LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007174.D
Acq On : 24 Sep 2021 23:55
Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-4

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-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP007174.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.464	397	404	417	rBV	2697386	3930395	23.59%	1.800%
2	7.063	668	676	693	rBV	2480736	4114094	24.69%	1.884%
3	7.887	809	816	824	rBV	896282	1402907	8.42%	0.642%
4	9.052	1007	1014	1023	rBV	1607894	2653812	15.93%	1.215%
5	10.475	1250	1256	1267	rBV	93990	197032	1.18%	0.090%
6	10.687	1282	1292	1297	rBV	1179929	2015643	12.10%	0.923%
7	10.740	1297	1301	1308	rVB	249742	410074	2.46%	0.188%
8	12.351	1568	1575	1581	rVB	177606	281255	1.69%	0.129%
9	12.569	1605	1612	1620	rVB	209859	341983	2.05%	0.157%
10	13.145	1703	1710	1722	rBV	4317320	6328522	37.98%	2.898%
11	13.698	1796	1804	1811	rBV3	103135	290174	1.74%	0.133%
12	13.845	1823	1829	1834	rBV	206596	372028	2.23%	0.170%
13	13.898	1834	1838	1843	rVB	119177	167765	1.01%	0.077%
14	14.081	1861	1869	1872	rBV	105240	180337	1.08%	0.083%
15	14.245	1889	1897	1906	rBV	967745	1593071	9.56%	0.729%
16	14.522	1935	1944	1950	rBV	1806495	2790026	16.74%	1.278%
17	14.587	1950	1955	1962	rVB	494760	779768	4.68%	0.357%
18	14.916	2006	2011	2019	rVB	416995	657999	3.95%	0.301%
19	14.992	2019	2024	2029	rVB	122660	177326	1.06%	0.081%
20	15.134	2041	2048	2053	rBV4	127200	305749	1.83%	0.140%
21	15.310	2070	2078	2081	rBV4	86210	197664	1.19%	0.091%
22	15.392	2086	2092	2097	rVB2	132374	263519	1.58%	0.121%
23	15.569	2116	2122	2133	rVB	807016	1329500	7.98%	0.609%
24	15.781	2153	2158	2162	rBV3	115823	206077	1.24%	0.094%
25	15.863	2167	2172	2187	rVB2	184104	429858	2.58%	0.197%
26	16.010	2189	2197	2205	rVB	3749077	5485495	32.92%	2.512%
27	16.239	2231	2236	2243	rBV3	236019	464180	2.79%	0.213%
28	16.575	2286	2293	2298	rBV2	210187	390295	2.34%	0.179%
29	16.622	2298	2301	2307	rVB2	134931	196249	1.18%	0.090%
30	16.722	2315	2318	2323	rVB2	124065	170611	1.02%	0.078%
31	16.922	2349	2352	2359	rVB3	172424	285218	1.71%	0.131%
32	16.998	2361	2365	2367	rVV2	118903	176746	1.06%	0.081%
33	17.028	2368	2370	2375	rVV2	167112	233799	1.40%	0.107%
34	17.086	2376	2380	2389	rVB	480854	741168	4.45%	0.339%
35	17.275	2406	2412	2415	rBV	2120097	3288174	19.73%	1.506%
36	17.316	2415	2419	2425	rVV	6448067	8881596	53.30%	4.067%

LSC Area Percent Report

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Data File : BP007174.D
Acq On : 24 Sep 2021 23:55
Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-4

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-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.404	2426	2434	2439	rVV	2246814	3190995	19.15%	1.461%
38	17.463	2439	2444	2449	rVV2	238334	414146	2.49%	0.190%
39	17.675	2475	2480	2486	rBV	641166	891761	5.35%	0.408%
40	17.851	2506	2510	2518	rVB2	235419	364779	2.19%	0.167%
41	17.992	2529	2534	2542	rVB	145202	282787	1.70%	0.129%
42	18.139	2554	2559	2564	rBV2	1010634	2109665	12.66%	0.966%
43	18.186	2564	2567	2571	rVV	1486687	1873704	11.25%	0.858%
44	18.228	2571	2574	2576	rVV	155369	169831	1.02%	0.078%
45	18.263	2576	2580	2585	rVV	655209	819558	4.92%	0.375%
46	18.328	2585	2591	2595	rVV2	2001856	3492803	20.96%	1.599%
47	18.363	2595	2597	2603	rVB	789563	835174	5.01%	0.382%
48	18.439	2606	2610	2613	rBV2	169416	220882	1.33%	0.101%
49	18.516	2620	2623	2628	rVB2	153805	217753	1.31%	0.100%
50	18.622	2636	2641	2644	rVV	820452	1111041	6.67%	0.509%
51	18.663	2644	2648	2654	rVB2	398631	584444	3.51%	0.268%
52	18.857	2678	2681	2685	rVV	265888	295592	1.77%	0.135%
53	18.910	2686	2690	2693	rVV	371387	497293	2.98%	0.228%
54	18.945	2693	2696	2700	rVB	357341	429840	2.58%	0.197%
55	19.028	2705	2710	2715	rBV	851510	1539159	9.24%	0.705%
56	19.086	2716	2720	2723	rVB2	330018	448705	2.69%	0.205%
57	19.163	2729	2733	2740	rBV2	599191	1152523	6.92%	0.528%
58	19.286	2748	2754	2759	rBV	11973000	16662396	100.00%	7.630%
59	19.339	2760	2763	2766	rVV2	298678	367950	2.21%	0.168%
60	19.380	2766	2770	2774	rVV2	358274	569539	3.42%	0.261%
61	19.427	2774	2778	2781	rVB	472930	601885	3.61%	0.276%
62	19.516	2789	2793	2796	rBV	504344	684080	4.11%	0.313%
63	19.604	2803	2808	2809	rBV	1912994	2196823	13.18%	1.006%
64	19.639	2809	2814	2821	rVV	11109637	16554876	99.35%	7.580%
65	19.704	2821	2825	2831	rVB2	664674	1017349	6.11%	0.466%
66	19.827	2839	2846	2850	rBV	6619633	8178785	49.09%	3.745%
67	19.869	2850	2853	2859	rVB	593452	835298	5.01%	0.382%
68	19.945	2861	2866	2873	rBV3	843204	2141038	12.85%	0.980%
69	20.116	2884	2895	2900	rVB	1773471	3916031	23.50%	1.793%
70	20.216	2908	2912	2915	rBV	1241721	1526350	9.16%	0.699%
71	20.269	2916	2921	2925	rVB2	1205601	1755297	10.53%	0.804%
72	20.404	2941	2944	2948	rBV	867706	1137745	6.83%	0.521%
73	20.451	2948	2952	2956	rVB	866818	1127475	6.77%	0.516%
74	20.845	3016	3019	3025	rVB	925251	1299969	7.80%	0.595%
75	21.010	3044	3047	3050	rVB	803007	881251	5.29%	0.404%
76	21.045	3050	3053	3057	rVV	909859	1350545	8.11%	0.618%

LSC Area Percent Report

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Acq On : 24 Sep 2021 23:55
Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.086	3057	3060	3064	rVV2	1046011	1392763	8.36%	0.638%
78	21.139	3066	3069	3075	rVB	735688	995121	5.97%	0.456%
79	21.345	3099	3104	3109	rBV3	7318141	13088534	78.55%	5.993%
80	21.398	3109	3113	3122	rVB	5978368	8583396	51.51%	3.930%
81	21.522	3130	3134	3139	rBV	1143264	1797669	10.79%	0.823%
82	21.680	3158	3161	3166	rBV2	668278	994167	5.97%	0.455%
83	21.933	3202	3204	3208	rVB	1082659	1192376	7.16%	0.546%
84	21.986	3211	3213	3219	rVB	715741	936281	5.62%	0.429%
85	22.145	3237	3240	3243	rBV2	577222	682951	4.10%	0.313%
86	23.045	3386	3393	3398	rBV	4857031	12646274	75.90%	5.791%
87	23.221	3419	3423	3429	rVB	1023867	1673052	10.04%	0.766%
88	23.563	3476	3481	3491	rVB	3298221	7209794	43.27%	3.301%
89	23.668	3493	3499	3507	rVB	4798967	9747912	58.50%	4.463%
90	23.774	3512	3517	3522	rVV2	1767448	3971391	23.83%	1.818%
91	23.827	3523	3526	3536	rVB2	1638939	3401731	20.42%	1.558%
92	26.309	3939	3948	3960	rVB2	2487465	8213715	49.29%	3.761%
93	27.092	4074	4081	4095	rVB	1988720	6388064	38.34%	2.925%

Sum of corrected areas: 218392417

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
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Acq On : 24 Sep 2021 23:55
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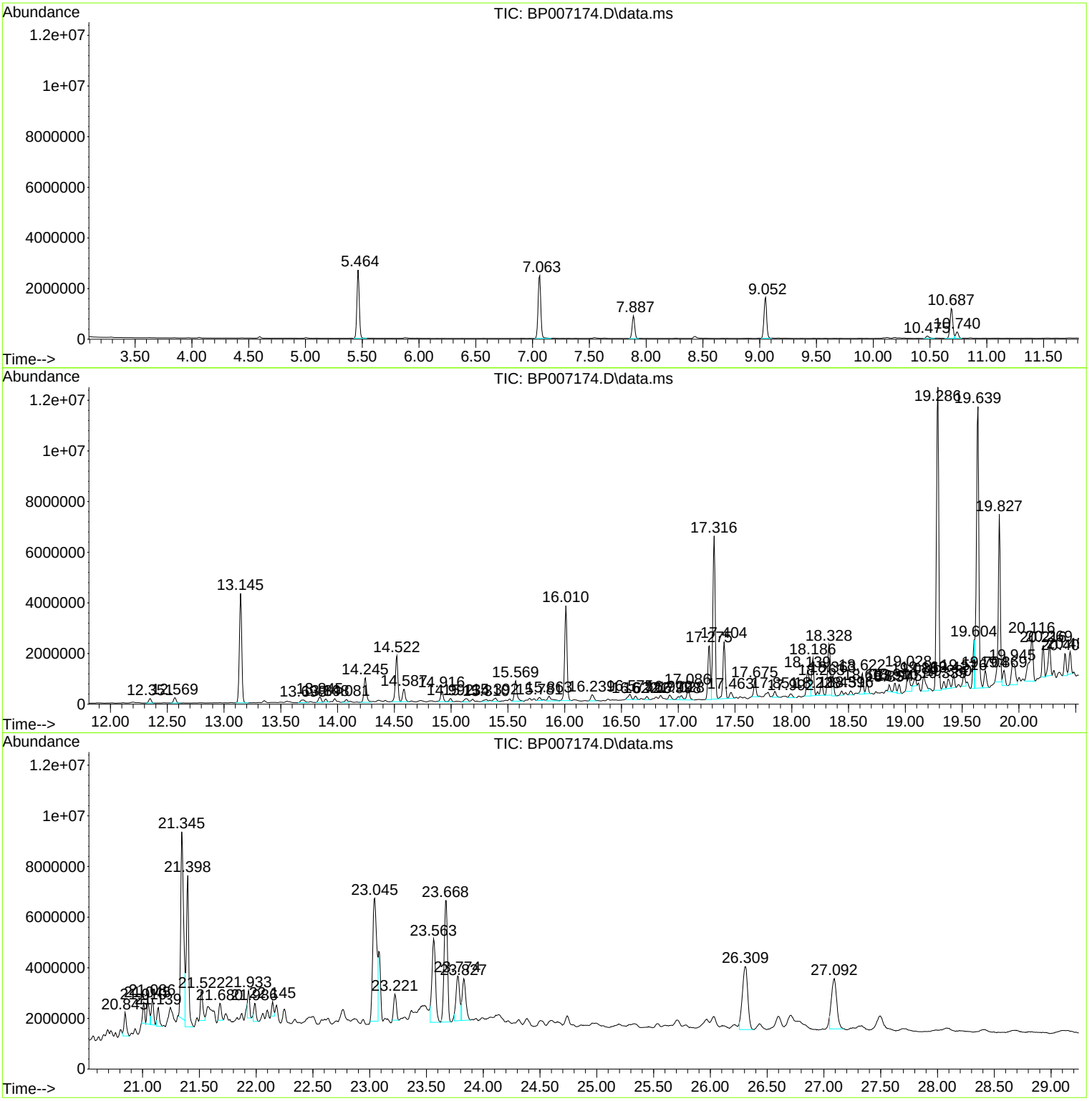
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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\BP092421\
Data File : BP007174.D
Acq On : 24 Sep 2021 23:55
Operator : CG/JU
Sample : M3917-16
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Instrument :
BNA_P
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

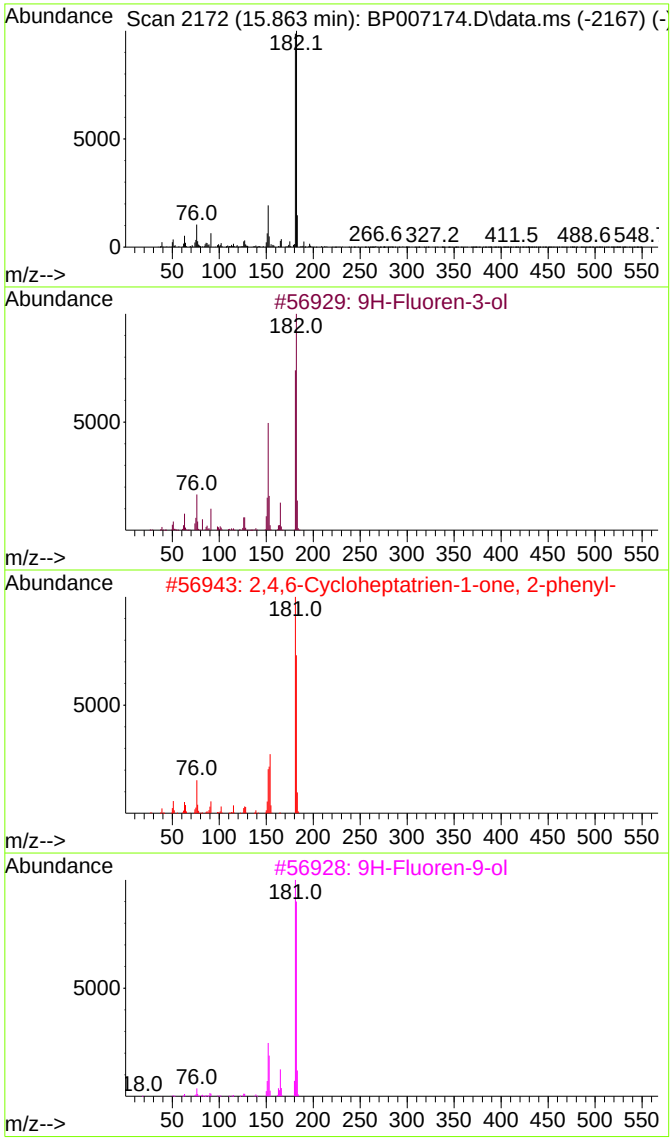
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

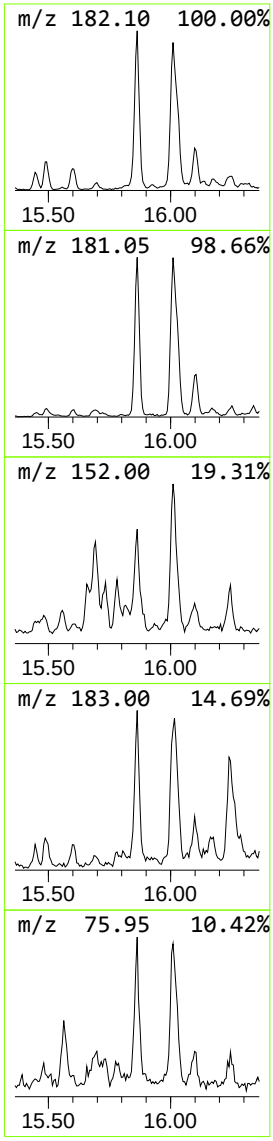
****

Peak Number 1 9H-Fluoren-3-ol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.863	3.08 ng	429858	Acenaphthene-d10	14.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	83
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007174.D
Acq On : 24 Sep 2021 23:55
Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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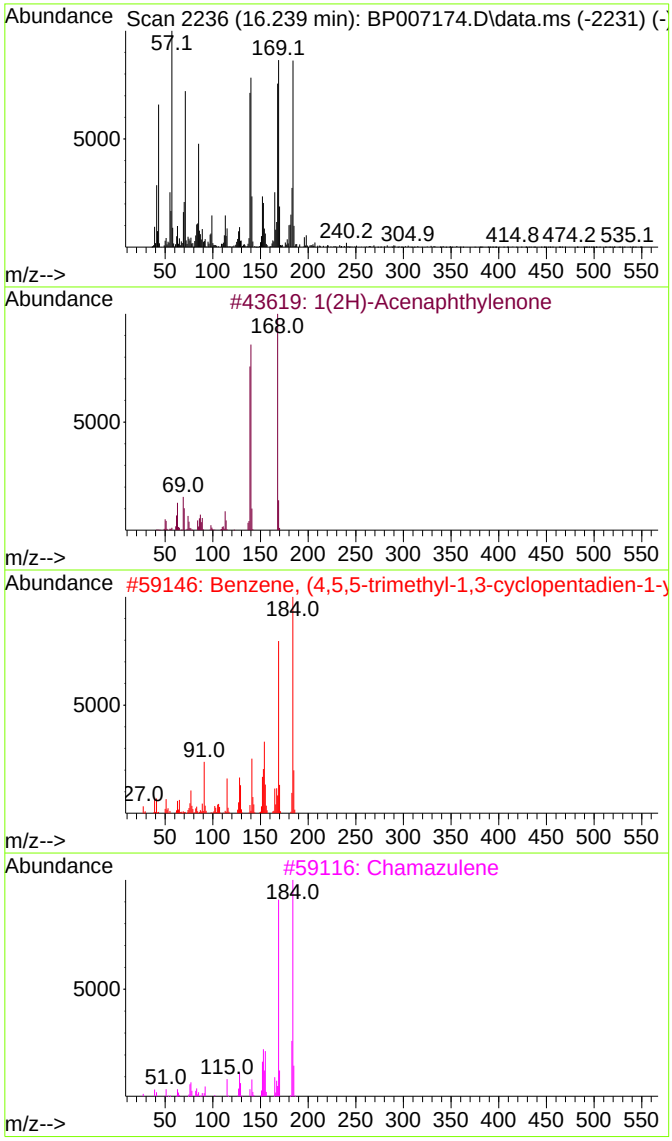
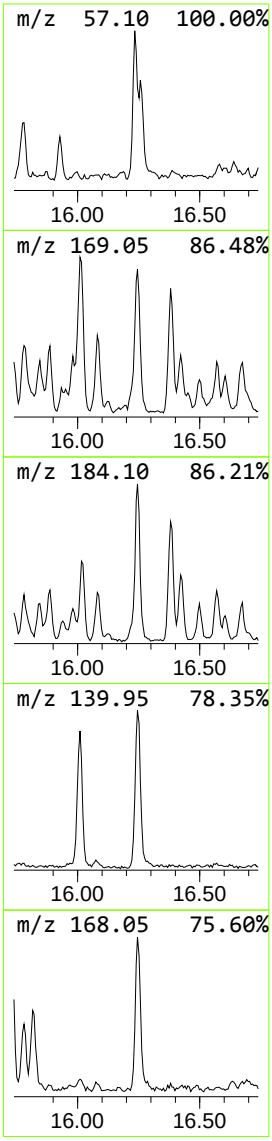
Peak Number 2 unknown16.239 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.239	2.82 ng	464180	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	46
2	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	41
3	Chamazulene	184	C14H16	000529-05-5	38
4	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	35
5	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	30





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Data File : BP007174.D
Acq On : 24 Sep 2021 23:55
Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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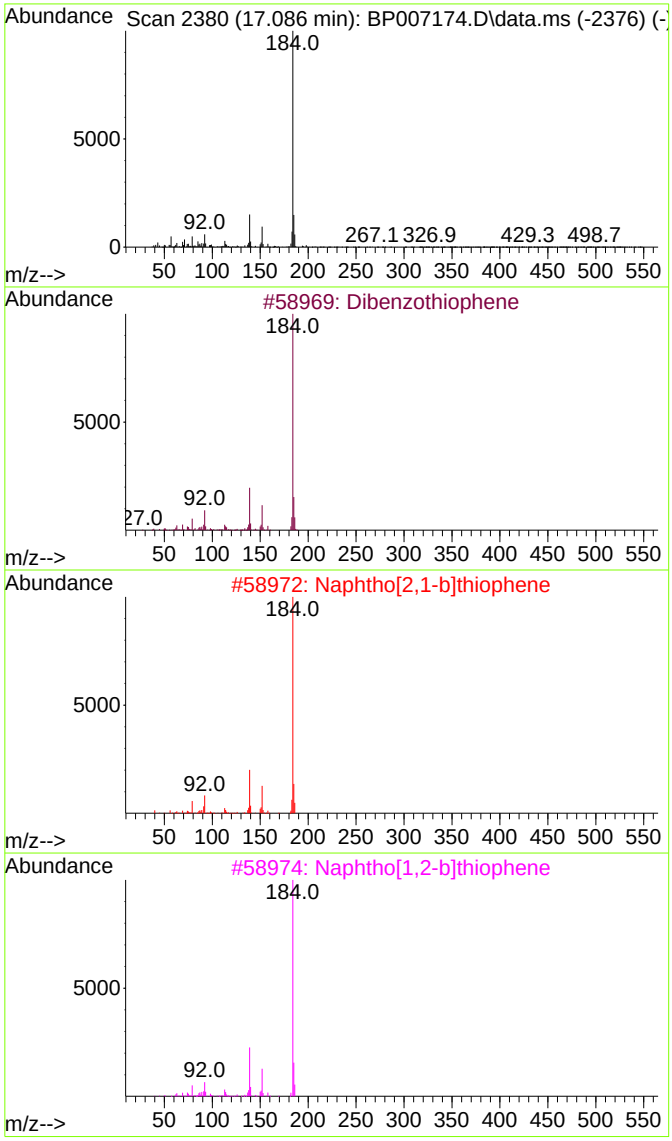
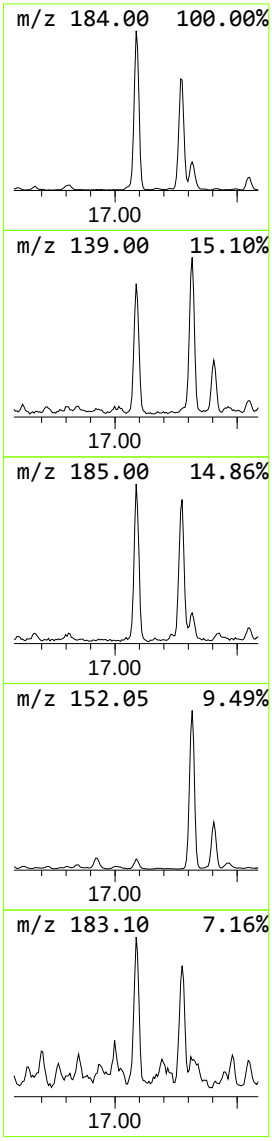
Peak Number 3 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.086	4.51 ng	741168	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
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Acq On : 24 Sep 2021 23:55
Operator : CG/JU
Sample : M3917-16
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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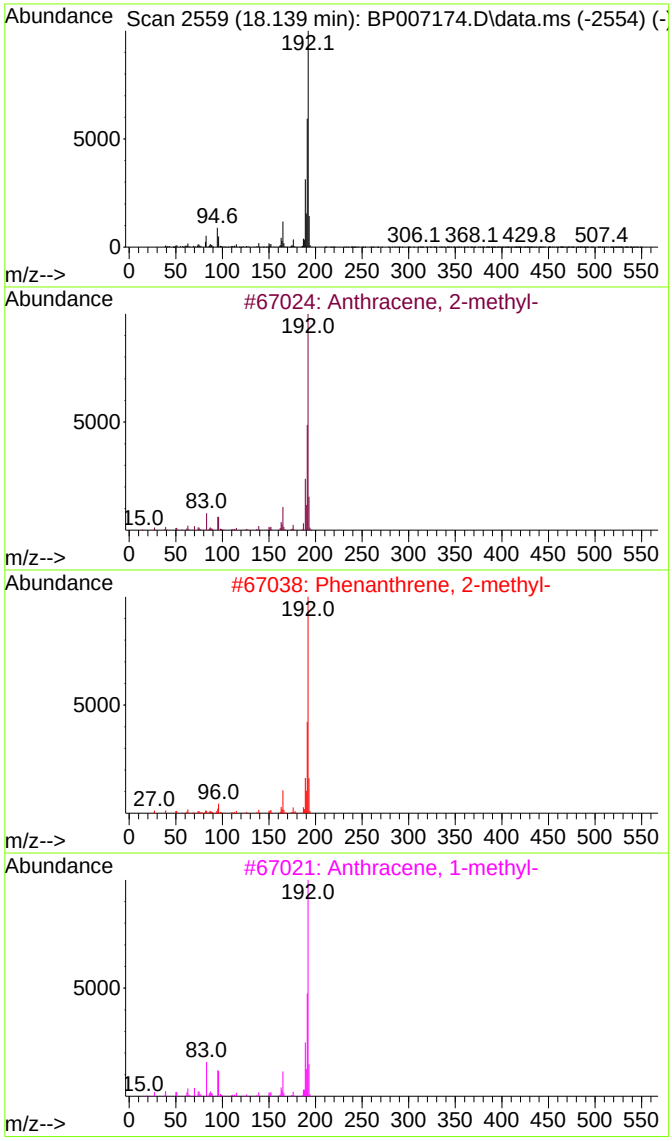
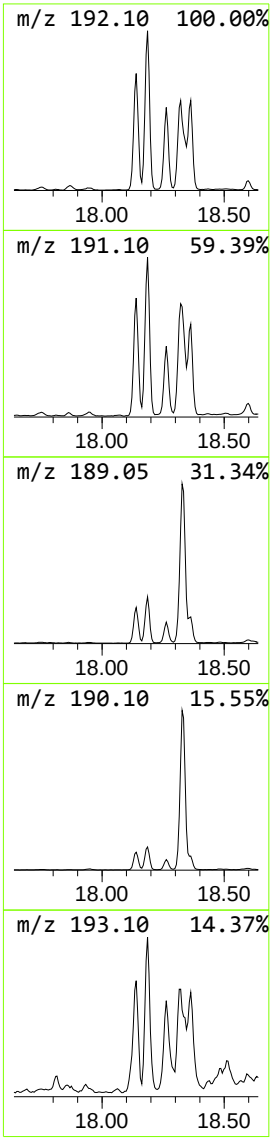
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.139	12.83 ng	2109670	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007174.D
Acq On : 24 Sep 2021 23:55
Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

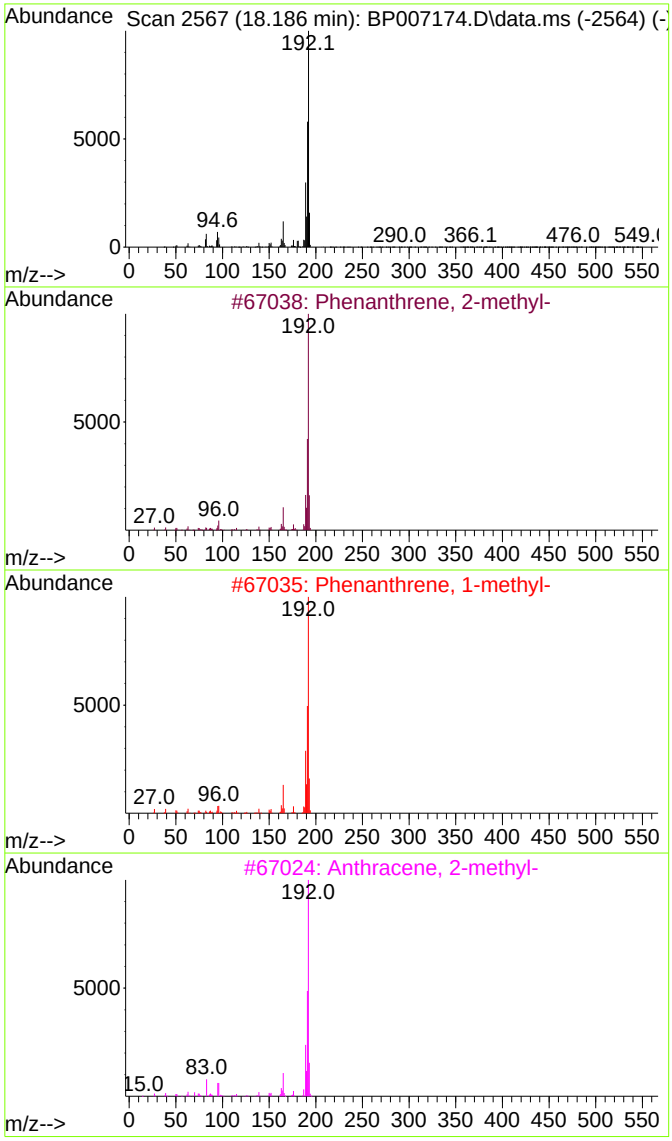
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

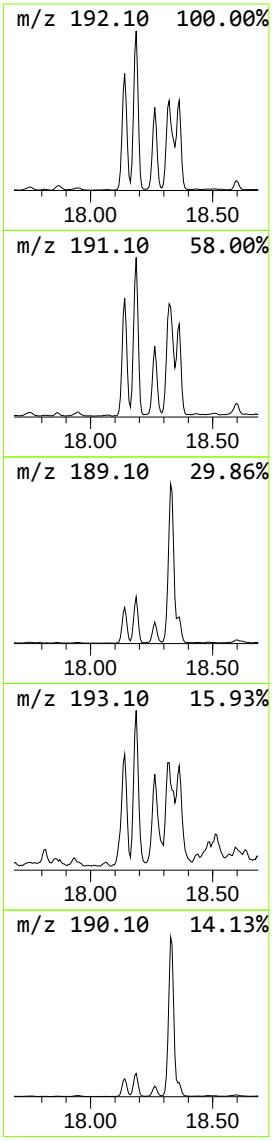
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.186	11.40 ng	1873700	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Data File : BP007174.D
Acq On : 24 Sep 2021 23:55
Operator : CG/JU
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-4

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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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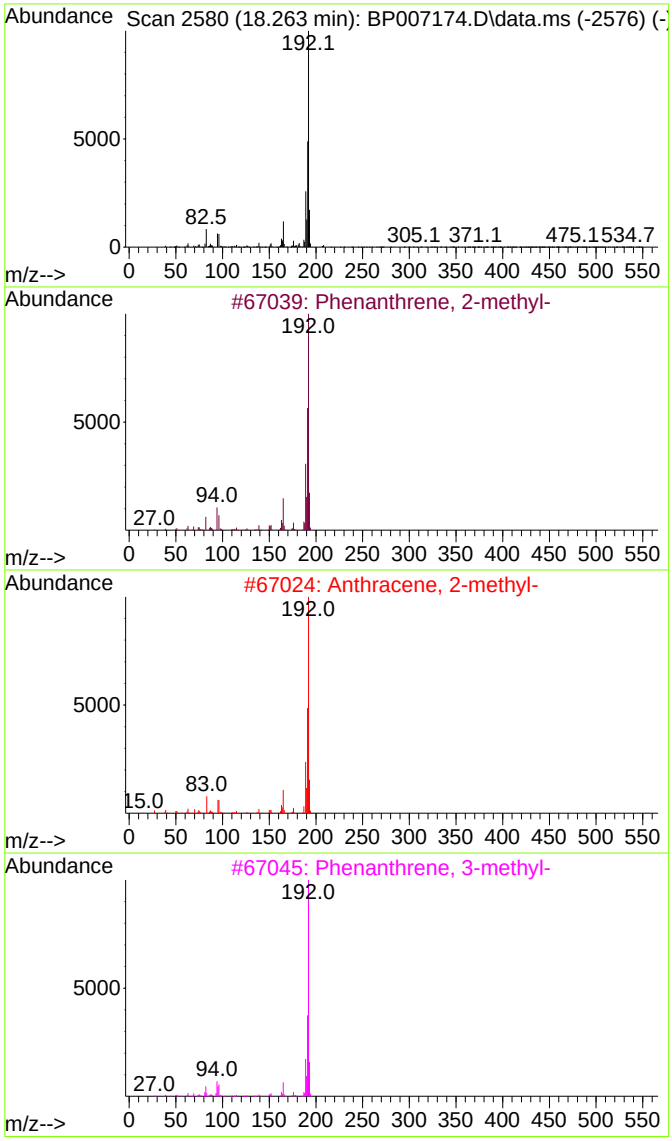
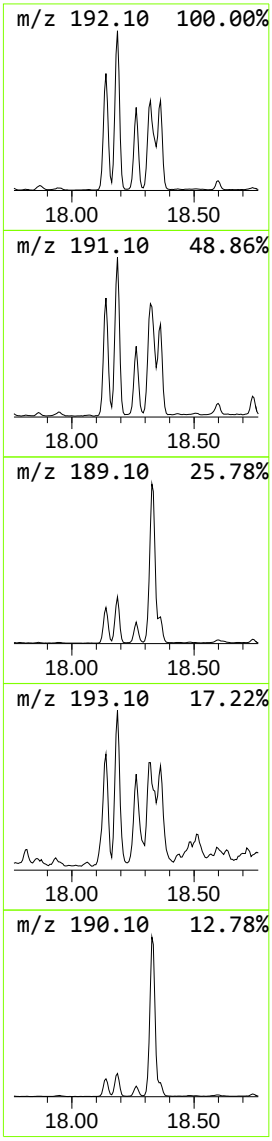
Peak Number 6 Phenanthrene, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.263	4.98 ng	819558	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Acq On : 24 Sep 2021 23:55
Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-4

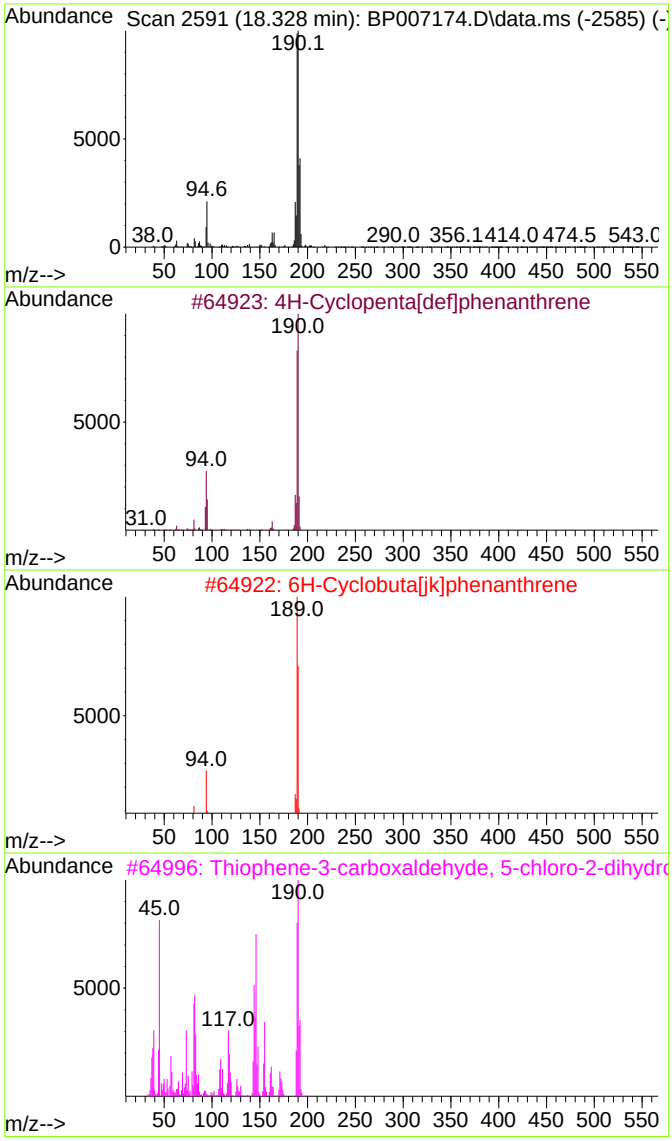
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

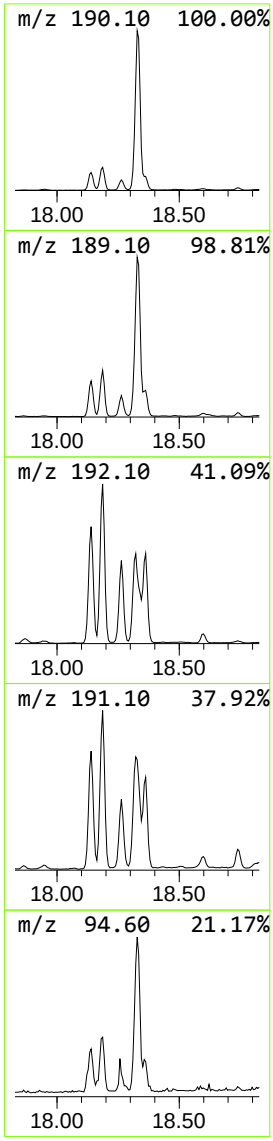
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.328	21.24 ng	3492800	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	Methyl diselenide	190	C2H6Se2	007101-31-7	46





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Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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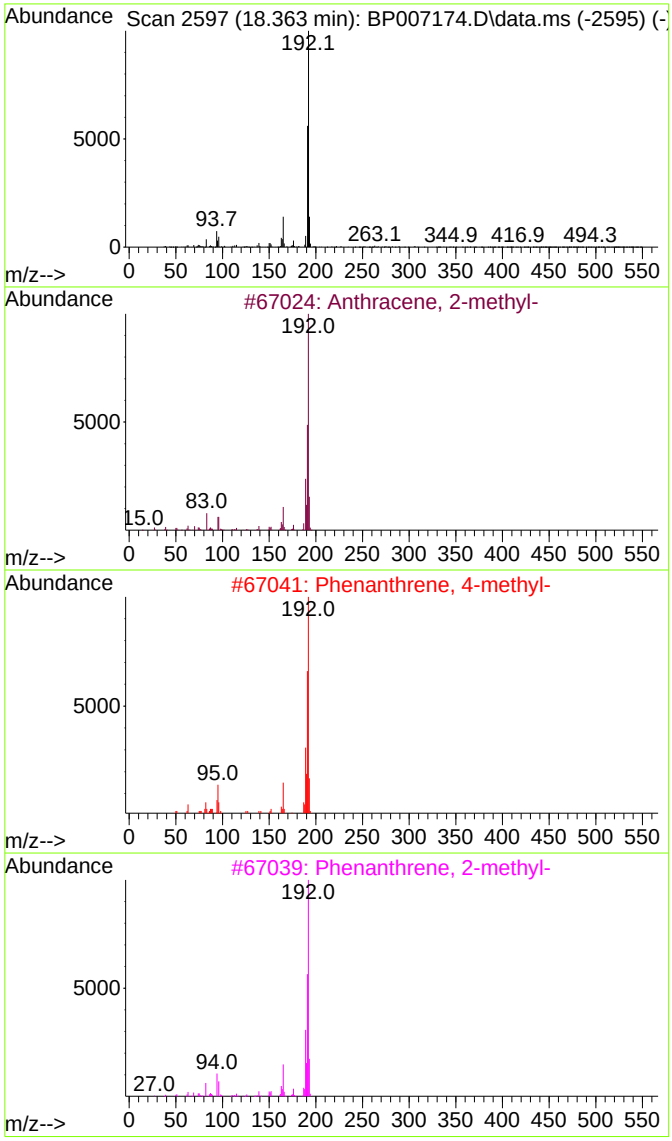
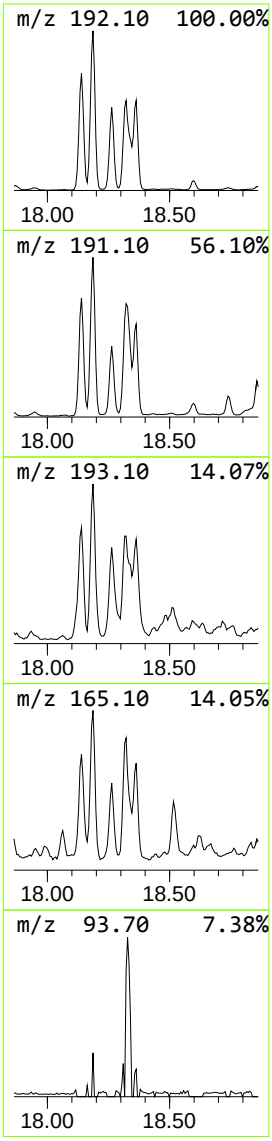
Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.363	5.08 ng	835174	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





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Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-4

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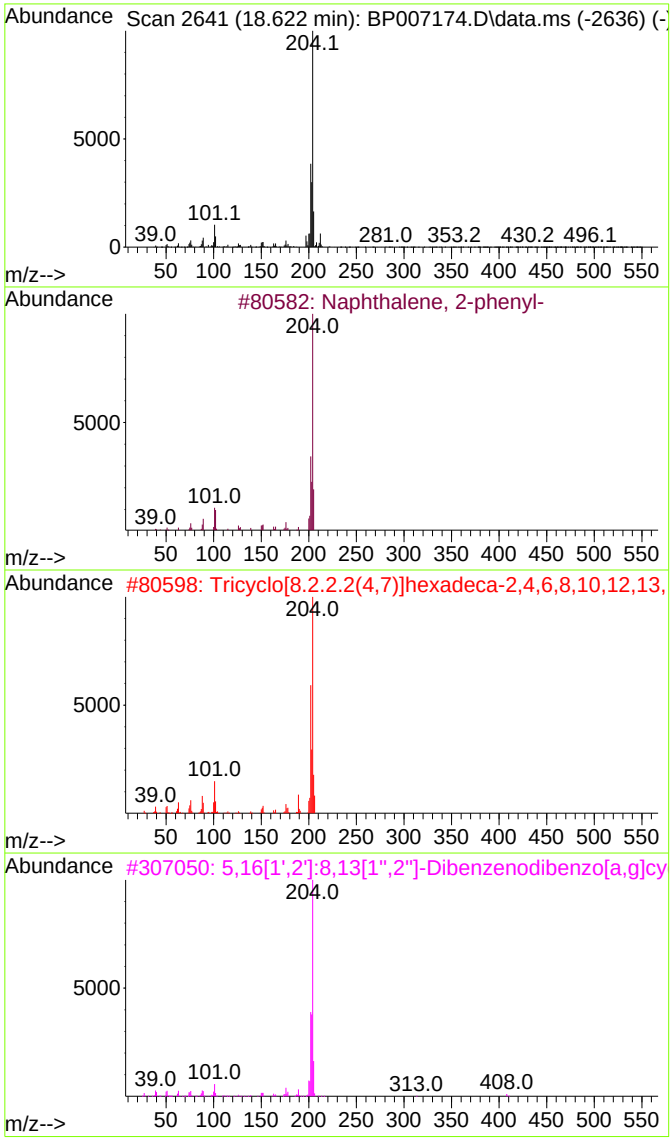
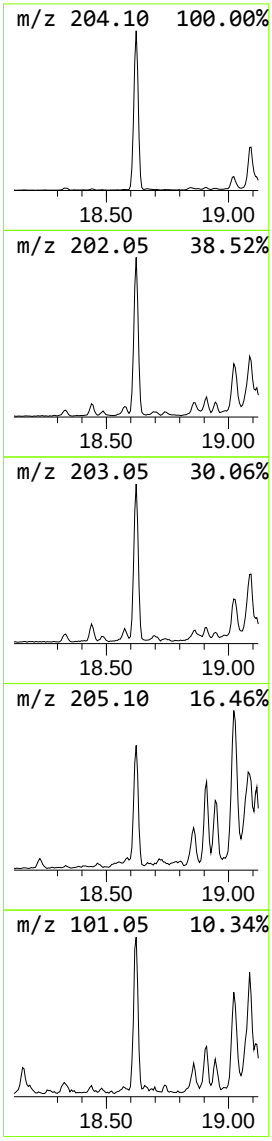
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.622	6.76 ng	1111040	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-4

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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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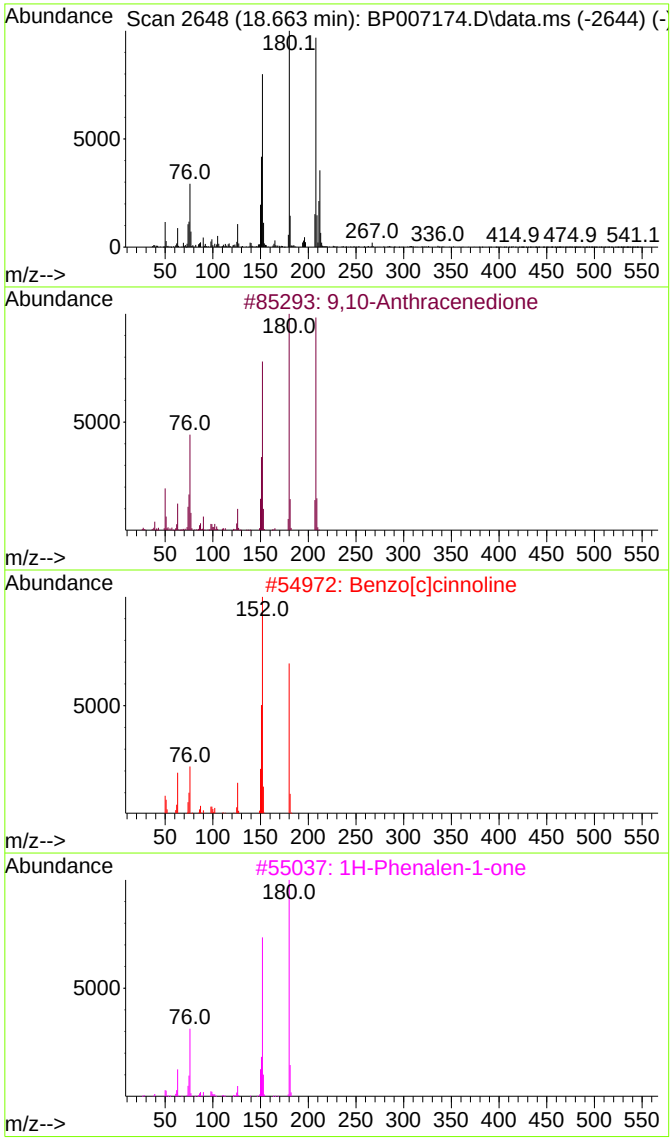
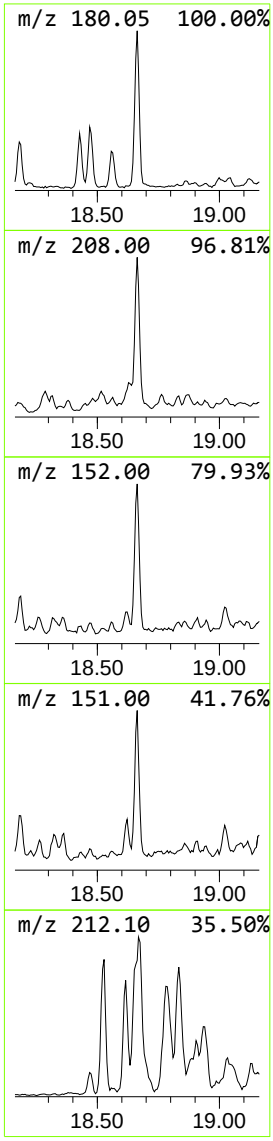
Peak Number 10 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.663	3.55 ng	584444	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46





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Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
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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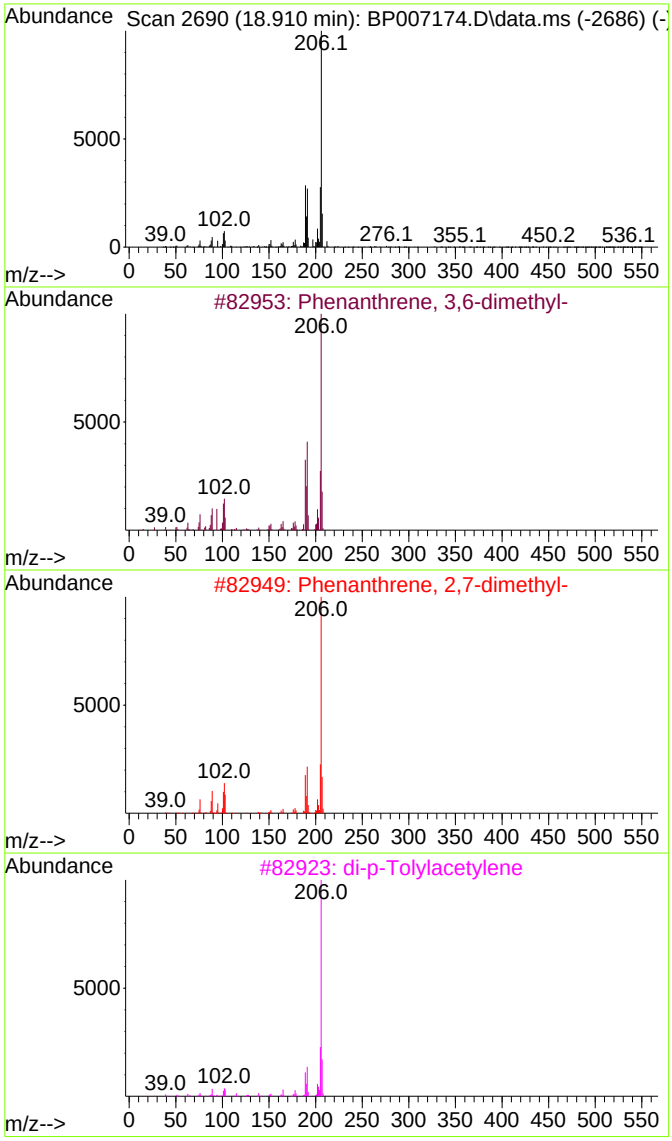
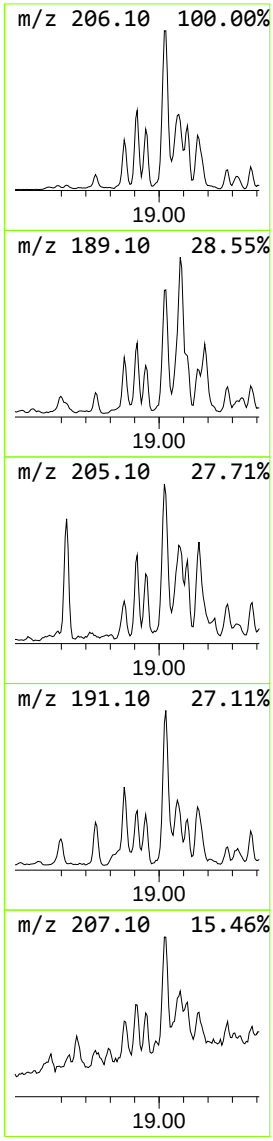
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.910	3.02 ng	497293	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81





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Acq On : 24 Sep 2021 23:55
Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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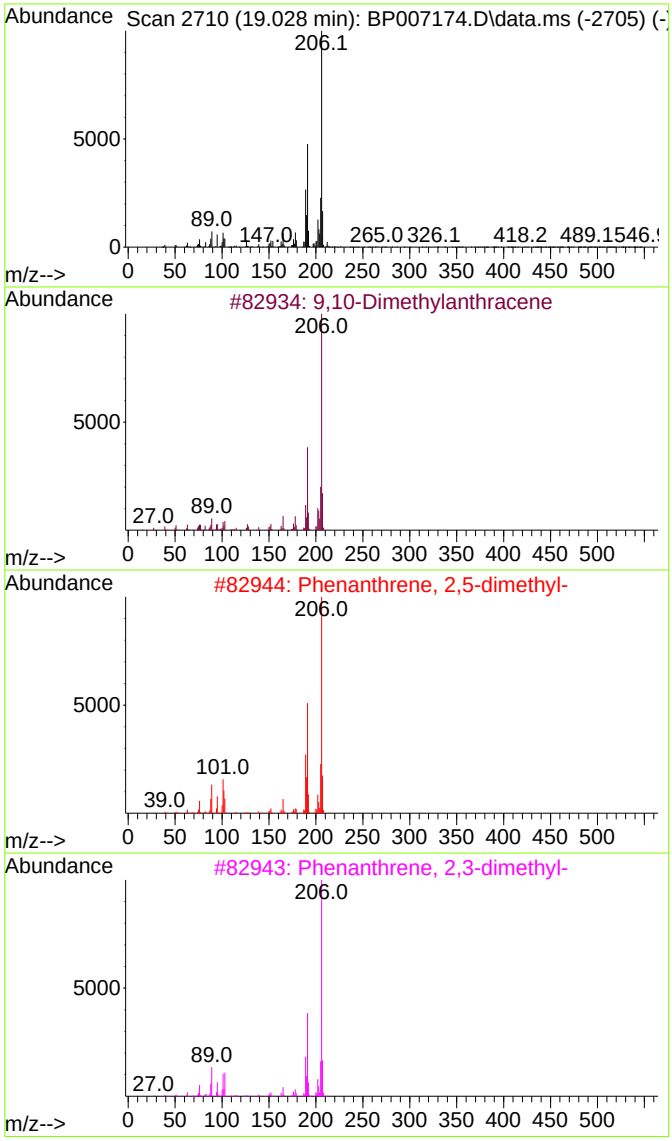
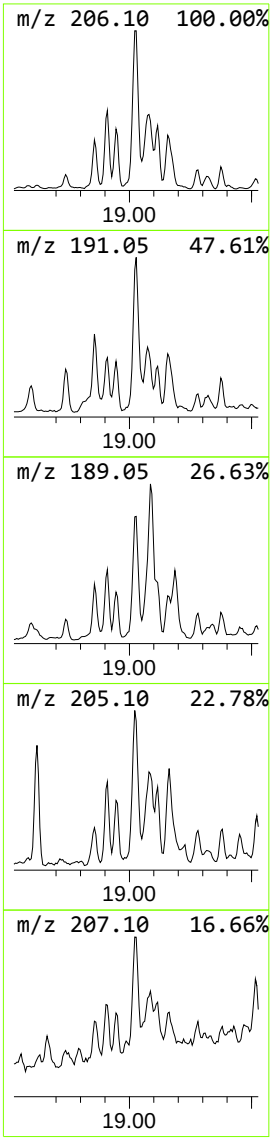
Peak Number 12 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.028	9.36 ng	1539160	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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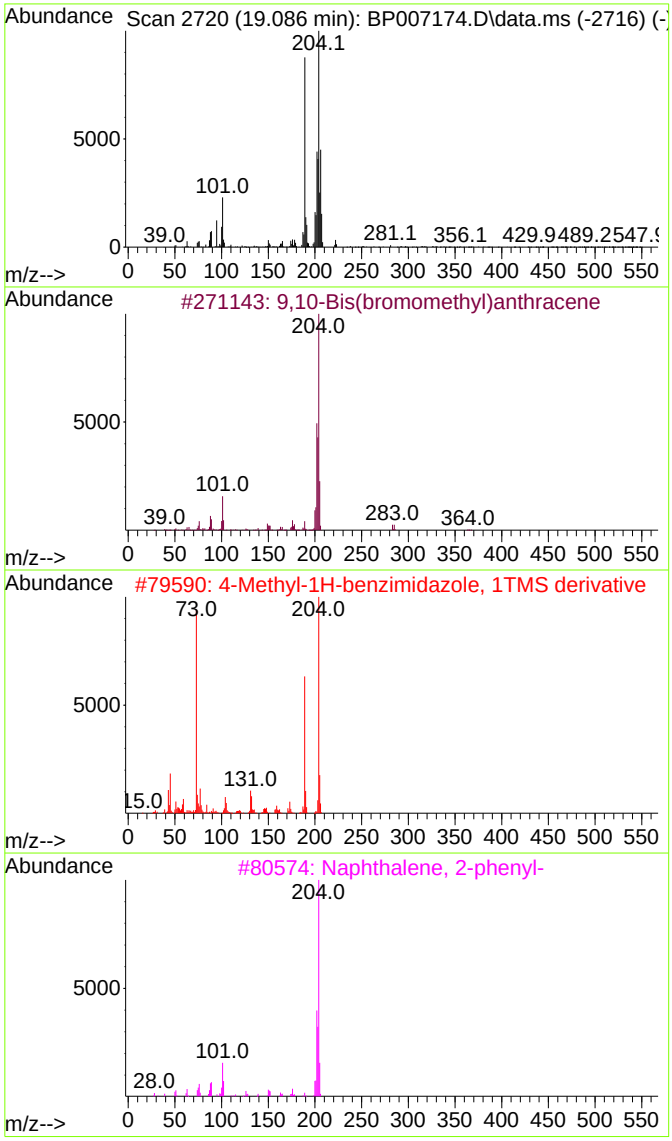
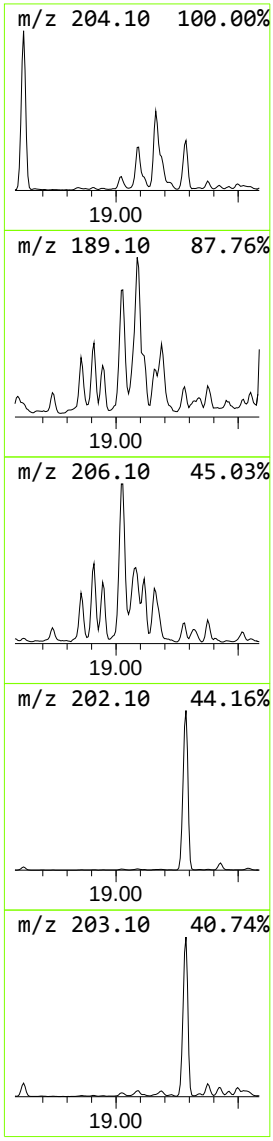
Peak Number 13 unknown19.086 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.086	2.73 ng	448705	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2	4-Methyl-1H-benzimidazole, 1TMS ...	204	C11H16N2Si	1000486-24-6	43
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38





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Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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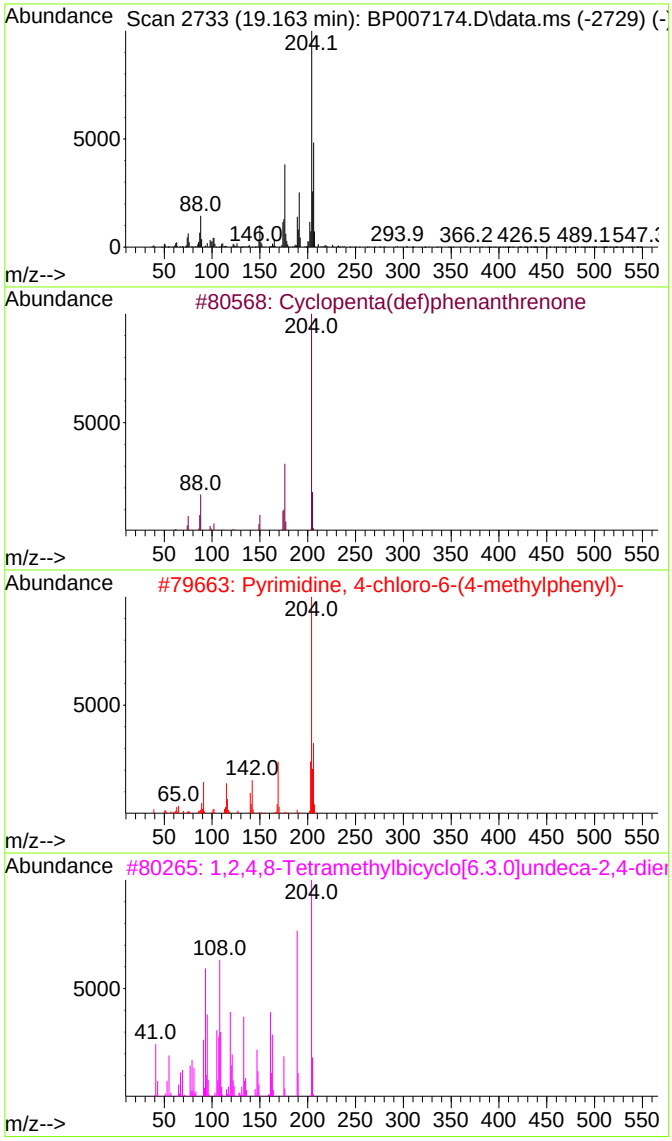
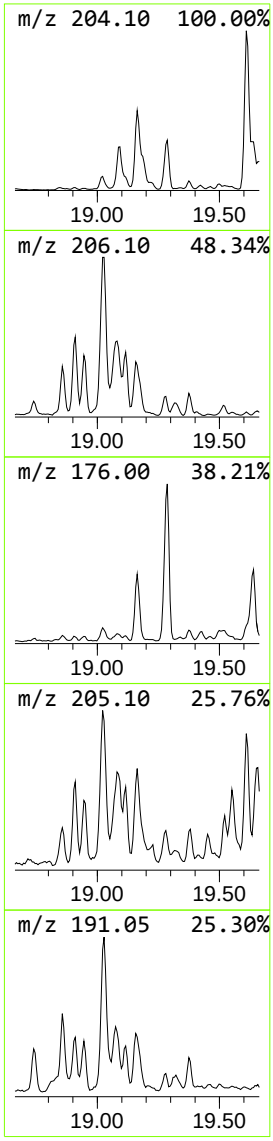
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.163	7.01 ng	1152520	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
4	2,4-Dichloro-3-ethyl-5-methylphe...	290	C13H16Cl2O3	1000487-42-8	38
5	3-(4-Fluorophenyl)-1-methylpyraz...	204	C11H9FN2O	689250-53-1	38





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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\NIST20.L
TIC Integration Parameters: LSCINT.P

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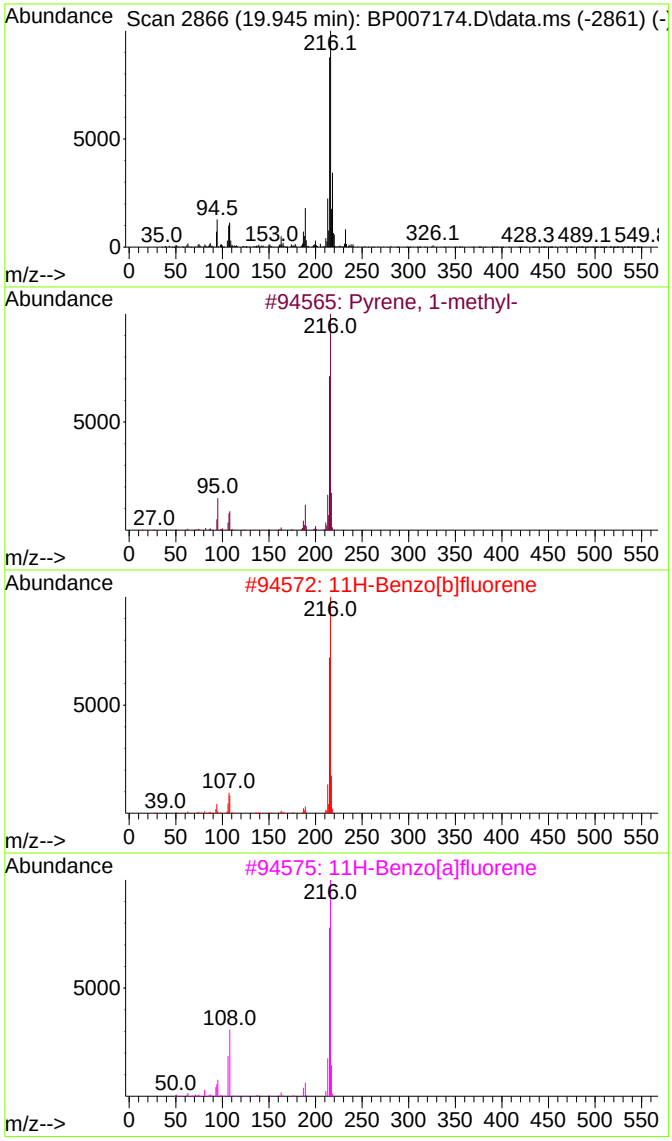
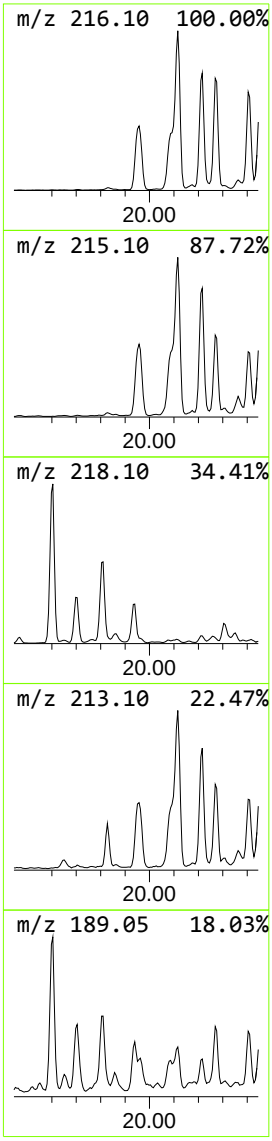
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.945	3.27 ng	2141040	Chrysene-d12	21.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





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Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-4

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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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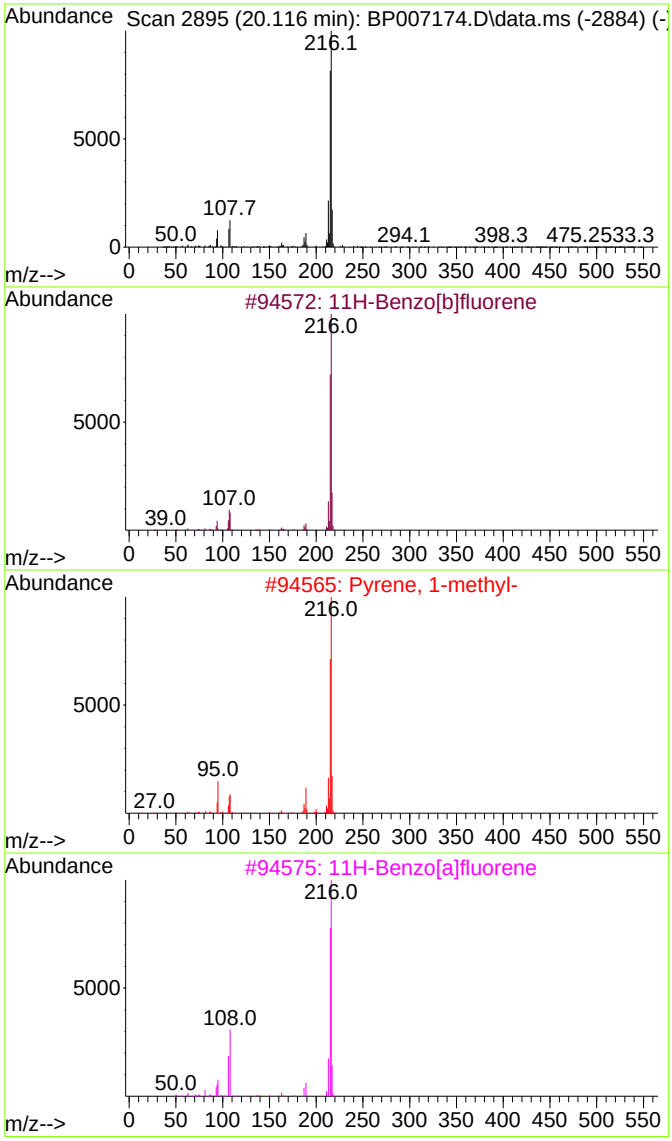
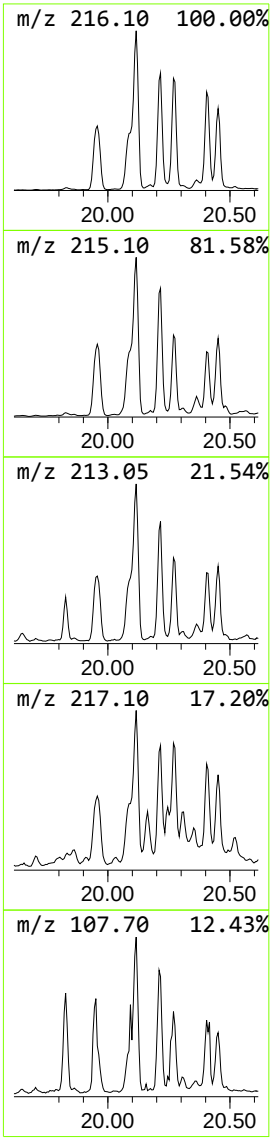
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.116	5.98 ng	3916030	Chrysene-d12	21.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-4

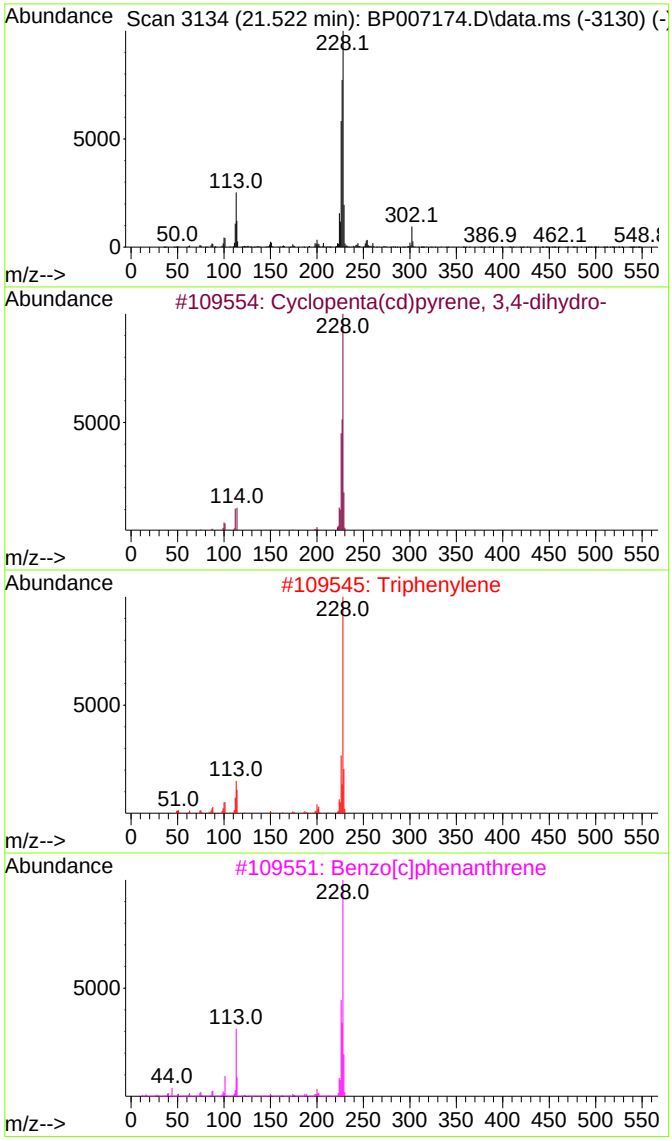
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

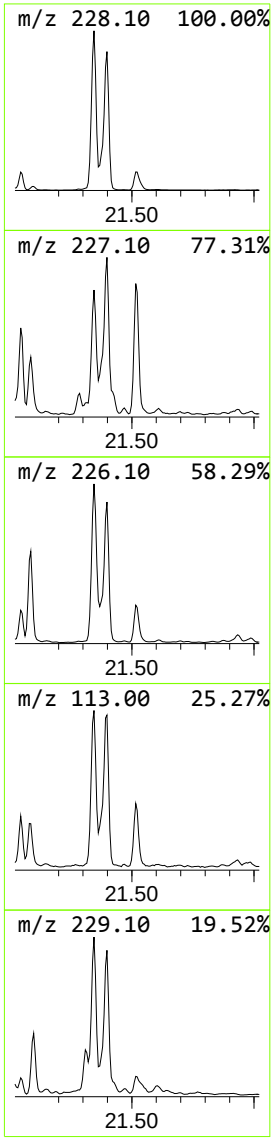
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.522	2.75 ng	1797670	Chrysene-d12	21.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	Triphenylene	228	C18H12	000217-59-4	86
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	70
4	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	52
5	Chrysene	228	C18H12	000218-01-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007174.D
Acq On : 24 Sep 2021 23:55
Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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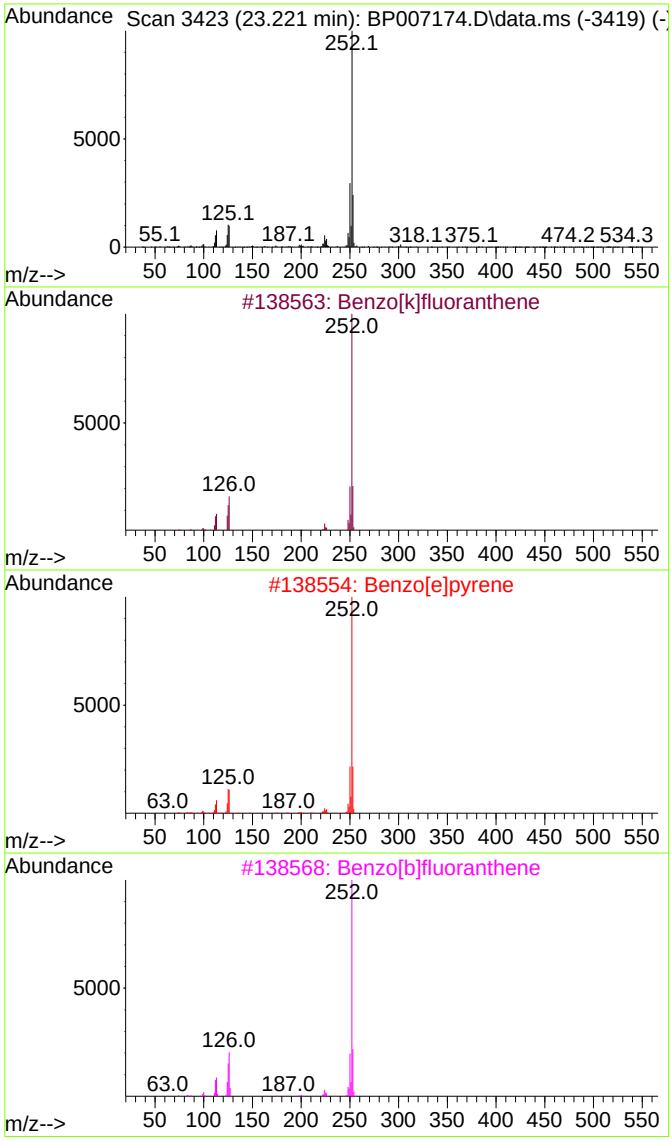
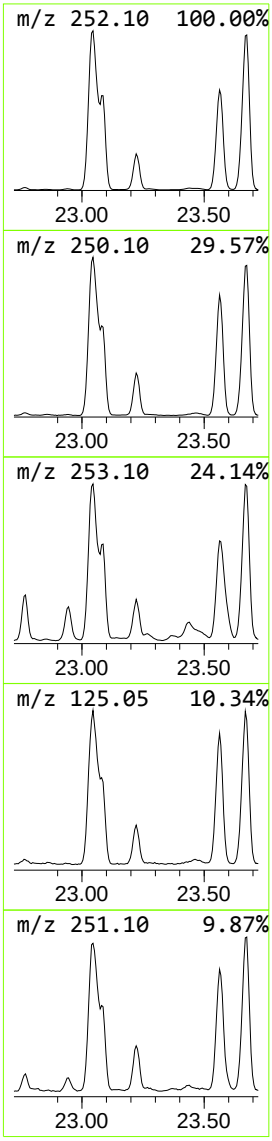
Peak Number 18 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.221	8.43 ng	1673050	Perylene-d12	23.774

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	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	81





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Data File : BP007174.D
Acq On : 24 Sep 2021 23:55
Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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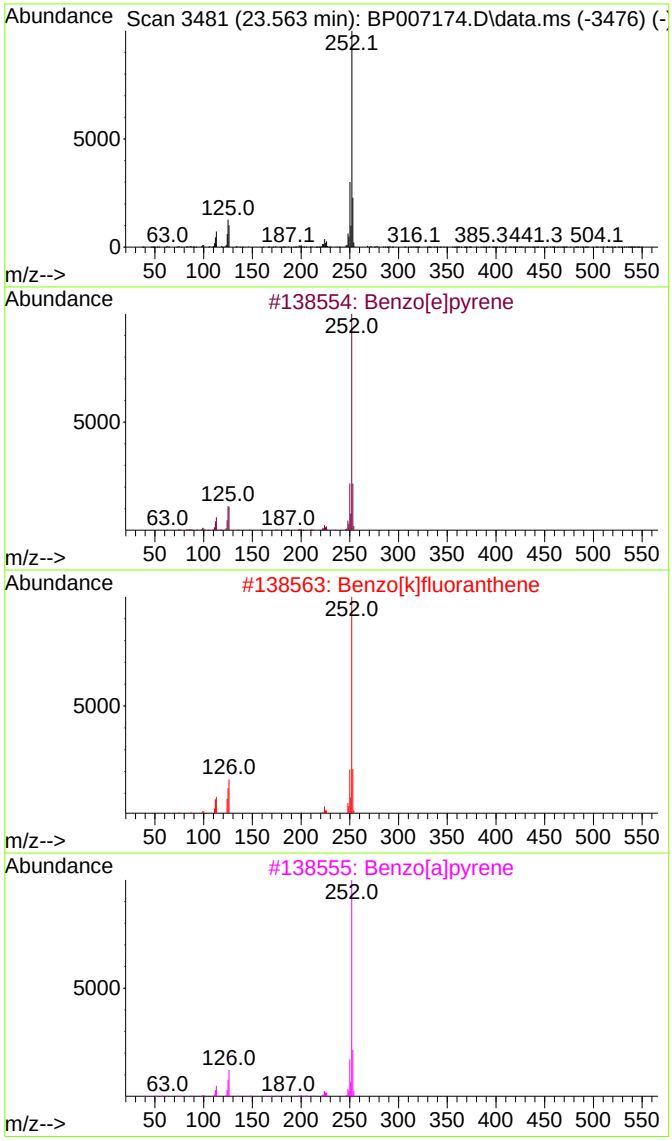
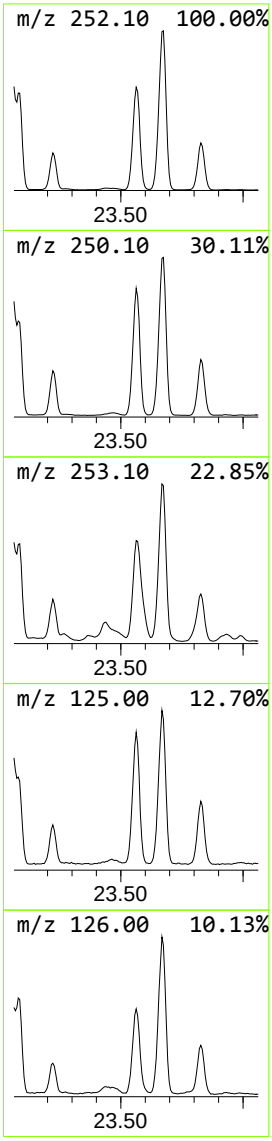
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.563	36.31 ng	7209790	Perylene-d12	23.774

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[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007174.D
Acq On : 24 Sep 2021 23:55
Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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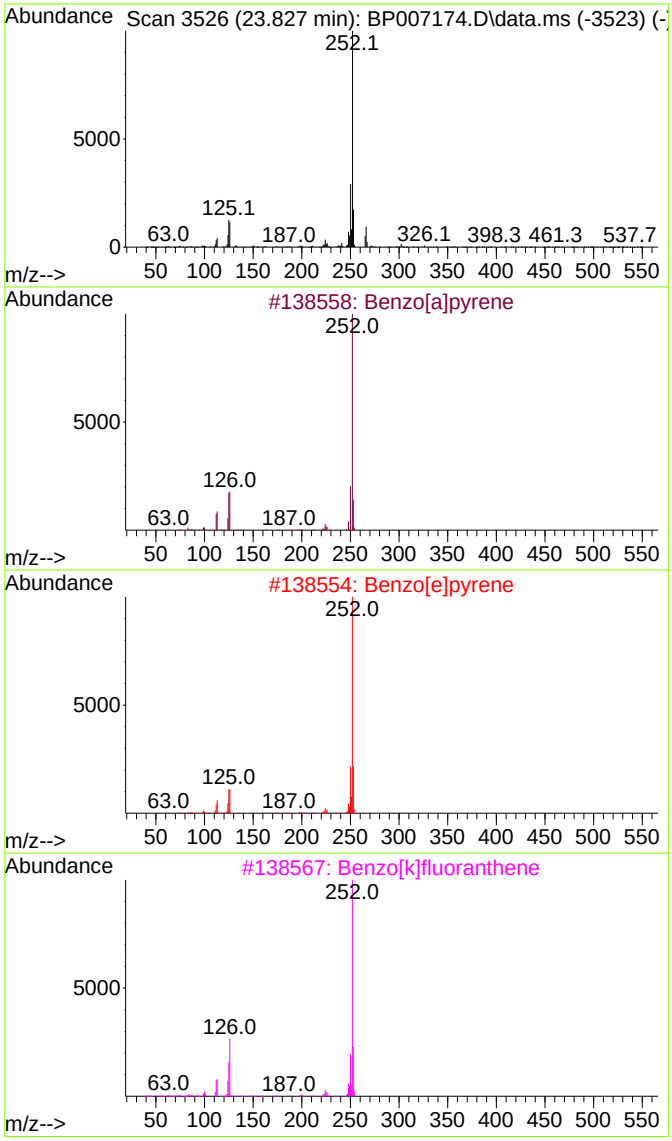
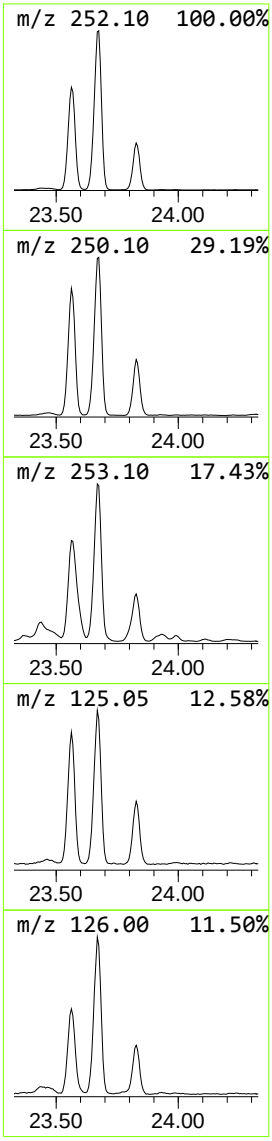
Peak Number 20 unknown23.827 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.827	17.13 ng	3401730	Perylene-d12	23.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	89
5	Perylene	252	C20H12	000198-55-0	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007174.D
Acq On : 24 Sep 2021 23:55
Operator : CG/JU
Sample : M3917-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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
9H-Fluoren-3-ol	15.863	3.1	ng	429858	3	14.522	2790030	20.0
unknown16.239	16.239	2.8	ng	464180	4	17.275	3288170	20.0
Dibenzothiophene	17.086	4.5	ng	741168	4	17.275	3288170	20.0
Anthracene, 2-m...	18.139	12.8	ng	2109670	4	17.275	3288170	20.0
Phenanthrene, 2...	18.186	11.4	ng	1873700	4	17.275	3288170	20.0
Phenanthrene, 3...	18.263	5.0	ng	819558	4	17.275	3288170	20.0
4H-Cyclopenta[d...	18.328	21.2	ng	3492800	4	17.275	3288170	20.0
Phenanthrene, 4...	18.363	5.1	ng	835174	4	17.275	3288170	20.0
Naphthalene, 2-...	18.622	6.8	ng	1111040	4	17.275	3288170	20.0
9,10-Anthracene...	18.663	3.5	ng	584444	4	17.275	3288170	20.0
Phenanthrene, 3...	18.910	3.0	ng	497293	4	17.275	3288170	20.0
9,10-Dimethylan...	19.028	9.4	ng	1539160	4	17.275	3288170	20.0
unknown19.086	19.086	2.7	ng	448705	4	17.275	3288170	20.0
Cyclopenta(def)...	19.163	7.0	ng	1152520	4	17.275	3288170	20.0
Pyrene, 1-methyl-	19.945	3.3	ng	2141040	5	21.363	13088500	20.0
11H-Benzo[b]flu...	20.116	6.0	ng	3916030	5	21.363	13088500	20.0
Cyclopenta(cd)p...	21.522	2.8	ng	1797670	5	21.363	13088500	20.0
Benzo[e]pyrene	23.221	8.4	ng	1673050	6	23.774	3971390	20.0
Perylene	23.563	36.3	ng	7209790	6	23.774	3971390	20.0
unknown23.827	23.827	17.1	ng	3401730	6	23.774	3971390	20.0