LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007178.D
Acq On : 25 Sep 2021 02:10
Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-1

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: BP007178.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	398	404	417	rVB	621713	930938	8.57%	0.695%
2	7.064	667	676	692	rBV	584696	1003511	9.24%	0.750%
3	7.887	810	816	825	rBV	862368	1396306	12.86%	1.043%
4	9.052	1008	1014	1030	rVB	358225	625209	5.76%	0.467%
5	10.693	1283	1293	1298	rBV	1153642	2012835	18.53%	1.503%
6	10.740	1298	1301	1309	rVB	207330	330161	3.04%	0.247%
7	12.351	1565	1575	1582	rBV	225534	362546	3.34%	0.271%
8	12.569	1603	1612	1621	rBV	283147	438499	4.04%	0.328%
9	13.146	1703	1710	1725	rBV	1096723	1602252	14.75%	1.197%
10	13.557	1774	1780	1790	rVB	86677	189627	1.75%	0.142%
11	13.704	1793	1805	1812	rBV3	128927	353237	3.25%	0.264%
12	13.846	1823	1829	1834	rBV	307621	552319	5.09%	0.413%
13	13.898	1834	1838	1846	rVB	178593	277323	2.55%	0.207%
14	14.081	1861	1869	1872	rBV	169605	267177	2.46%	0.200%
15	14.246	1892	1897	1904	rVB	186339	291016	2.68%	0.217%
16	14.522	1934	1944	1950	rBV	1839541	2820386	25.97%	2.107%
17	14.587	1950	1955	1962	rVB	884962	1301624	11.98%	0.972%
18	14.734	1973	1980	1988	rBV	96037	248858	2.29%	0.186%
19	14.828	1988	1996	2002	rBV2	141617	286456	2.64%	0.214%
20	14.922	2002	2012	2019	rVV	415858	697017	6.42%	0.521%
21	14.998	2019	2025	2032	rVV	147819	220600	2.03%	0.165%
22	15.140	2043	2049	2054	rBV	141431	242466	2.23%	0.181%
23	15.193	2054	2058	2062	rVB	121966	160771	1.48%	0.120%
24	15.310	2070	2078	2081	rBV	127774	255804	2.36%	0.191%
25	15.569	2116	2122	2133	rBV	701883	1113329	10.25%	0.832%
26	15.663	2133	2138	2140	rBV2	131705	185356	1.71%	0.138%
27	15.692	2140	2143	2146	rVV	197263	262390	2.42%	0.196%
28	15.734	2146	2150	2154	rVB3	191627	284986	2.62%	0.213%
29	15.781	2154	2158	2161	rBV	118594	163927	1.51%	0.122%
30	15.863	2167	2172	2180	rVB	233649	452601	4.17%	0.338%
31	16.010	2188	2197	2205	rVV	1039895	1666476	15.34%	1.245%
32	16.098	2205	2212	2220	rVB3	73243	211708	1.95%	0.158%
33	16.245	2232	2237	2243	rVB3	159749	268800	2.47%	0.201%
34	16.551	2282	2289	2290	rBV3	171724	269752	2.48%	0.201%
35	16.575	2290	2293	2298	rVV2	236122	364300	3.35%	0.272%
36	16.622	2298	2301	2307	rVB2	187675	279306	2.57%	0.209%

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-1

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	16.728	2316	2319	2323	rVB2	130604	179165	1.65%	0.134%
38	16.845	2335	2339	2343	rVB3	176557	222384	2.05%	0.166%
39	16.928	2348	2353	2359	rVB	355242	545681	5.02%	0.408%
40	17.022	2360	2369	2376	rBV3	195340	563876	5.19%	0.421%
41	17.087	2376	2380	2391	rVB	455882	731790	6.74%	0.547%
42	17.275	2406	2412	2415	rBV	2104086	3153032	29.03%	2.355%
43	17.316	2415	2419	2425	rVV	7244317	10350066	95.30%	7.731%
44	17.404	2425	2434	2440	rVB	1614560	2419625	22.28%	1.807%
45	17.469	2440	2445	2450	rBV2	153335	288100	2.65%	0.215%
46	17.587	2462	2465	2470	rVB2	98421	136473	1.26%	0.102%
47	17.681	2473	2481	2485	rBV2	478347	780655	7.19%	0.583%
48	17.792	2497	2500	2504	rVB	157952	180195	1.66%	0.135%
49	17.851	2506	2510	2519	rVB	379758	538664	4.96%	0.402%
50	17.992	2530	2534	2542	rVB	193518	366938	3.38%	0.274%
51	18.063	2542	2546	2550	rBV	141688	205084	1.89%	0.153%
52	18.139	2554	2559	2563	rVV	1517550	2161524	19.90%	1.614%
53	18.186	2563	2567	2573	rVB	2045032	2617375	24.10%	1.955%
54	18.263	2575	2580	2585	rBV	661955	941848	8.67%	0.703%
55	18.328	2585	2591	2595	rVV2	1764116	3322741	30.59%	2.482%
56	18.363	2595	2597	2603	rVB	1116751	1264479	11.64%	0.944%
57	18.439	2606	2610	2613	rBV3	108829	158385	1.46%	0.118%
58	18.475	2613	2616	2620	rVB2	111286	138981	1.28%	0.104%
59	18.522	2620	2624	2628	rBV2	154805	222795	2.05%	0.166%
60	18.622	2636	2641	2645	rVV	878280	1149308	10.58%	0.858%
61	18.663	2645	2648	2658	rVB2	665141	961833	8.86%	0.718%
62	18.745	2658	2662	2667	rBV	175421	259105	2.39%	0.194%
63	18.834	2673	2677	2678	rBV3	132197	154471	1.42%	0.115%
64	18.863	2678	2682	2686	rVV	446734	671730	6.18%	0.502%
65	18.910	2686	2690	2693	rVV	404381	559104	5.15%	0.418%
66	18.945	2693	2696	2700	rVB2	329191	422191	3.89%	0.315%
67	19.028	2705	2710	2714	rVV	973847	1537191	14.15%	1.148%
68	19.086	2715	2720	2723	rVV3	475782	958176	8.82%	0.716%
69	19.116	2723	2725	2728	rVB	320357	314220	2.89%	0.235%
70	19.163	2729	2733	2740	rBV3	617179	1082257	9.96%	0.808%
71	19.286	2748	2754	2759	rVB	8176365	10860897	100.00%	8.112%
72	19.345	2760	2764	2766	rVV	195537	247430	2.28%	0.185%
73	19.381	2766	2770	2774	rVB	301867	393478	3.62%	0.294%
74	19.475	2782	2786	2789	rBV2	193389	256191	2.36%	0.191%
75	19.516	2790	2793	2797	rVV	316768	388001	3.57%	0.290%
76	19.610	2803	2809	2810	rBV2	1460398	2098272	19.32%	1.567%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
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Acq On : 25 Sep 2021 02:10
Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-1

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

77	19.639	2810	2814	2821	rVV	7297598	10273977	94.60%	7.674%
78	19.704	2821	2825	2831	rVB3	509092	838515	7.72%	0.626%
79	19.828	2839	2846	2850	rBV2	1676131	2287327	21.06%	1.708%
80	19.869	2850	2853	2858	rVB2	378345	537859	4.95%	0.402%
81	19.951	2861	2867	2873	rBV3	684813	1738212	16.00%	1.298%
82	20.080	2885	2889	2891	rBV5	437385	683275	6.29%	0.510%
83	20.116	2892	2895	2900	rVB	1093476	1416304	13.04%	1.058%
84	20.216	2908	2912	2915	rBV	531222	692866	6.38%	0.518%
85	20.269	2916	2921	2925	rVV2	896297	1386205	12.76%	1.035%
86	20.310	2925	2928	2931	rVB2	245707	266554	2.45%	0.199%
87	20.404	2941	2944	2948	rBV	624337	830402	7.65%	0.620%
88	20.451	2948	2952	2956	rVB	693092	864825	7.96%	0.646%
89	20.845	3016	3019	3025	rVB	829125	1147673	10.57%	0.857%
90	21.010	3041	3047	3050	rBV3	757909	1436706	13.23%	1.073%
91	21.045	3050	3053	3057	rVV	724453	969657	8.93%	0.724%
92	21.092	3057	3061	3064	rVV2	496497	793840	7.31%	0.593%
93	21.139	3065	3069	3074	rVB2	771700	1131207	10.42%	0.845%
94	21.345	3099	3104	3110	rBV3	4726308	9325636	85.86%	6.965%
95	21.398	3110	3113	3123	rVB	3687134	4775239	43.97%	3.567%
96	21.522	3131	3134	3139	rBV	358064	519411	4.78%	0.388%
97	23.039	3386	3392	3397	rBV	2236870	5379919	49.53%	4.018%
98	23.557	3476	3480	3490	rVB	1436367	3070150	28.27%	2.293%
99	23.669	3493	3499	3506	rVB	2041590	3987231	36.71%	2.978%
100	23.774	3511	3517	3522	rBV2	1661895	3336932	30.72%	2.492%

Sum of corrected areas: 133883502

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
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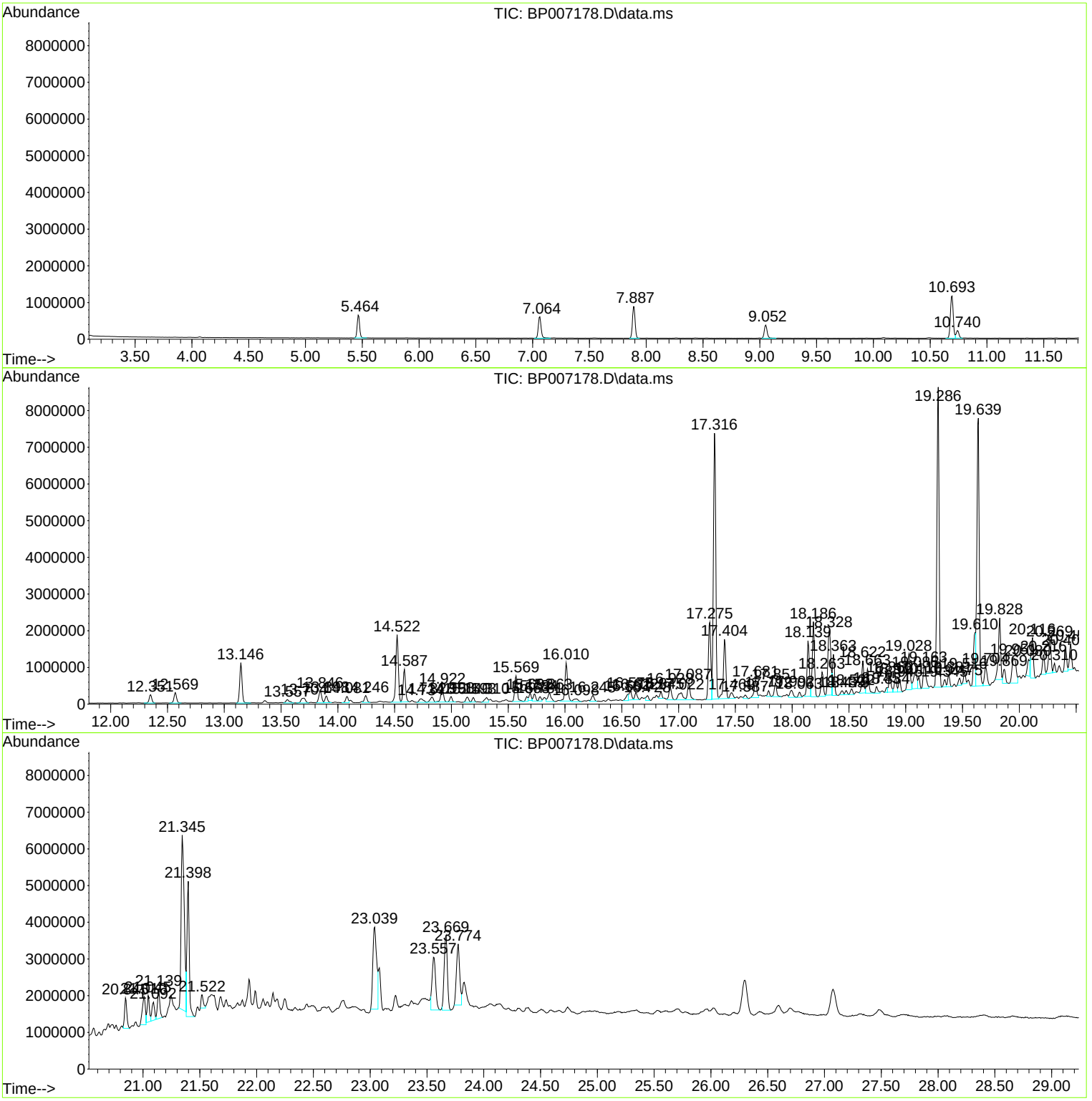
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

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\
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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

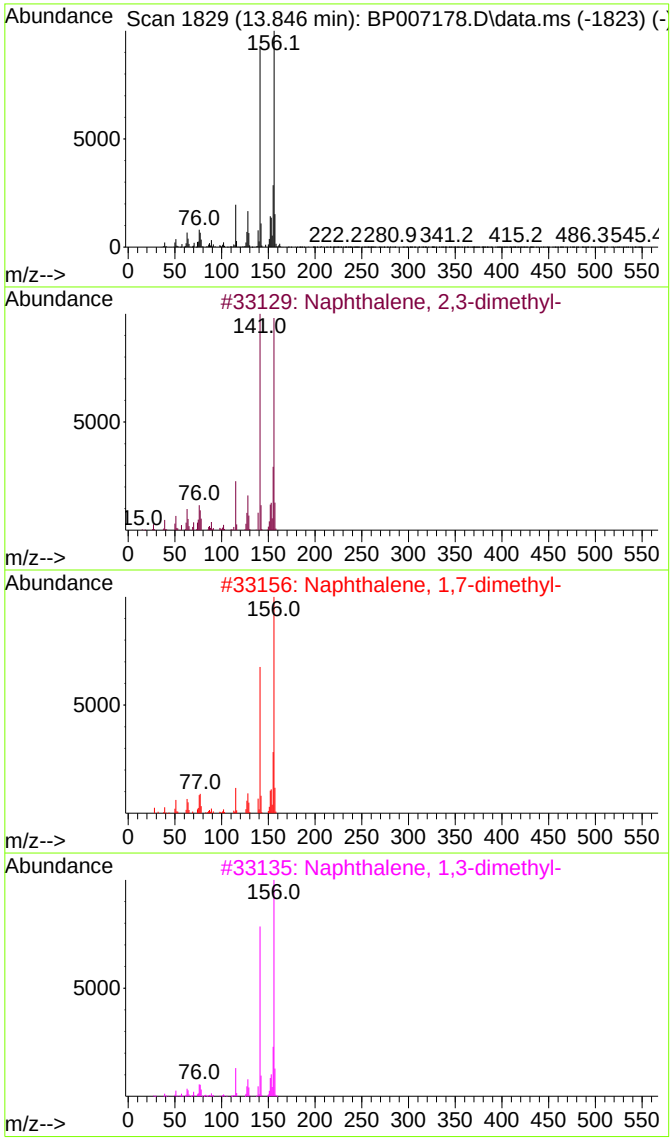
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

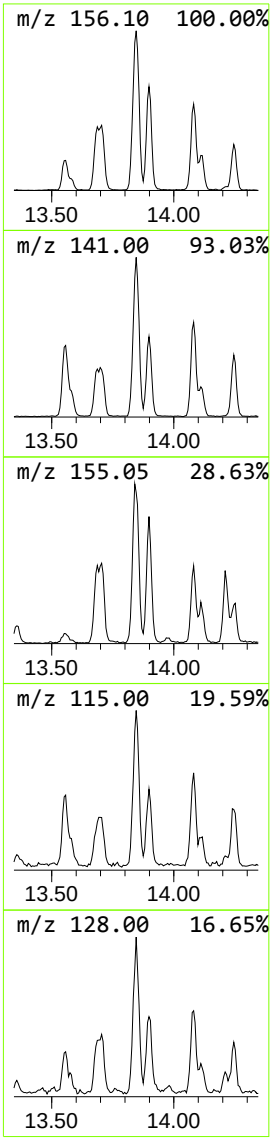
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.845	3.92 ng	552319	Acenaphthene-d10	14.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007178.D
Acq On : 25 Sep 2021 02:10
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

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

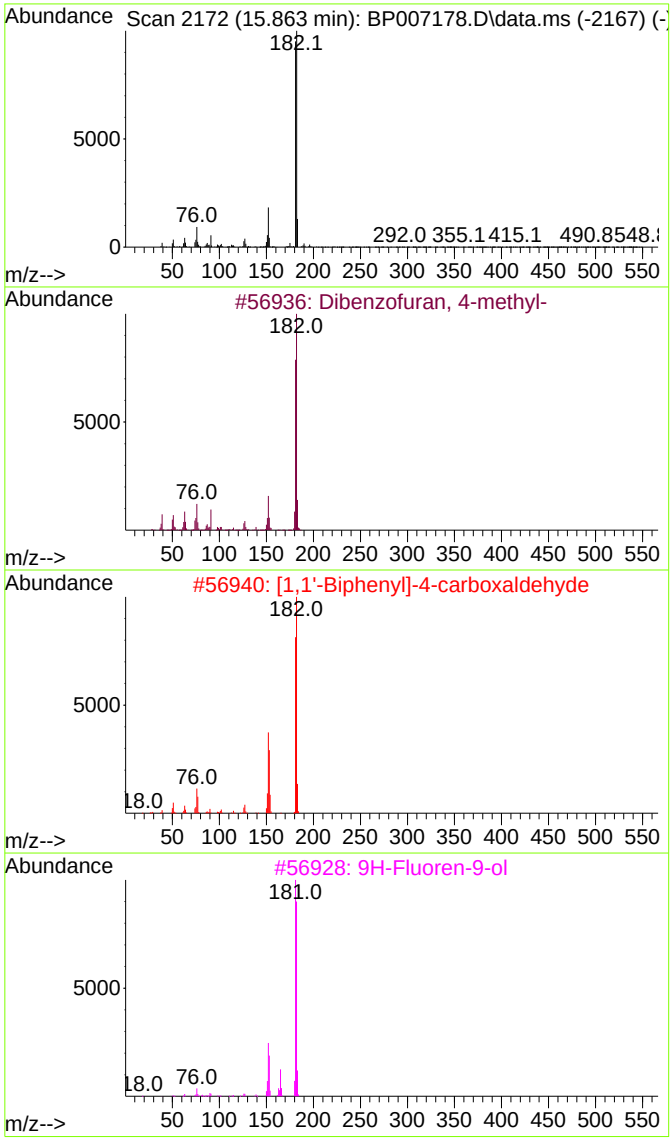
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

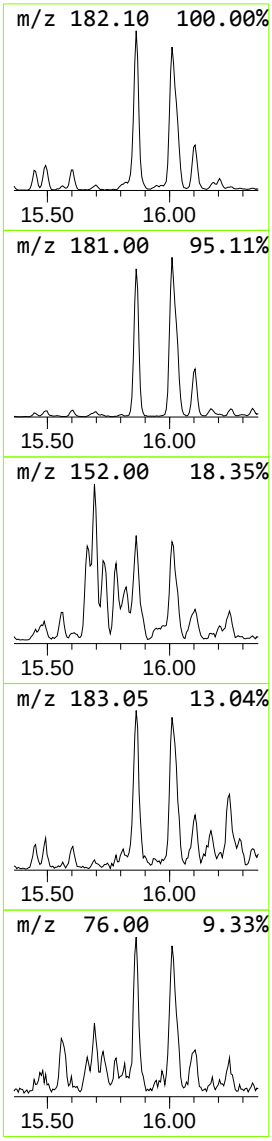
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.863	3.21 ng	452601	Acenaphthene-d10	14.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
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Acq On : 25 Sep 2021 02:10
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ALS Vial : 19 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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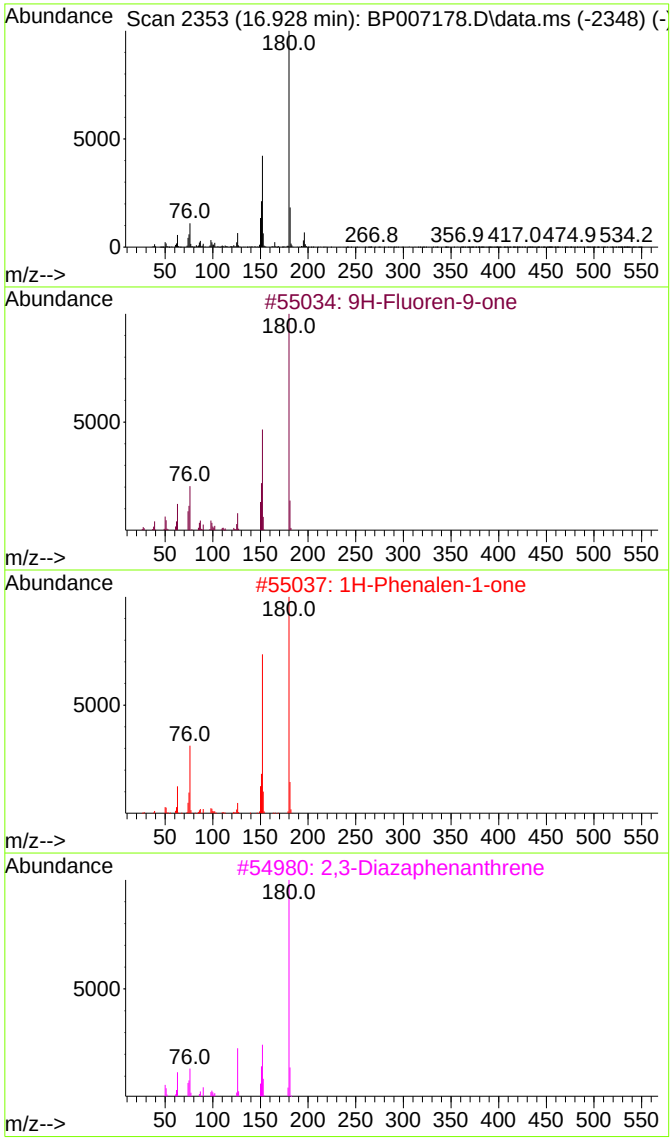
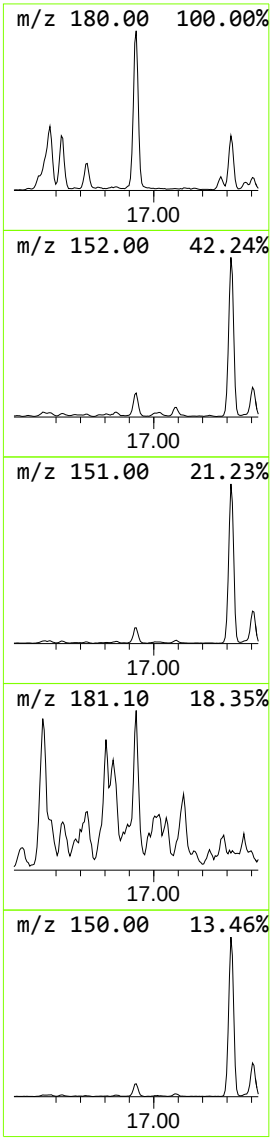
Peak Number 3 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.928	3.46 ng	545681	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
3	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50
4	Phenazine	180	C12H8N2	000092-82-0	43
5	9-Aminofluorene	181	C13H11N	000525-03-1	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007178.D
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Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

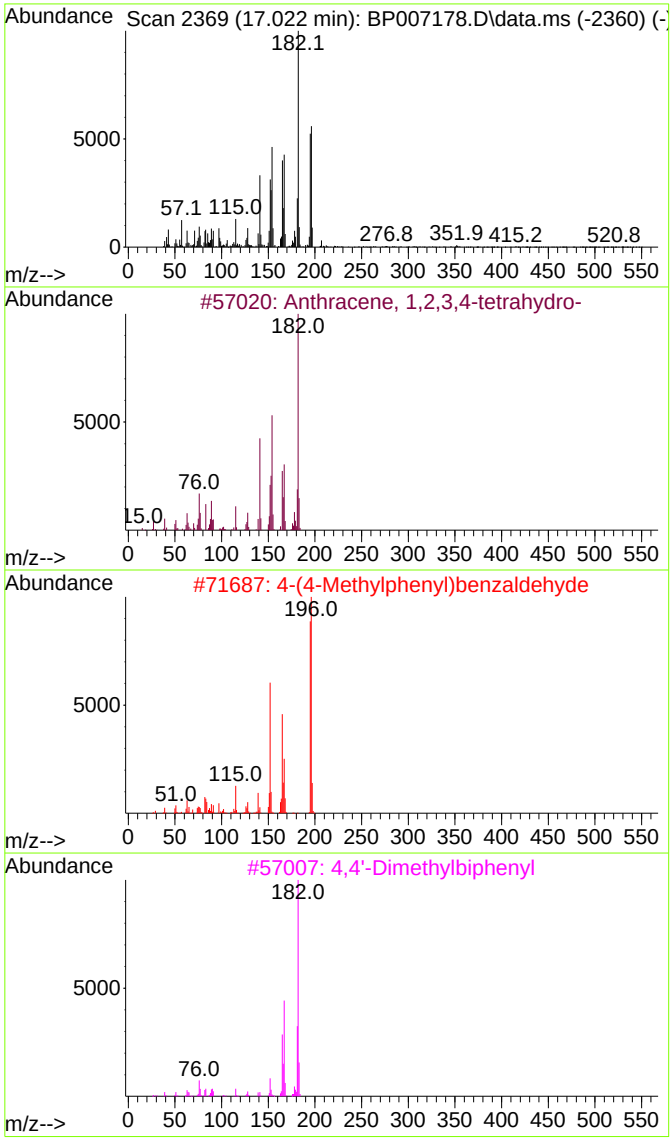
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

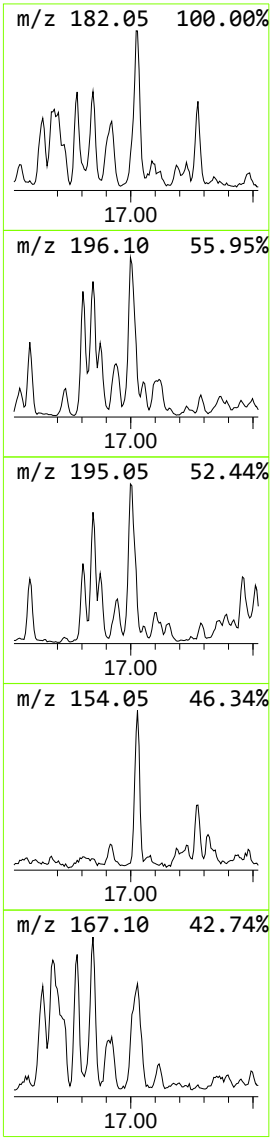
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.022	3.58 ng	563876	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	78
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	70
3	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	53
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	43
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007178.D
Acq On : 25 Sep 2021 02:10
Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

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

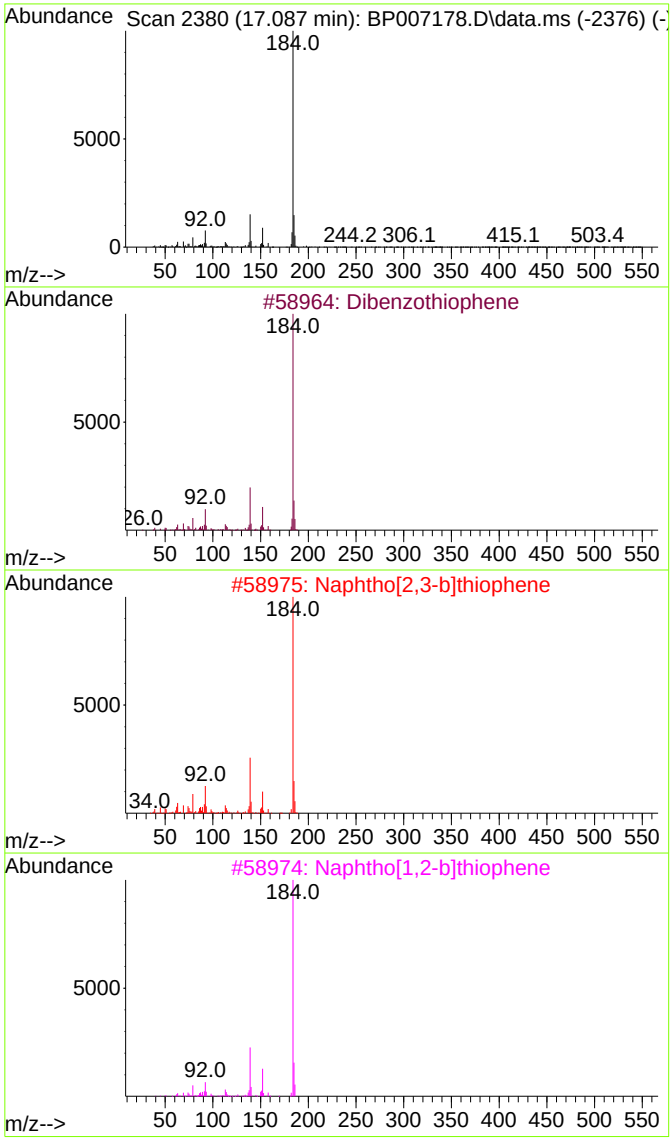
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

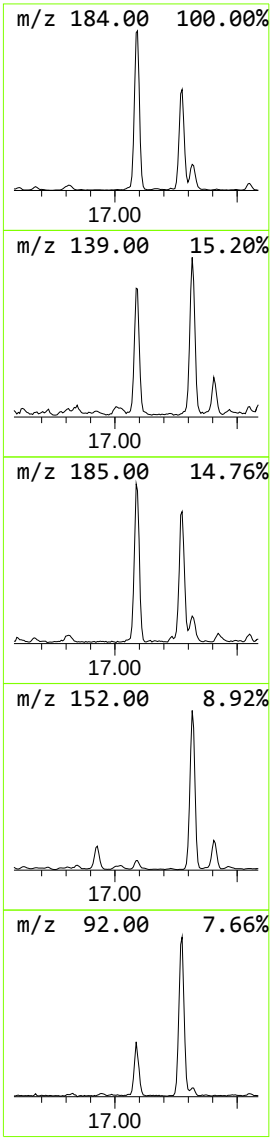
****

Peak Number 5 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.087	4.64 ng	731790	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Data File : BP007178.D
Acq On : 25 Sep 2021 02:10
Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

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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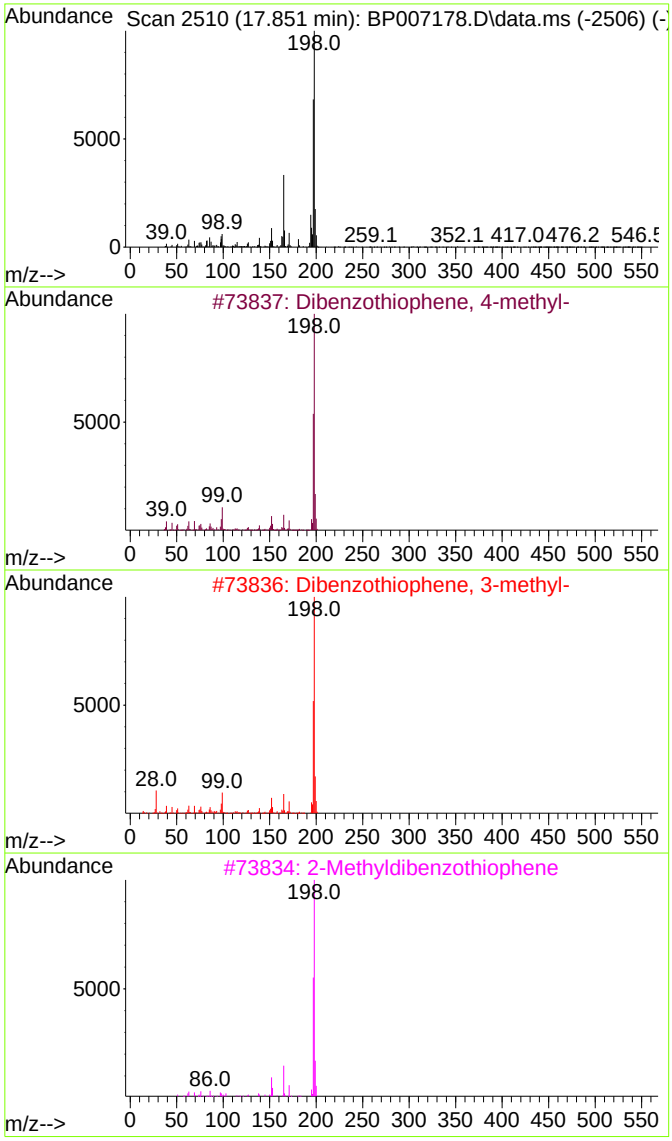
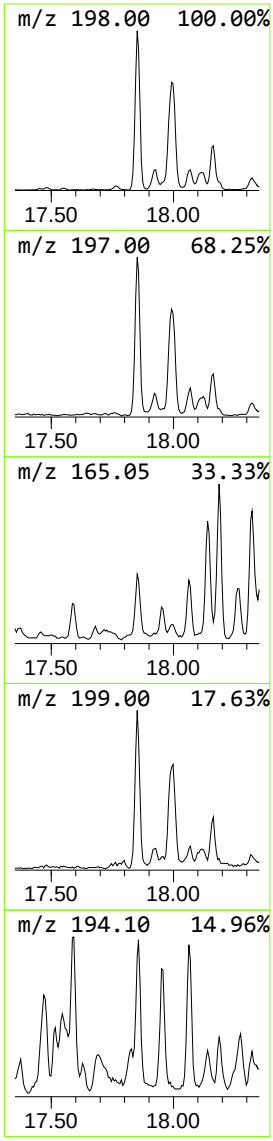
Peak Number 6 Dibenzothiophene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.851	3.42 ng	538664	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
4	Tacrine	198	C13H14N2	000321-64-2	59
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	59





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Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

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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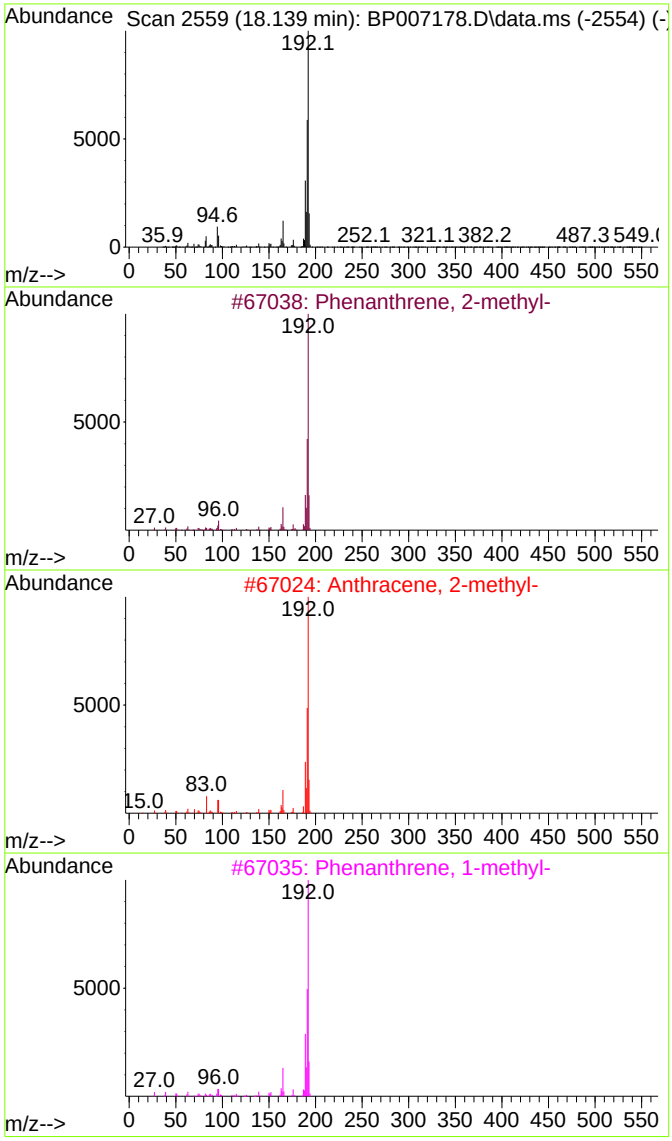
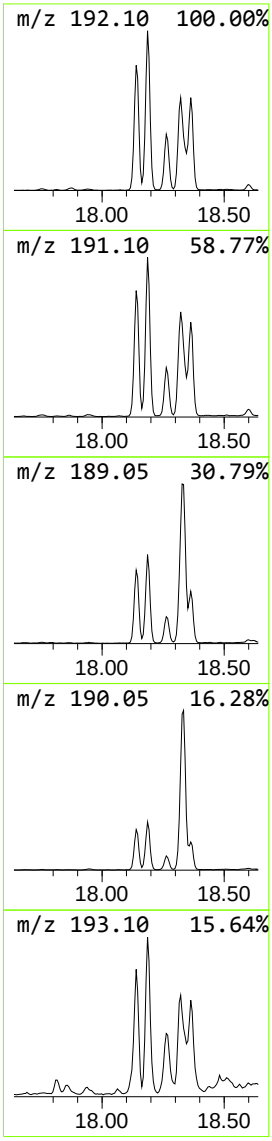
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.139	13.71 ng	2161520	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, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Data File : BP007178.D
Acq On : 25 Sep 2021 02:10
Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-1

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

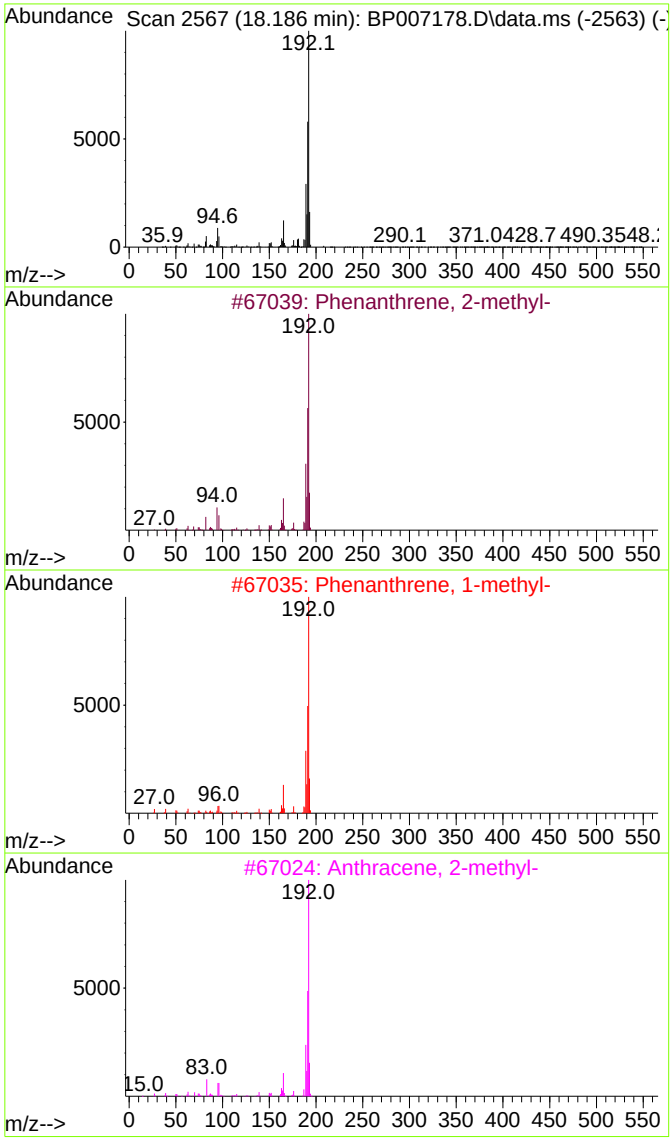
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

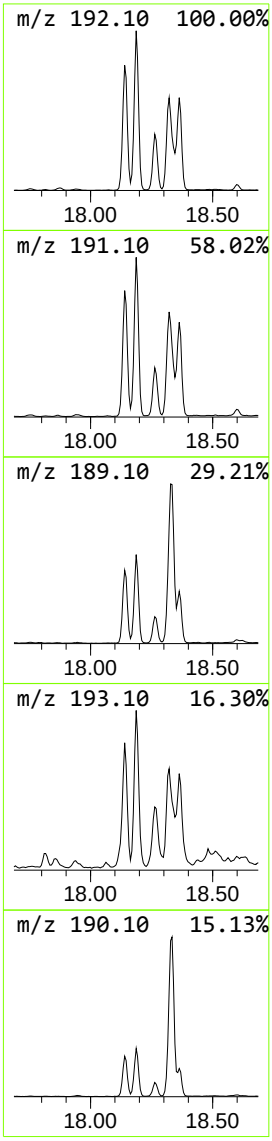
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.186	16.60 ng	2617380	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Acq On : 25 Sep 2021 02:10
Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-1

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

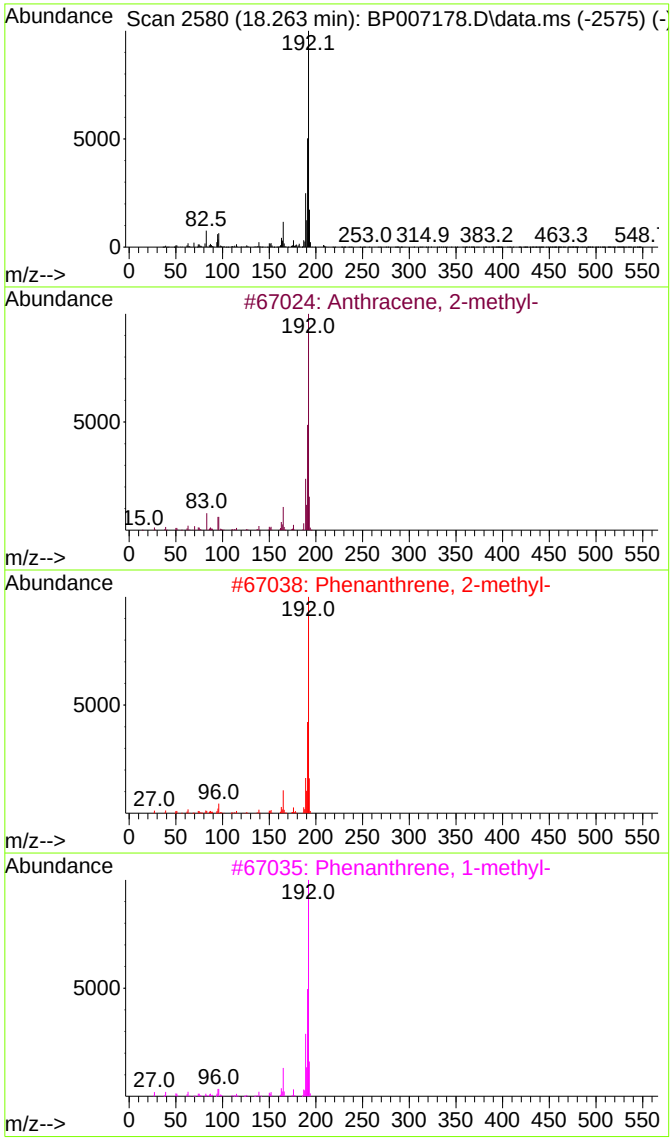
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

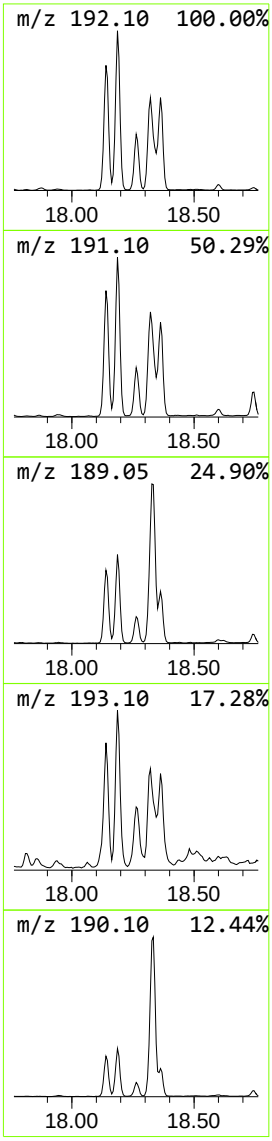
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.263	5.97 ng	941848	Phenanthrene-d10	17.275

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	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Acq On : 25 Sep 2021 02:10
Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-1

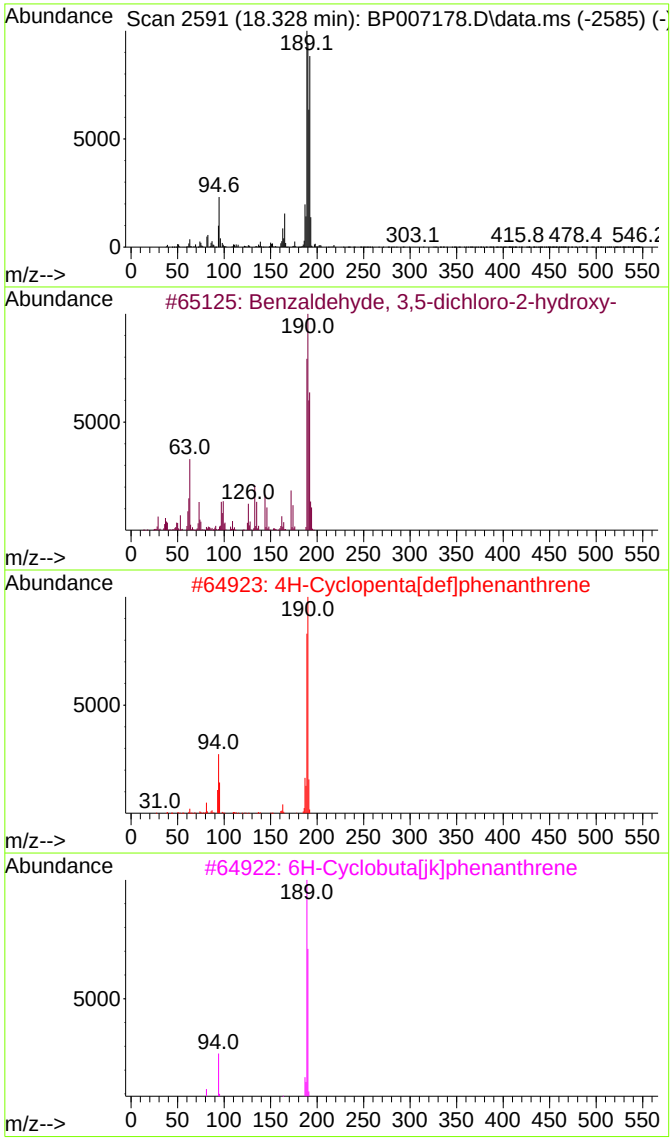
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

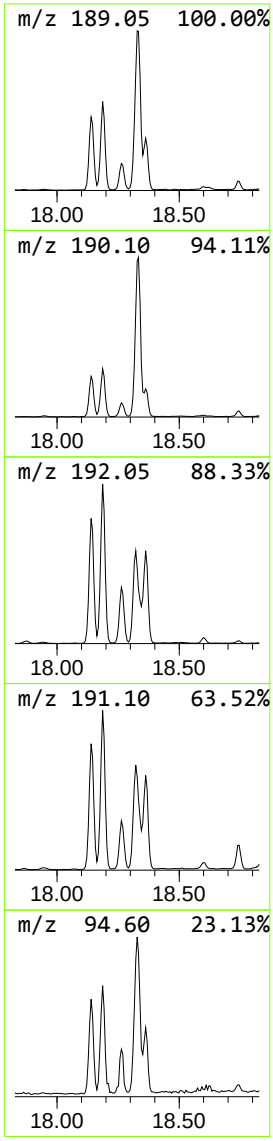
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.328	21.08 ng	3322740	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





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Acq On : 25 Sep 2021 02:10
Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-1

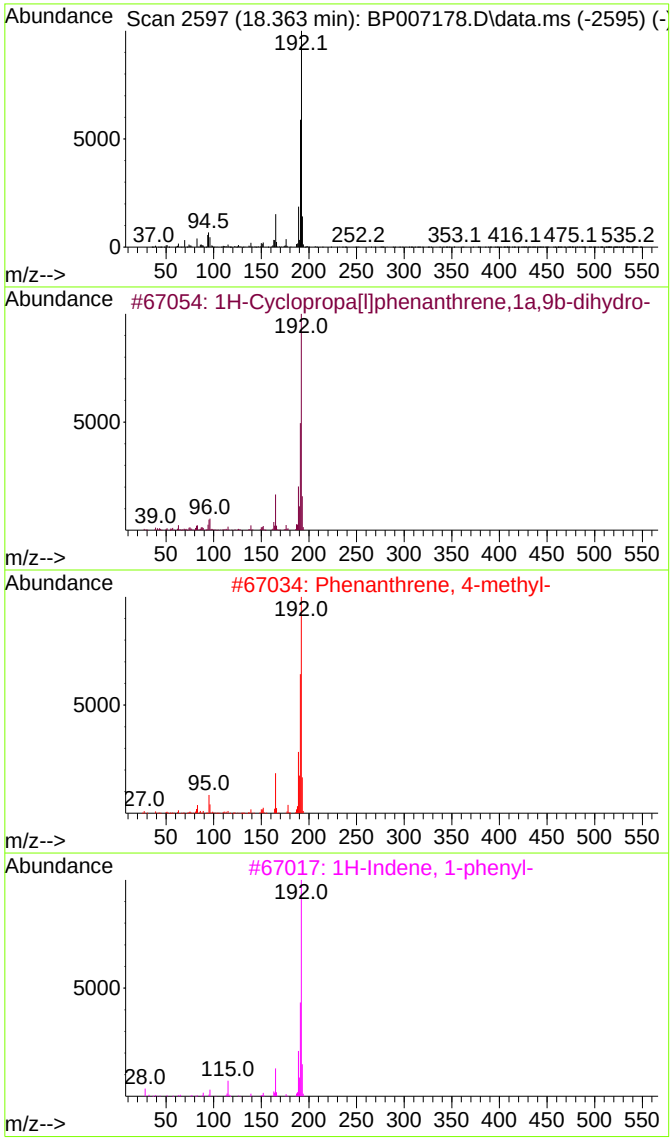
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

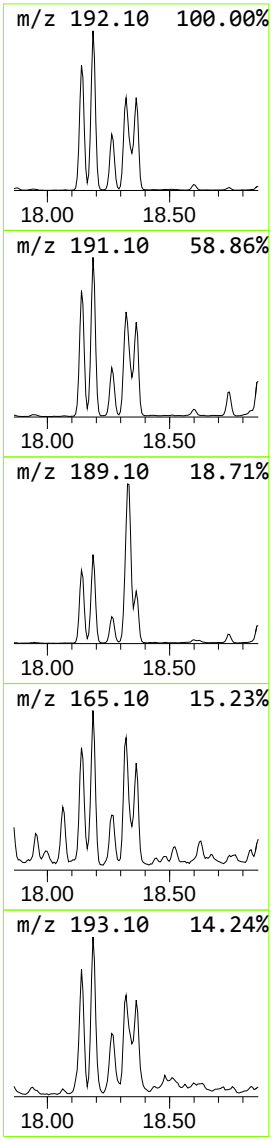
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.363	8.02 ng	1264480	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





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Acq On : 25 Sep 2021 02:10
Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-1

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

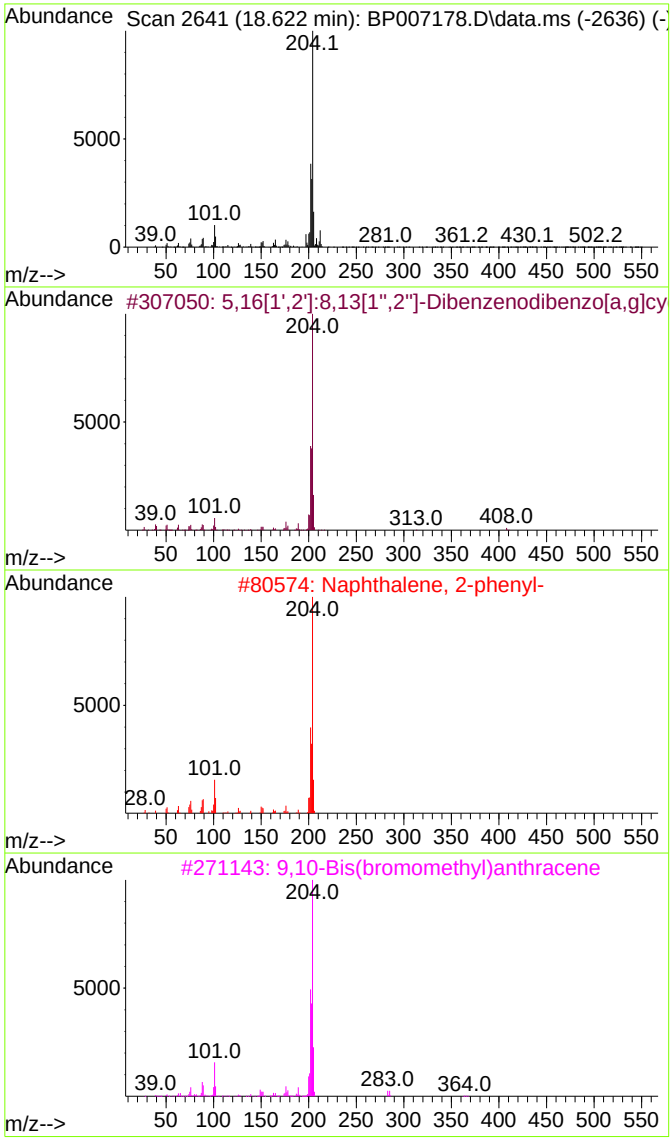
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

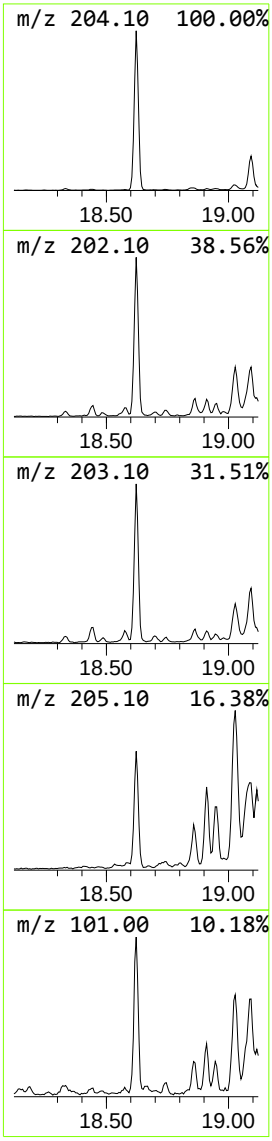
****

Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.622	7.29 ng	1149310	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-1

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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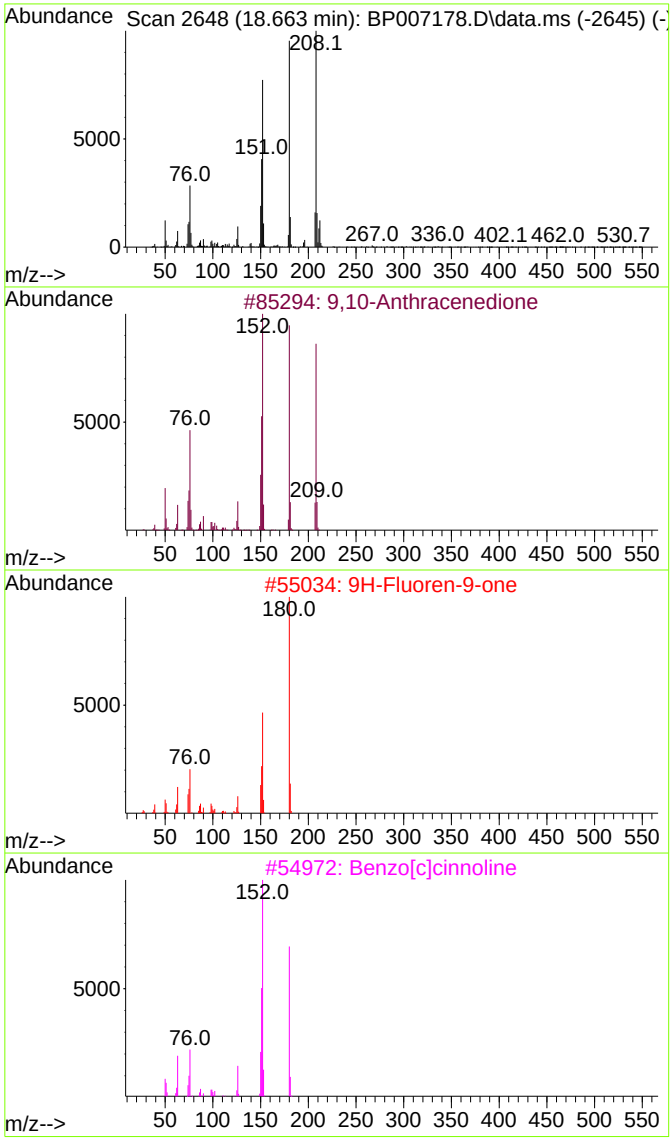
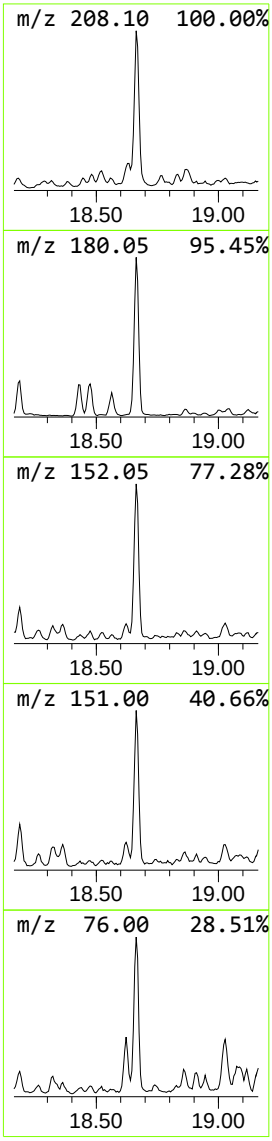
Peak Number 13 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.663	6.10 ng	961833	Phenanthrene-d10	17.275

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	86
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
5	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	53





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Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

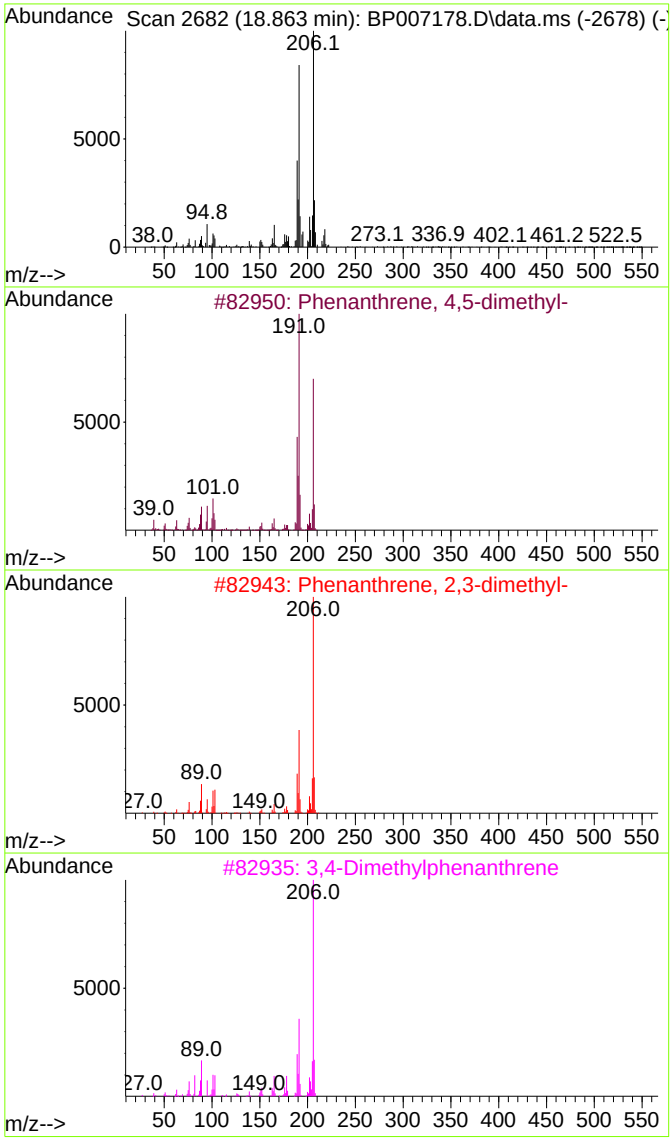
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

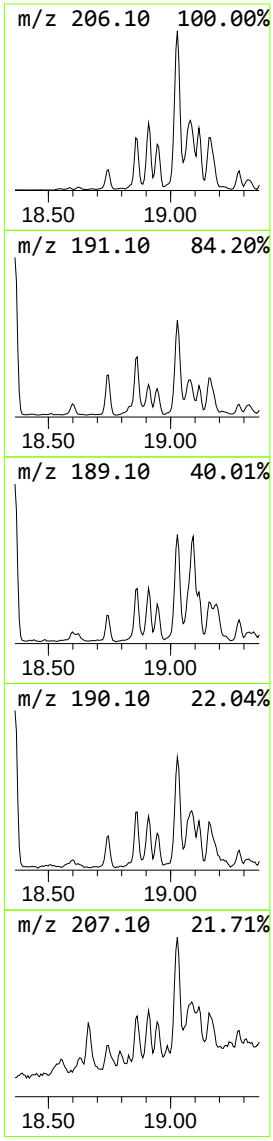
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 4,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.863	4.26 ng	671730	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81





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Acq On : 25 Sep 2021 02:10
Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

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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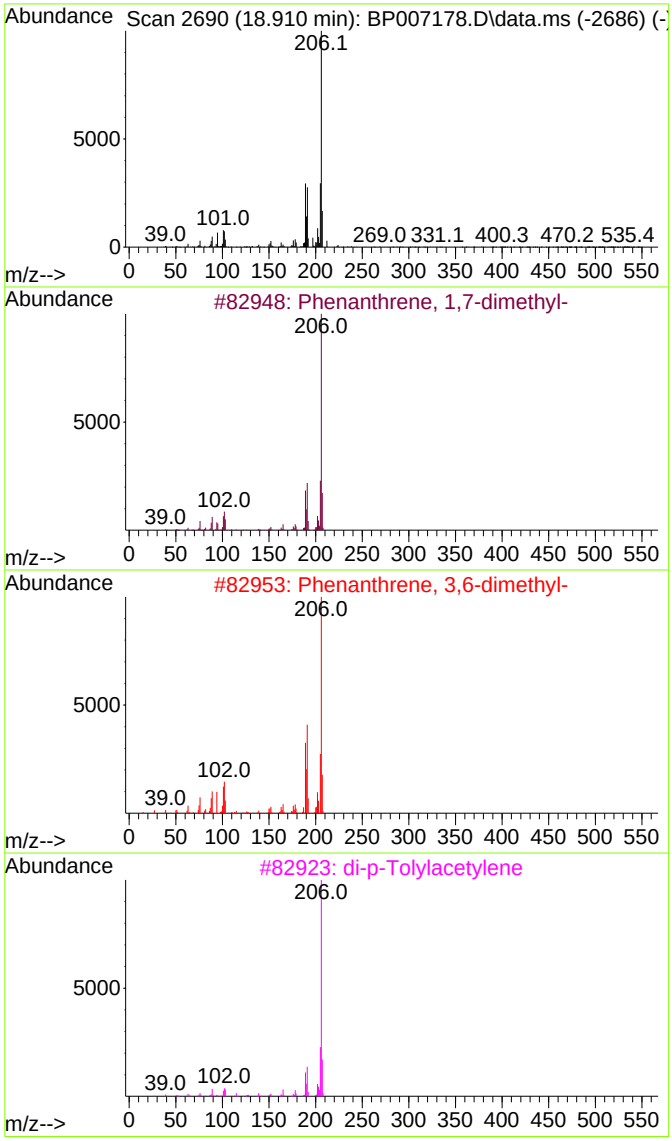
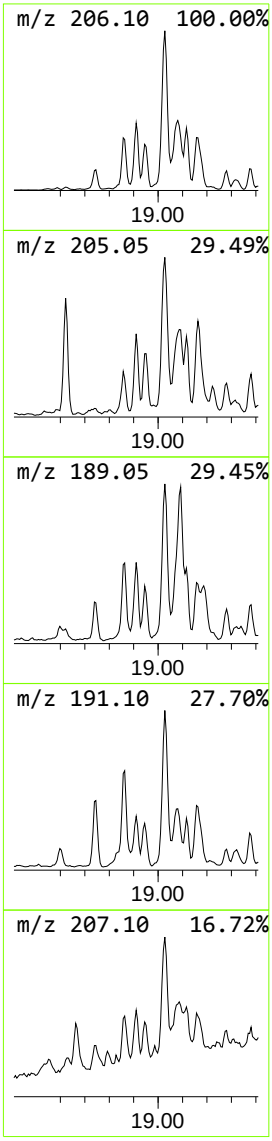
Peak Number 15 Phenanthrene, 1,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.910	3.55 ng	559104	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	80





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Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-1

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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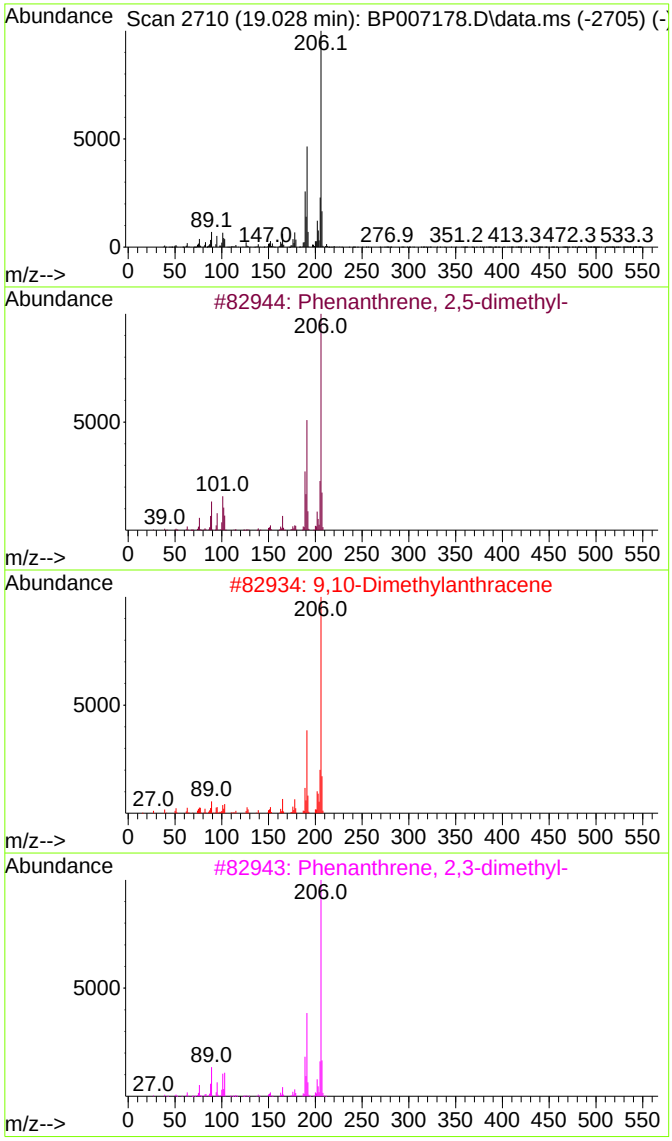
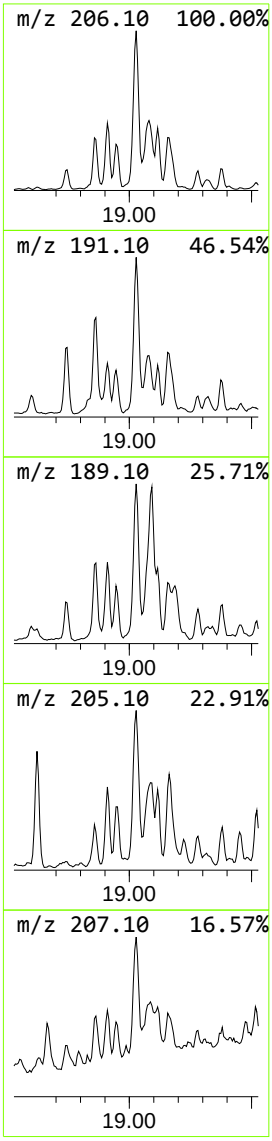
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.028	9.75 ng	1537190	Phenanthrene-d10	17.275

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	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87





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Acq On : 25 Sep 2021 02:10
Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

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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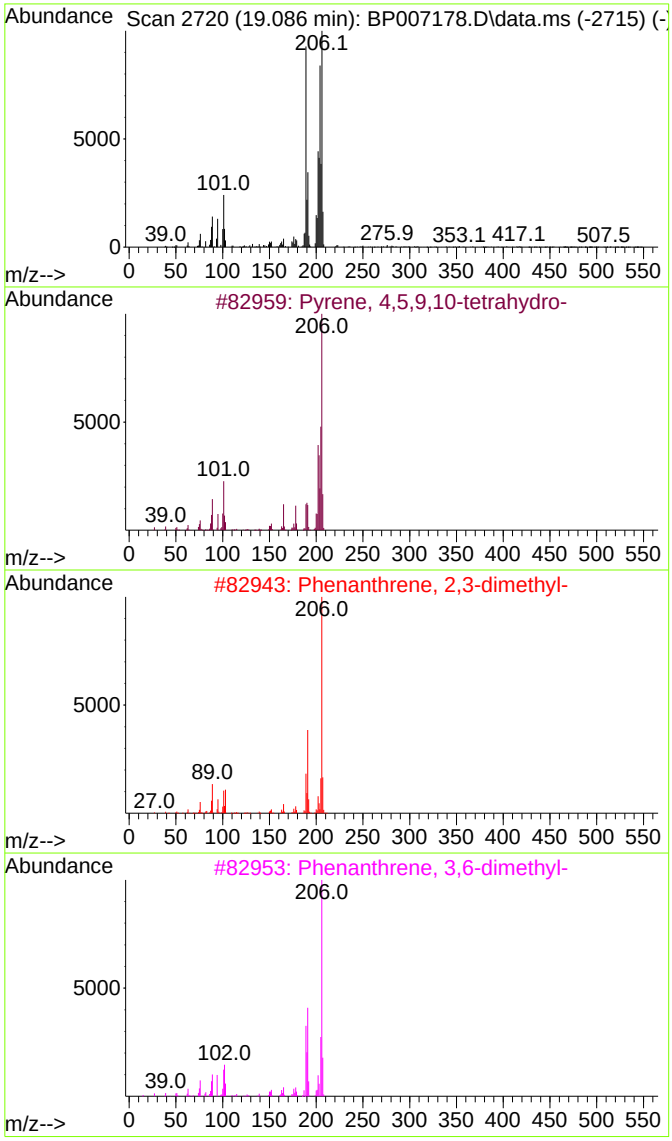
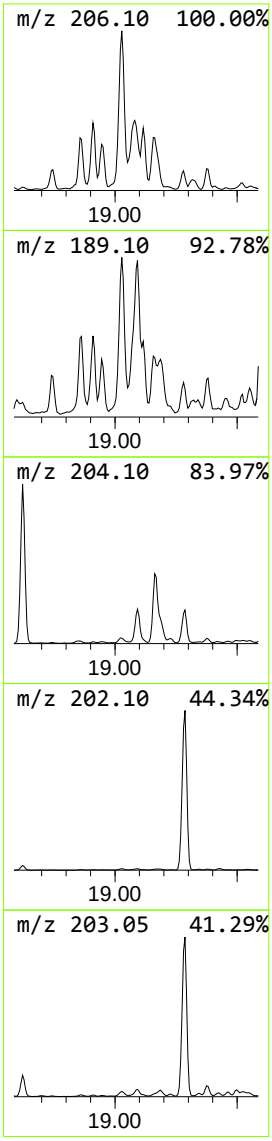
Peak Number 17 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.086	6.08 ng	958176	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	55
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	38
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	30
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007178.D
Acq On : 25 Sep 2021 02:10
Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-1

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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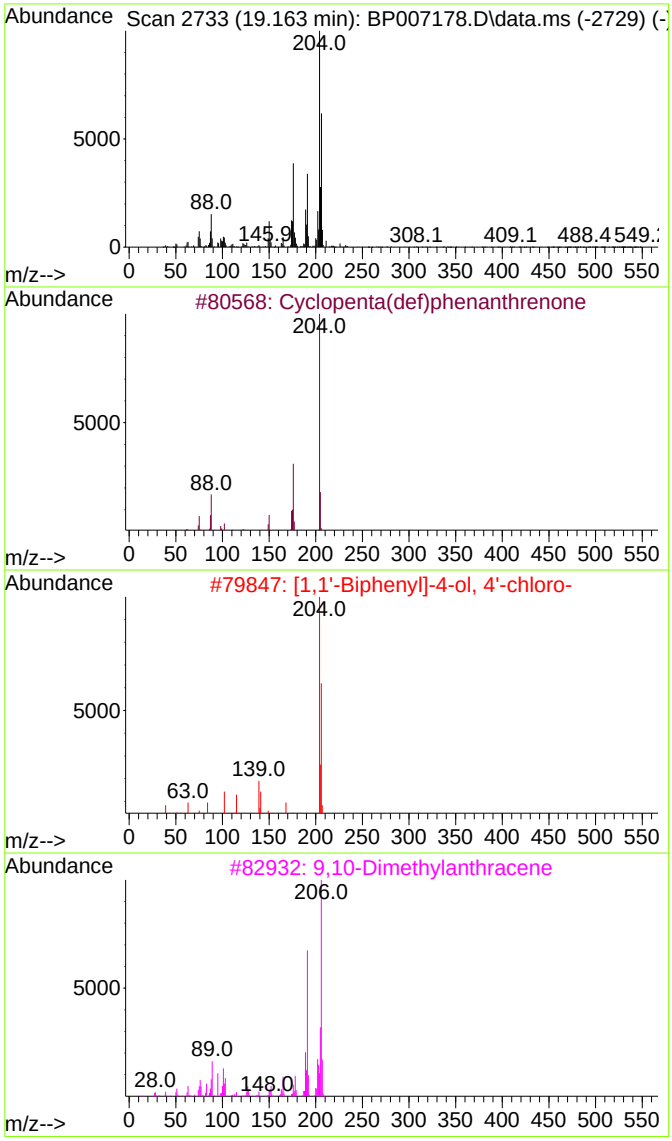
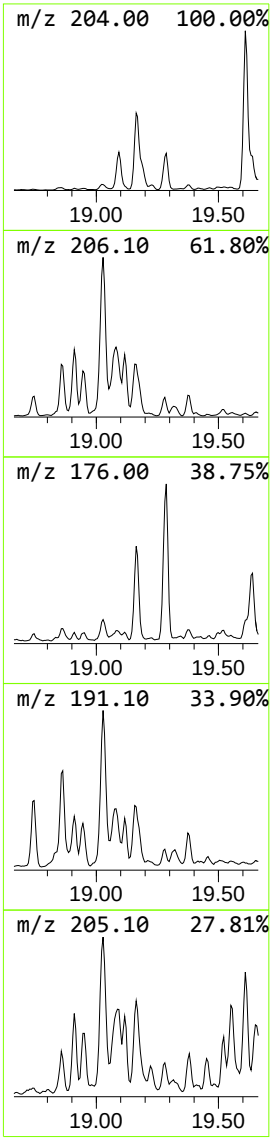
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.163	6.86 ng	1082260	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	38
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007178.D
Acq On : 25 Sep 2021 02:10
Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-1

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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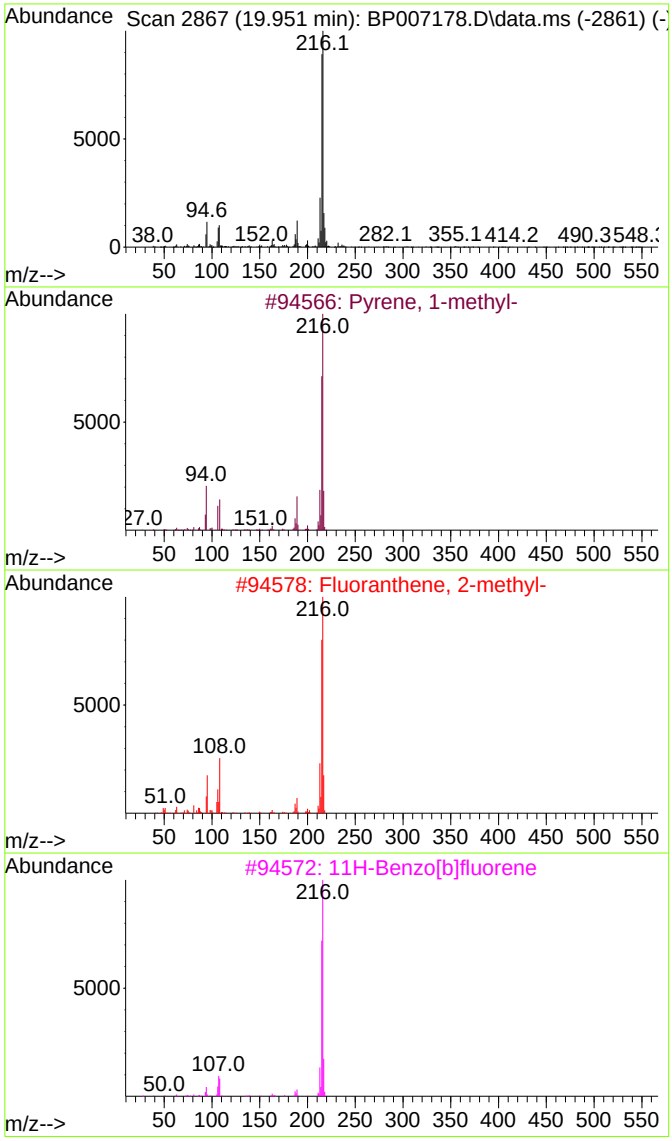
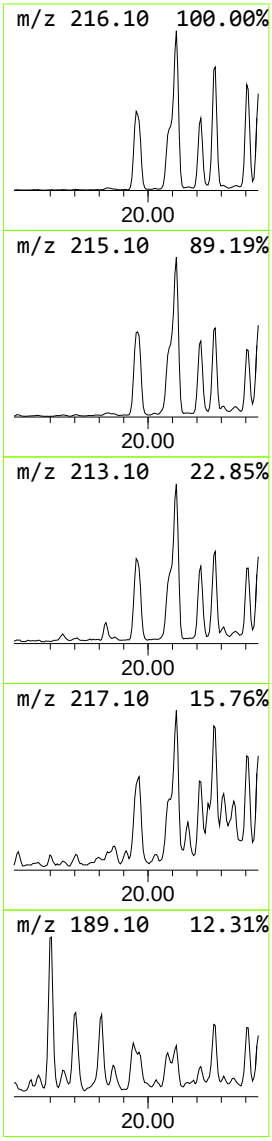
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.951	3.73 ng	1738210	Chrysene-d12	21.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007178.D
Acq On : 25 Sep 2021 02:10
Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

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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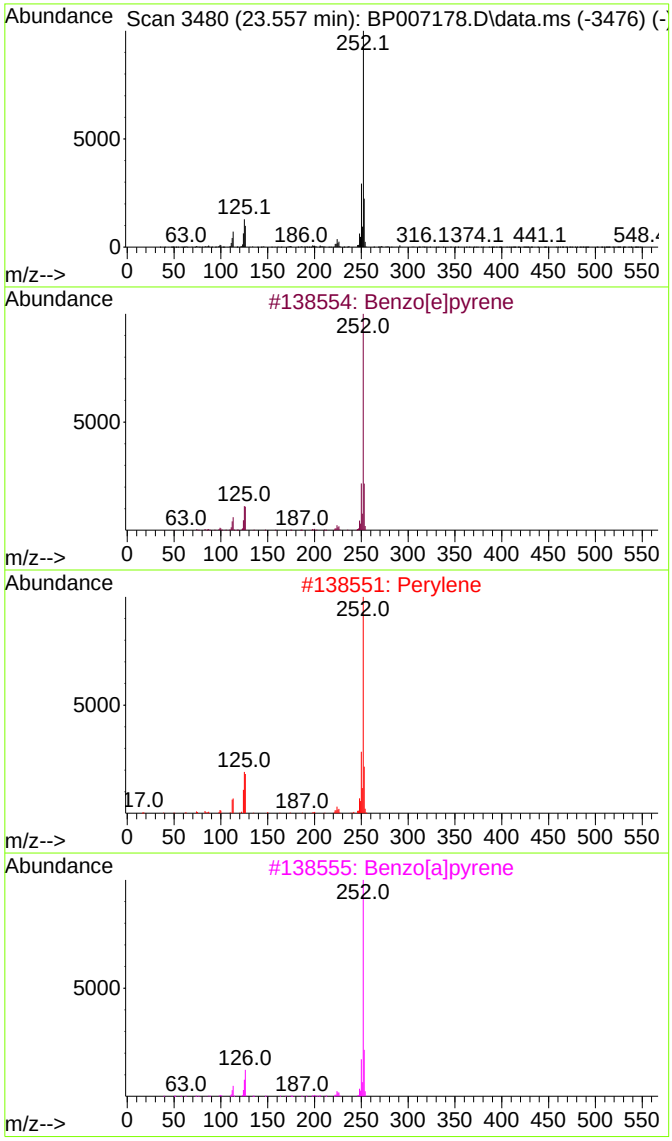
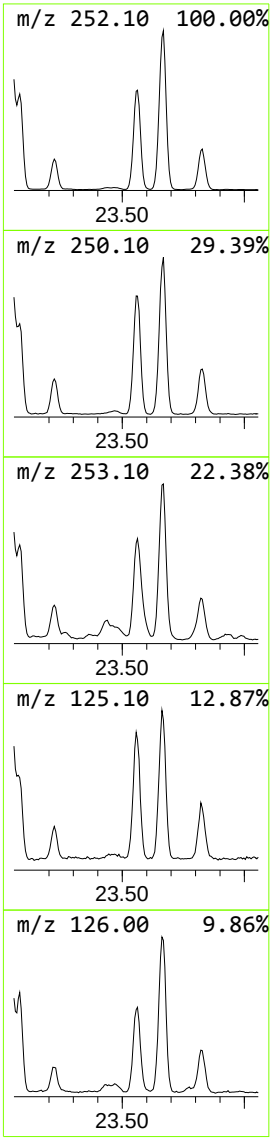
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.557	18.40 ng	3070150	Perylene-d12	23.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007178.D
Acq On : 25 Sep 2021 02:10
Operator : CG/JU
Sample : M3917-19 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-1

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,...	13.845	3.9	ng	552319	3	14.522	2820390	20.0
Dibenzofuran, 4...	15.863	3.2	ng	452601	3	14.522	2820390	20.0
9H-Fluoren-9-one	16.928	3.5	ng	545681	4	17.275	3153030	20.0
Anthracene, 1,2...	17.022	3.6	ng	563876	4	17.275	3153030	20.0
Dibenzothiophene	17.087	4.6	ng	731790	4	17.275	3153030	20.0
Dibenzothiophen...	17.851	3.4	ng	538664	4	17.275	3153030	20.0
Phenanthrene, 2...	18.139	13.7	ng	2161520	4	17.275	3153030	20.0
Phenanthrene, 1...	18.186	16.6	ng	2617380	4	17.275	3153030	20.0
Anthracene, 2-m...	18.263	6.0	ng	941848	4	17.275	3153030	20.0
Benzaldehyde, 3...	18.328	21.1	ng	3322740	4	17.275	3153030	20.0
1H-Cyclopropa[1...	18.363	8.0	ng	1264480	4	17.275	3153030	20.0
5,16[1',2']:8,1...	18.622	7.3	ng	1149310	4	17.275	3153030	20.0
9,10-Anthracene...	18.663	6.1	ng	961833	4	17.275	3153030	20.0
Phenanthrene, 4...	18.863	4.3	ng	671730	4	17.275	3153030	20.0
Phenanthrene, 1...	18.910	3.5	ng	559104	4	17.275	3153030	20.0
Phenanthrene, 2...	19.028	9.8	ng	1537190	4	17.275	3153030	20.0
Pyrene, 4,5,9,1...	19.086	6.1	ng	958176	4	17.275	3153030	20.0
Cyclopenta(def)...	19.163	6.9	ng	1082260	4	17.275	3153030	20.0
Pyrene, 1-methyl-	19.951	3.7	ng	1738210	5	21.357	9325640	20.0
Benzo[e]pyrene	23.557	18.4	ng	3070150	6	23.774	3336930	20.0