LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003347.D
Acq On : 22 Sep 2020 19:45
Operator : CG/JU
Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-092120

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\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP003347.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.187	384	391	408	rBV	994878	1605818	20.26%	1.909%
2	6.769	649	660	674	rBV	980973	1645643	20.76%	1.957%
3	7.569	789	796	806	rBV	739327	1152053	14.53%	1.370%
4	8.716	981	991	1006	rBV	681514	1159551	14.63%	1.379%
5	10.346	1260	1268	1275	rBV	944498	1618265	20.42%	1.924%
6	12.834	1684	1691	1708	rBV	1864043	2858933	36.07%	3.399%
7	13.681	1829	1835	1842	rBV	189297	283012	3.57%	0.336%
8	13.940	1873	1879	1894	rBV	154497	247977	3.13%	0.295%
9	14.222	1920	1927	1933	rBV	1455191	2169170	27.37%	2.579%
10	14.281	1933	1937	1946	rVB	154026	238888	3.01%	0.284%
11	14.622	1990	1995	2003	rVB	80621	134699	1.70%	0.160%
12	15.275	2100	2106	2119	rVB	265322	400921	5.06%	0.477%
13	15.575	2153	2157	2168	rVB2	49516	93616	1.18%	0.111%
14	15.716	2176	2181	2191	rBV	1231988	1897078	23.93%	2.255%
15	16.287	2272	2278	2282	rVB2	52274	88067	1.11%	0.105%
16	16.634	2333	2337	2345	rVB2	58281	99376	1.25%	0.118%
17	16.734	2347	2354	2357	rBV2	93791	179181	2.26%	0.213%
18	16.792	2360	2364	2375	rVB	193550	322358	4.07%	0.383%
19	16.975	2389	2395	2398	rBV	1704085	2396126	30.23%	2.849%
20	17.016	2398	2402	2409	rVV	3246431	4660190	58.79%	5.540%
21	17.110	2410	2418	2423	rVB	693242	1029949	12.99%	1.225%
22	17.169	2423	2428	2436	rBV	221590	340902	4.30%	0.405%
23	17.381	2456	2464	2469	rBV	559912	834331	10.53%	0.992%
24	17.498	2481	2484	2489	rVB2	89137	109898	1.39%	0.131%
25	17.557	2491	2494	2499	rVB2	79784	103502	1.31%	0.123%
26	17.851	2539	2544	2548	rBV	382173	493592	6.23%	0.587%
27	17.898	2548	2552	2559	rVB	575699	770650	9.72%	0.916%
28	17.975	2561	2565	2569	rBV	154096	207449	2.62%	0.247%
29	18.039	2570	2576	2580	rBV2	841101	1337175	16.87%	1.590%
30	18.075	2580	2582	2590	rVB	277624	329151	4.15%	0.391%
31	18.151	2591	2595	2598	rBV3	56172	95140	1.20%	0.113%
32	18.186	2598	2601	2605	rBV3	80221	101218	1.28%	0.120%
33	18.239	2607	2610	2614	rVB2	76065	99017	1.25%	0.118%
34	18.339	2623	2627	2630	rBV	363728	451052	5.69%	0.536%
35	18.381	2630	2634	2640	rVB2	354143	498686	6.29%	0.593%
36	18.581	2666	2668	2672	rVB	95177	96770	1.22%	0.115%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003347.D
Acq On : 22 Sep 2020 19:45
Operator : CG/JU
Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-092120

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\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.628	2673	2676	2680	rVV	119229	170086	2.15%	0.202%
38	18.669	2680	2683	2686	rVB2	101076	116962	1.48%	0.139%
39	18.745	2691	2696	2701	rBV	261227	449677	5.67%	0.535%
40	18.804	2702	2706	2710	rVV2	128585	214721	2.71%	0.255%
41	18.881	2715	2719	2726	rBV2	219625	398790	5.03%	0.474%
42	19.004	2734	2740	2745	rBV	5935069	7926751	100.00%	9.424%
43	19.098	2753	2756	2760	rVB	132862	153392	1.94%	0.182%
44	19.233	2777	2779	2783	rVB	148798	174583	2.20%	0.208%
45	19.351	2790	2799	2808	rBV2	4506113	7888367	99.52%	9.378%
46	19.428	2808	2812	2818	rVB2	196044	337683	4.26%	0.401%
47	19.557	2825	2834	2837	rBV2	2882363	3909092	49.32%	4.648%
48	19.586	2837	2839	2845	rVB	305109	385855	4.87%	0.459%
49	19.669	2848	2853	2855	rBV3	297768	493303	6.22%	0.586%
50	19.839	2878	2882	2886	rVB	1041314	1328654	16.76%	1.580%
51	19.933	2894	2898	2902	rBV	1016725	1221463	15.41%	1.452%
52	19.992	2904	2908	2911	rVV2	424783	592098	7.47%	0.704%
53	20.028	2911	2914	2918	rVB	226267	289504	3.65%	0.344%
54	20.128	2928	2931	2934	rBV2	179520	203793	2.57%	0.242%
55	20.169	2935	2938	2942	rVV2	208033	273337	3.45%	0.325%
56	20.727	3029	3033	3036	rBV	565707	683278	8.62%	0.812%
57	20.763	3036	3039	3042	rVB	410308	393531	4.96%	0.468%
58	20.804	3042	3046	3053	rBV4	586554	1034705	13.05%	1.230%
59	21.063	3085	3090	3095	rBV3	2938563	5502098	69.41%	6.541%
60	21.110	3095	3098	3108	rVB	2533308	3276733	41.34%	3.896%
61	21.227	3114	3118	3123	rBV	568884	817154	10.31%	0.972%
62	21.380	3140	3144	3149	rBV2	399136	564127	7.12%	0.671%
63	22.616	3348	3354	3359	rBV	1889346	4172864	52.64%	4.961%
64	22.780	3379	3382	3391	rVB	318310	519496	6.55%	0.618%
65	23.080	3428	3433	3441	rVB	1119233	2067369	26.08%	2.458%
66	23.174	3444	3449	3456	rVB	1623586	2988435	37.70%	3.553%
67	23.269	3460	3465	3470	rBV2	922230	1638134	20.67%	1.948%
68	25.504	3839	3845	3856	rVB	827138	2136741	26.96%	2.540%
69	26.180	3956	3960	3971	rVB	651238	1639319	20.68%	1.949%

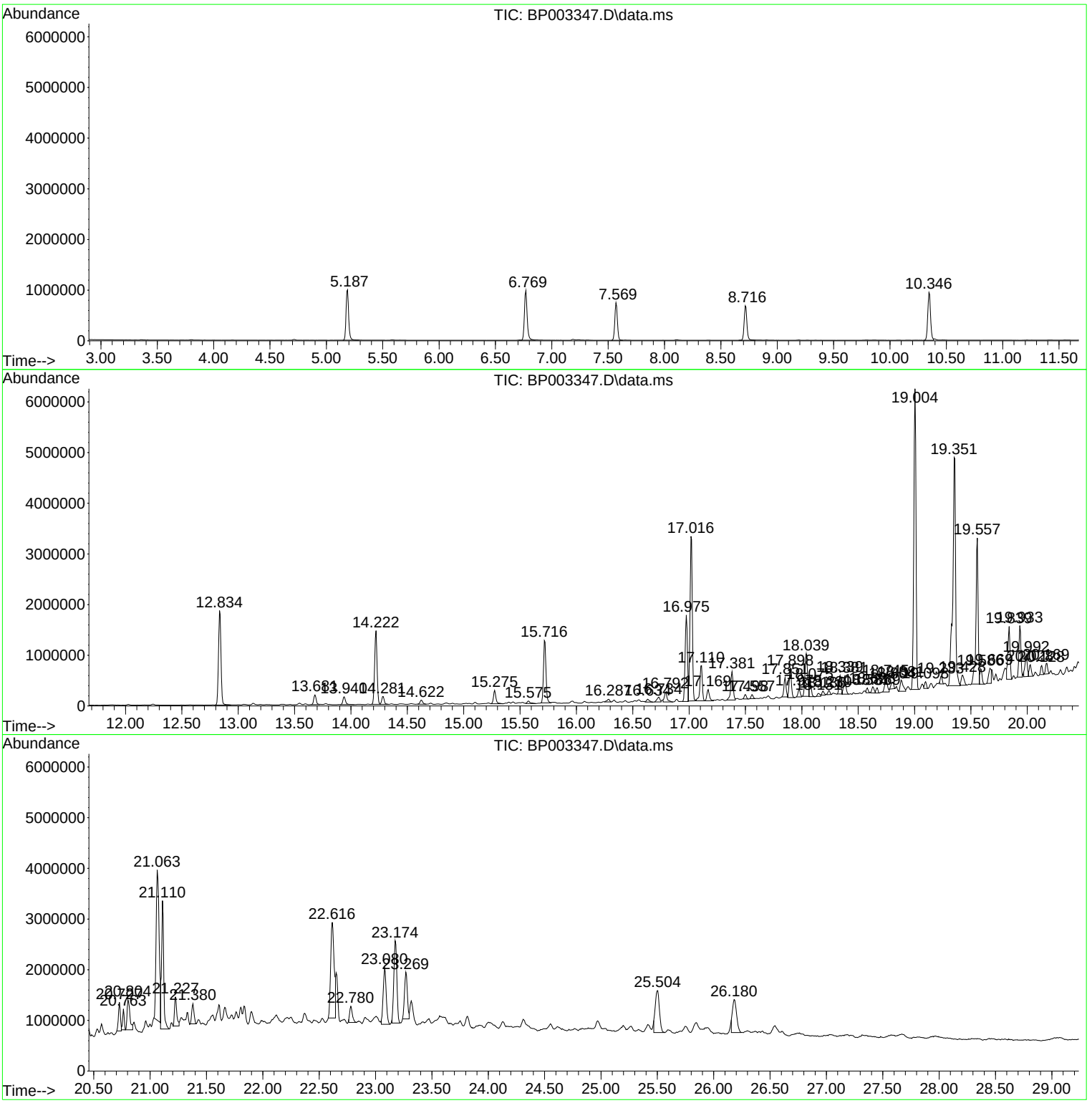
Sum of corrected areas: 84111499

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003347.D
Acq On : 22 Sep 2020 19:45
Operator : CG/JU
Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-092120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003347.D
Acq On : 22 Sep 2020 19:45
Operator : CG/JU
Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-092120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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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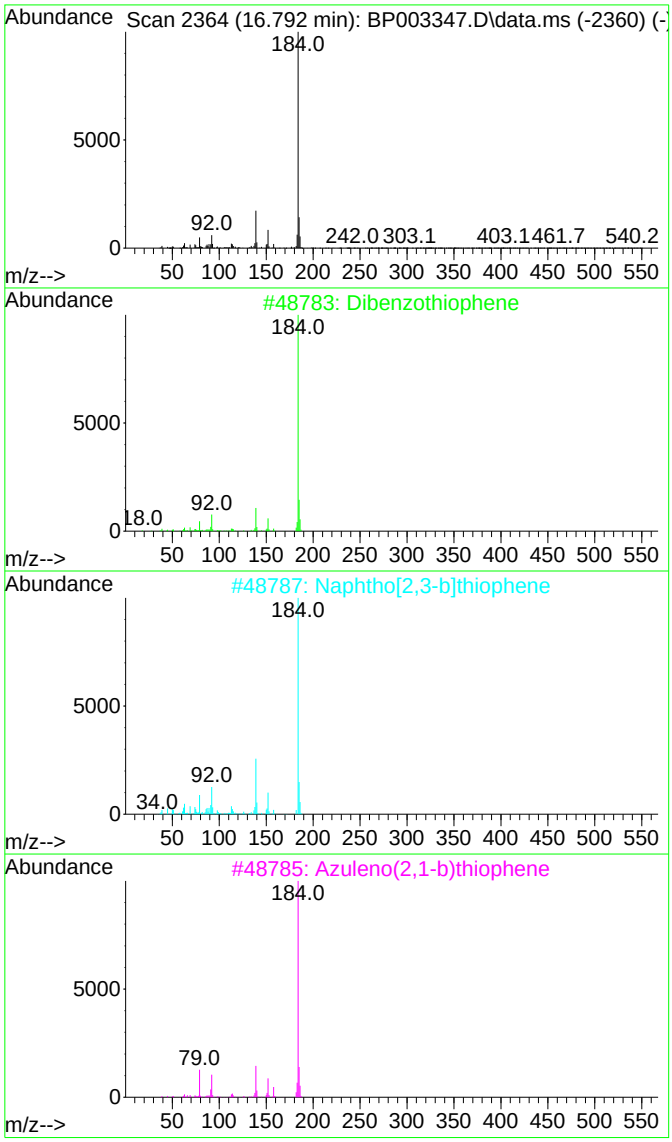
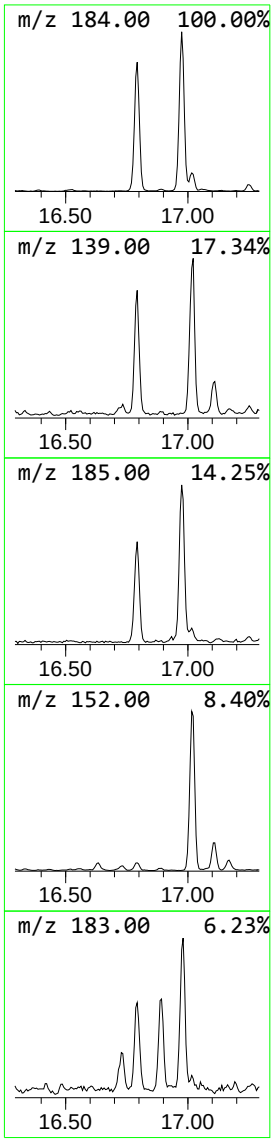
Peak Number 1 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.792	2.69 ng	322358	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	78
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003347.D
Acq On : 22 Sep 2020 19:45
Operator : CG/JU
Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-092120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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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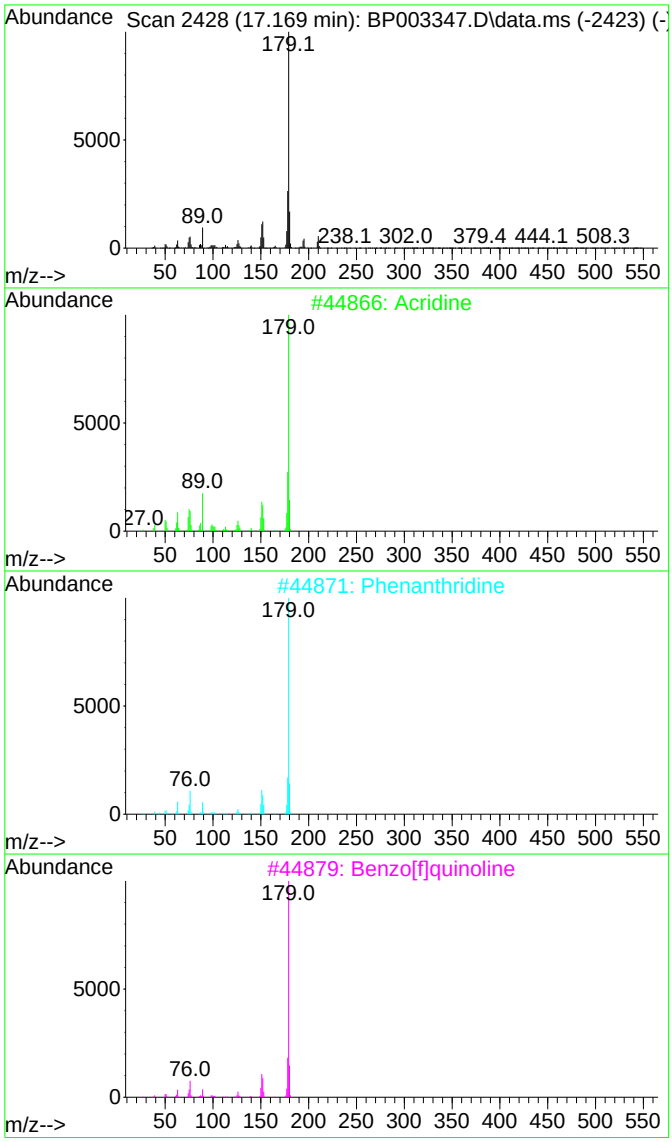
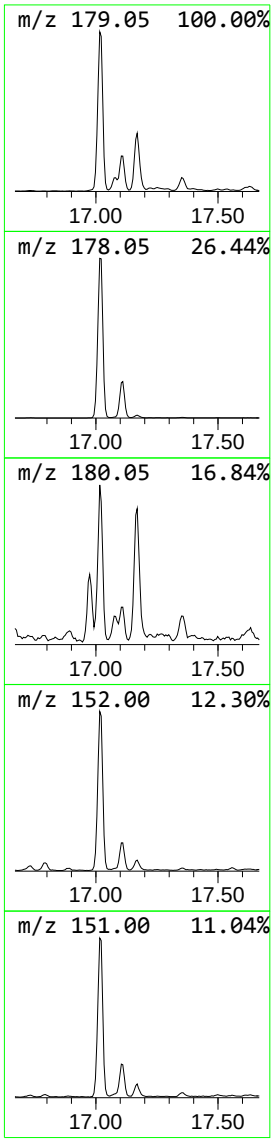
Peak Number 2 Acridine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.169	2.85 ng	340902	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Phenanthridine	179	C13H9N	000229-87-8	91
3	Benzo[f]quinoline	179	C13H9N	000085-02-9	91
4	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	87
5	Benzo[h]quinoline	179	C13H9N	000230-27-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003347.D
Acq On : 22 Sep 2020 19:45
Operator : CG/JU
Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-092120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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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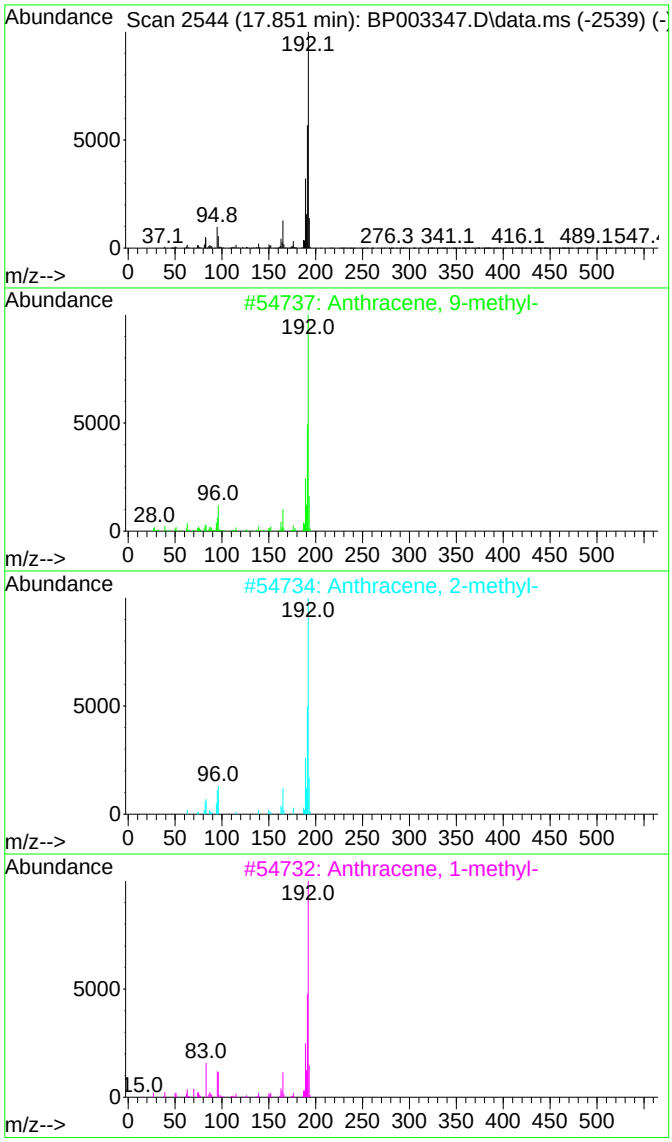
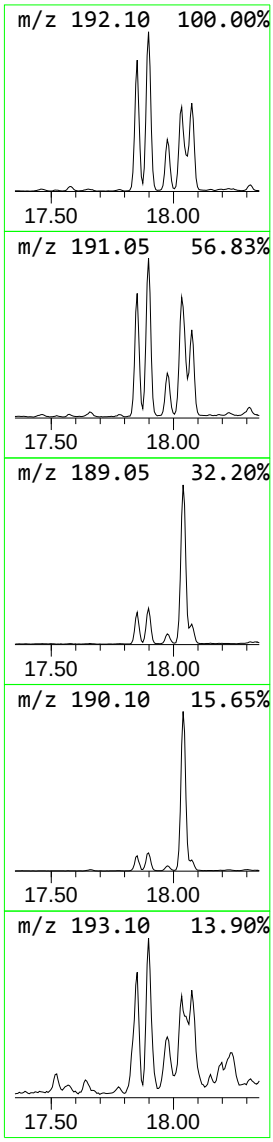
Peak Number 3 Anthracene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.851	4.12 ng	493592	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003347.D
Acq On : 22 Sep 2020 19:45
Operator : CG/JU
Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-092120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

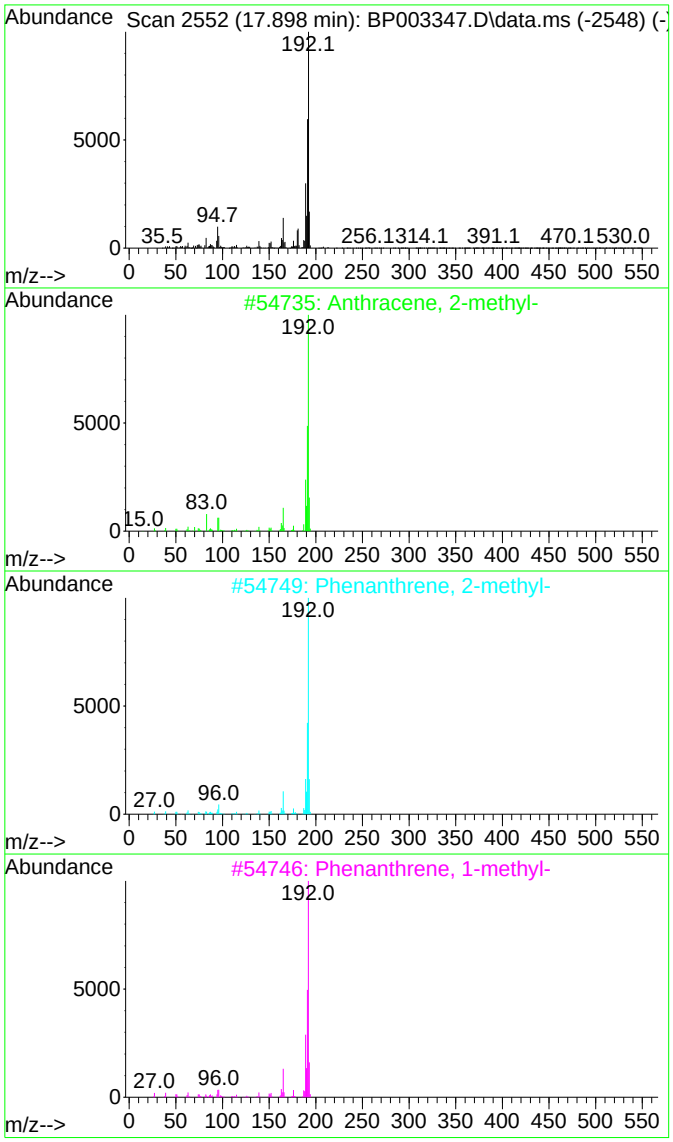
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

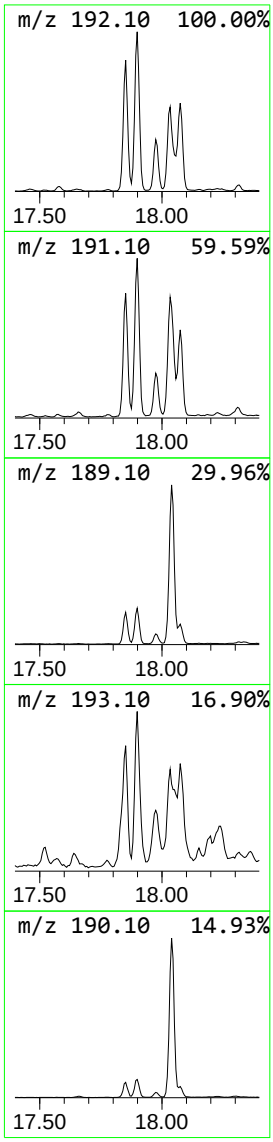
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.898	6.43 ng	770650	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003347.D
Acq On : 22 Sep 2020 19:45
Operator : CG/JU
Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-092120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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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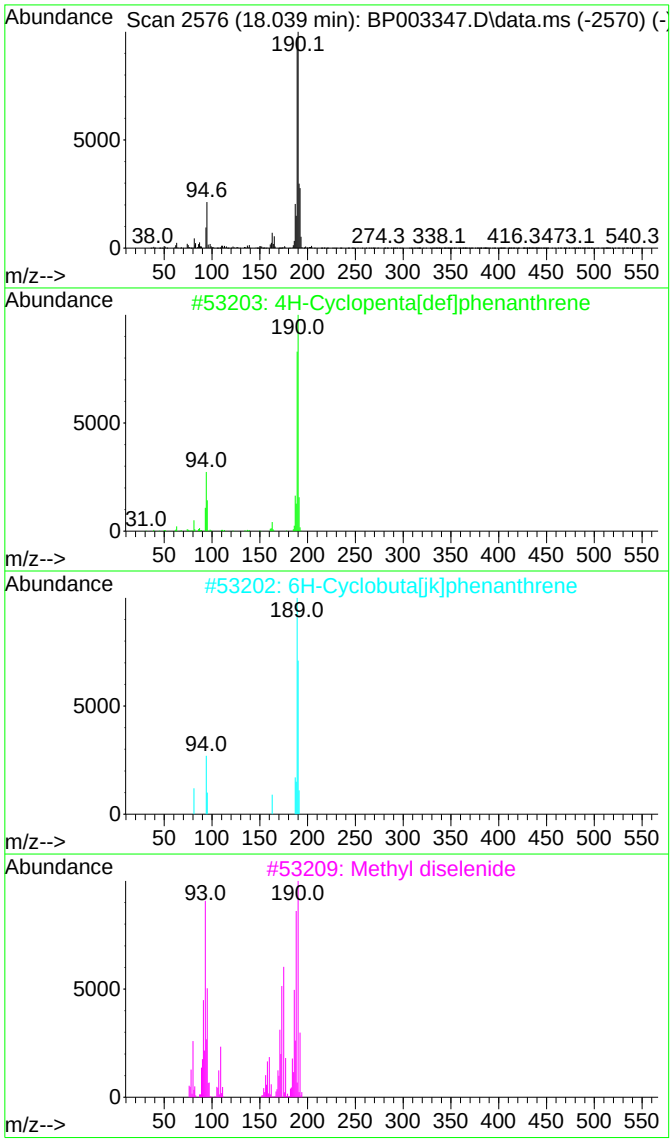
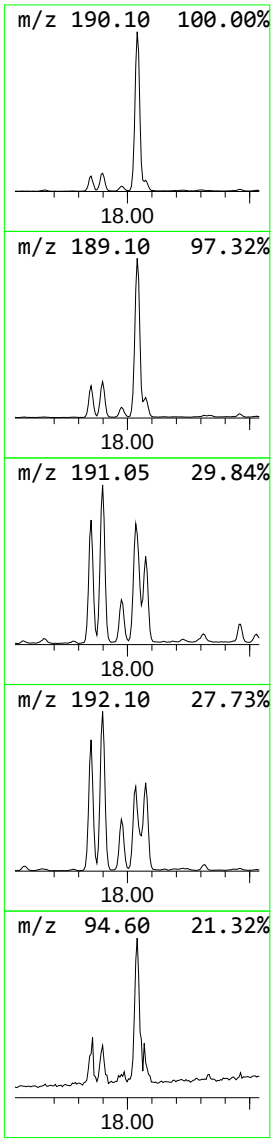
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.039	11.16 ng	1337180	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003347.D
Acq On : 22 Sep 2020 19:45
Operator : CG/JU
Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-092120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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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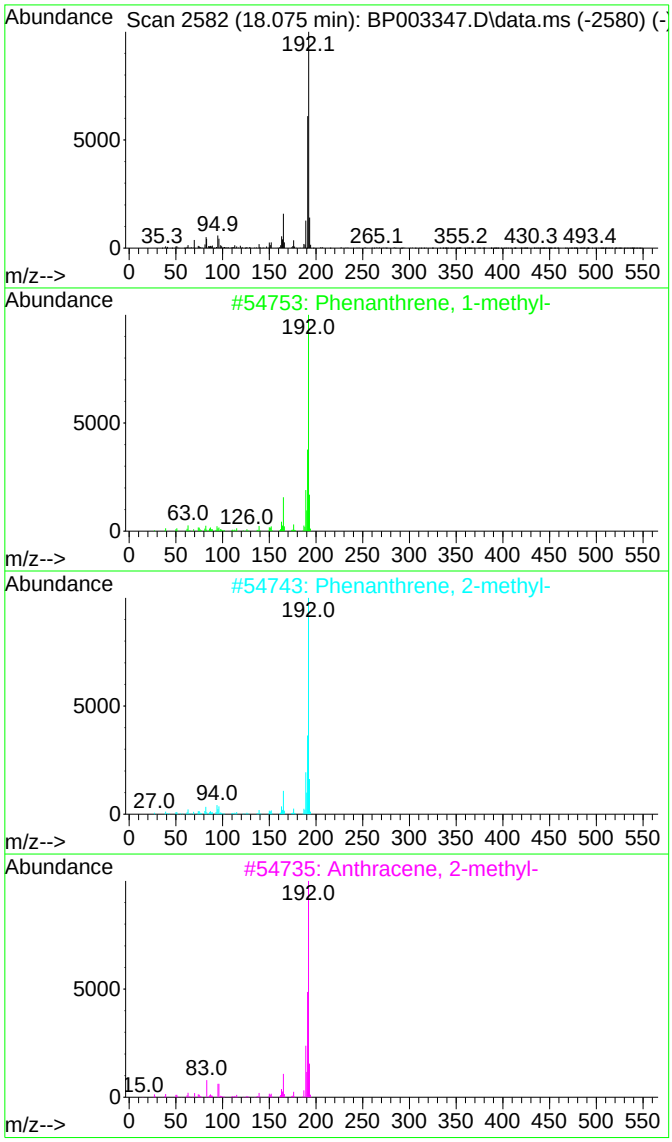
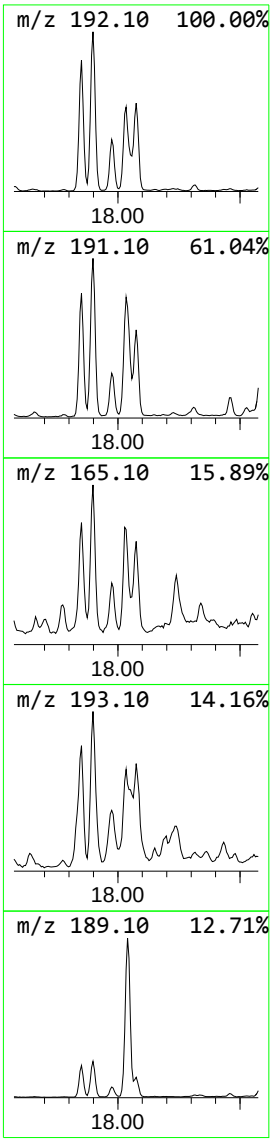
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.075	2.75 ng	329151	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003347.D
Acq On : 22 Sep 2020 19:45
Operator : CG/JU
Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-092120

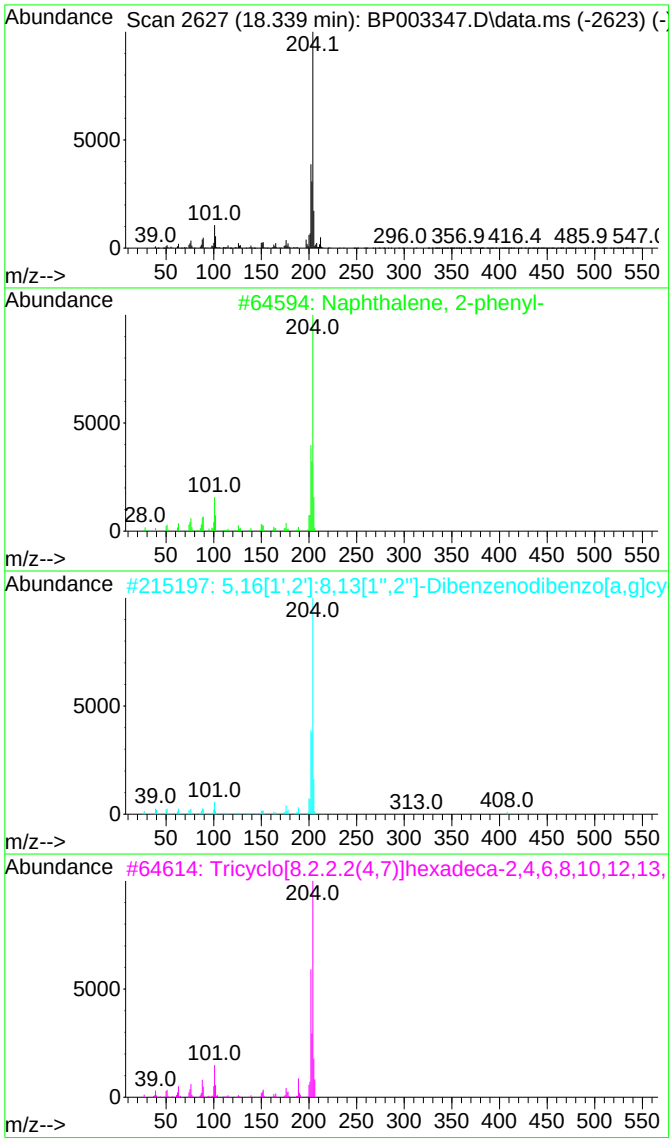
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

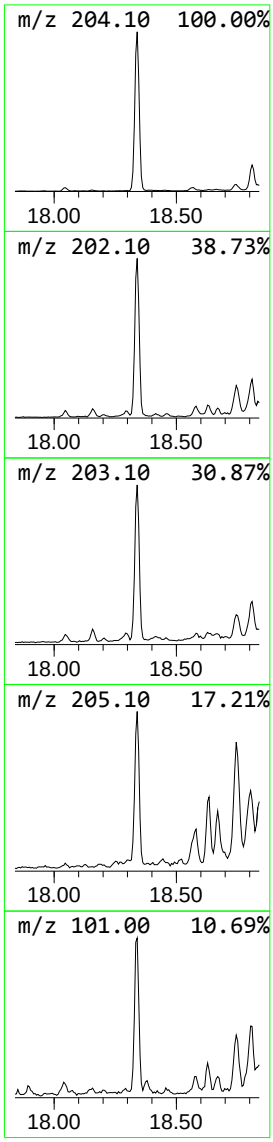
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.339	3.76 ng	451052	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





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Acq On : 22 Sep 2020 19:45
Operator : CG/JU
Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-092120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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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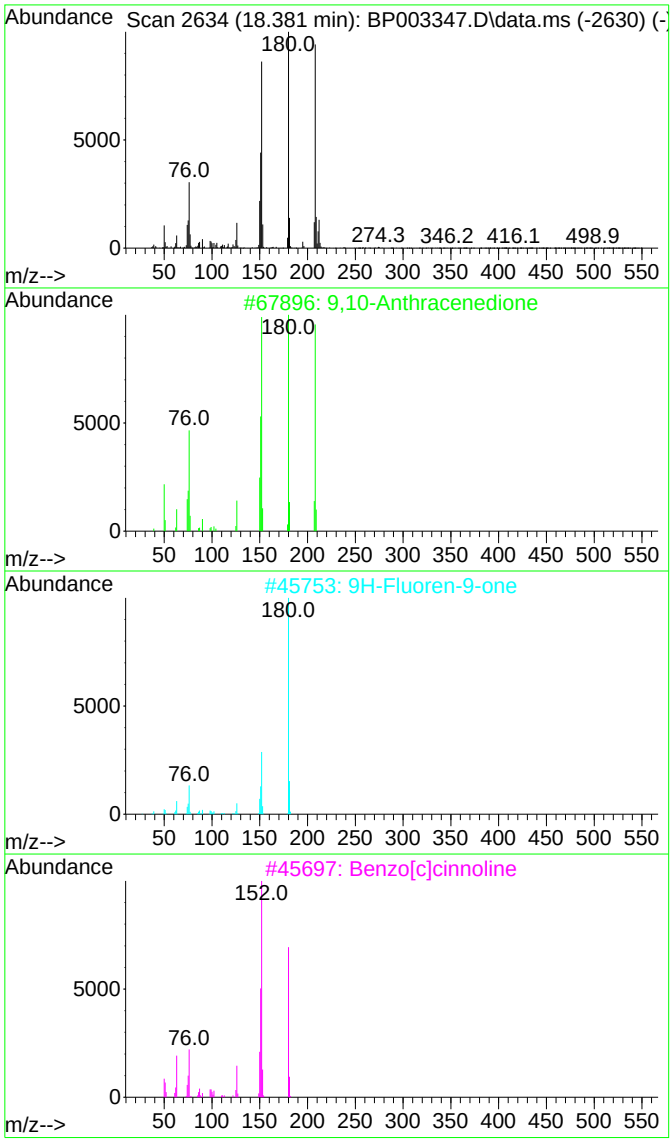
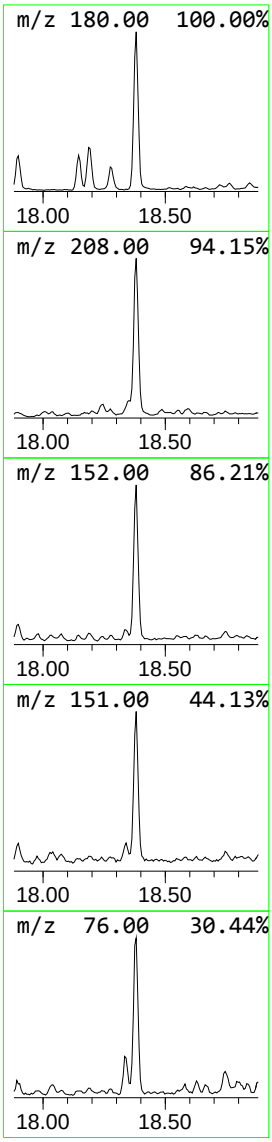
Peak Number 8 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.381	4.16 ng	498686	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55





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Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-01-092120

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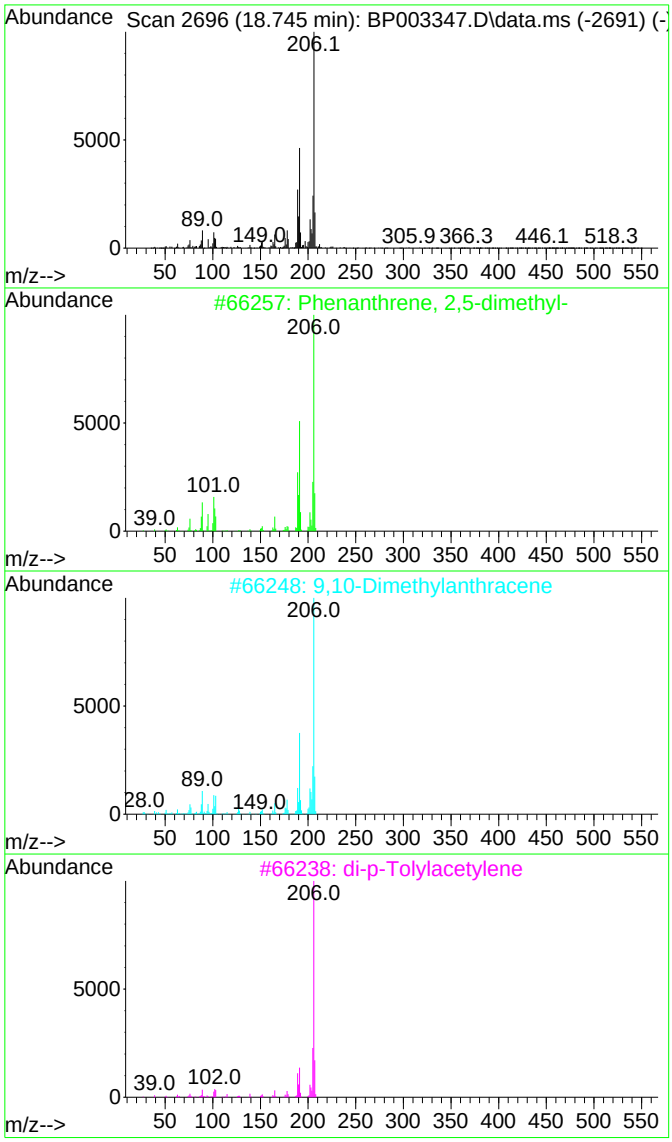
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

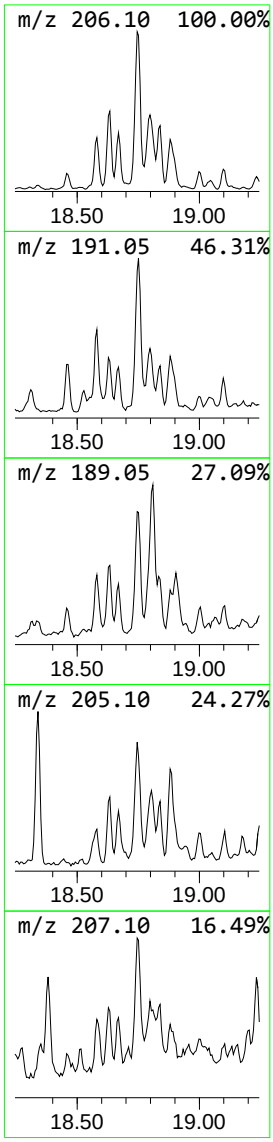
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.745	3.75 ng	449677	Phenanthrene-d10	16.975

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	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-092120

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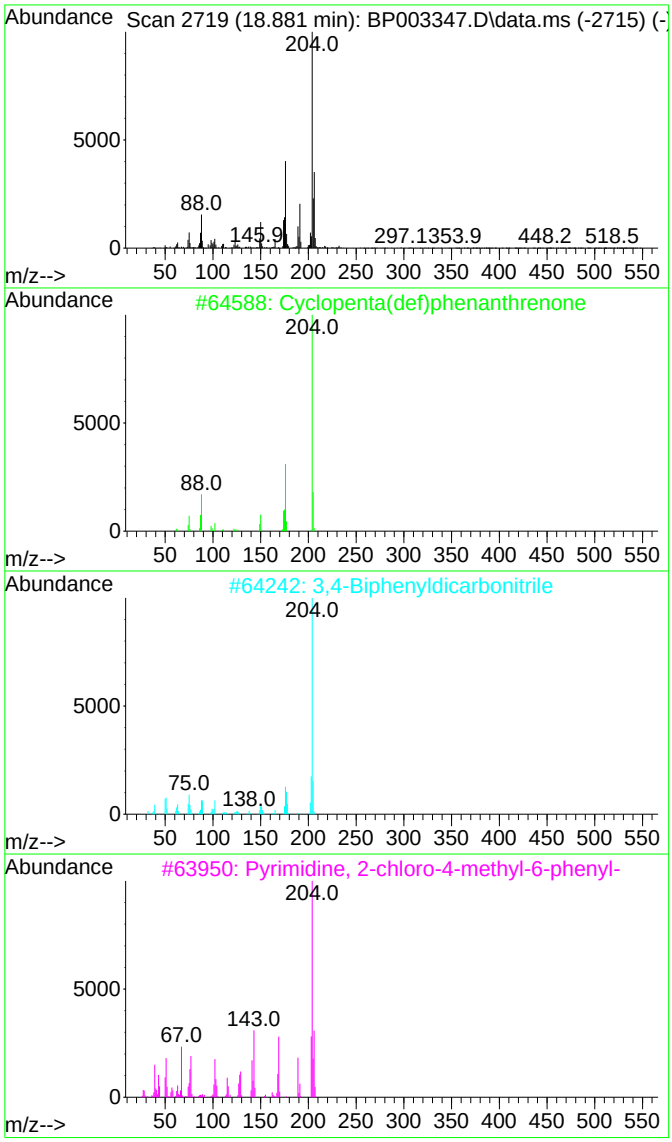
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

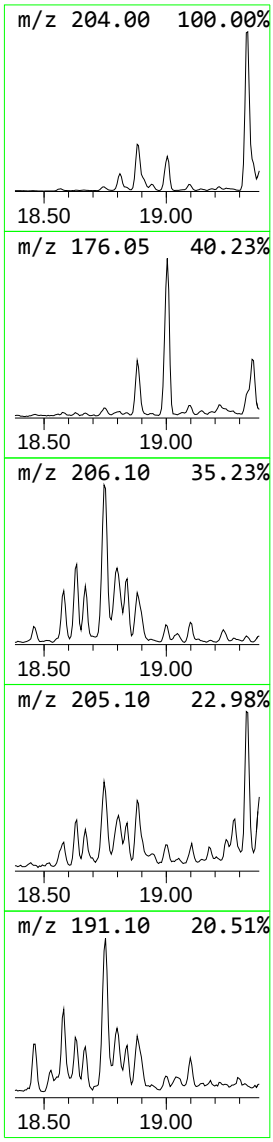
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.881	3.33 ng	398790	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
3	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
5	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38





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Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-01-092120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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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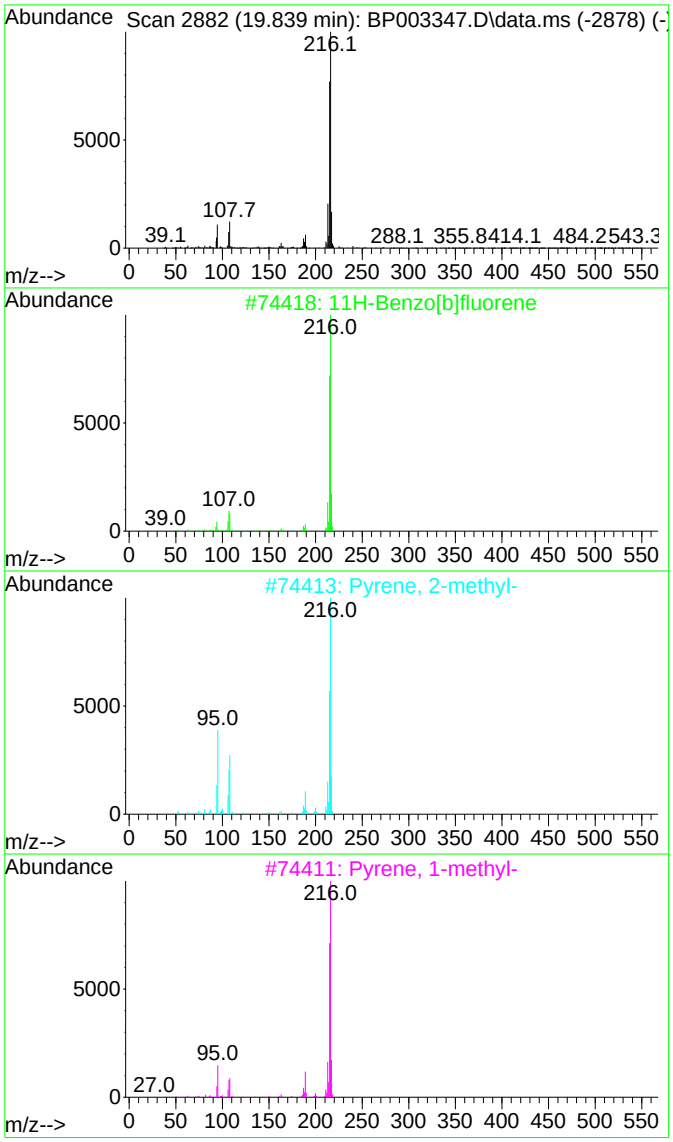
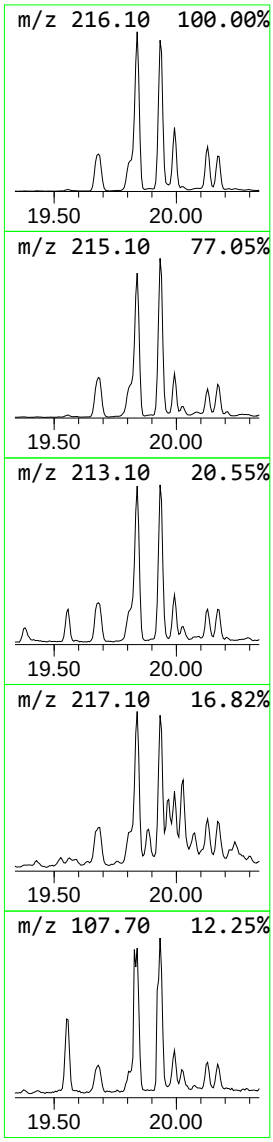
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.839	4.83 ng	1328650	Chrysene-d12	21.075

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





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

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

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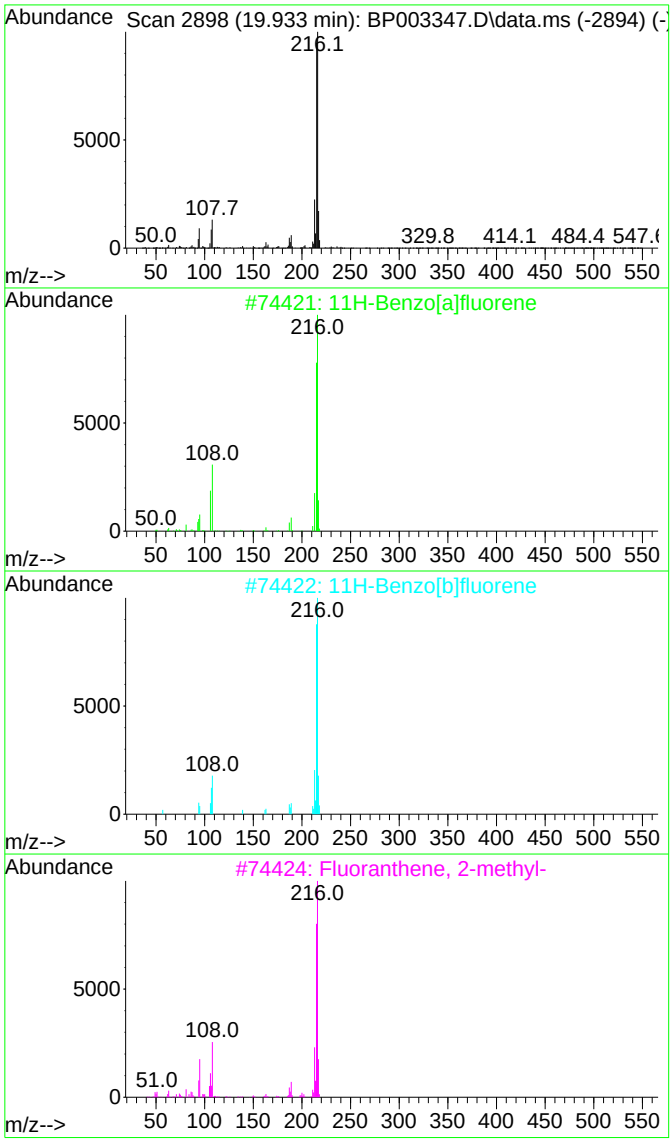
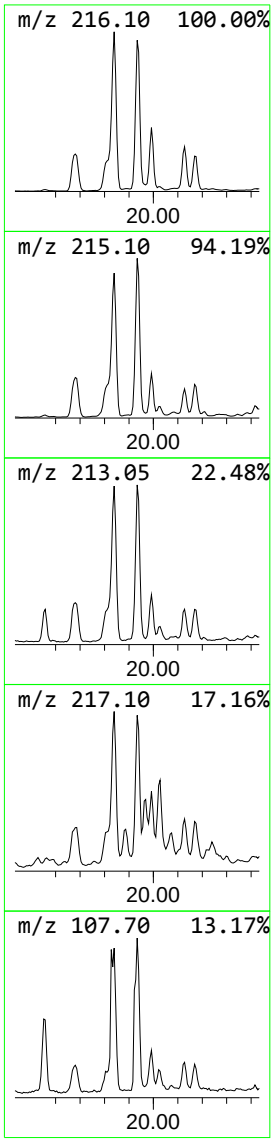
Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.933	4.44 ng	1221460	Chrysene-d12	21.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59





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Sample : L3866-06 2X
Misc :
ALS Vial : 15 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\NIST11.L
TIC Integration Parameters: LSCINT.P

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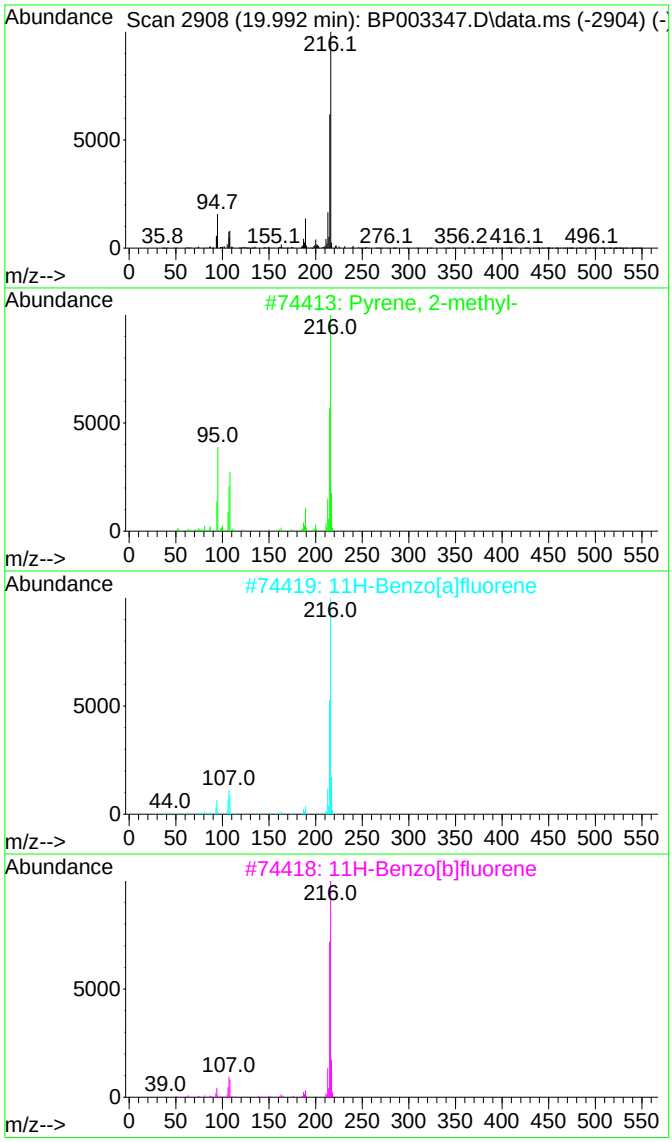
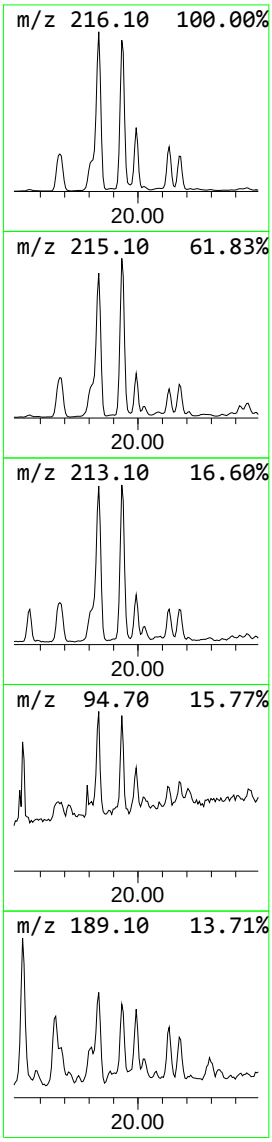
Peak Number 13 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.992	2.15 ng	592098	Chrysene-d12	21.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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Operator : CG/JU
Sample : L3866-06 2X
Misc :
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Instrument : BNA_P
ClientSampleId : OK-01-092120

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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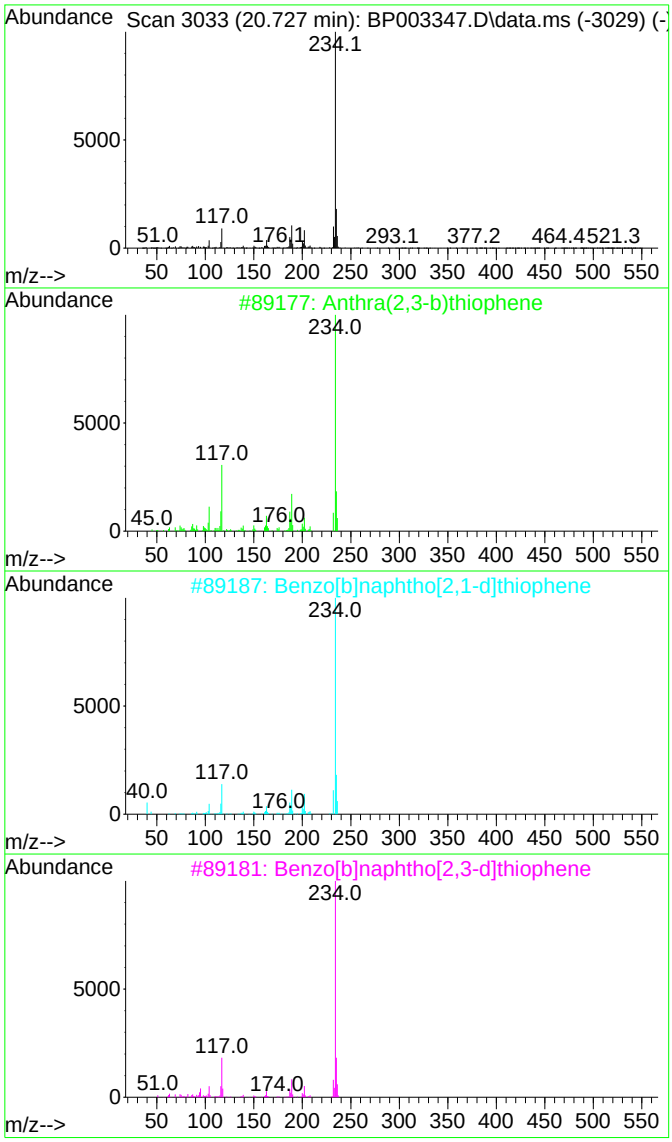
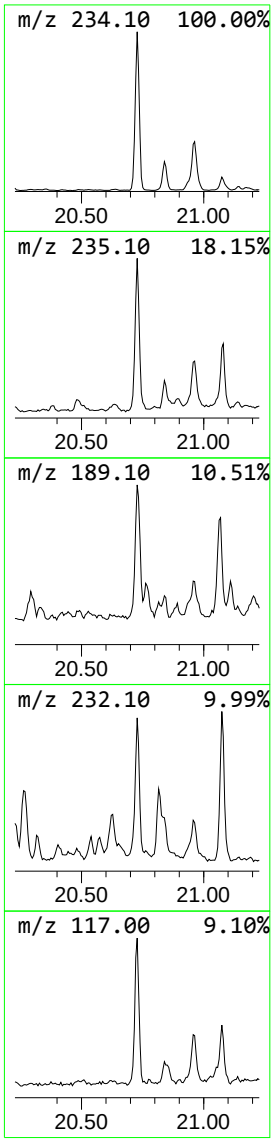
Peak Number 14 Anthra(2,3-b)thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.727	2.48 ng	683278	Chrysene-d12	21.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	97
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	93
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91





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Sample : L3866-06 2X
Misc :
ALS Vial : 15 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\NIST11.L
TIC Integration Parameters: LSCINT.P

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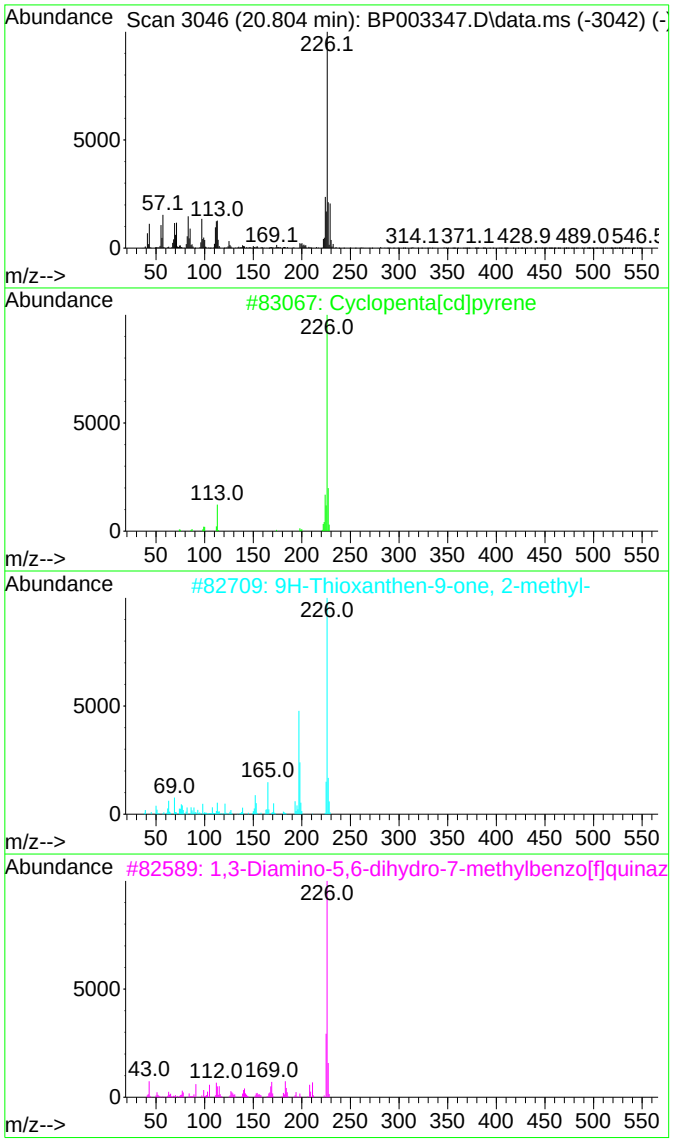
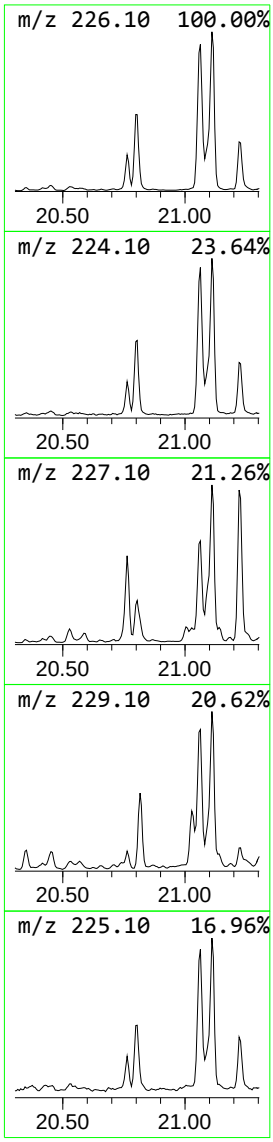
Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.804	3.76 ng	1034710	Chrysene-d12	21.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	47
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38





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Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-092120

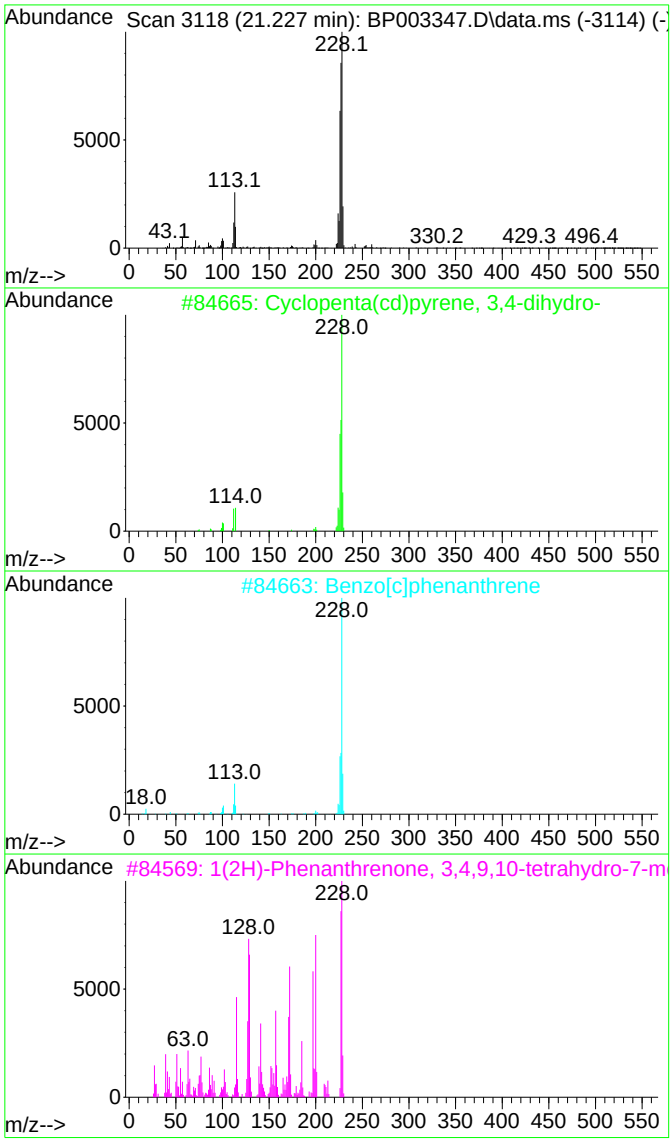
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

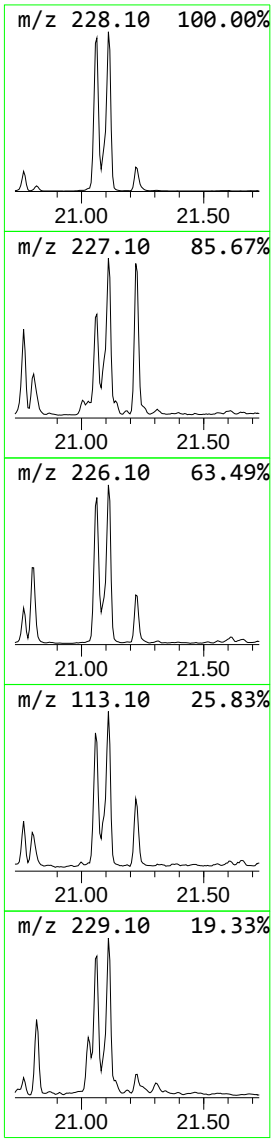
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.227	2.97 ng	817154	Chrysene-d12	21.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	92
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
3	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	47
4	Triphenylene	228	C18H12	000217-59-4	43
5	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	40





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Misc :
ALS Vial : 15 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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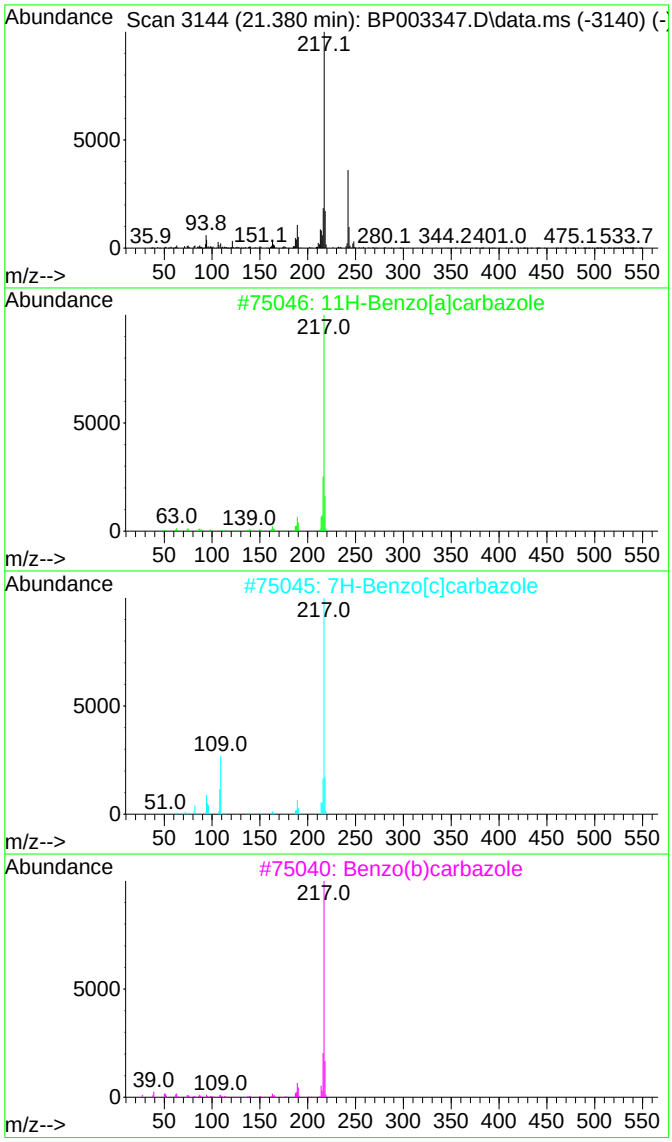
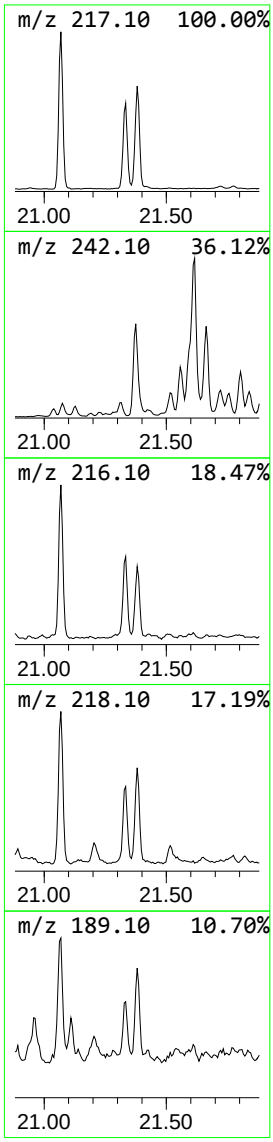
Peak Number 17 11H-Benzo[a]carbazole Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.380	2.05 ng	564127	Chrysene-d12	21.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	93
2	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	81
3	Benzo(b)carbazole	217	C16H11N	000243-28-7	76
4	1-Aminopyrene	217	C16H11N	001606-67-3	64
5	Benzo(c)carbazole	217	C16H11N	034777-33-8	58





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Misc :
ALS Vial : 15 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\NIST11.L
TIC Integration Parameters: LSCINT.P

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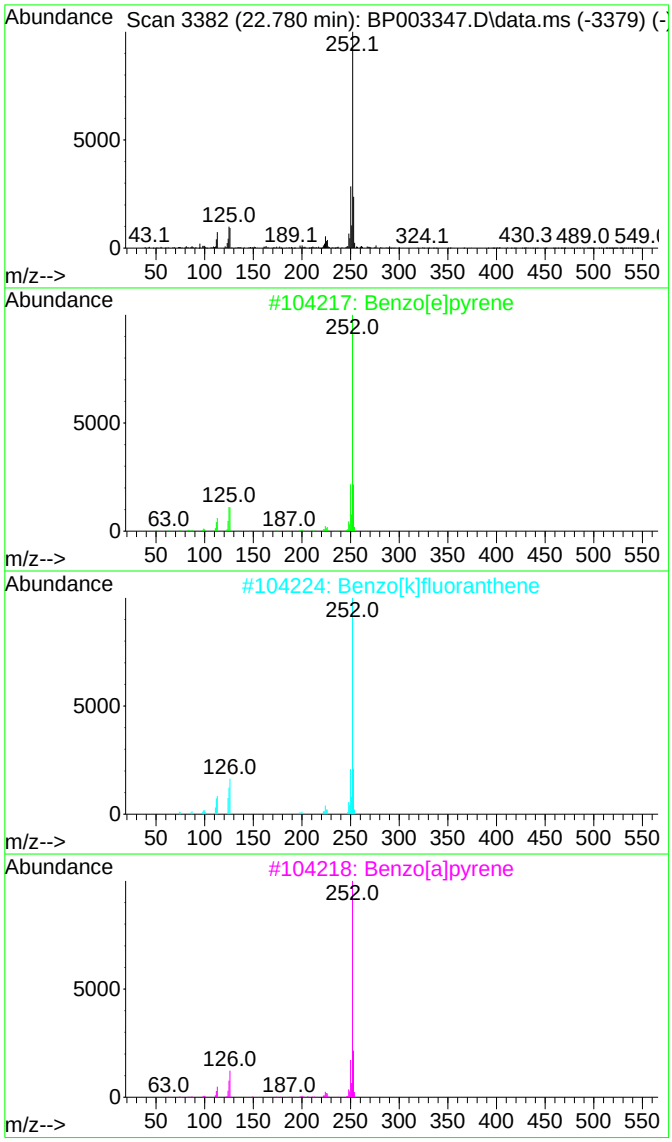
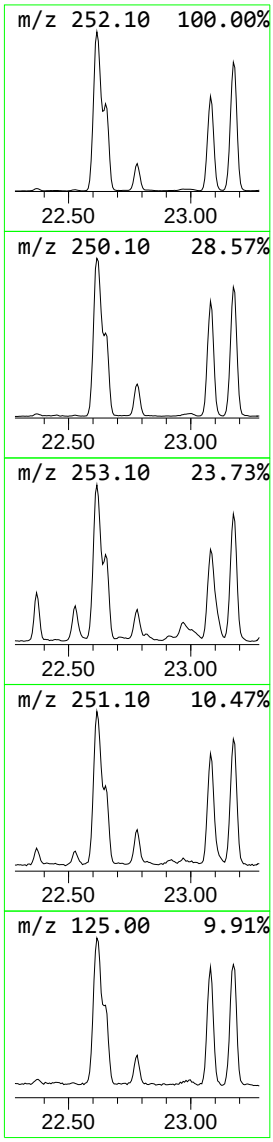
Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.780	6.34 ng	519496	Perylene-d12	23.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Perylene	252	C20H12	000198-55-0	81





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Data File : BP003347.D
Acq On : 22 Sep 2020 19:45
Operator : CG/JU
Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-092120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

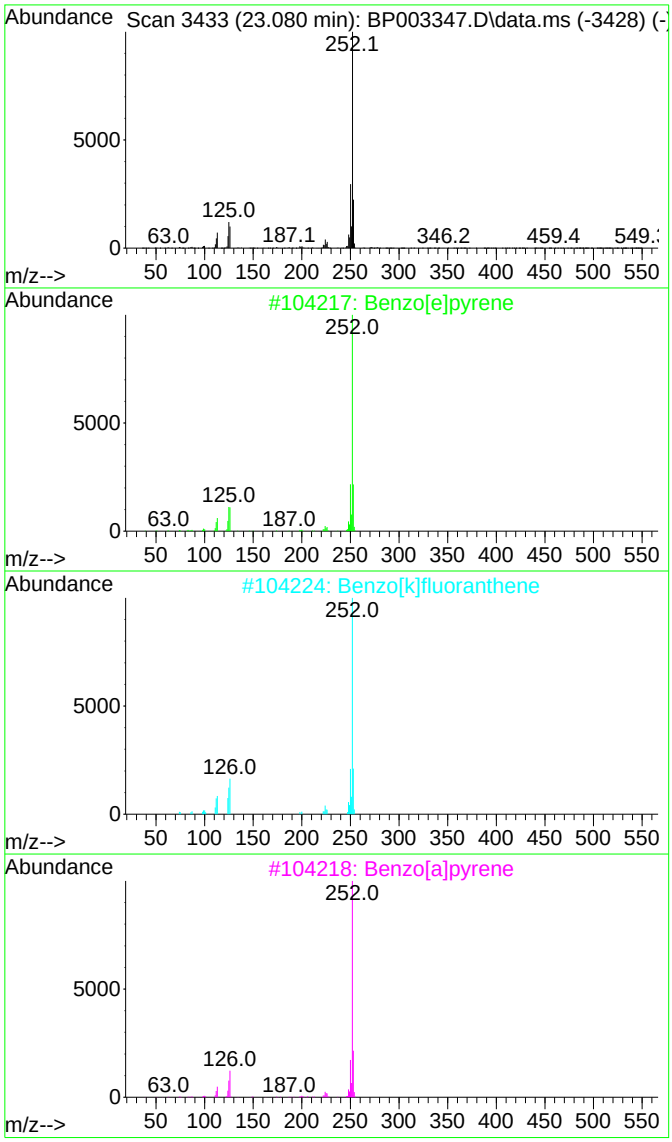
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

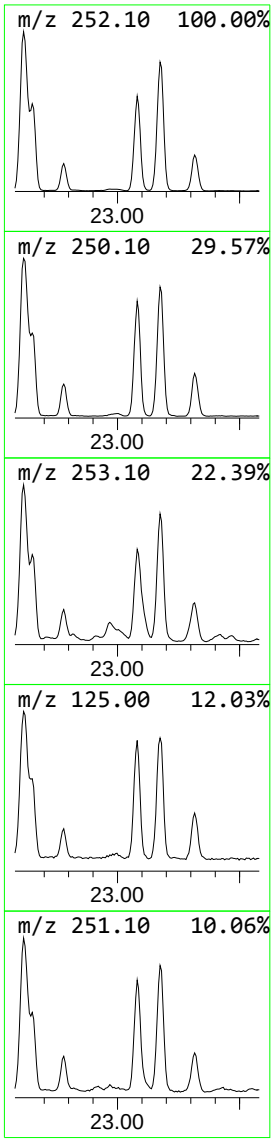
****

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.080	25.24 ng	2067370	Perylene-d12	23.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003347.D
Acq On : 22 Sep 2020 19:45
Operator : CG/JU
Sample : L3866-06 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-092120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Dibenzothiophene	16.792	2.7	ng	322358	4	16.975	2396130	20.0
Acridine	17.169	2.9	ng	340902	4	16.975	2396130	20.0
Anthracene, 9-m...	17.851	4.1	ng	493592	4	16.975	2396130	20.0
Anthracene, 2-m...	17.898	6.4	ng	770650	4	16.975	2396130	20.0
4H-Cyclopenta[d...	18.039	11.2	ng	1337180	4	16.975	2396130	20.0
Phenanthrene, 1...	18.075	2.8	ng	329151	4	16.975	2396130	20.0
Naphthalene, 2-...	18.339	3.8	ng	451052	4	16.975	2396130	20.0
9,10-Anthracene...	18.381	4.2	ng	498686	4	16.975	2396130	20.0
Phenanthrene, 2...	18.745	3.8	ng	449677	4	16.975	2396130	20.0
Cyclopenta(def)...	18.881	3.3	ng	398790	4	16.975	2396130	20.0
11H-Benzo[b]flu...	19.839	4.8	ng	1328650	5	21.075	5502100	20.0
11H-Benzo[a]flu...	19.933	4.4	ng	1221460	5	21.075	5502100	20.0
Pyrene, 2-methyl-	19.992	2.1	ng	592098	5	21.075	5502100	20.0
Anthra(2,3-b)th...	20.727	2.5	ng	683278	5	21.075	5502100	20.0
Cyclopenta[cd]p...	20.804	3.8	ng	1034710	5	21.075	5502100	20.0
Cyclopenta(cd)p...	21.227	3.0	ng	817154	5	21.075	5502100	20.0
11H-Benzo[a]car...	21.380	2.0	ng	564127	5	21.075	5502100	20.0
Benzo[e]pyrene	22.780	6.3	ng	519496	6	23.269	1638130	20.0
Perylene	23.080	25.2	ng	2067370	6	23.269	1638130	20.0