LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007177.D
Acq On : 25 Sep 2021 01:36
Operator : CG/JU
Sample : M3917-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-9

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: BP007177.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	415	rBV	2401000	3474140	20.30%	1.764%
2	7.063	667	676	693	rBV	2239983	3687818	21.55%	1.873%
3	7.887	809	816	825	rBV	840930	1317529	7.70%	0.669%
4	9.052	1007	1014	1024	rBV	1398744	2328734	13.61%	1.183%
5	10.481	1249	1257	1266	rBV	85016	175225	1.02%	0.089%
6	10.693	1284	1293	1297	rBV	1069110	1861596	10.88%	0.945%
7	10.740	1297	1301	1310	rVB	607041	983371	5.75%	0.499%
8	12.351	1566	1575	1582	rBV	391764	620528	3.63%	0.315%
9	12.569	1605	1612	1622	rVB	329956	521763	3.05%	0.265%
10	13.145	1703	1710	1722	rVB	3818187	5595841	32.70%	2.842%
11	13.357	1740	1746	1754	rBV2	140311	218832	1.28%	0.111%
12	13.551	1775	1779	1792	rVB	97058	201339	1.18%	0.102%
13	13.698	1795	1804	1811	rBV3	148516	404680	2.36%	0.206%
14	13.845	1823	1829	1834	rBV	292891	493758	2.89%	0.251%
15	13.898	1834	1838	1844	rVB	171716	240985	1.41%	0.122%
16	14.081	1861	1869	1872	rBV	148559	230433	1.35%	0.117%
17	14.245	1888	1897	1907	rBV	585323	936323	5.47%	0.476%
18	14.522	1934	1944	1949	rBV	1746084	2659295	15.54%	1.351%
19	14.587	1949	1955	1962	rVB	1288182	1951768	11.40%	0.991%
20	14.734	1973	1980	1988	rBV	73006	184064	1.08%	0.093%
21	14.828	1988	1996	2001	rBV2	83827	181736	1.06%	0.092%
22	14.922	2006	2012	2019	rVV	855305	1322853	7.73%	0.672%
23	14.998	2020	2025	2030	rVB	153397	207336	1.21%	0.105%
24	15.134	2043	2048	2053	rVB6	111375	227438	1.33%	0.116%
25	15.310	2070	2078	2081	rBV2	101059	218996	1.28%	0.111%
26	15.569	2116	2122	2134	rVB	1737945	2589464	15.13%	1.315%
27	15.734	2146	2150	2154	rVB3	183607	257916	1.51%	0.131%
28	15.863	2167	2172	2181	rVB	254165	388578	2.27%	0.197%
29	16.010	2189	2197	2205	rBV	3473288	5193676	30.35%	2.638%
30	16.245	2232	2237	2244	rVB2	175760	335830	1.96%	0.171%
31	16.575	2286	2293	2298	rVV2	287852	496822	2.90%	0.252%
32	16.622	2298	2301	2307	rVB2	163038	235677	1.38%	0.120%
33	16.728	2315	2319	2324	rVB2	156950	228032	1.33%	0.116%
34	16.804	2324	2332	2335	rBV3	107594	244990	1.43%	0.124%
35	16.928	2349	2353	2359	rVB3	161024	254654	1.49%	0.129%
36	17.086	2376	2380	2389	rVB	636773	1021466	5.97%	0.519%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007177.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-9

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	17.275	2406	2412	2415	rBV	1981006	3027789	17.69%	1.538%
38	17.322	2415	2420	2425	rVV	10319466	15341261	89.64%	7.791%
39	17.410	2425	2435	2440	rVV	3302870	5016093	29.31%	2.548%
40	17.469	2440	2445	2450	rVV2	277677	453734	2.65%	0.230%
41	17.675	2471	2480	2486	rBV2	1109065	1896701	11.08%	0.963%
42	17.792	2494	2500	2504	rBV3	187233	305625	1.79%	0.155%
43	17.851	2506	2510	2517	rVB3	262276	427548	2.50%	0.217%
44	17.992	2530	2534	2541	rVB	170779	298561	1.74%	0.152%
45	18.139	2554	2559	2564	rBV	1383621	2525939	14.76%	1.283%
46	18.186	2564	2567	2573	rVB	1838656	2386228	13.94%	1.212%
47	18.263	2576	2580	2585	rVV	699810	940498	5.50%	0.478%
48	18.328	2585	2591	2595	rVV3	2310942	3995964	23.35%	2.029%
49	18.363	2595	2597	2602	rVB	899560	982518	5.74%	0.499%
50	18.439	2606	2610	2613	rVV2	127221	179594	1.05%	0.091%
51	18.622	2637	2641	2645	rBV	909776	1123959	6.57%	0.571%
52	18.663	2645	2648	2653	rVB2	289449	404080	2.36%	0.205%
53	18.863	2678	2682	2685	rVV	262326	316876	1.85%	0.161%
54	18.910	2686	2690	2693	rVV	400139	484524	2.83%	0.246%
55	18.945	2693	2696	2700	rVB	322855	402070	2.35%	0.204%
56	19.028	2705	2710	2714	rBV	825210	1353321	7.91%	0.687%
57	19.086	2716	2720	2723	rVV2	313154	431986	2.52%	0.219%
58	19.163	2729	2733	2741	rBV3	378718	834652	4.88%	0.424%
59	19.286	2748	2754	2759	rBV	12715332	17113979	100.00%	8.692%
60	19.339	2760	2763	2766	rVV2	241907	310253	1.81%	0.158%
61	19.380	2766	2770	2774	rVV2	382648	657894	3.84%	0.334%
62	19.428	2775	2778	2781	rVB2	273846	347582	2.03%	0.177%
63	19.516	2790	2793	2796	rBV	342919	410257	2.40%	0.208%
64	19.610	2803	2809	2810	rBV2	2276559	3294486	19.25%	1.673%
65	19.639	2810	2814	2821	rVV	10972866	15172894	88.66%	7.706%
66	19.704	2821	2825	2831	rVB2	624618	985277	5.76%	0.500%
67	19.827	2839	2846	2850	rBV2	6137189	7952969	46.47%	4.039%
68	19.869	2850	2853	2858	rVB	642154	898534	5.25%	0.456%
69	19.957	2861	2868	2873	rBV3	744268	1918532	11.21%	0.974%
70	20.004	2873	2876	2879	rBV	233101	257574	1.51%	0.131%
71	20.086	2885	2890	2891	rBV3	440283	741970	4.34%	0.377%
72	20.116	2891	2895	2900	rVB	2211207	3160566	18.47%	1.605%
73	20.216	2907	2912	2916	rBV	2118404	2730138	15.95%	1.387%
74	20.269	2916	2921	2925	rVV2	1160035	1814072	10.60%	0.921%
75	20.310	2925	2928	2931	rVB2	317779	380442	2.22%	0.193%
76	20.410	2941	2945	2948	rBV	685507	901988	5.27%	0.458%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
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Acq On : 25 Sep 2021 01:36
Operator : CG/JU
Sample : M3917-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-9

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

77	20.451	2949	2952	2956	rVB	751048	879572	5.14%	0.447%
78	21.010	3044	3047	3050	rBV	731089	828148	4.84%	0.421%
79	21.045	3050	3053	3057	rVV	947800	1288741	7.53%	0.655%
80	21.086	3058	3060	3065	rVB2	820210	1066015	6.23%	0.541%
81	21.345	3099	3104	3109	rBV3	7397621	12682440	74.11%	6.441%
82	21.398	3109	3113	3122	rVB	5550810	7708563	45.04%	3.915%
83	21.522	3130	3134	3139	rBV	1119353	1613505	9.43%	0.819%
84	21.680	3158	3161	3167	rVB3	722239	1094224	6.39%	0.556%
85	23.045	3386	3393	3397	rBV	3744274	9274539	54.19%	4.710%
86	23.221	3420	3423	3430	rVB	950388	1559708	9.11%	0.792%
87	23.563	3476	3481	3491	rVB	2381284	5071458	29.63%	2.576%
88	23.668	3493	3499	3506	rVB	4084186	8062351	47.11%	4.095%
89	23.774	3513	3517	3522	rVB2	1255625	2098652	12.26%	1.066%

Sum of corrected areas: 196900330

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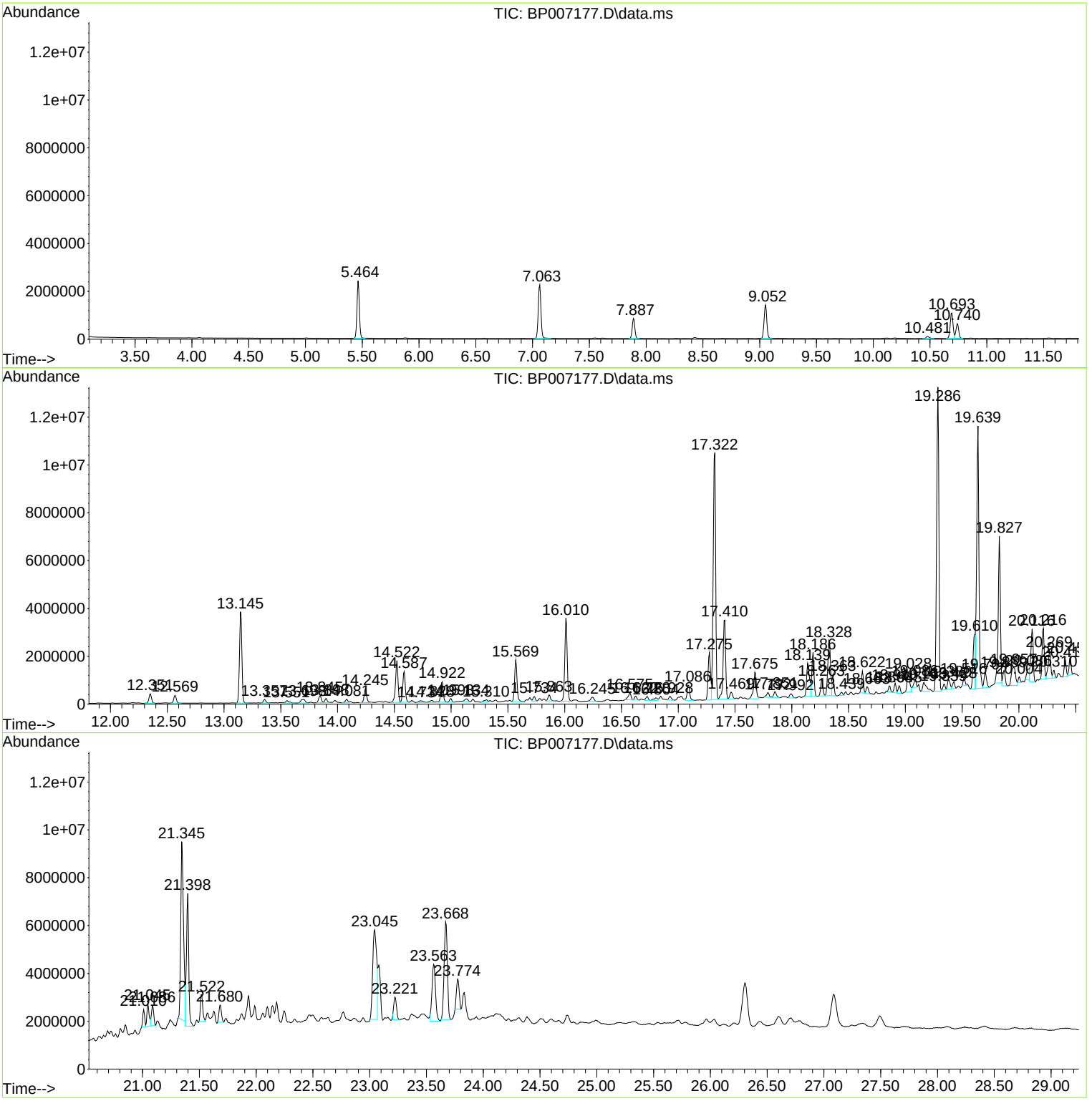
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

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 : BP007177.D
Acq On : 25 Sep 2021 01:36
Operator : CG/JU
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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

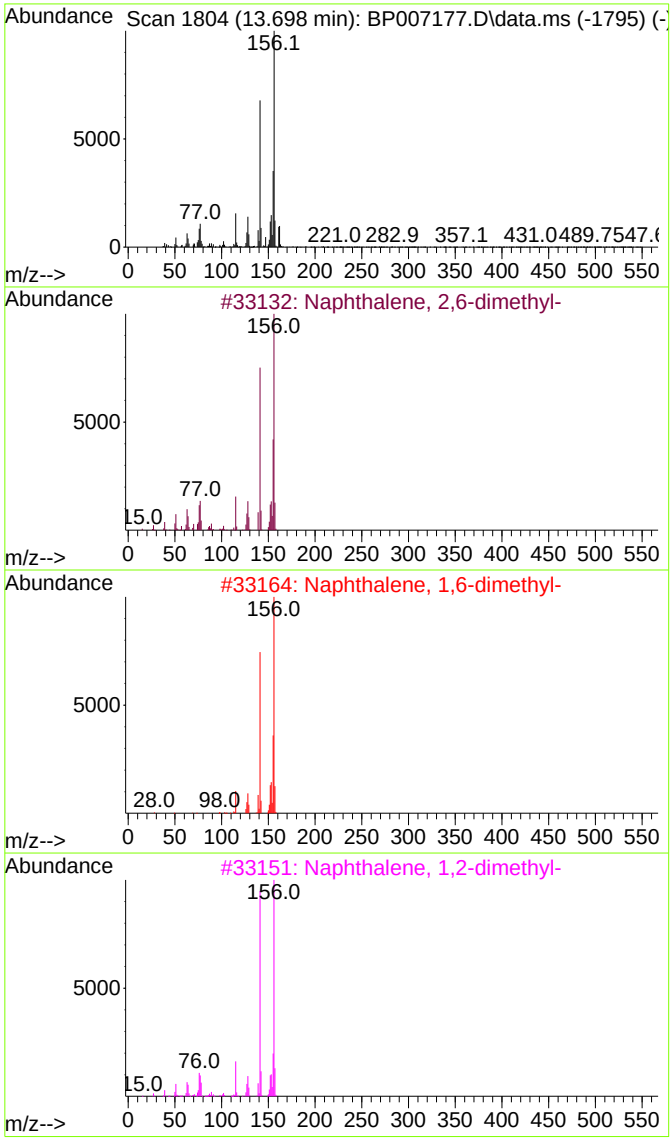
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

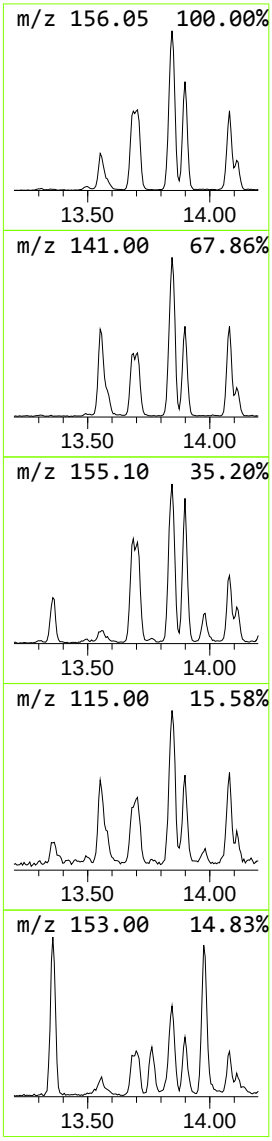
****

Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.698	3.04 ng	404680	Acenaphthene-d10	14.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007177.D
Acq On : 25 Sep 2021 01:36
Operator : CG/JU
Sample : M3917-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

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

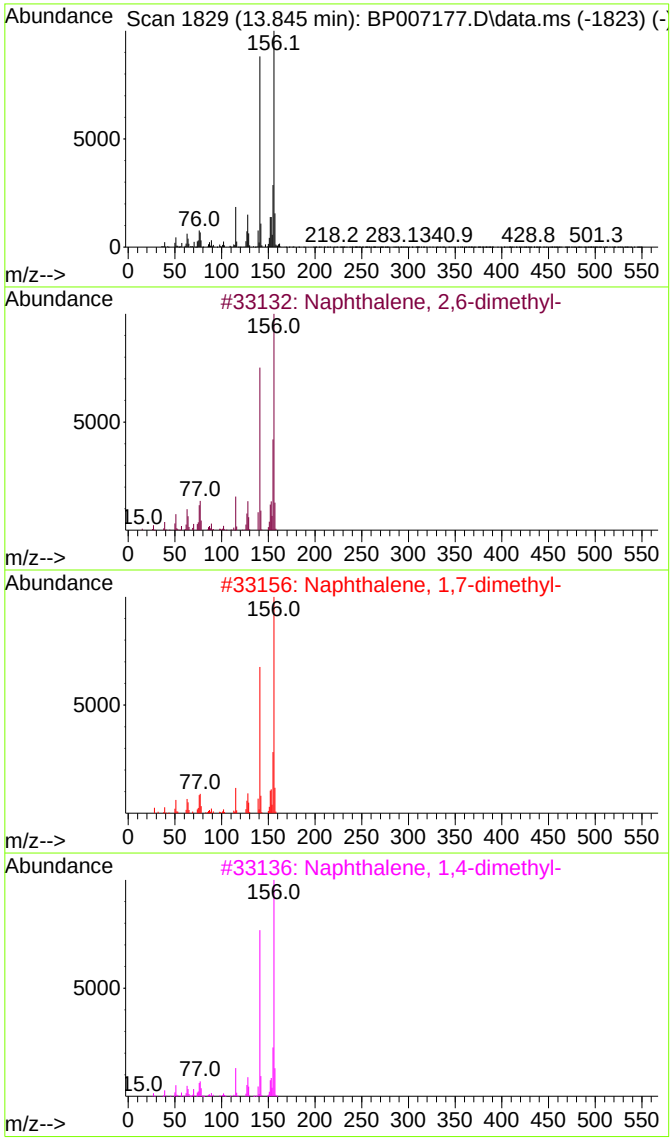
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

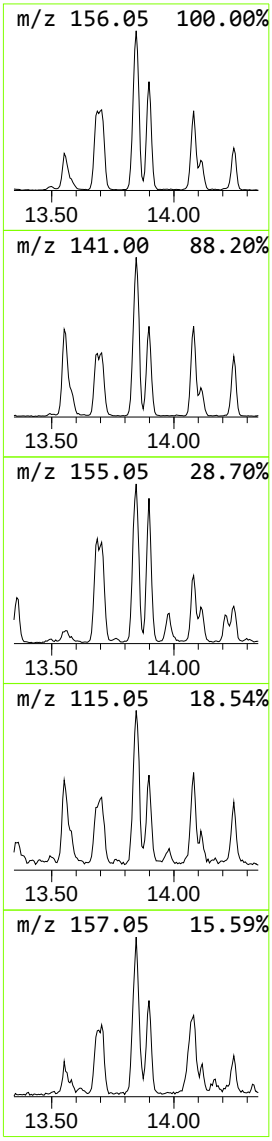
****

Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.845	3.71 ng	493758	Acenaphthene-d10	14.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007177.D
Acq On : 25 Sep 2021 01:36
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Sample : M3917-10
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

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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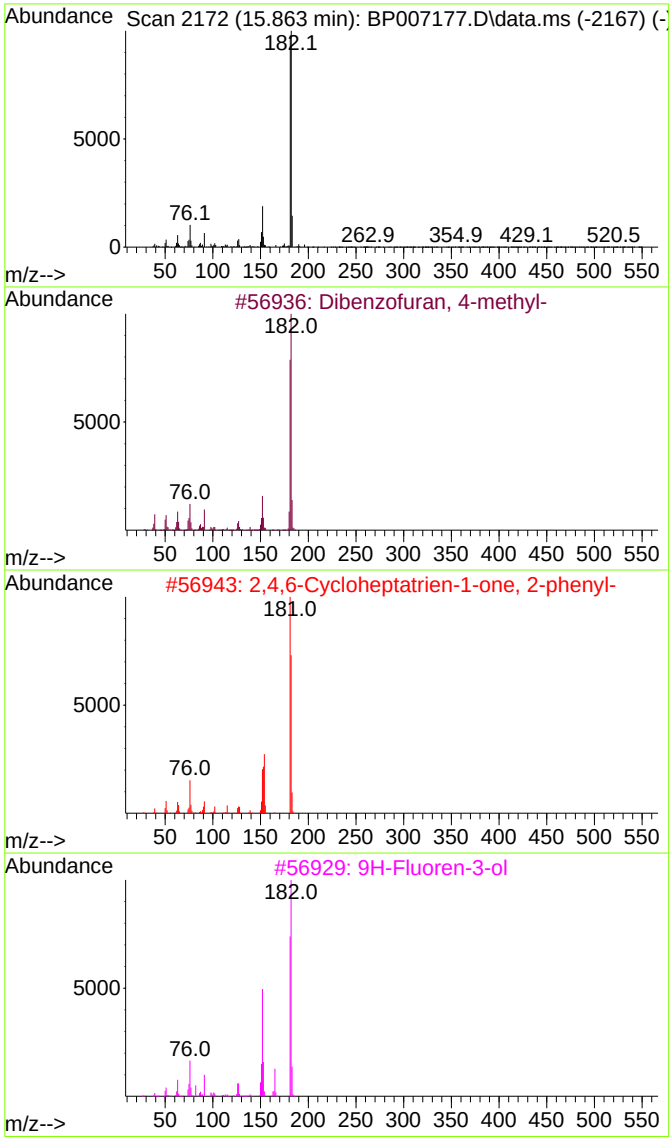
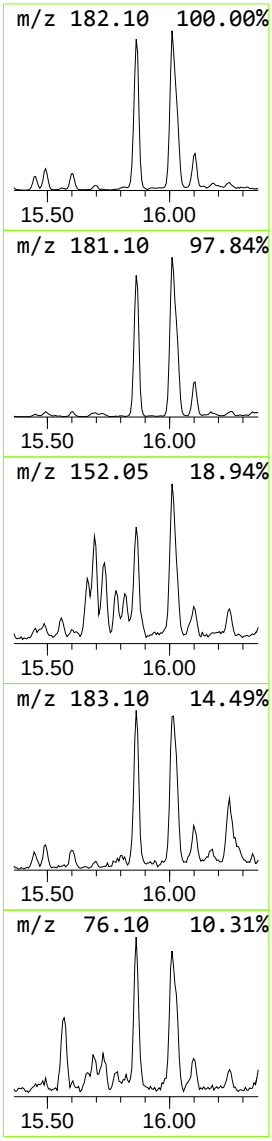
Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.863	2.92 ng	388578	Acenaphthene-d10	14.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007177.D
Acq On : 25 Sep 2021 01:36
Operator : CG/JU
Sample : M3917-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-9

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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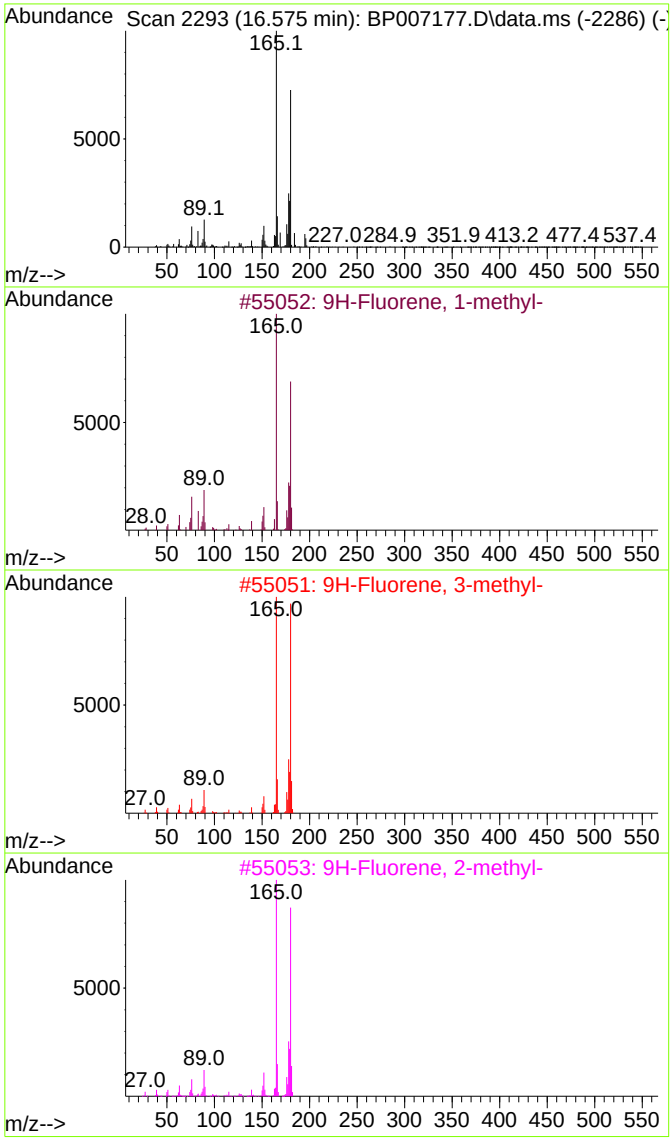
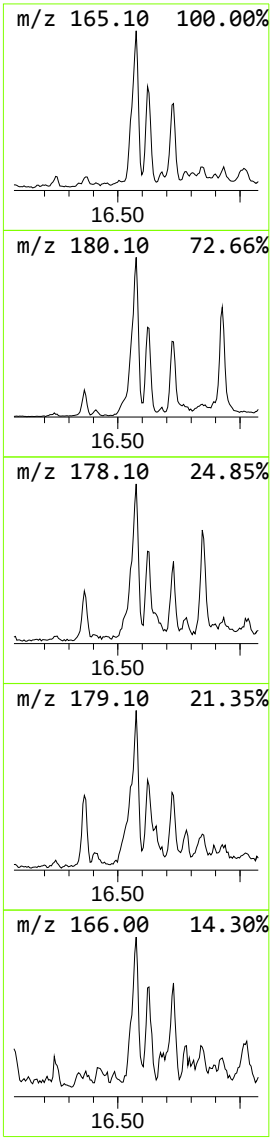
Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.575	3.28 ng	496822	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007177.D
Acq On : 25 Sep 2021 01:36
Operator : CG/JU
Sample : M3917-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-9

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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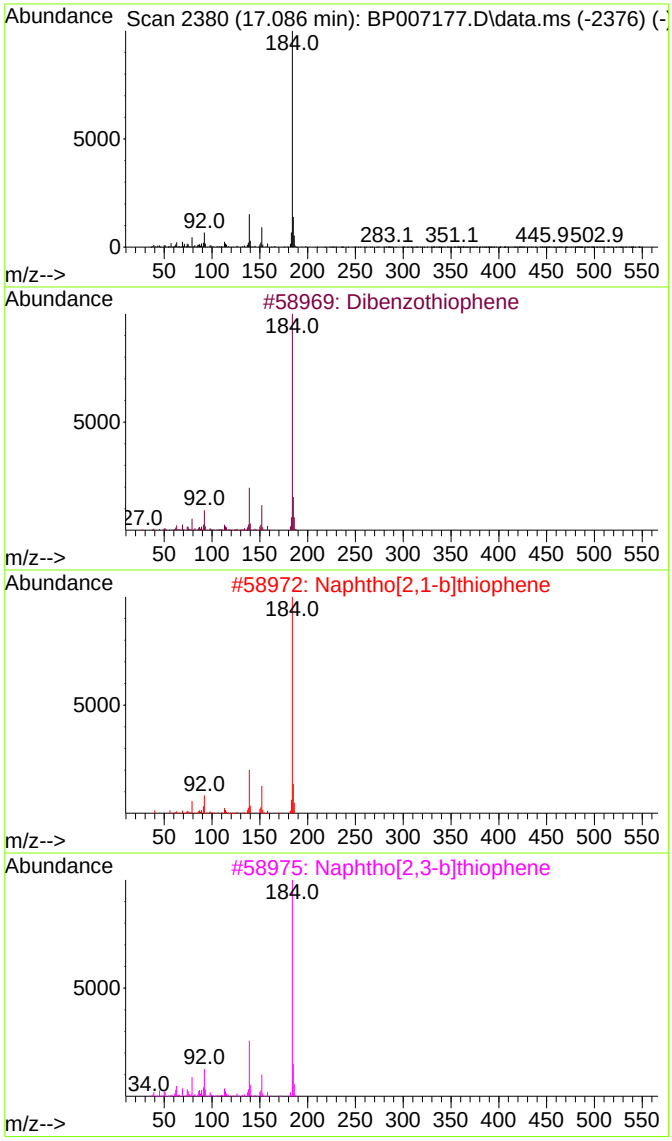
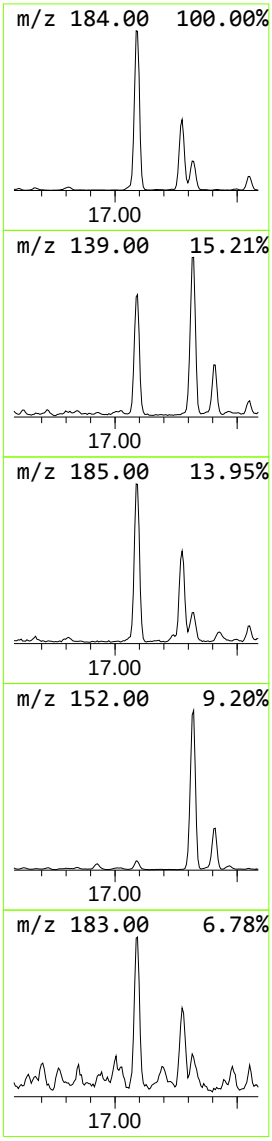
Peak Number 5 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.086	6.75 ng	1021470	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[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Operator : CG/JU
Sample : M3917-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-9

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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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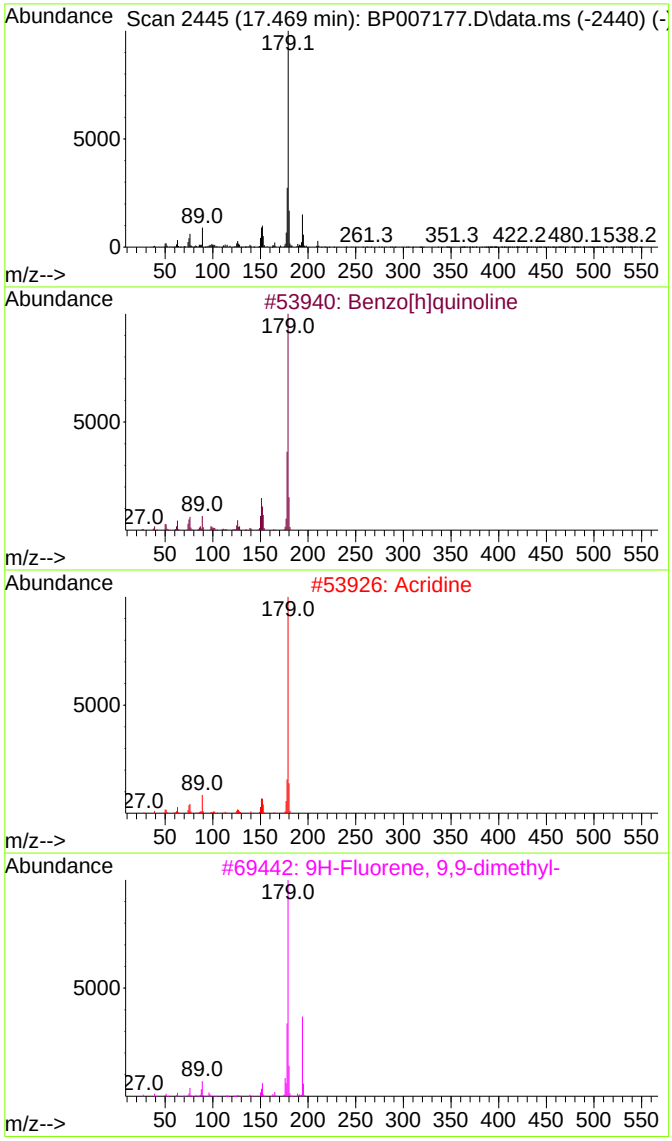
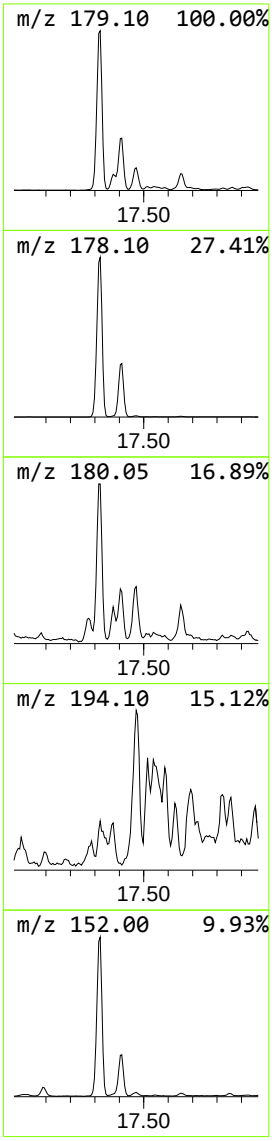
Peak Number 6 Benzo[h]quinoline Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.469	3.00 ng	453734	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]quinoline	179	C13H9N	000230-27-3	93
2	Acridine	179	C13H9N	000260-94-6	93
3	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	91
4	Phenanthridine	179	C13H9N	000229-87-8	89
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	83





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Acq On : 25 Sep 2021 01:36
Operator : CG/JU
Sample : M3917-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

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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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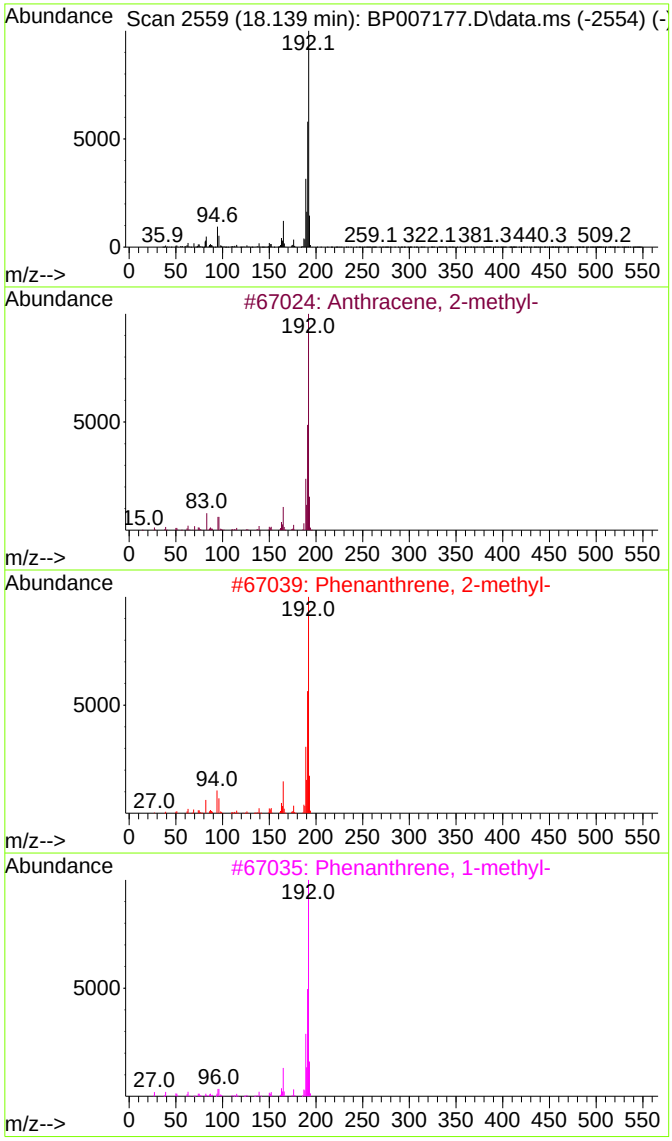
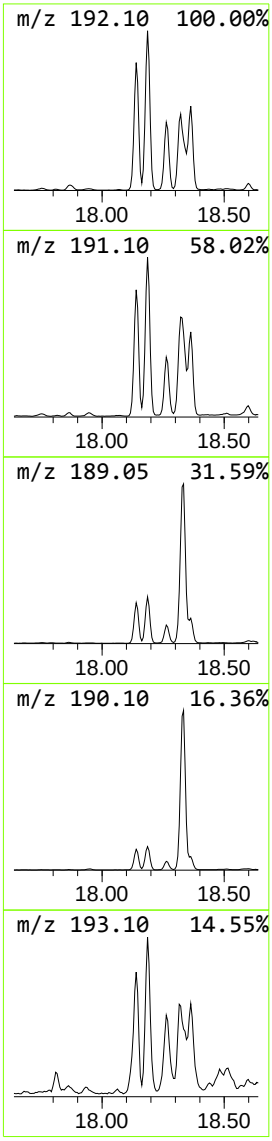
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.139	16.68 ng	2525940	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Misc :
ALS Vial : 18 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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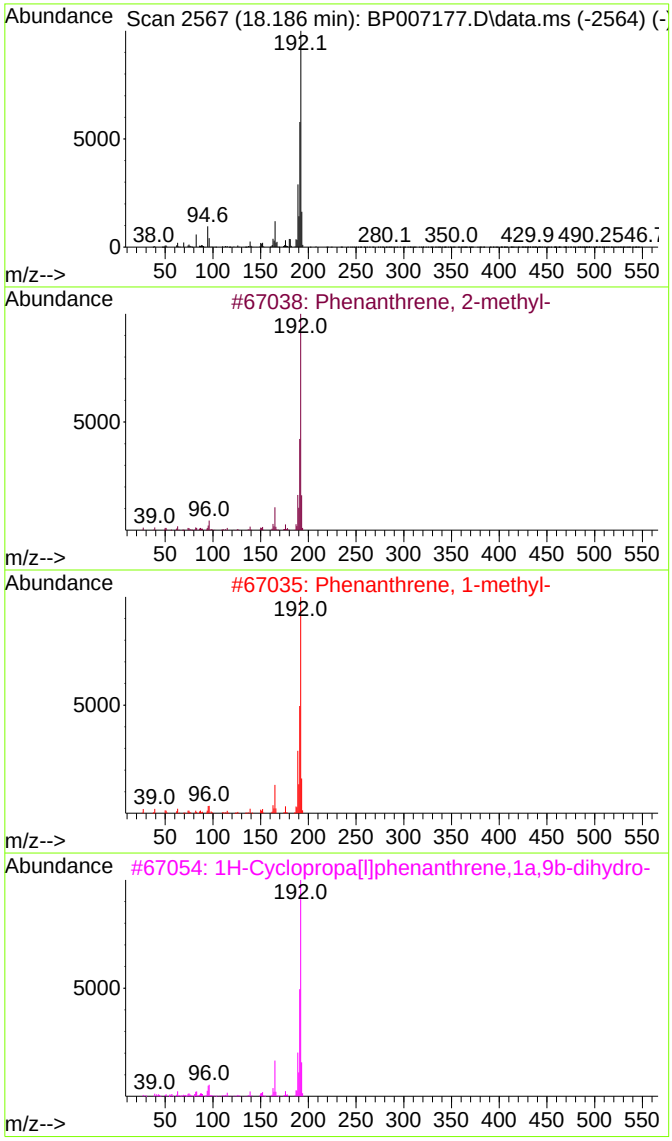
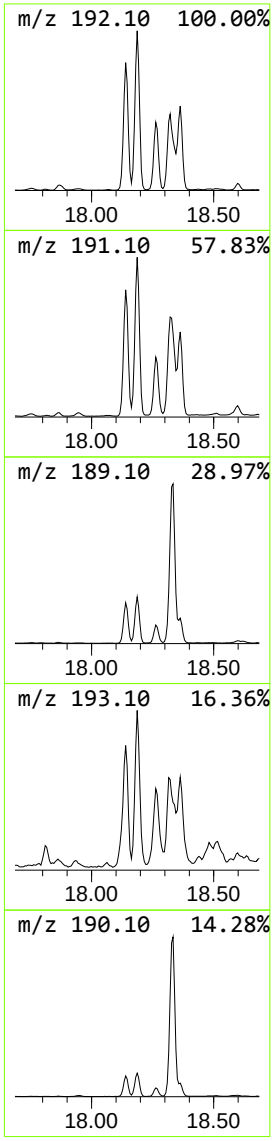
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.186	15.76 ng	2386230	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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Misc :
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Instrument : BNA_P
ClientSampleId : TP-9

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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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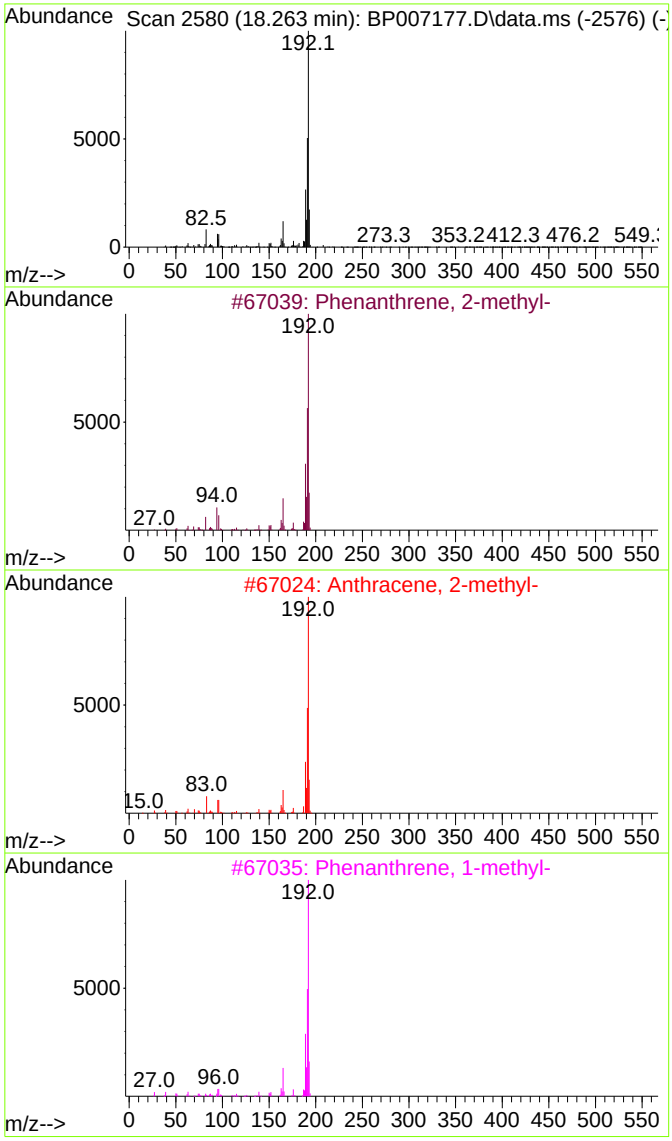
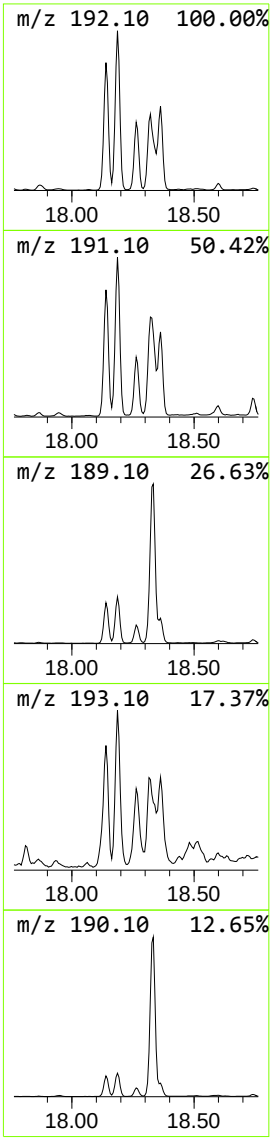
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.263	6.21 ng	940498	Phenanthrene-d10	17.275

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	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-9

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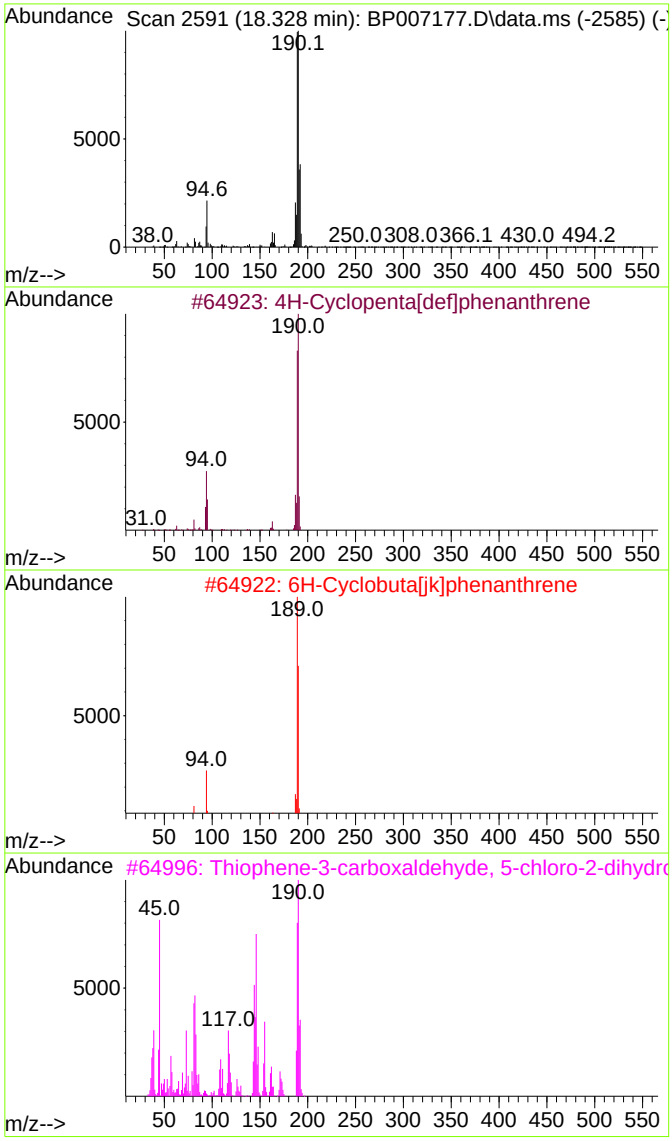
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

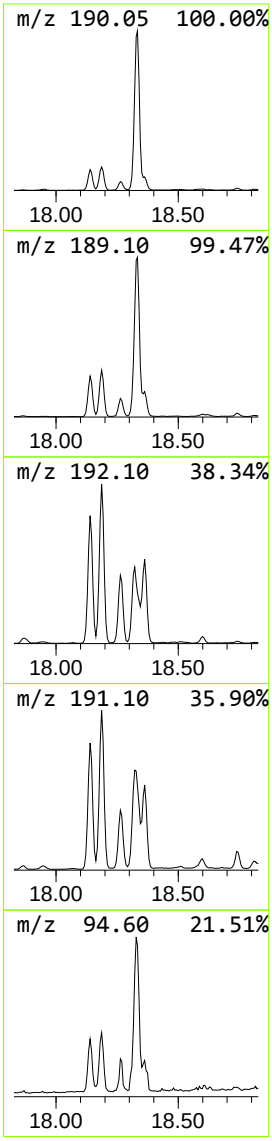
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.328	26.40 ng	3995960	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	52
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	32





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Misc :
ALS Vial : 18 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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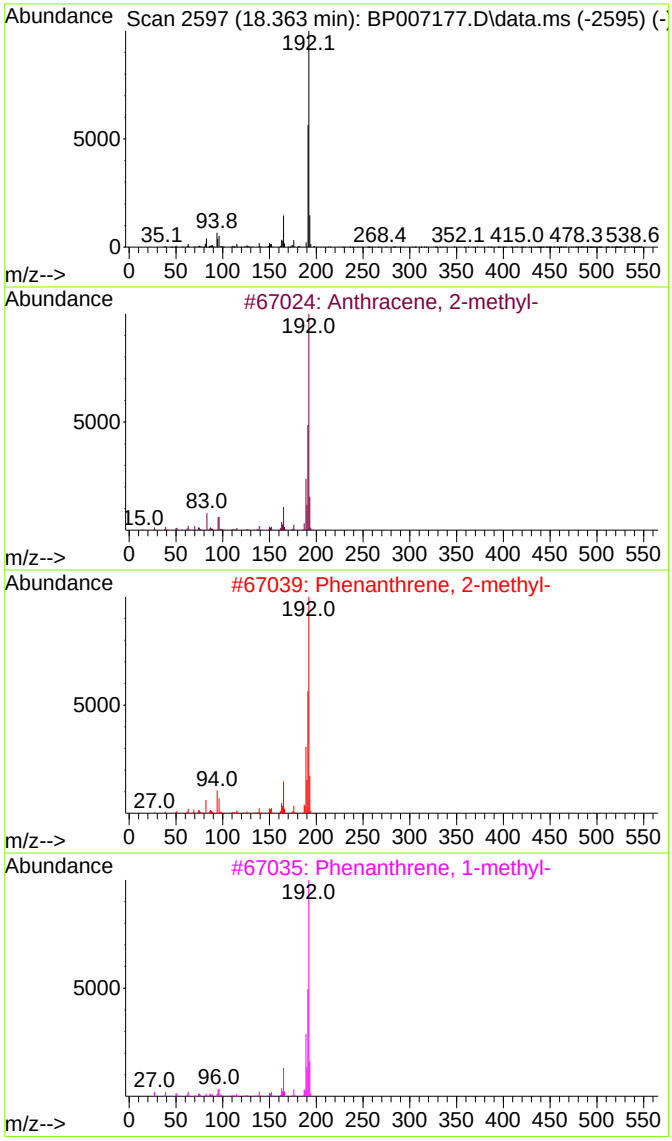
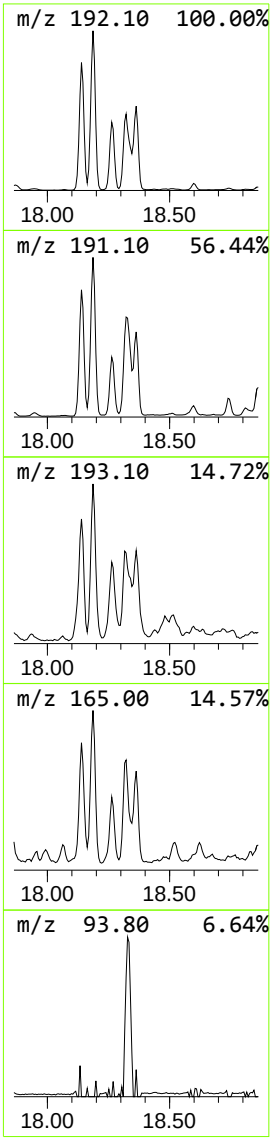
Peak Number 11 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.363	6.49 ng	982518	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, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90





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Acq On : 25 Sep 2021 01:36
Operator : CG/JU
Sample : M3917-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-9

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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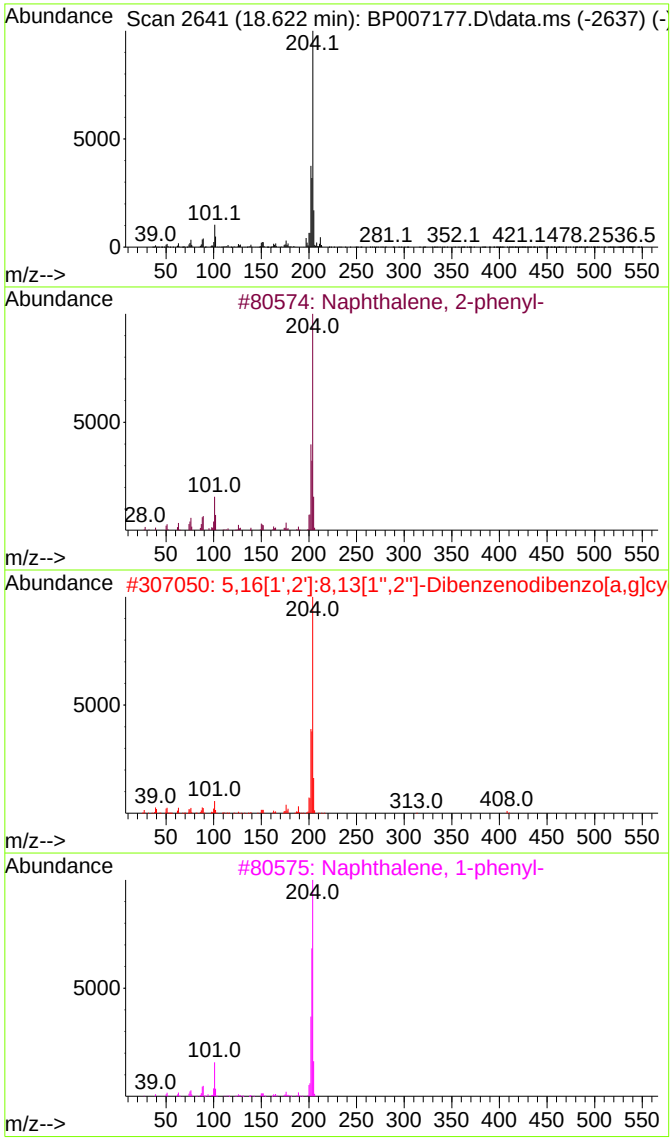
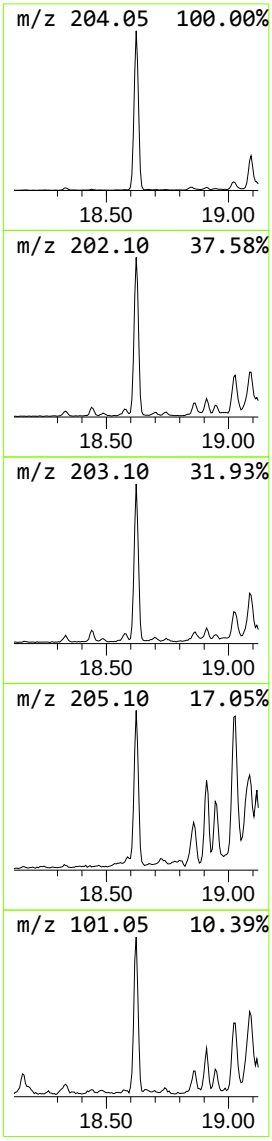
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.622	7.42 ng	1123960	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52





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Operator : CG/JU
Sample : M3917-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-9

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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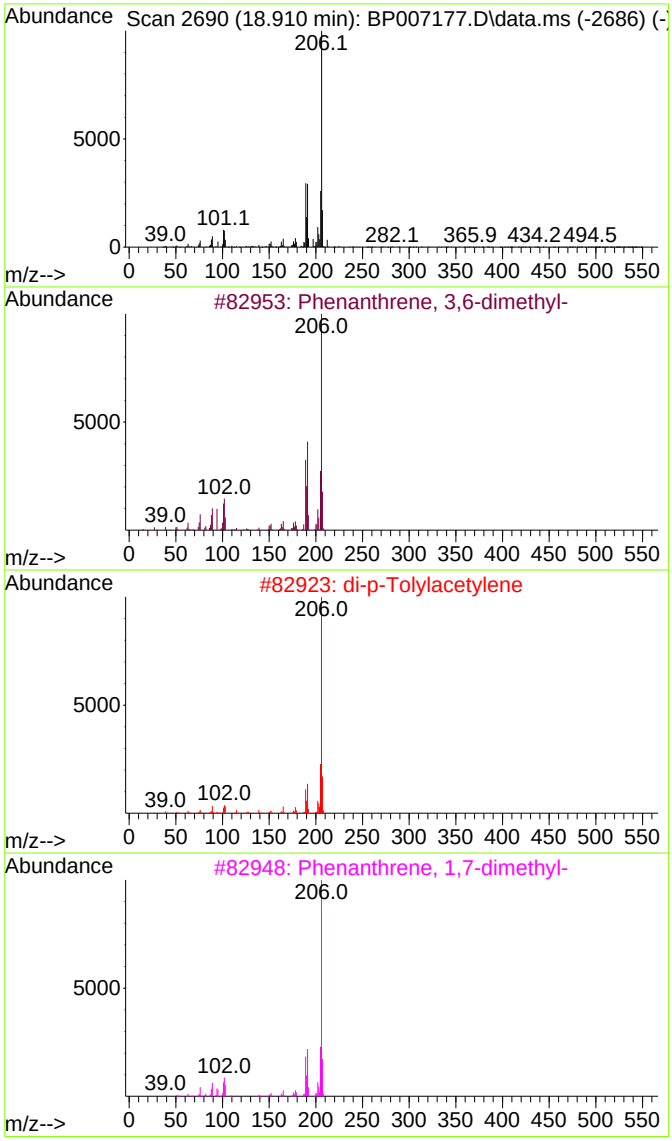
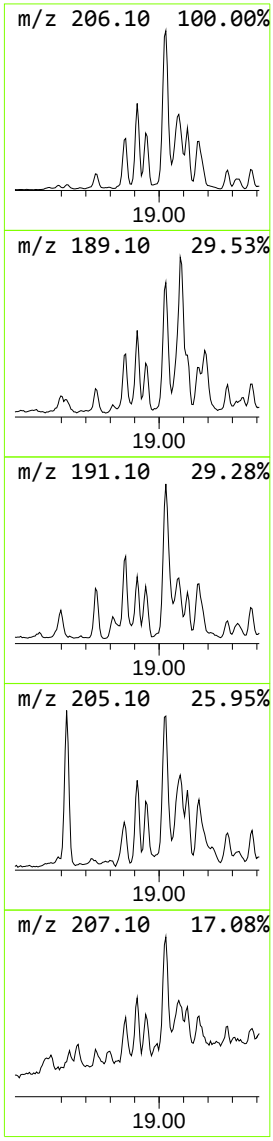
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.910	3.20 ng	484524	Phenanthrene-d10	17.275

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, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	64





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ALS Vial : 18 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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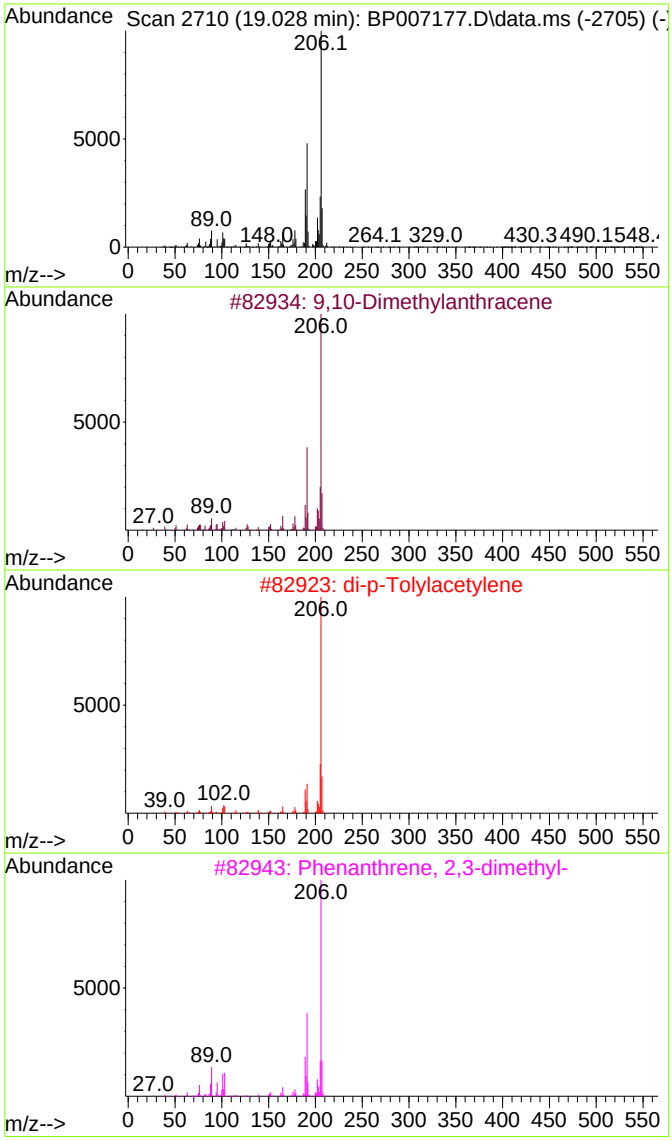
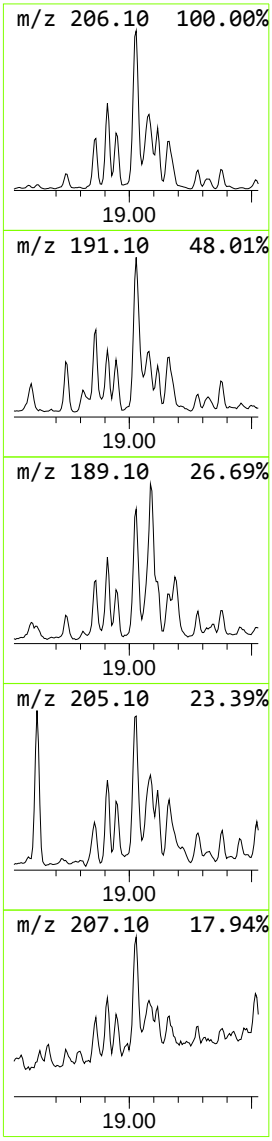
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.028	8.94 ng	1353320	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Misc :
ALS Vial : 18 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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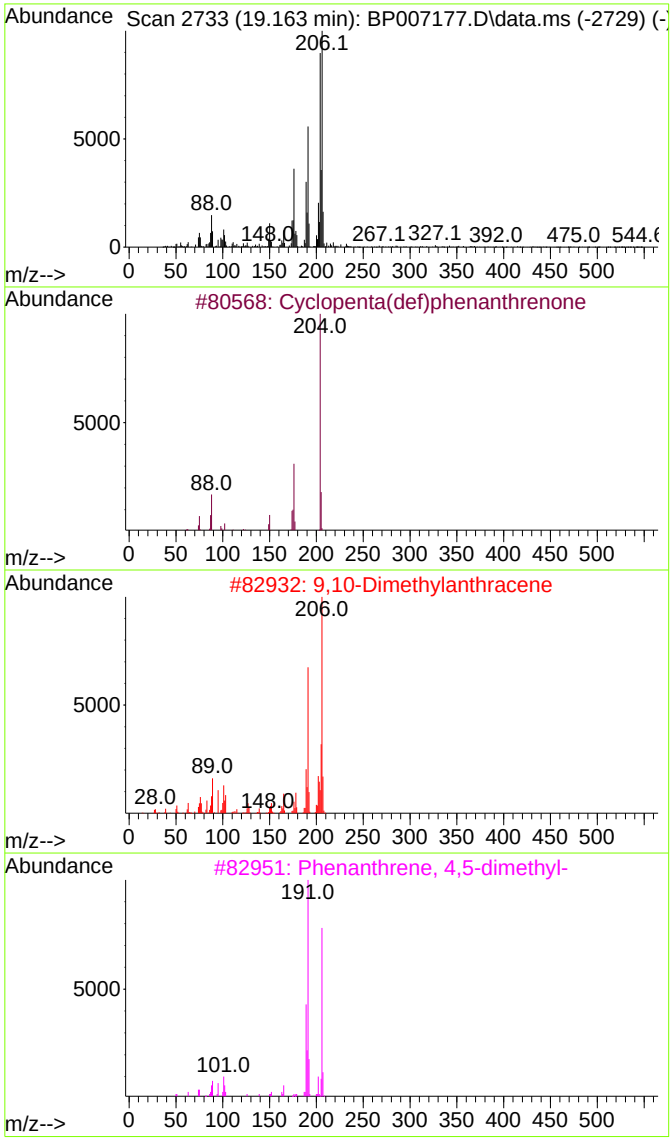
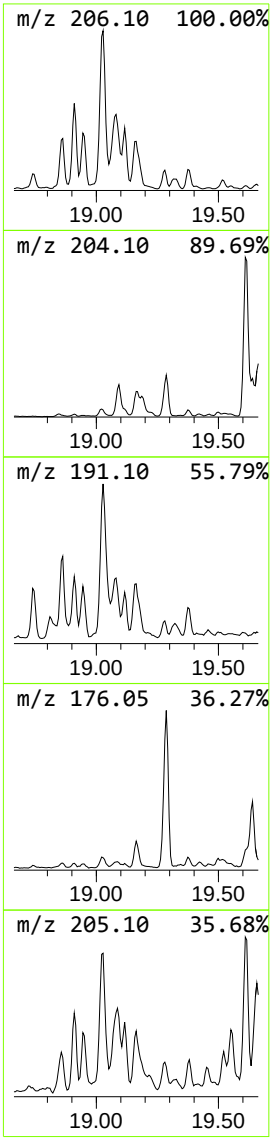
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.163	5.51 ng	834652	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	55
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	55
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	49





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Misc :
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Instrument : BNA_P
ClientSampleId : TP-9

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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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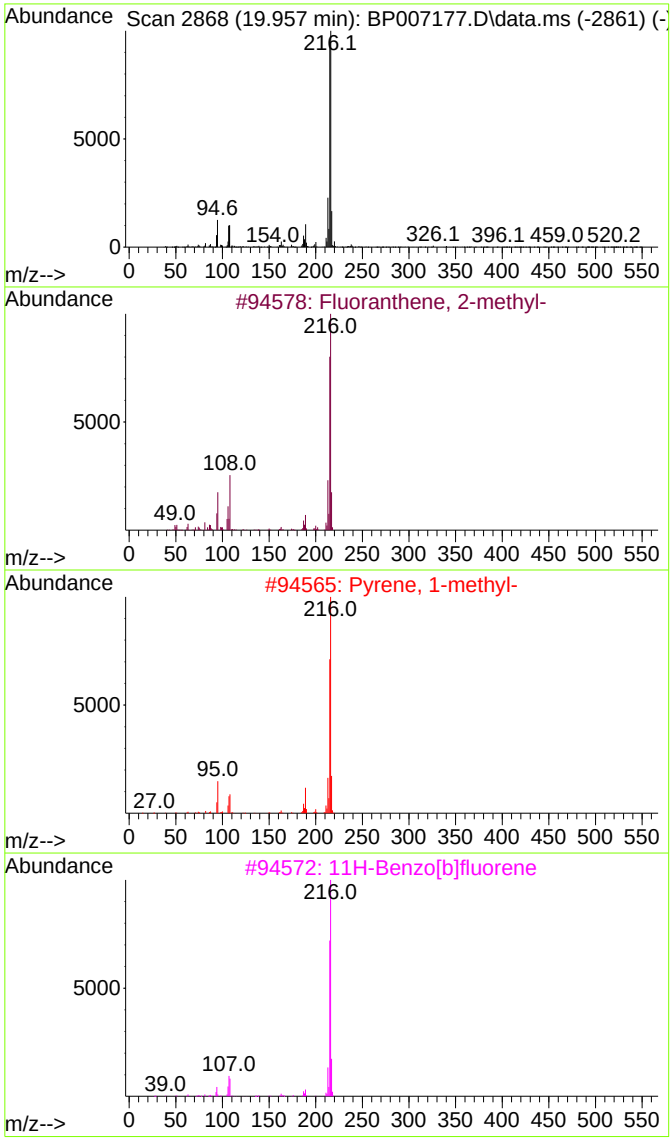
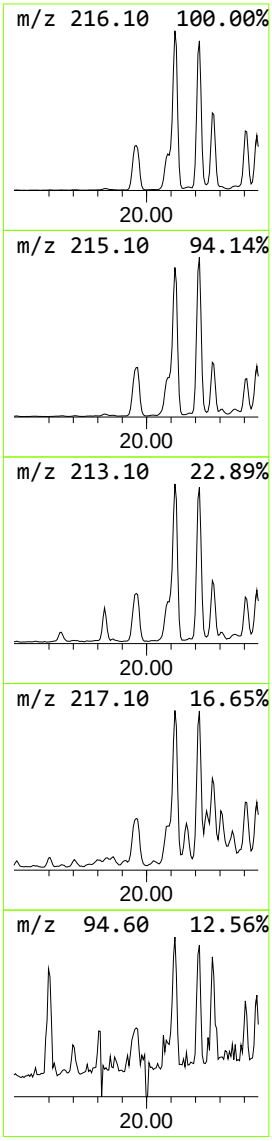
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.957	3.03 ng	1918530	Chrysene-d12	21.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Instrument : BNA_P
ClientSampleId : TP-9

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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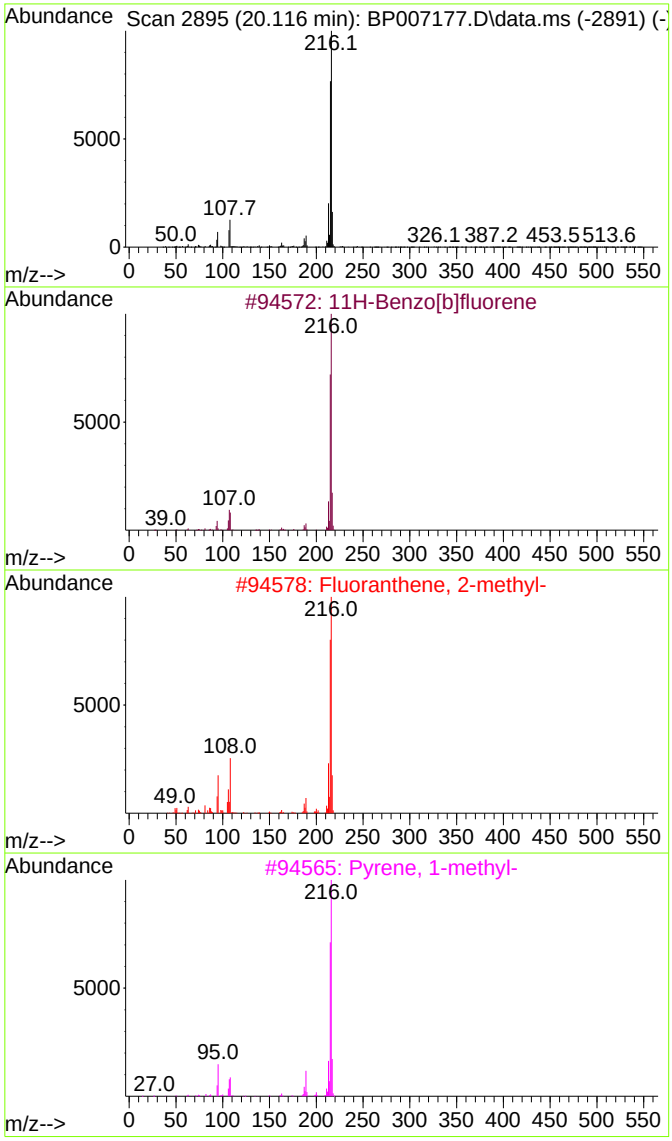
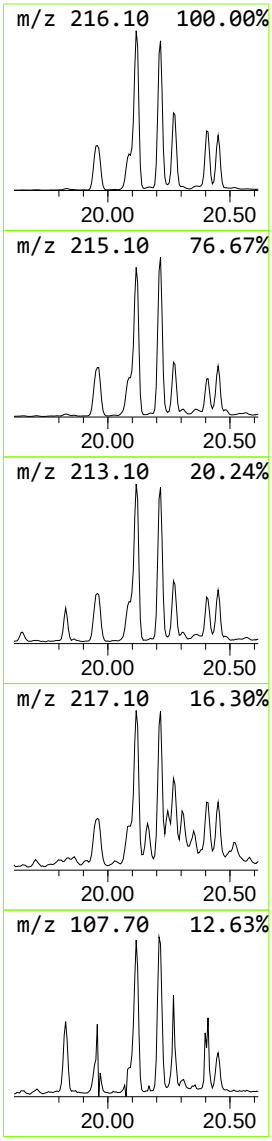
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.116	4.98 ng	3160570	Chrysene-d12	21.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007177.D
Acq On : 25 Sep 2021 01:36
Operator : CG/JU
Sample : M3917-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-9

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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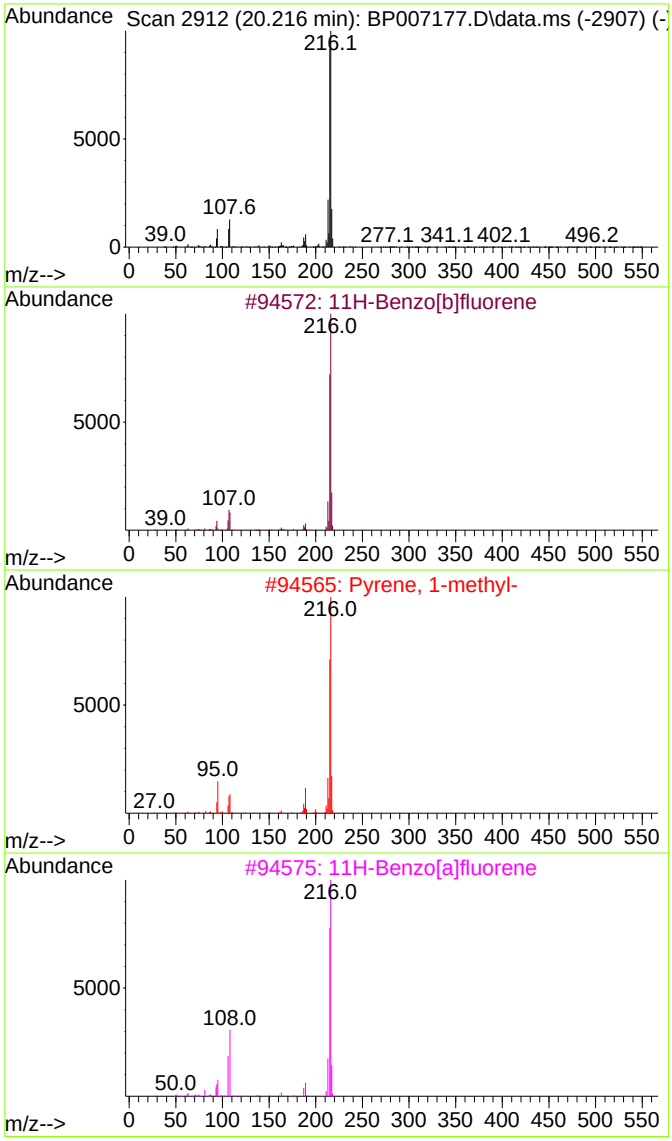
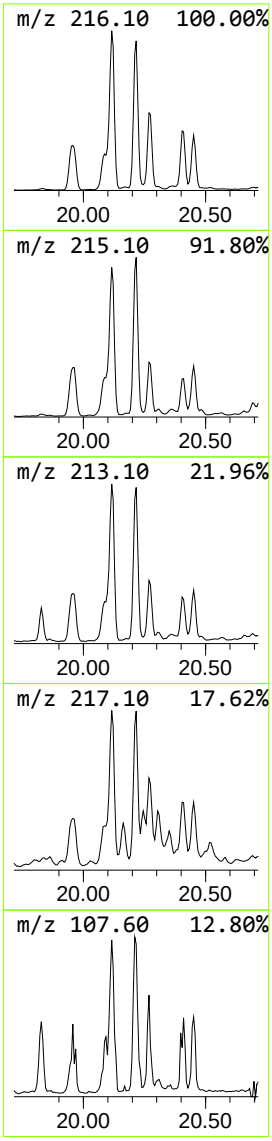
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.216	4.31 ng	2730140	Chrysene-d12	21.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
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	70
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007177.D
Acq On : 25 Sep 2021 01:36
Operator : CG/JU
Sample : M3917-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-9

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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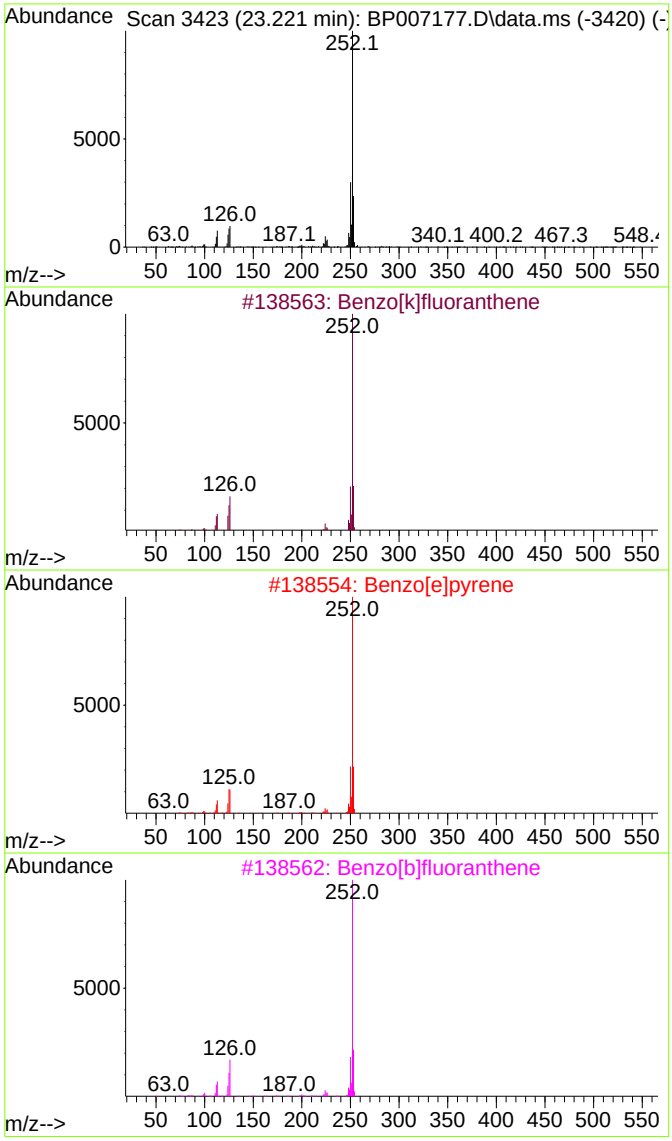
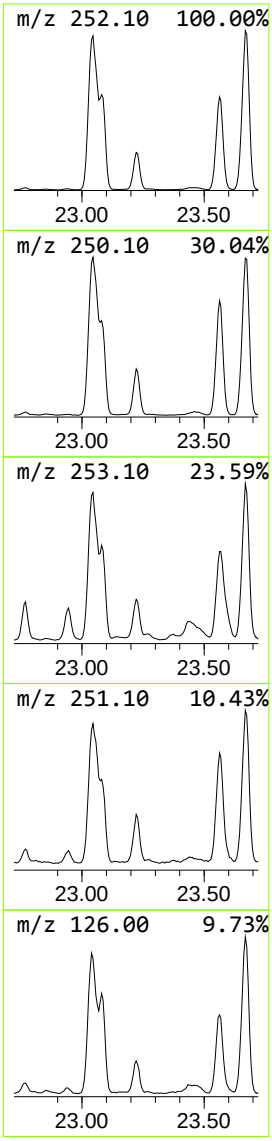
Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.221	14.86 ng	1559710	Perylene-d12	23.774

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007177.D
Acq On : 25 Sep 2021 01:36
Operator : CG/JU
Sample : M3917-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-9

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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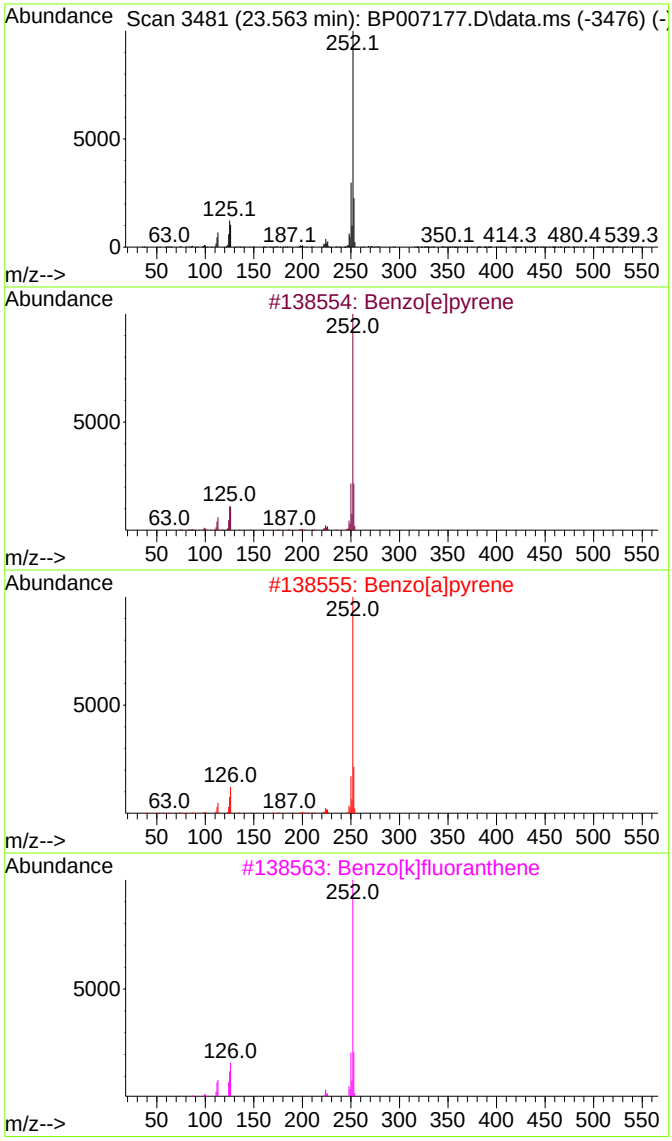
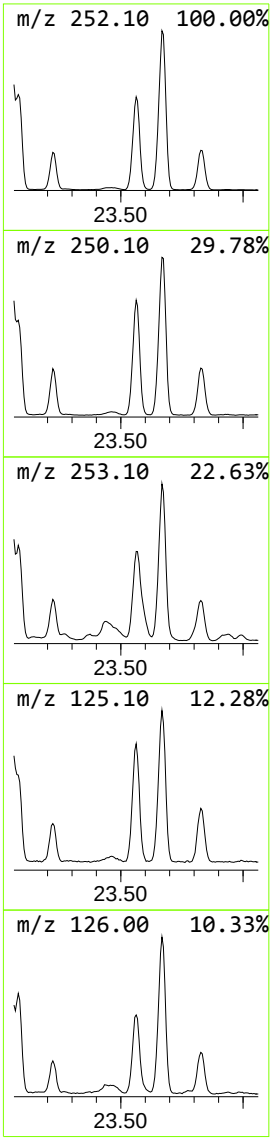
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.563	48.33 ng	5071460	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[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007177.D
Acq On : 25 Sep 2021 01:36
Operator : CG/JU
Sample : M3917-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-9

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
Naphthalene, 2,...	13.698	3.0	ng	404680	3	14.522	2659300	20.0
Naphthalene, 1,...	13.845	3.7	ng	493758	3	14.522	2659300	20.0
Dibenzofuran, 4...	15.863	2.9	ng	388578	3	14.522	2659300	20.0
9H-Fluorene, 1-...	16.575	3.3	ng	496822	4	17.275	3027790	20.0
Dibenzothiophene	17.086	6.8	ng	1021470	4	17.275	3027790	20.0
Benzo[h]quinoline	17.469	3.0	ng	453734	4	17.275	3027790	20.0
Anthracene, 2-m...	18.139	16.7	ng	2525940	4	17.275	3027790	20.0
Phenanthrene, 2...	18.186	15.8	ng	2386230	4	17.275	3027790	20.0
Phenanthrene, 1...	18.263	6.2	ng	940498	4	17.275	3027790	20.0
4H-Cyclopenta[d...	18.328	26.4	ng	3995960	4	17.275	3027790	20.0
Anthracene, 9-m...	18.363	6.5	ng	982518	4	17.275	3027790	20.0
Naphthalene, 2-...	18.622	7.4	ng	1123960	4	17.275	3027790	20.0
Phenanthrene, 3...	18.910	3.2	ng	484524	4	17.275	3027790	20.0
9,10-Dimethylan...	19.028	8.9	ng	1353320	4	17.275	3027790	20.0
Cyclopenta(def)...	19.163	5.5	ng	834652	4	17.275	3027790	20.0
Fluoranthene, 2...	19.957	3.0	ng	1918530	5	21.363	12682400	20.0
11H-Benzo[b]flu...	20.116	5.0	ng	3160570	5	21.363	12682400	20.0
Pyrene, 1-methyl-	20.216	4.3	ng	2730140	5	21.363	12682400	20.0
Benzo[e]pyrene	23.221	14.9	ng	1559710	6	23.774	2098650	20.0
Perylene	23.563	48.3	ng	5071460	6	23.774	2098650	20.0