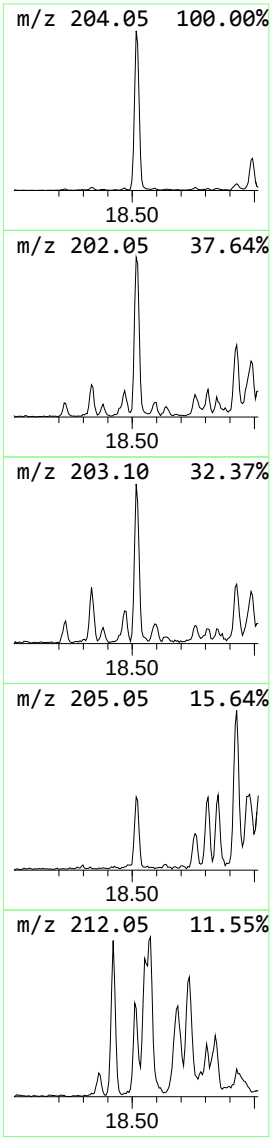
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.516	5.09 ng	208971	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	49





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ALS Vial : 7 Sample Multiplier: 1

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

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

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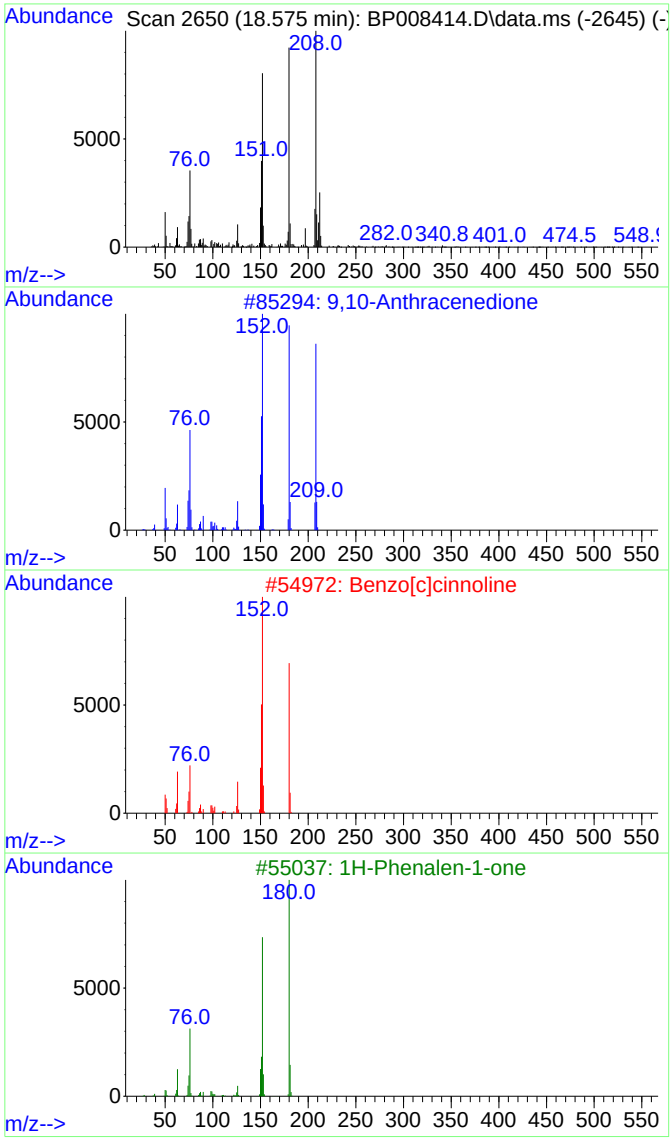
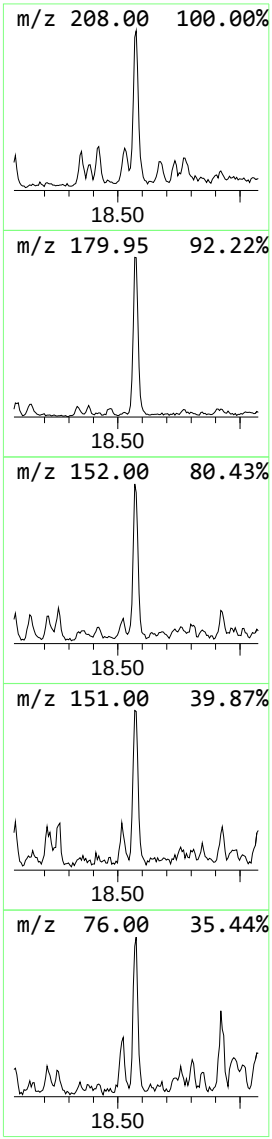
Peak Number 8 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.575	5.23 ng	214635	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	53
5	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	52





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ALS Vial : 7 Sample Multiplier: 1

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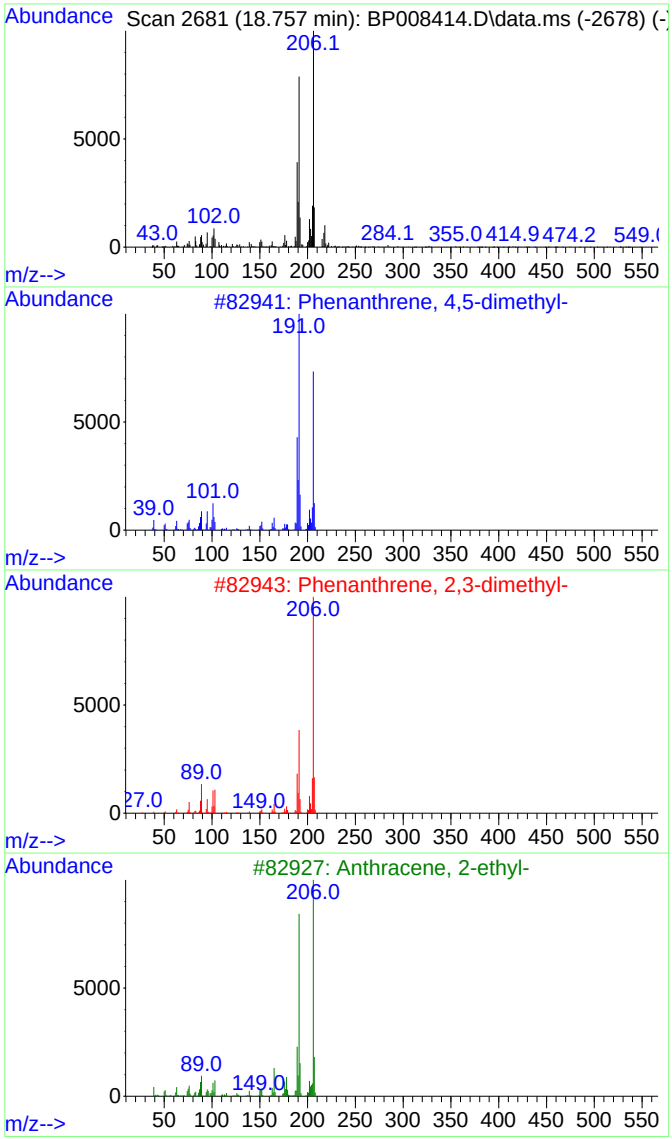
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

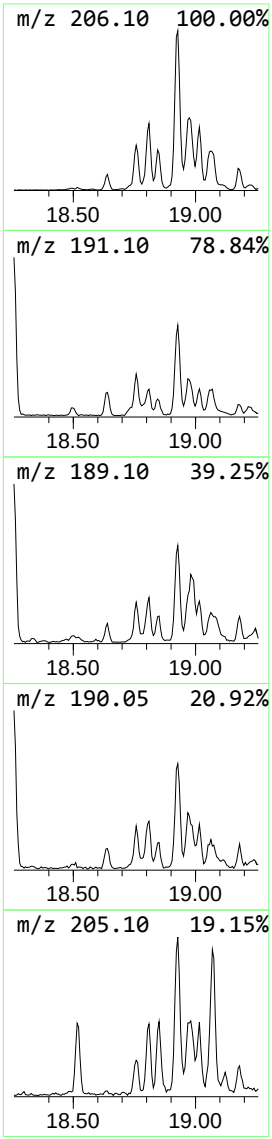
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.757	2.92 ng	119828	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	76





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Misc :
ALS Vial : 7 Sample Multiplier: 1

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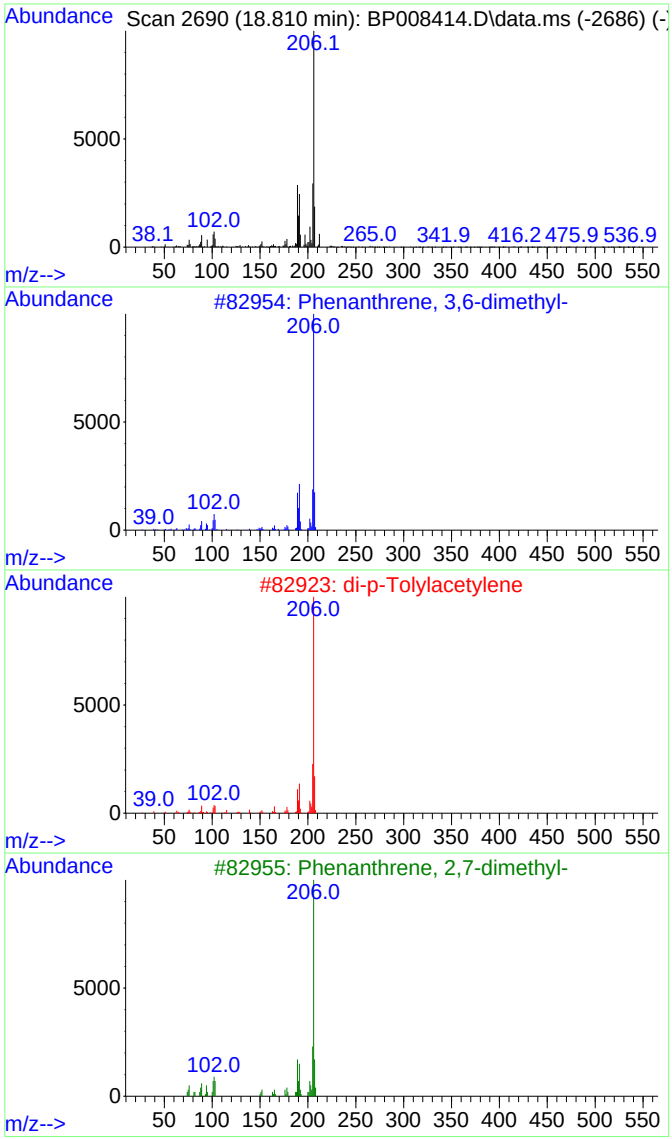
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

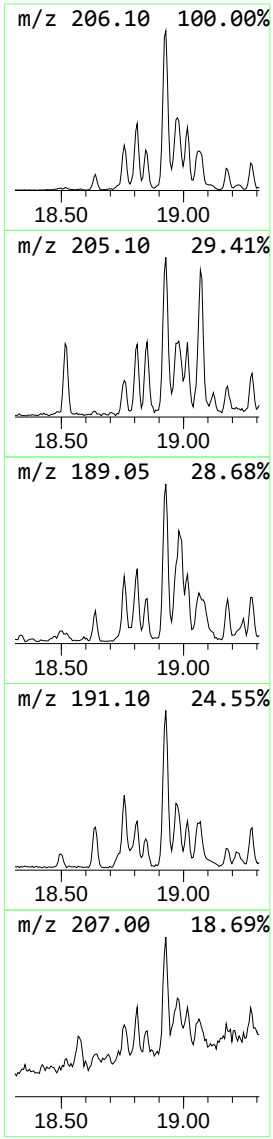
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.810	3.05 ng	125163	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	74





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Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-19-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.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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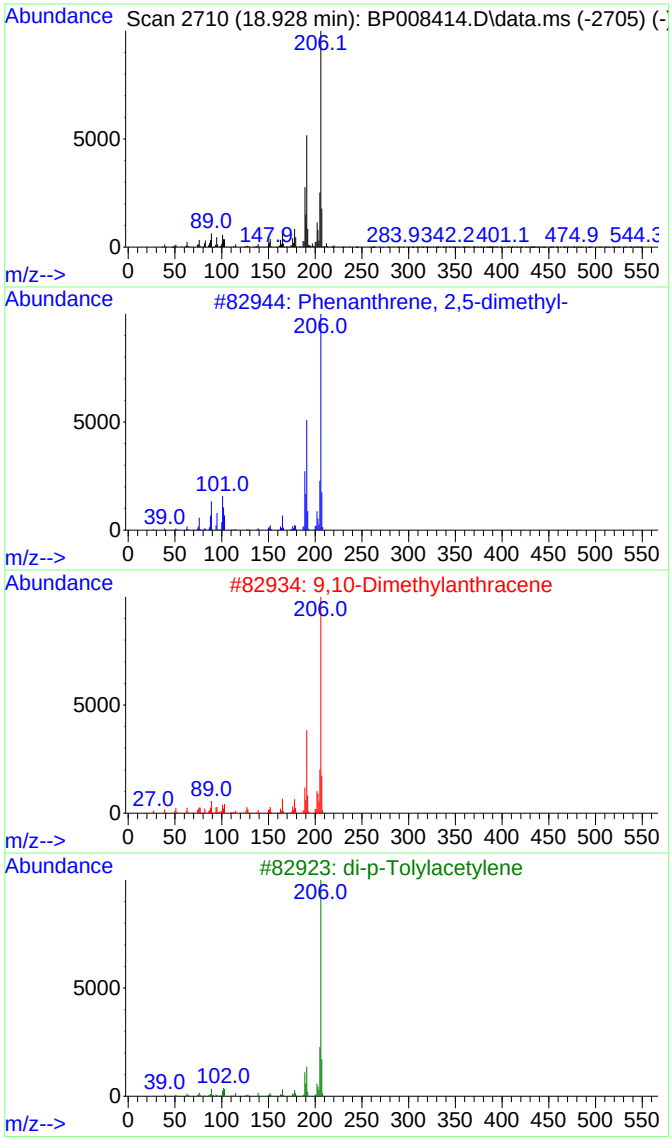
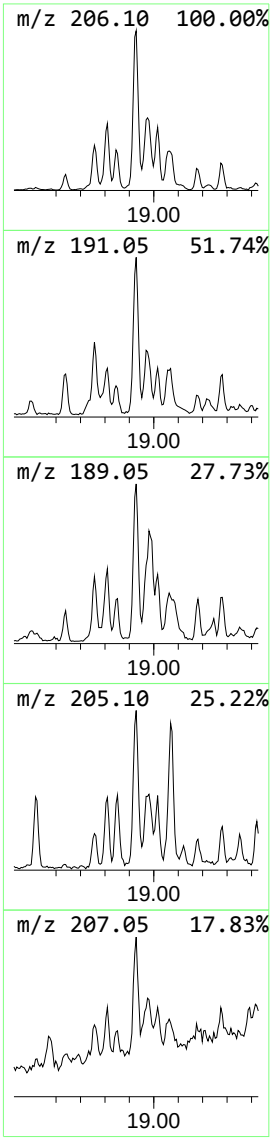
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.928	8.63 ng	354296	Phenanthrene-d10	17.157

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	89
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

TIC Library : C:\Database\NIST20.L
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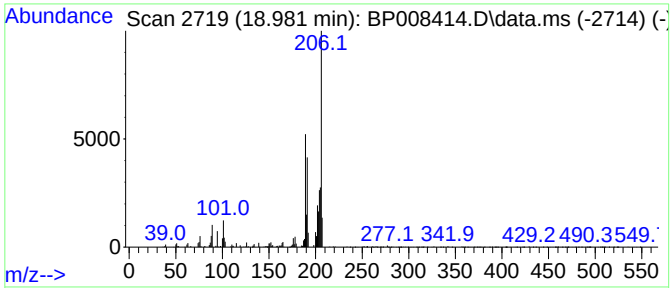
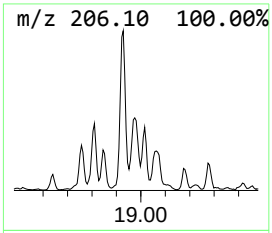
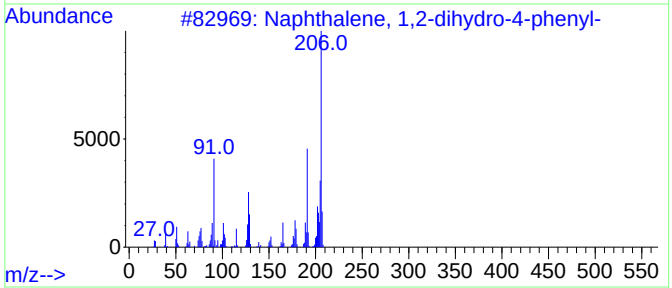
****
Peak Number 12 Naphthalene, 1,2-dihydro-4-... Concentration Rank 12

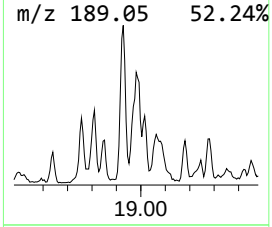
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.981	4.98 ng	204355	Phenanthrene-d10	17.157

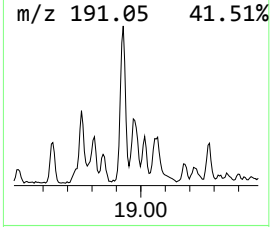
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	70
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	68
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	64
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	62

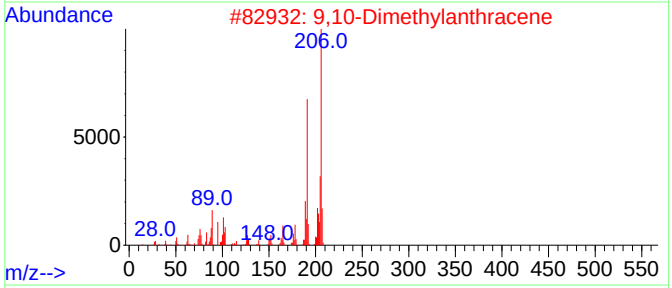


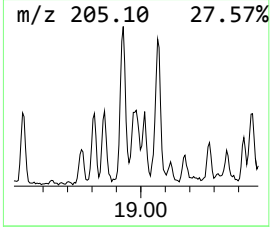


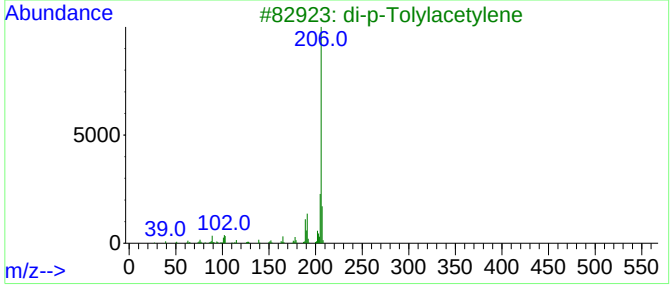


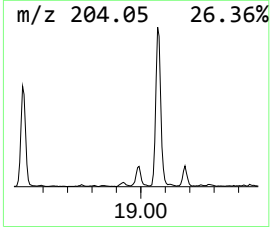












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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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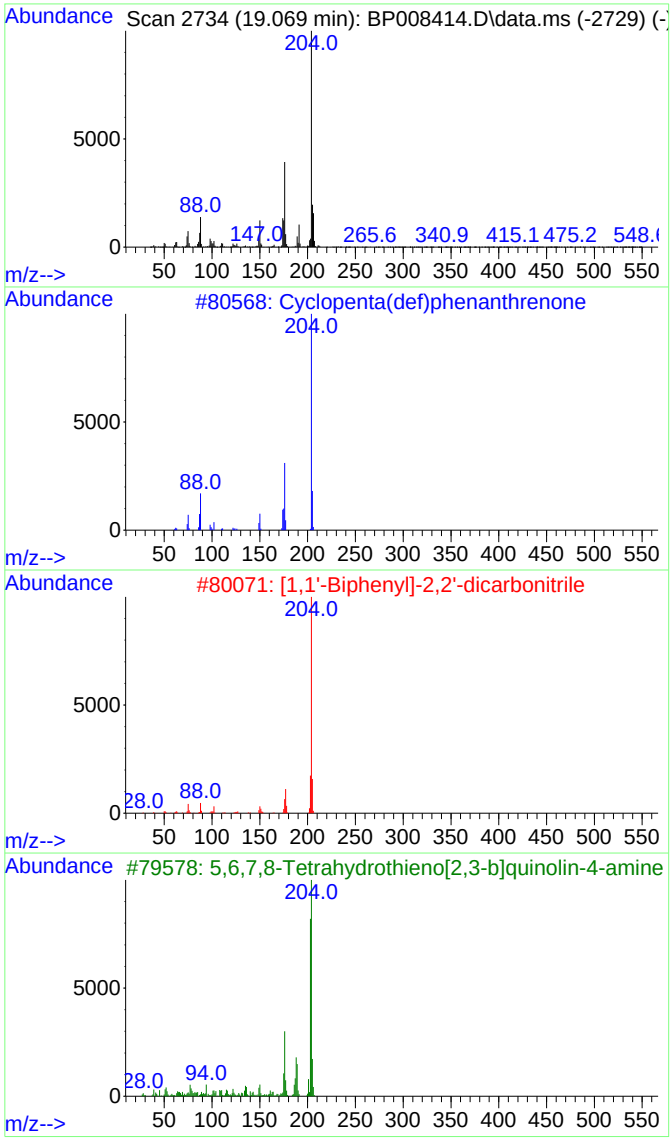
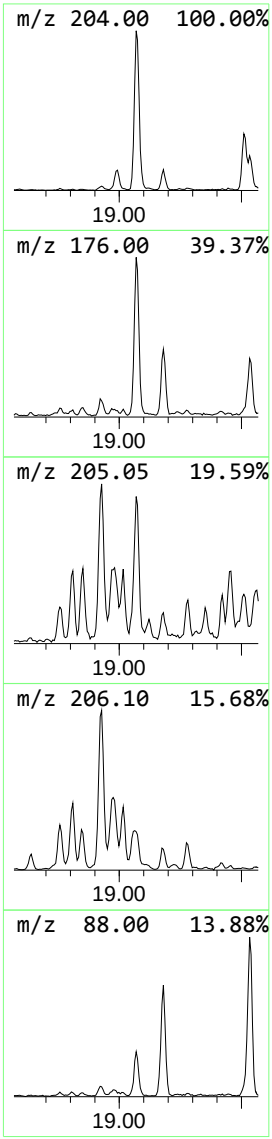
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.069	9.34 ng	383127	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43





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Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.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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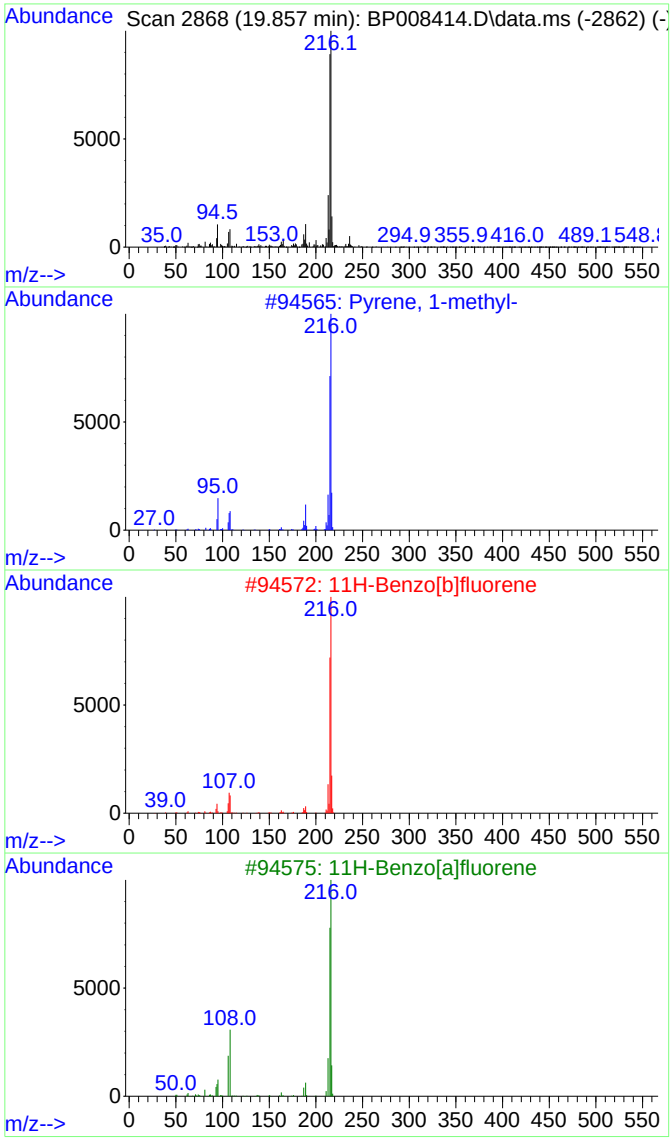
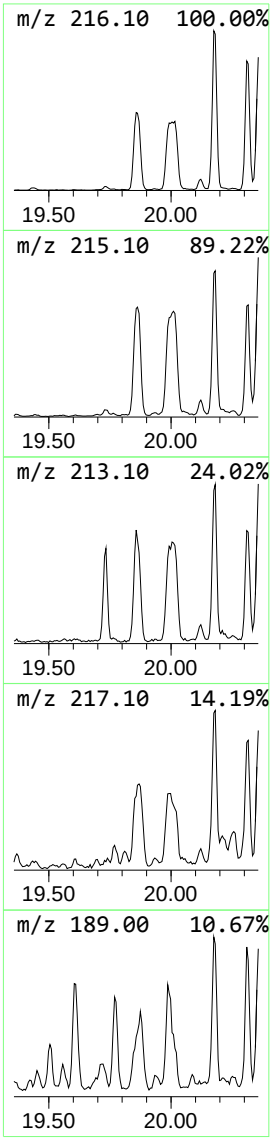
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.857	3.83 ng	472044	Chrysene-d12	21.269

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	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Acq On : 15 Dec 2021 13:33
Operator : CG/JU
Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.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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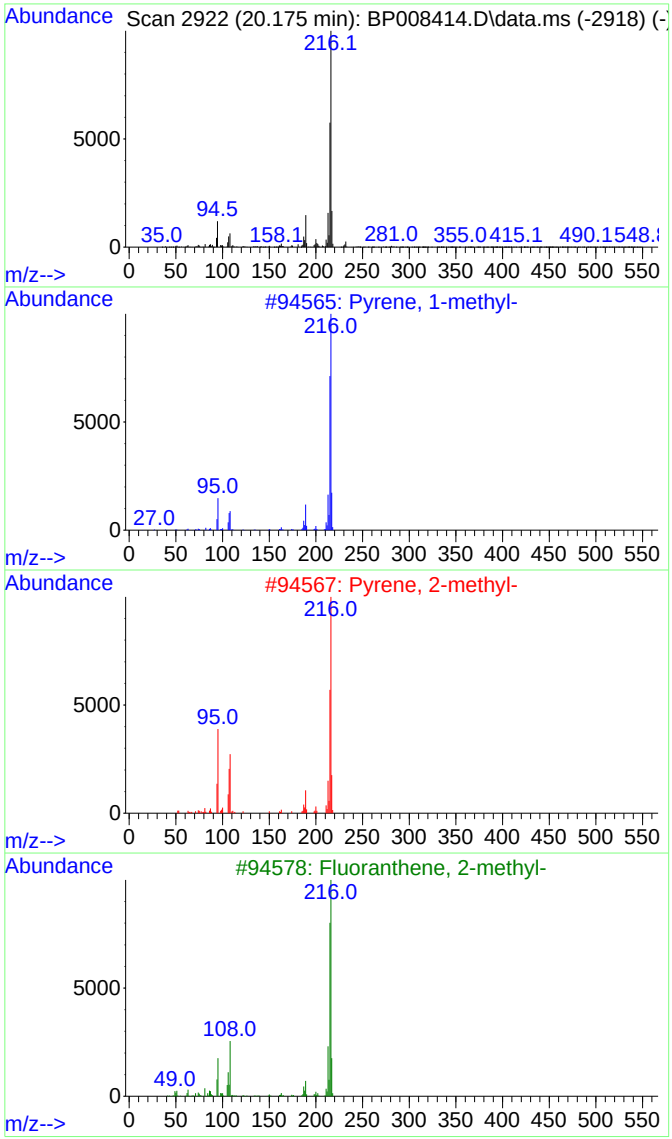
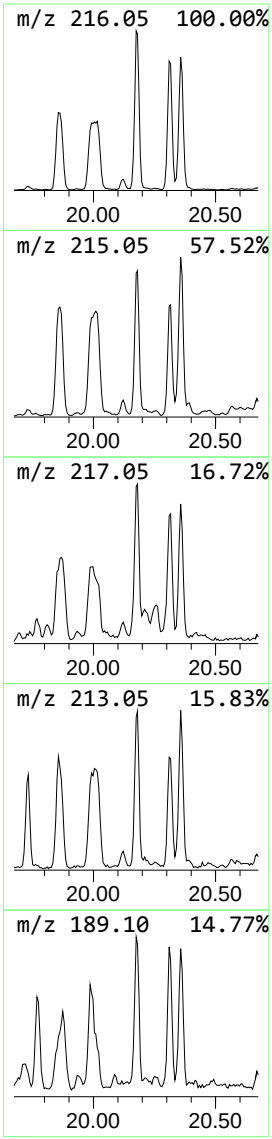
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.175	3.26 ng	401407	Chrysene-d12	21.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90





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Operator : CG/JU
Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.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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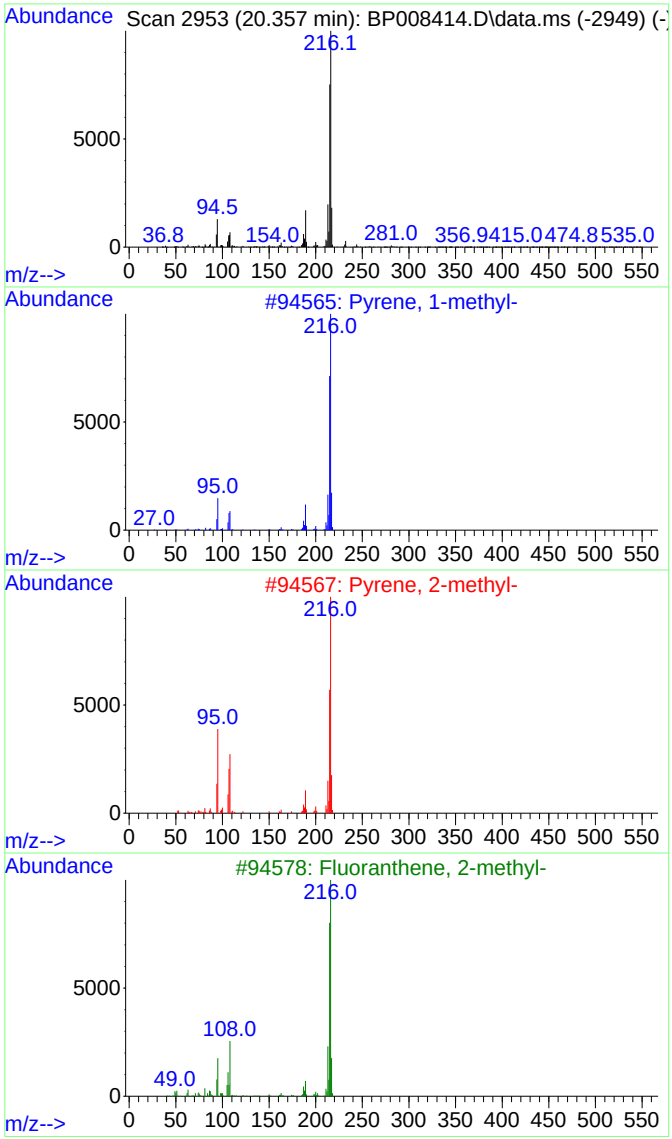
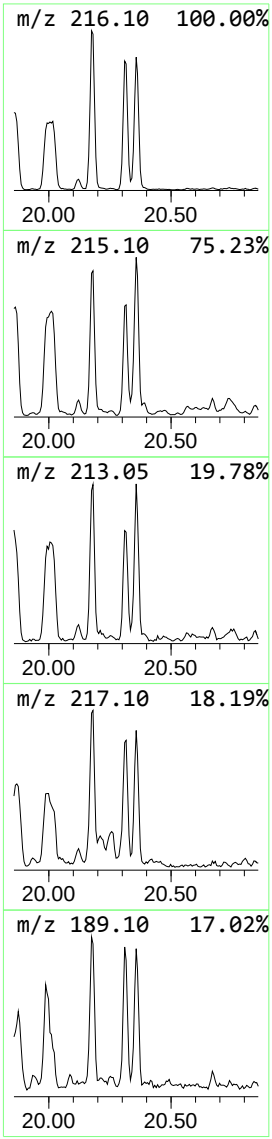
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.357	2.89 ng	356360	Chrysene-d12	21.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.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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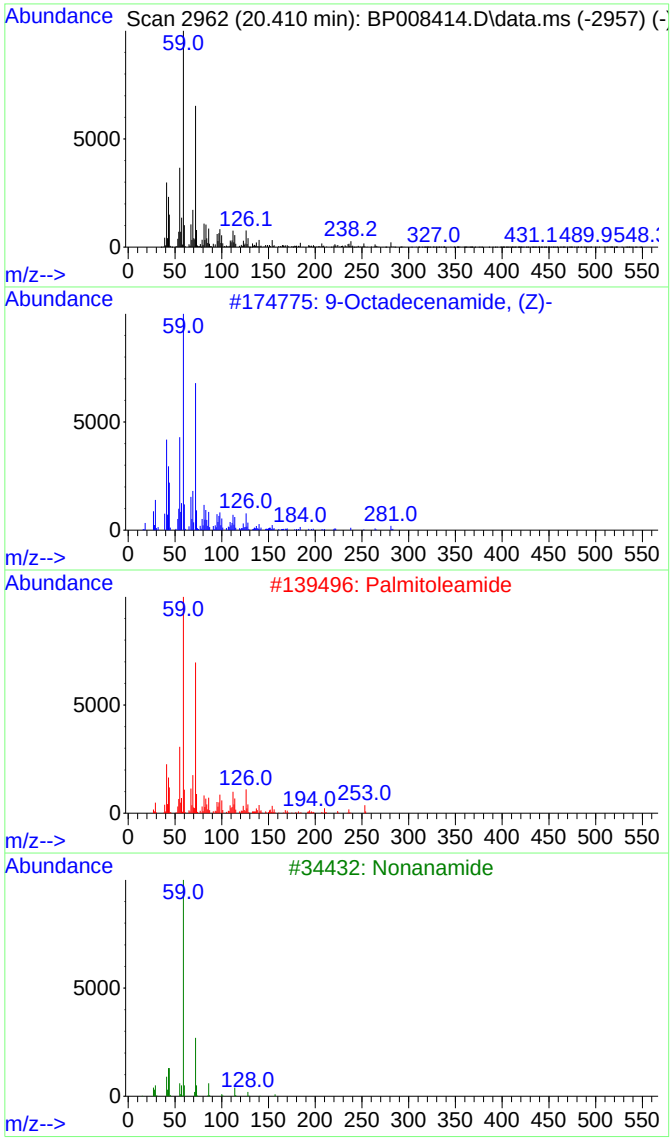
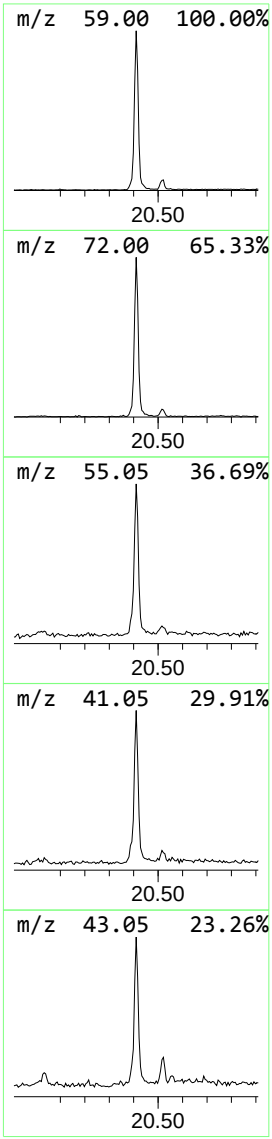
Peak Number 17 9-Octadecenamide, (Z)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.410	3.34 ng	411690	Chrysene-d12	21.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	99
2	Palmitoleamide	253	C16H31NO	106010-22-4	60
3	Nonanamide	157	C9H19NO	001120-07-6	59
4	Octanamide	143	C8H17NO	000629-01-6	59
5	Dodecanamide	199	C12H25NO	001120-16-7	59





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Acq On : 15 Dec 2021 13:33
Operator : CG/JU
Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.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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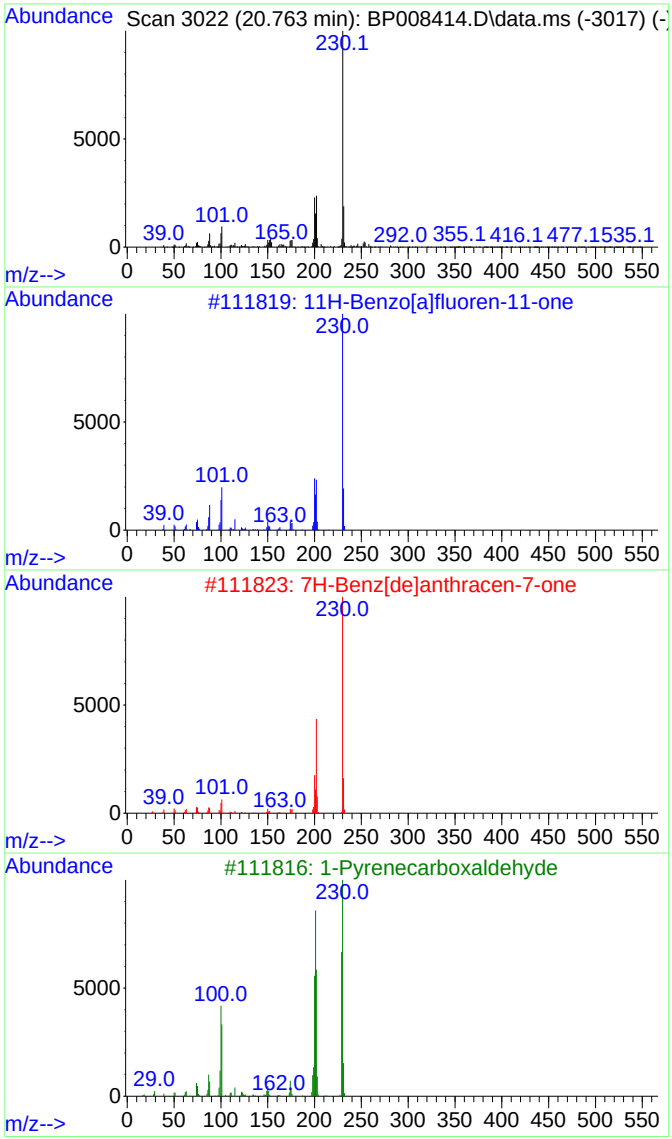
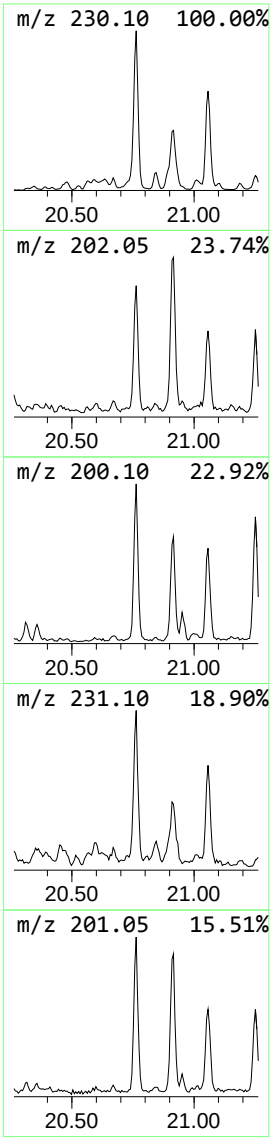
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.763	2.82 ng	347488	Chrysene-d12	21.269

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	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	68
5	o-Terphenyl	230	C18H14	000084-15-1	52





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Operator : CG/JU
Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.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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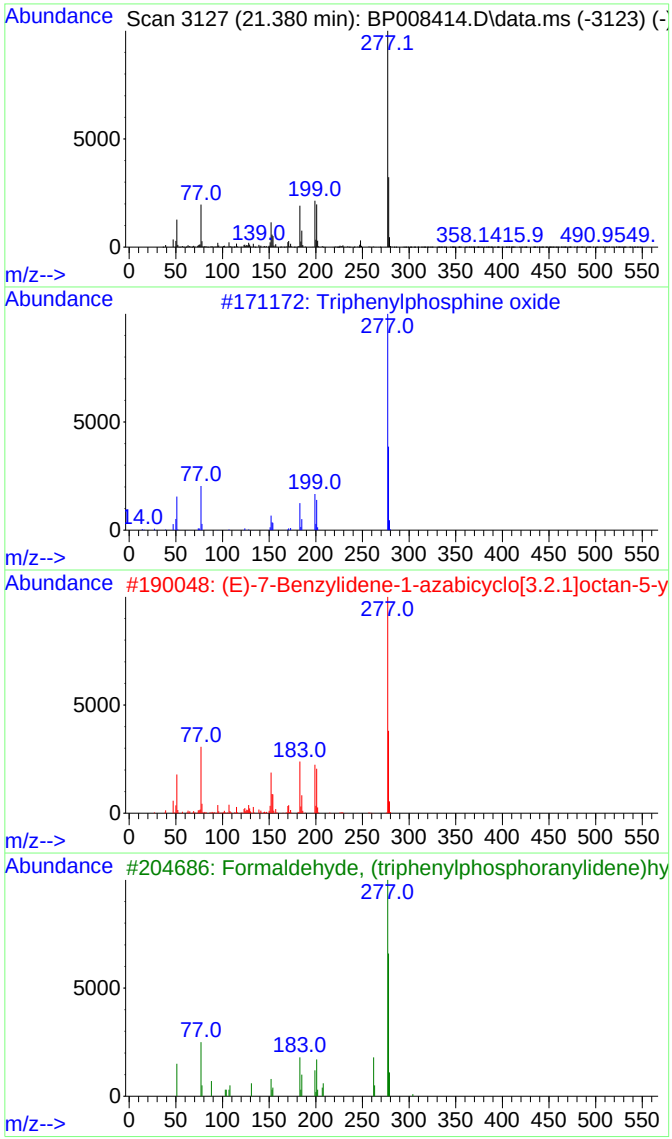
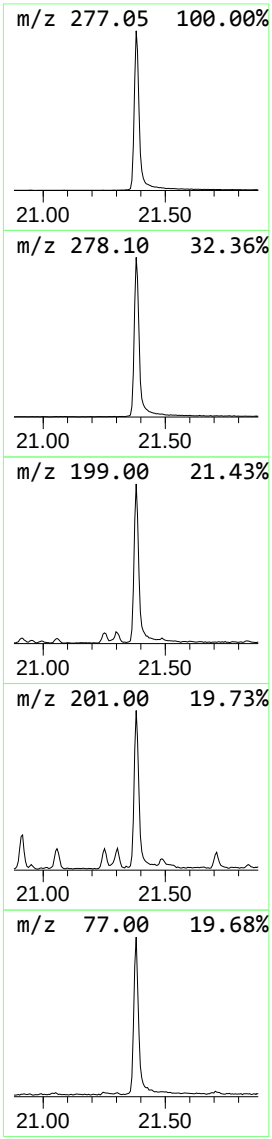
Peak Number 19 Triphenylphosphine oxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.381	12.01 ng	1480090	Chrysene-d12	21.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	97
2	(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19NO3S	1000483-83-4	80
3	Formaldehyde, (triphenylphosphor...	304	C19H17N2P	015990-54-2	45
4	5-Methyl-8-phenylfuro[3',2':5,6]...	277	C16H11N3O2	1000460-07-9	38
5	Vanadium, cycloheptatrienyl-(pen...	277	C17H22V	1000155-20-5	23





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Data File : BP008414.D
Acq On : 15 Dec 2021 13:33
Operator : CG/JU
Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.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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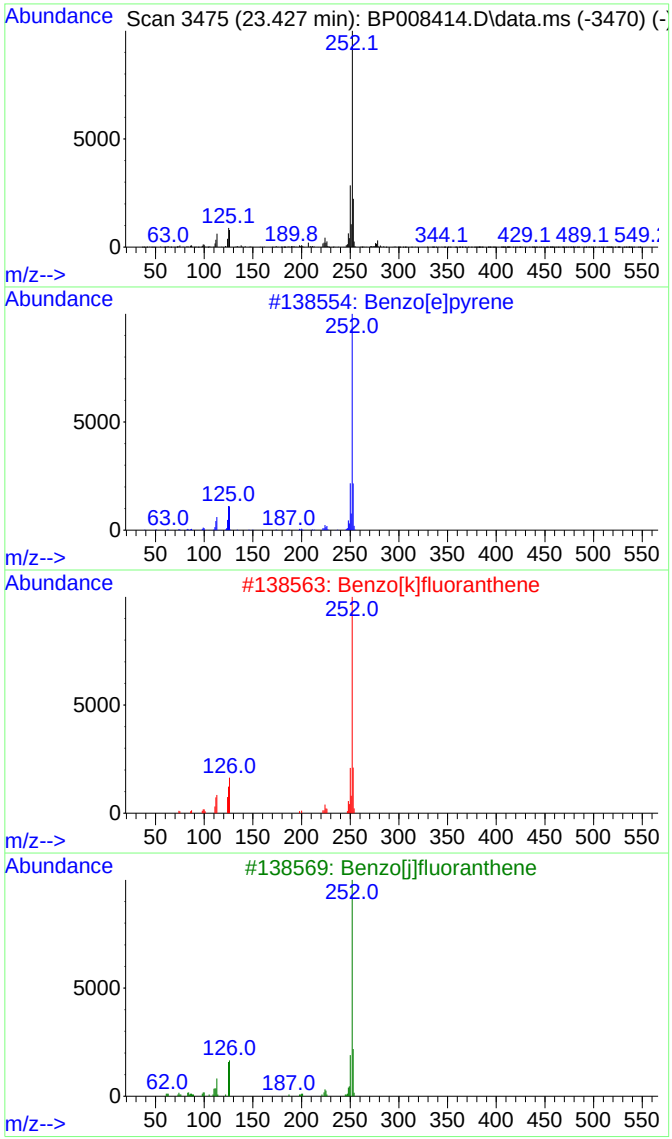
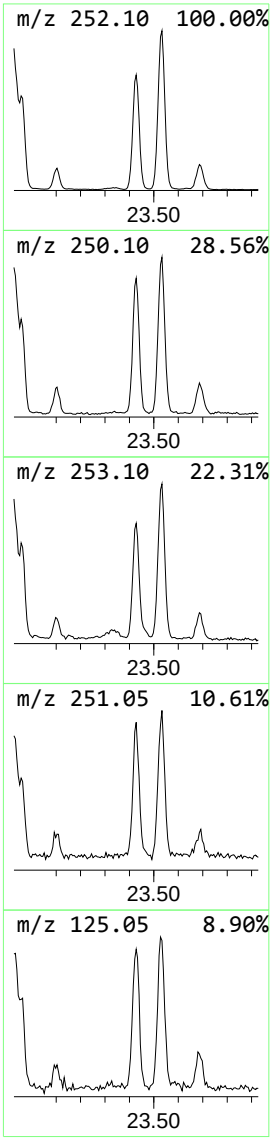
Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.427	10.28 ng	535829	Perylene-d12	23.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008414.D
Acq On : 15 Dec 2021 13:33
Operator : CG/JU
Sample : M5076-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-19-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.875	15.6	ng	288471	1	7.740	370589	20.0
2-Methyldibenzo...	17.745	3.5	ng	143641	4	17.157	820681	20.0
Phenanthrene, 1...	18.034	7.8	ng	319966	4	17.157	820681	20.0
Phenanthrene, 2...	18.081	10.6	ng	435223	4	17.157	820681	20.0
Anthracene, 9-m...	18.216	15.6	ng	640625	4	17.157	820681	20.0
Phenanthrene, 4...	18.257	9.2	ng	375730	4	17.157	820681	20.0
Naphthalene, 2-...	18.516	5.1	ng	208971	4	17.157	820681	20.0
9,10-Anthracene...	18.575	5.2	ng	214635	4	17.157	820681	20.0
Phenanthrene, 4...	18.757	2.9	ng	119828	4	17.157	820681	20.0
Phenanthrene, 3...	18.810	3.0	ng	125163	4	17.157	820681	20.0
Phenanthrene, 2...	18.928	8.6	ng	354296	4	17.157	820681	20.0
Naphthalene, 1,...	18.981	5.0	ng	204355	4	17.157	820681	20.0
Cyclopenta(def)...	19.069	9.3	ng	383127	4	17.157	820681	20.0
11H-Benzo[b]flu...	19.857	3.8	ng	472044	5	21.269	2465690	20.0
Pyrene, 1-methyl-	20.175	3.3	ng	401407	5	21.269	2465690	20.0
Pyrene, 2-methyl-	20.357	2.9	ng	356360	5	21.269	2465690	20.0
9-Octadecenamid...	20.410	3.3	ng	411690	5	21.269	2465690	20.0
11H-Benzo[a]flu...	20.763	2.8	ng	347488	5	21.269	2465690	20.0
Triphenylphosph...	21.381	12.0	ng	1480090	5	21.269	2465690	20.0
Benzo[e]pyrene	23.427	10.3	ng	535829	6	23.633	1042460	20.0