LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007179.D
Acq On : 25 Sep 2021 02:44
Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3

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: BP007179.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	425	rVB	1347152	1987904	11.58%	1.063%
2	7.058	667	675	683	rBV	1232812	2059938	12.00%	1.102%
3	7.887	806	816	826	rBV	949942	1533067	8.93%	0.820%
4	9.052	1008	1014	1023	rBV	787972	1292899	7.53%	0.692%
5	10.693	1281	1293	1297	rBV	1293756	2220371	12.93%	1.188%
6	10.740	1297	1301	1312	rVB	473348	782388	4.56%	0.419%
7	12.351	1568	1575	1584	rVB	569084	912798	5.32%	0.488%
8	12.569	1602	1612	1620	rVB	693947	1123901	6.55%	0.601%
9	13.146	1701	1710	1721	rVB	2184518	3239023	18.86%	1.733%
10	13.357	1741	1746	1753	rVB2	142440	220054	1.28%	0.118%
11	13.557	1775	1780	1783	rBV	124552	213672	1.24%	0.114%
12	13.687	1796	1802	1803	rBV	421686	588380	3.43%	0.315%
13	13.846	1822	1829	1834	rBV	763323	1364854	7.95%	0.730%
14	13.898	1834	1838	1843	rVB	454630	629064	3.66%	0.337%
15	13.975	1848	1851	1860	rVV	224598	392412	2.29%	0.210%
16	14.081	1861	1869	1872	rVV	353984	568271	3.31%	0.304%
17	14.110	1872	1874	1880	rVB	127054	172480	1.00%	0.092%
18	14.246	1889	1897	1906	rBV	1155797	1847852	10.76%	0.989%
19	14.522	1934	1944	1950	rVV	2033257	3221320	18.76%	1.723%
20	14.587	1950	1955	1963	rVV	892966	1385996	8.07%	0.741%
21	14.734	1973	1980	1988	rBV3	194409	469995	2.74%	0.251%
22	14.822	1988	1995	2001	rBV4	91923	243482	1.42%	0.130%
23	14.922	2005	2012	2019	rVB	783622	1272075	7.41%	0.681%
24	14.998	2019	2025	2030	rVB	408734	591268	3.44%	0.316%
25	15.140	2041	2049	2054	rBV3	350574	779940	4.54%	0.417%
26	15.193	2054	2058	2062	rVB	297815	391811	2.28%	0.210%
27	15.310	2070	2078	2081	rBV2	243847	549532	3.20%	0.294%
28	15.340	2081	2083	2087	rVV	164347	234960	1.37%	0.126%
29	15.393	2087	2092	2098	rVB2	201152	361684	2.11%	0.193%
30	15.481	2103	2107	2110	rVV3	104579	179387	1.04%	0.096%
31	15.569	2116	2122	2134	rVB	1500833	2421445	14.10%	1.295%
32	15.692	2140	2143	2146	rVV3	176865	219938	1.28%	0.118%
33	15.728	2146	2149	2154	rVB4	162409	226252	1.32%	0.121%
34	15.781	2154	2158	2162	rBV2	216125	325305	1.89%	0.174%
35	15.863	2167	2172	2188	rVV3	335800	921760	5.37%	0.493%
36	16.010	2188	2197	2205	rVV2	2036623	3377817	19.67%	1.807%

LSC Area Percent Report

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Sample : M3917-01 2X
Misc :
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Instrument : BNA_P
ClientSampleId : TP-3

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	16.081	2205	2209	2221	rVB2	101311	277784	1.62%	0.149%
38	16.245	2231	2237	2250	rVB5	357401	724938	4.22%	0.388%
39	16.381	2256	2260	2264	rBV	119276	191557	1.12%	0.102%
40	16.575	2285	2293	2298	rBV2	476633	992698	5.78%	0.531%
41	16.622	2298	2301	2307	rVB2	354480	515653	3.00%	0.276%
42	16.728	2315	2319	2324	rVB2	291313	426483	2.48%	0.228%
43	16.845	2336	2339	2343	rVB3	174760	210836	1.23%	0.113%
44	16.928	2350	2353	2360	rVB3	182165	305944	1.78%	0.164%
45	17.087	2376	2380	2389	rVB	836958	1326266	7.72%	0.710%
46	17.275	2406	2412	2415	rBV	2317562	3477486	20.25%	1.860%
47	17.316	2415	2419	2426	rVV	8130335	11882856	69.20%	6.357%
48	17.404	2429	2434	2440	rVB	2640886	3672626	21.39%	1.965%
49	17.469	2440	2445	2450	rBV2	348842	655315	3.82%	0.351%
50	17.675	2476	2480	2486	rBV	579200	880657	5.13%	0.471%
51	17.792	2493	2500	2503	rVV2	220935	411572	2.40%	0.220%
52	17.851	2506	2510	2518	rVB	579349	824951	4.80%	0.441%
53	17.992	2529	2534	2540	rVB	426544	748041	4.36%	0.400%
54	18.139	2554	2559	2564	rBV	1945464	3051459	17.77%	1.632%
55	18.186	2564	2567	2573	rVB	2454293	3266394	19.02%	1.747%
56	18.263	2575	2580	2585	rBV	923766	1360825	7.92%	0.728%
57	18.328	2585	2591	2595	rVV2	2622443	4777044	27.82%	2.556%
58	18.363	2595	2597	2603	rVB	1359278	1507713	8.78%	0.807%
59	18.445	2607	2611	2613	rBV2	168379	210128	1.22%	0.112%
60	18.522	2620	2624	2628	rVB3	277340	360831	2.10%	0.193%
61	18.622	2637	2641	2645	rBV	917598	1127409	6.57%	0.603%
62	18.669	2645	2649	2658	rVB2	388488	777807	4.53%	0.416%
63	18.833	2674	2677	2679	rBV	230136	329160	1.92%	0.176%
64	18.857	2679	2681	2685	rVV	501712	660680	3.85%	0.353%
65	18.910	2686	2690	2693	rVV	779877	1061967	6.18%	0.568%
66	18.945	2693	2696	2700	rVB2	587874	749359	4.36%	0.401%
67	19.028	2705	2710	2714	rBV	1448387	2384318	13.89%	1.276%
68	19.086	2716	2720	2723	rVV3	714345	1240106	7.22%	0.663%
69	19.116	2723	2725	2729	rVB	510454	510361	2.97%	0.273%
70	19.163	2729	2733	2740	rBV2	609117	1396975	8.14%	0.747%
71	19.286	2748	2754	2759	rBV	10581807	14260952	83.05%	7.629%
72	19.345	2760	2764	2766	rVV	361392	481359	2.80%	0.258%
73	19.381	2766	2770	2774	rVV2	401909	538728	3.14%	0.288%
74	19.428	2774	2778	2782	rVV	495356	642679	3.74%	0.344%
75	19.516	2789	2793	2796	rBV	601935	842168	4.90%	0.451%
76	19.639	2804	2814	2821	rBV	10462056	17171363	100.00%	9.186%

LSC Area Percent Report

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Acq On : 25 Sep 2021 02:44
Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3

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

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

77	19.704	2821	2825	2831	rVB2	801776	1227258	7.15%	0.657%
78	19.828	2842	2846	2850	rVB	3315982	3948603	23.00%	2.112%
79	19.869	2850	2853	2858	rVB2	490199	698253	4.07%	0.374%
80	19.951	2862	2867	2874	rBV3	845796	2158509	12.57%	1.155%
81	20.116	2885	2895	2900	rVB	2175322	4157934	24.21%	2.224%
82	20.216	2908	2912	2916	rBV	1644413	1945215	11.33%	1.041%
83	20.269	2917	2921	2925	rVB2	1276124	1769790	10.31%	0.947%
84	20.410	2941	2945	2948	rBV	1092511	1366652	7.96%	0.731%
85	20.451	2949	2952	2956	rVB	1057823	1276785	7.44%	0.683%
86	21.010	3044	3047	3050	rVV	753309	801788	4.67%	0.429%
87	21.045	3050	3053	3057	rVV	755199	726765	4.23%	0.389%
88	21.086	3057	3060	3064	rVB2	638327	848984	4.94%	0.454%
89	21.345	3099	3104	3110	rBV3	6211919	11971595	69.72%	6.405%
90	21.398	3110	3113	3122	rVB	4852051	6233513	36.30%	3.335%
91	21.522	3130	3134	3139	rBV	904744	1376055	8.01%	0.736%
92	23.045	3387	3393	3398	rBV	3027499	7611682	44.33%	4.072%
93	23.569	3477	3482	3491	rVB	2226981	4584486	26.70%	2.453%
94	23.674	3494	3500	3508	rVB	3495526	7021420	40.89%	3.756%
95	23.780	3513	3518	3523	rVV2	1438680	2637967	15.36%	1.411%

Sum of corrected areas: 186921997

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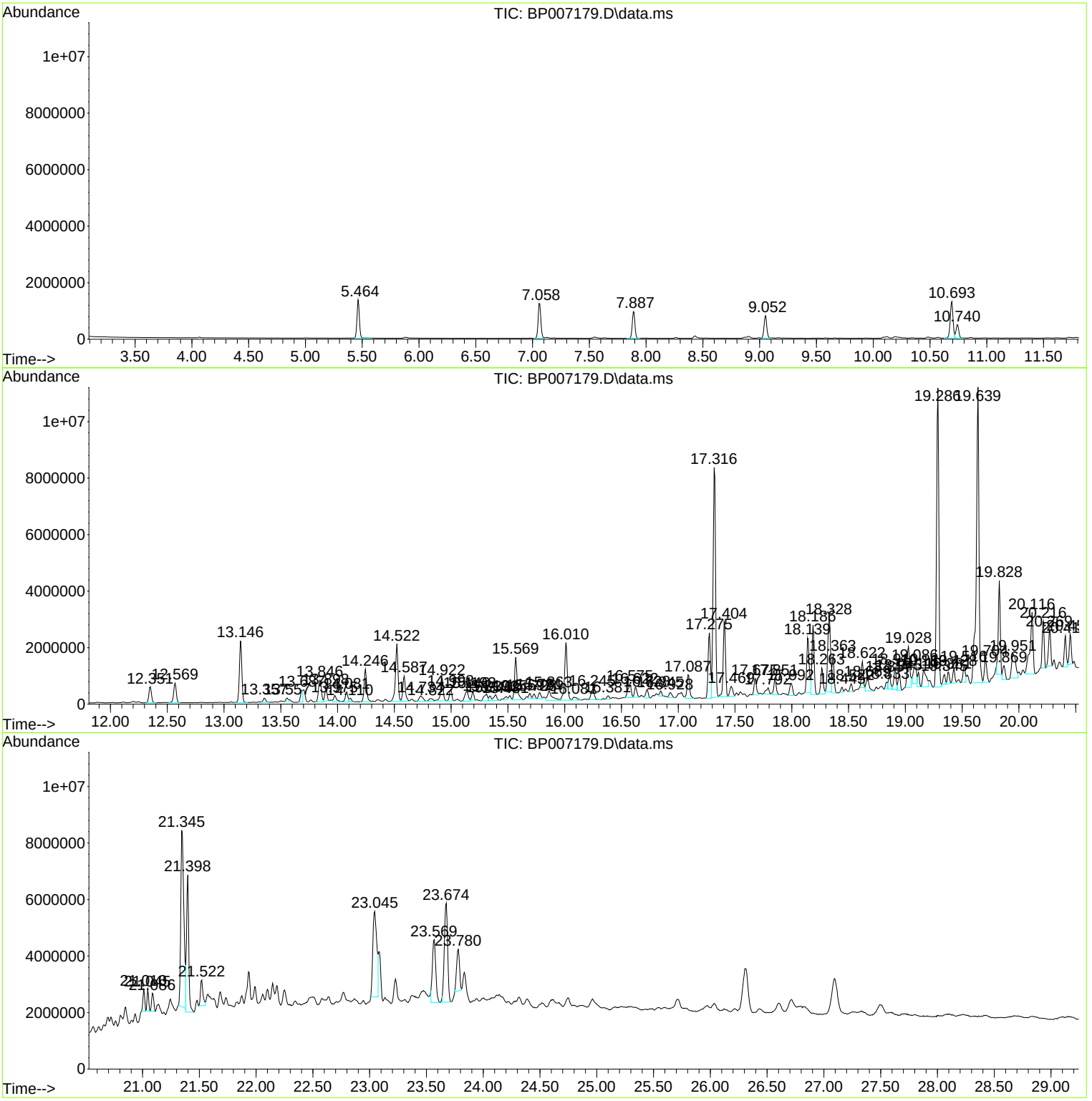
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3

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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ALS Vial : 20 Sample Multiplier: 1

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

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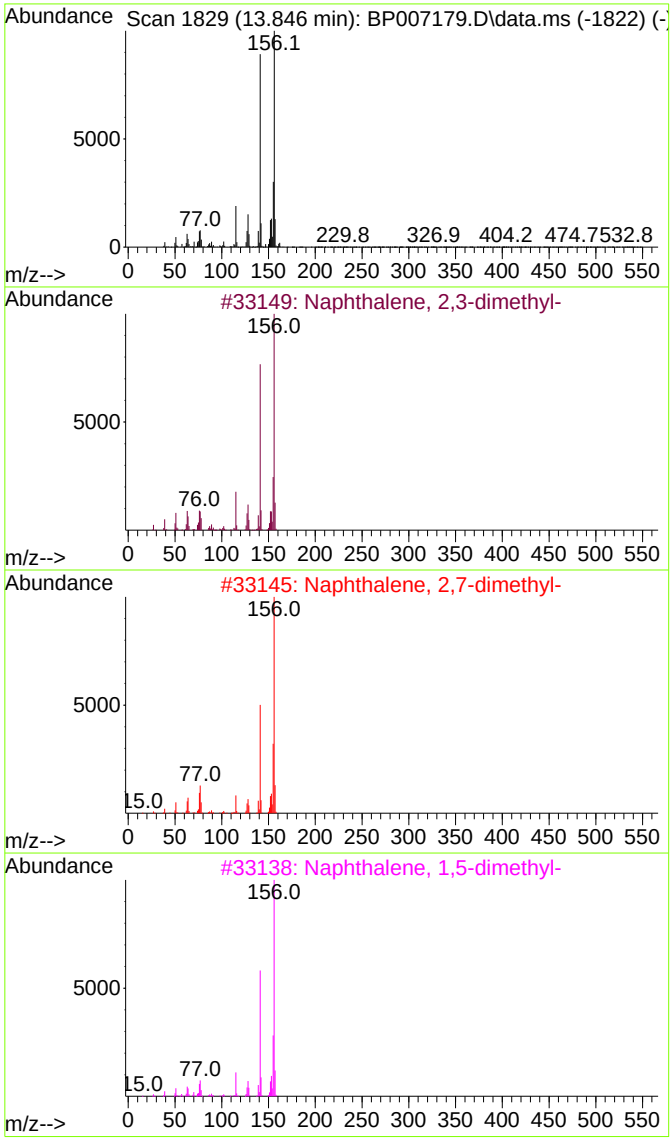
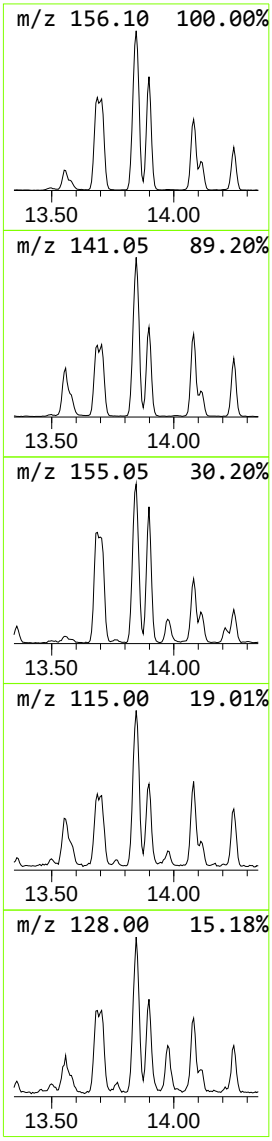
Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.845	8.47 ng	1364850	Acenaphthene-d10	14.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007179.D
Acq On : 25 Sep 2021 02:44
Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3

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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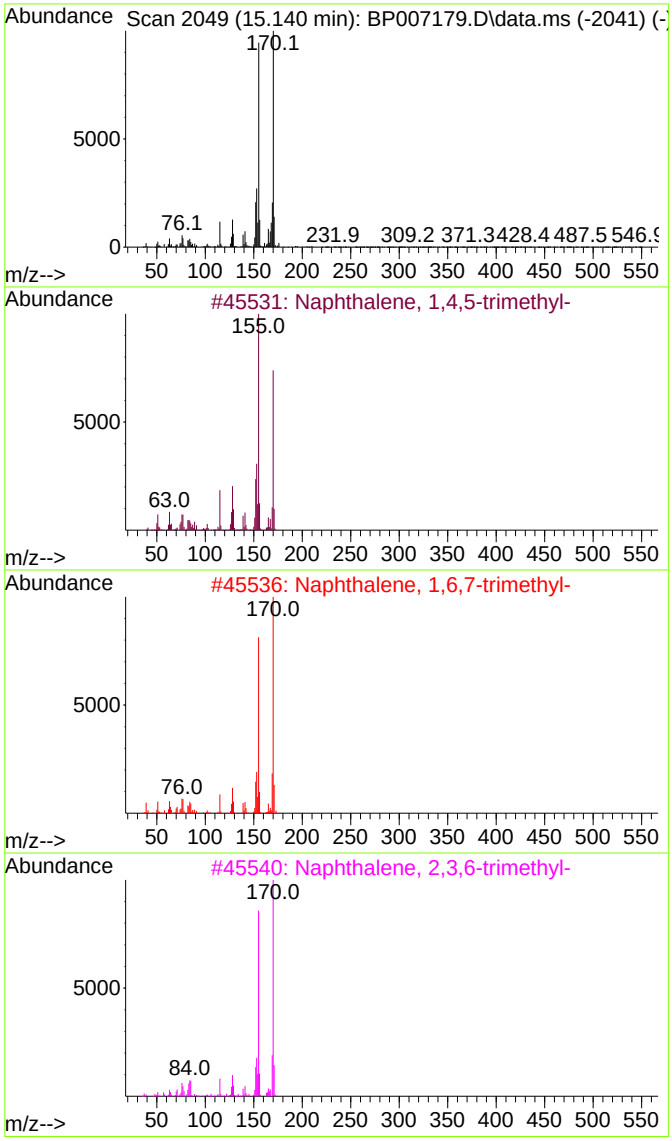
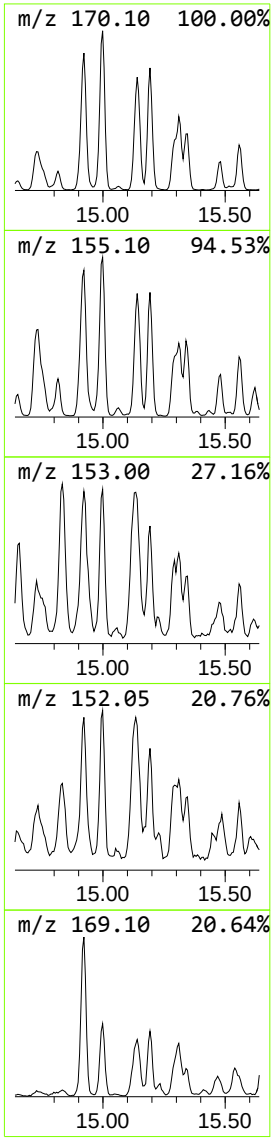
Peak Number 2 Naphthalene, 1,4,5-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.140	4.84 ng	779940	Acenaphthene-d10	14.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
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Misc :
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Instrument : BNA_P
ClientSampleId : TP-3

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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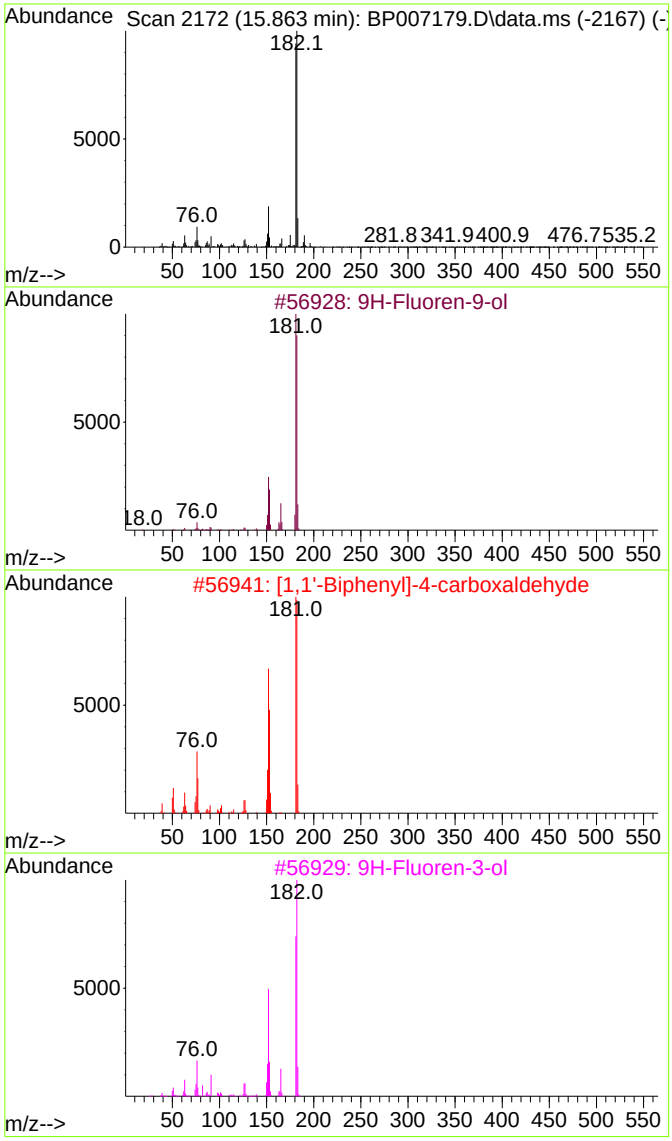
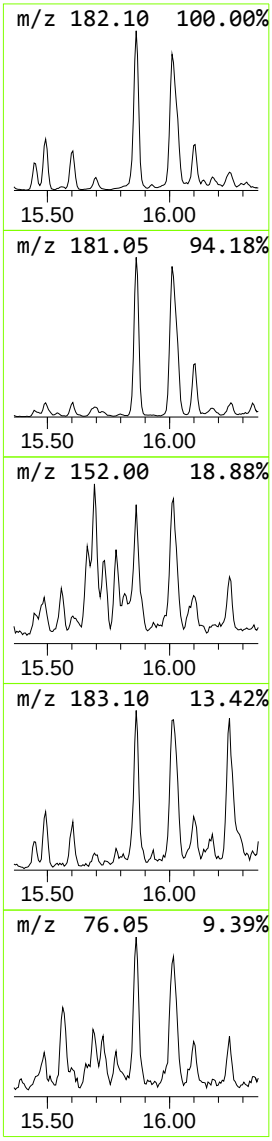
Peak Number 3 9H-Fluoren-9-ol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.863	5.72 ng	921760	Acenaphthene-d10	14.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	70





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Misc :
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Instrument : BNA_P
ClientSampleId : TP-3

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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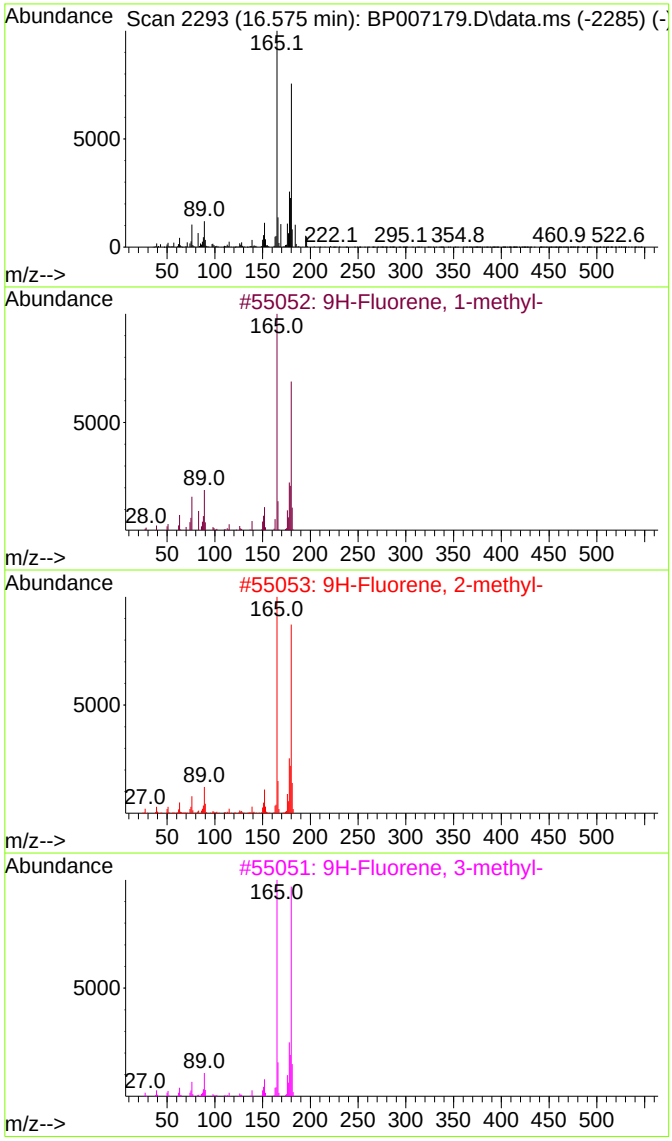
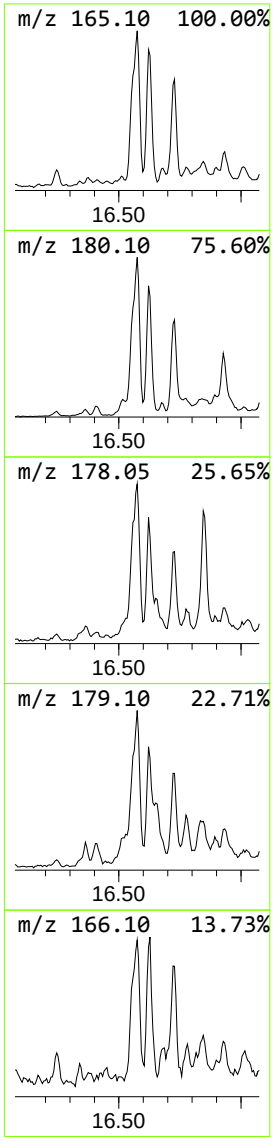
Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.575	5.71 ng	992698	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	(E)-Stilbene	180	C14H12	000103-30-0	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007179.D
Acq On : 25 Sep 2021 02:44
Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3

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

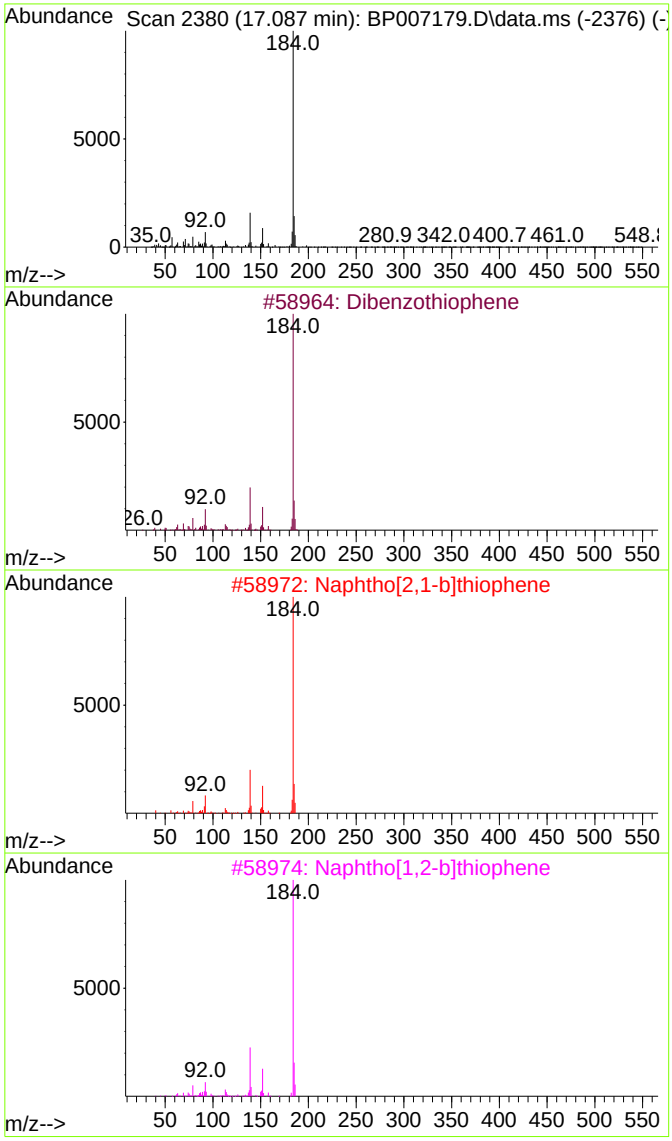
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

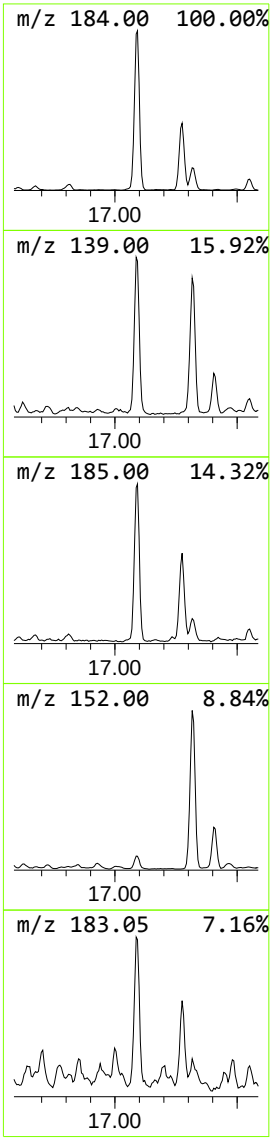
****

Peak Number 5 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.087	7.63 ng	1326270	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	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Acq On : 25 Sep 2021 02:44
Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3

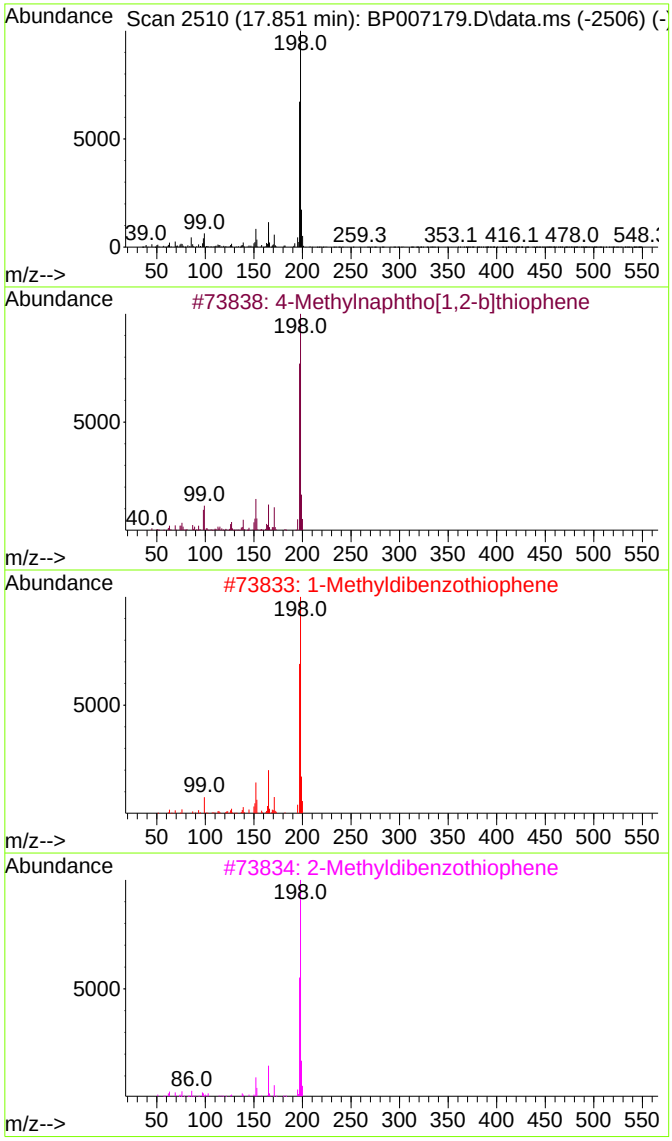
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

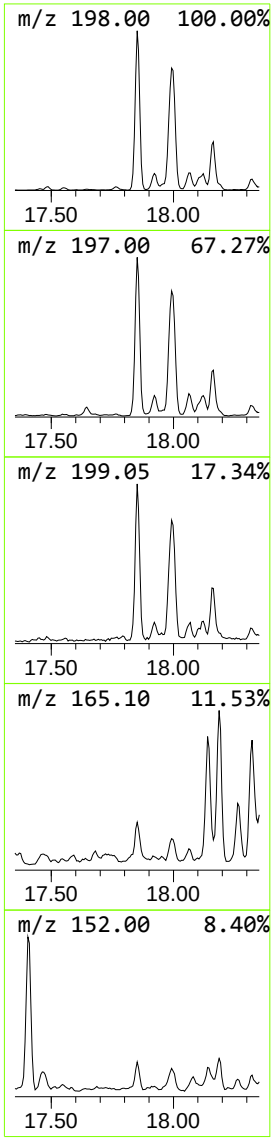
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.851	4.74 ng	824951	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	97
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	95
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	95
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	95





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Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3

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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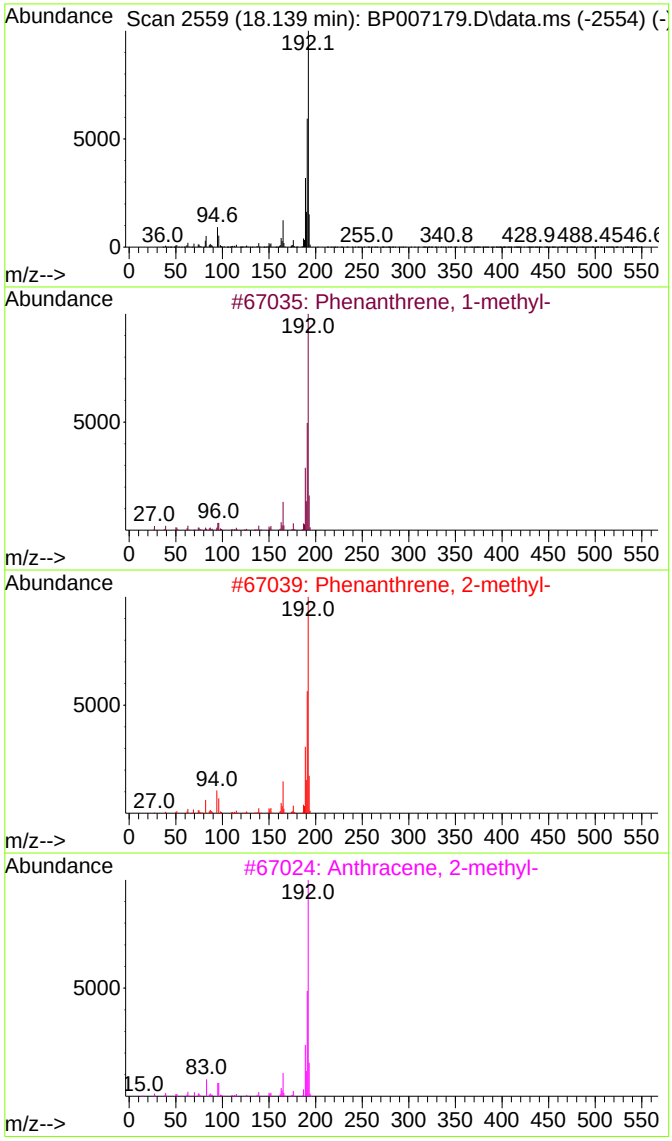
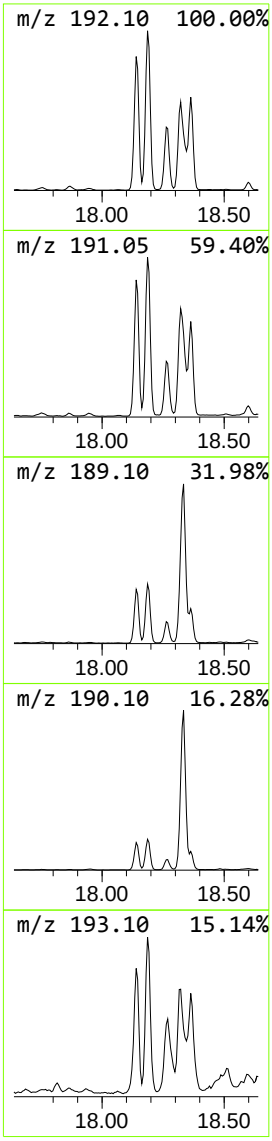
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.139	17.55 ng	3051460	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3

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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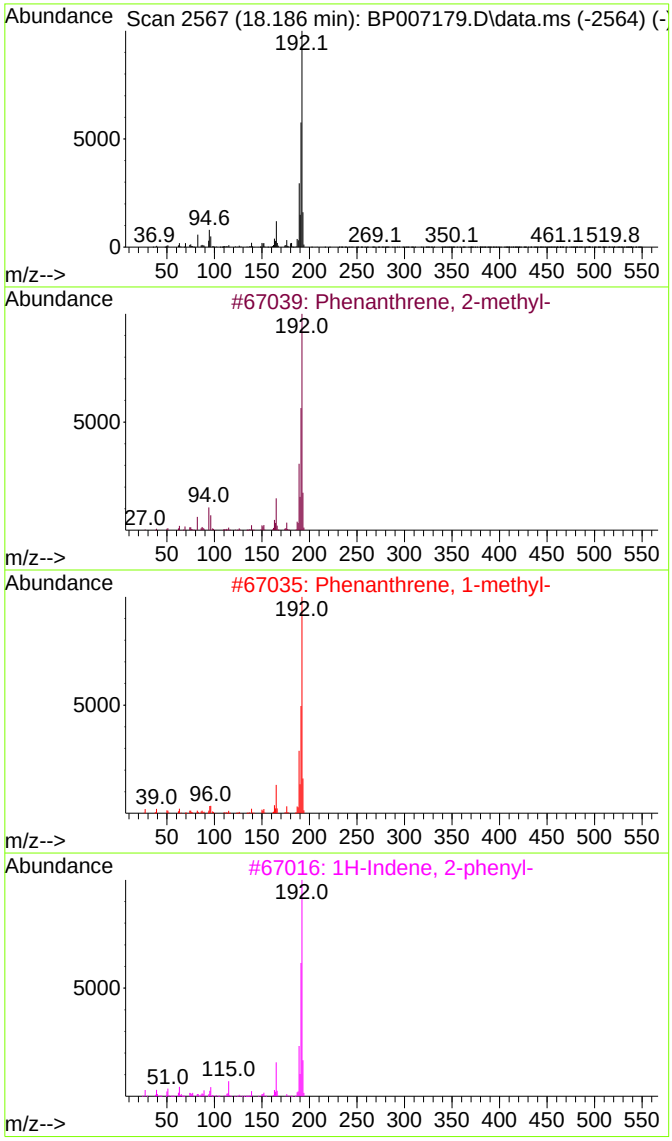
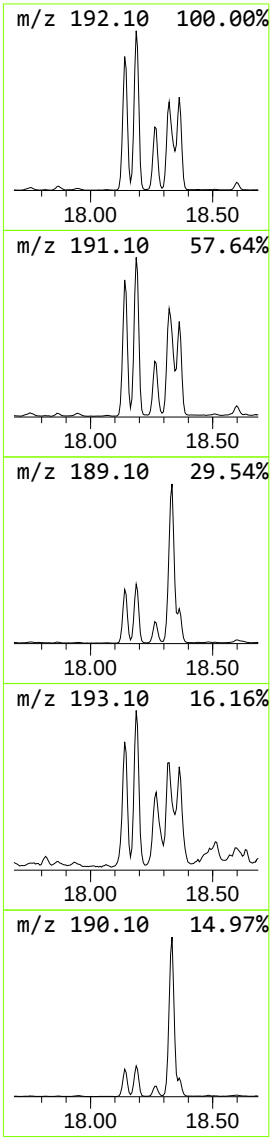
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.186	18.79 ng	3266390	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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3

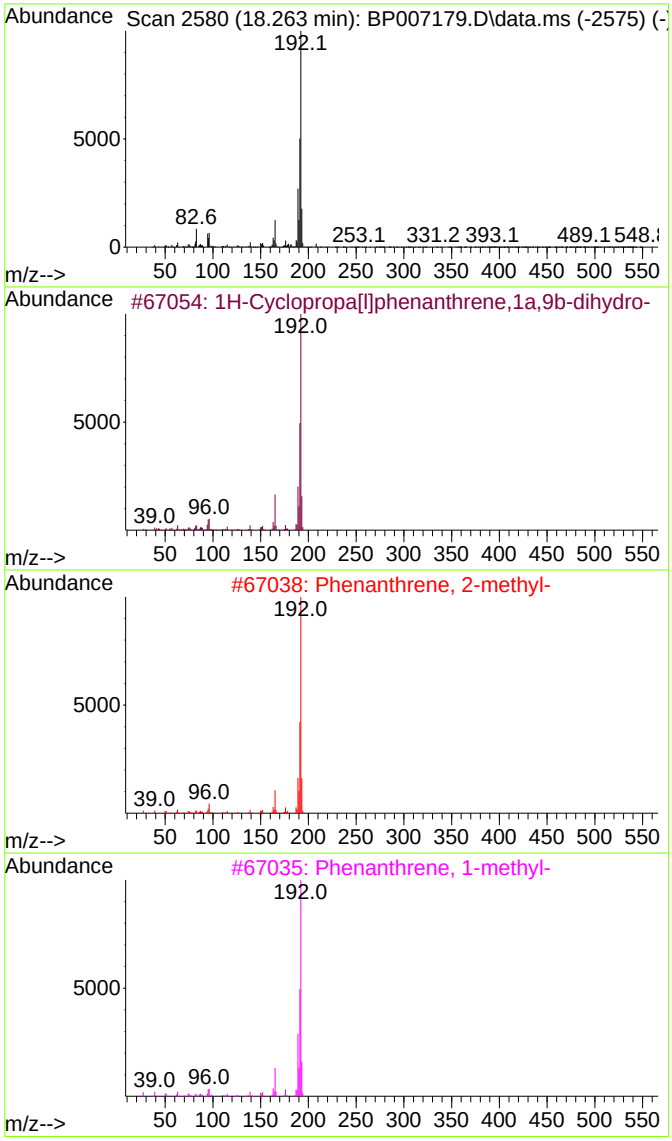
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

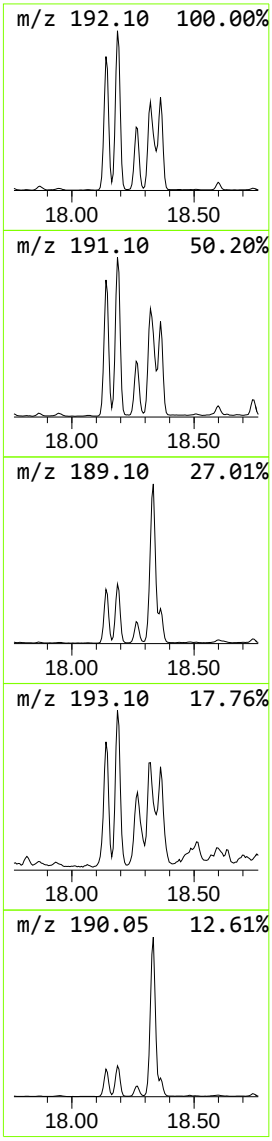
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.263	7.83 ng	1360830	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





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Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3

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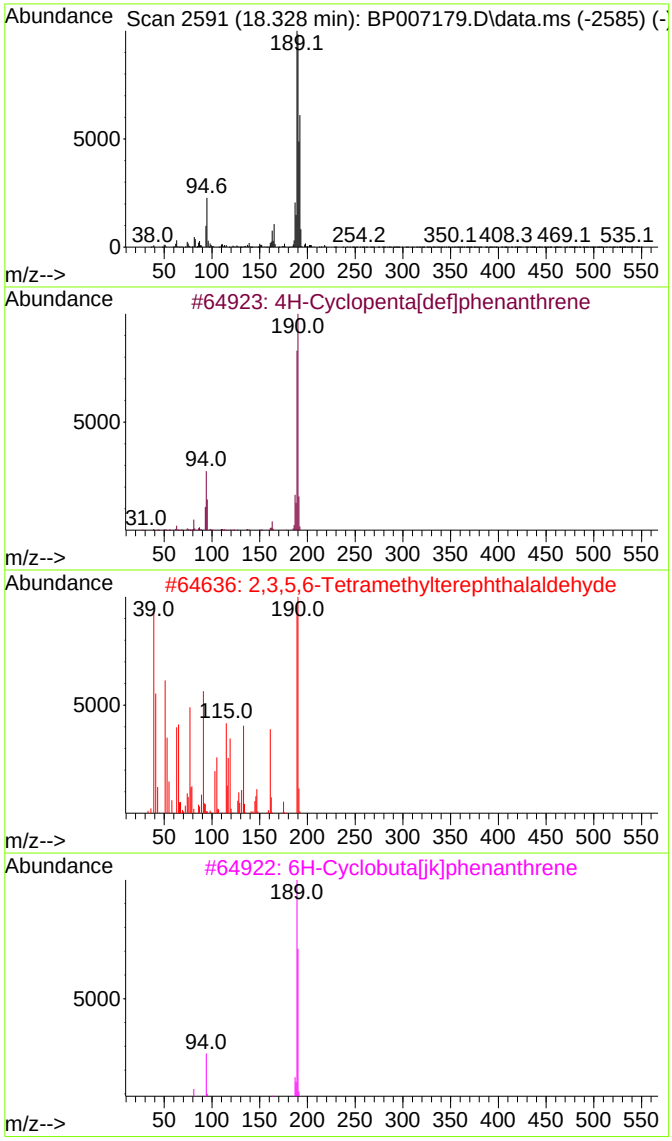
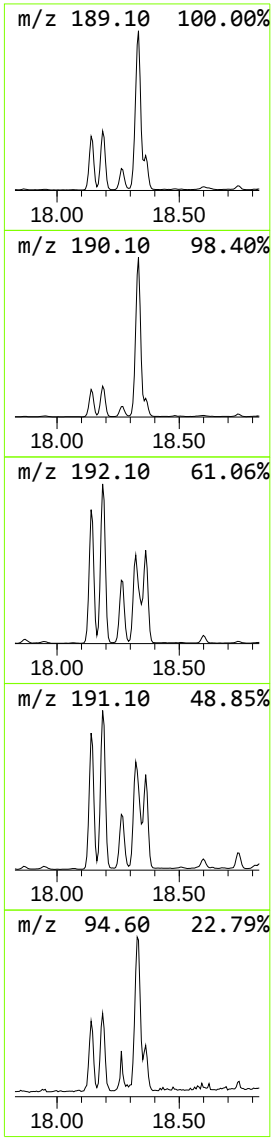
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.328	27.47 ng	4777040	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	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	2-Amino-4,6-dichloropyrimidine-5...	191	C5H3Cl2N3O	005604-46-6	32





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Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3

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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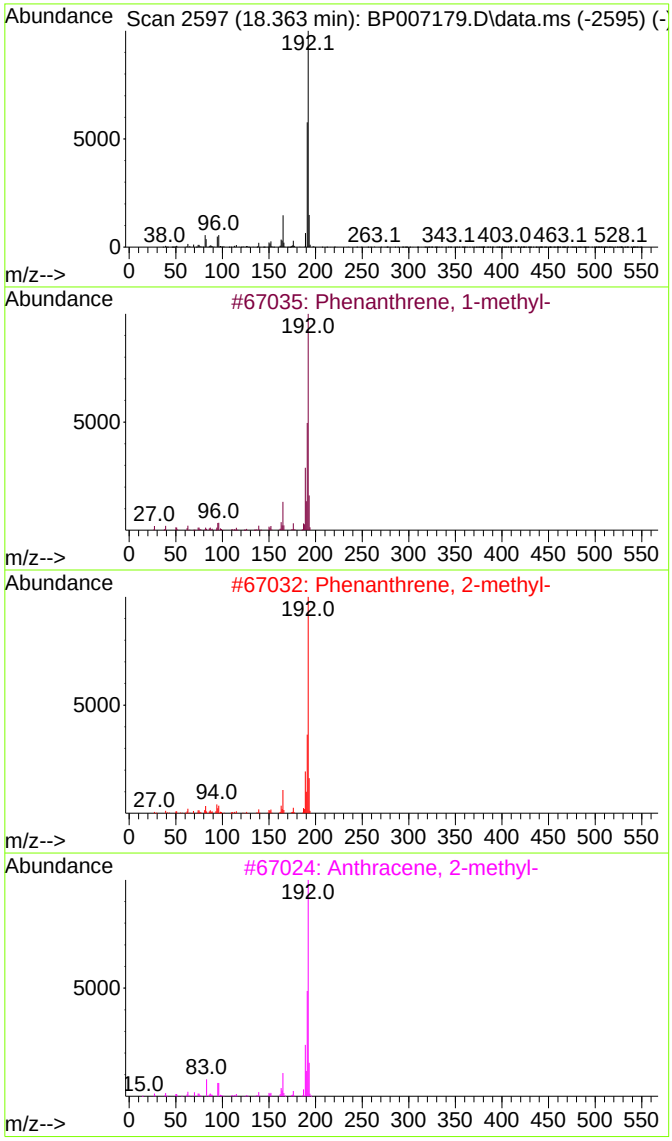
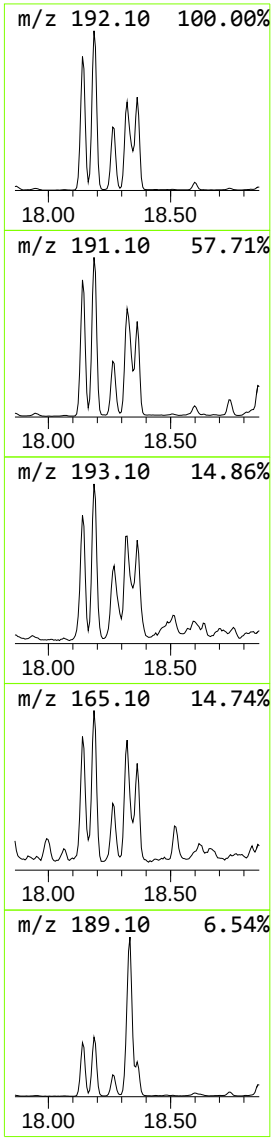
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.363	8.67 ng	1507710	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3

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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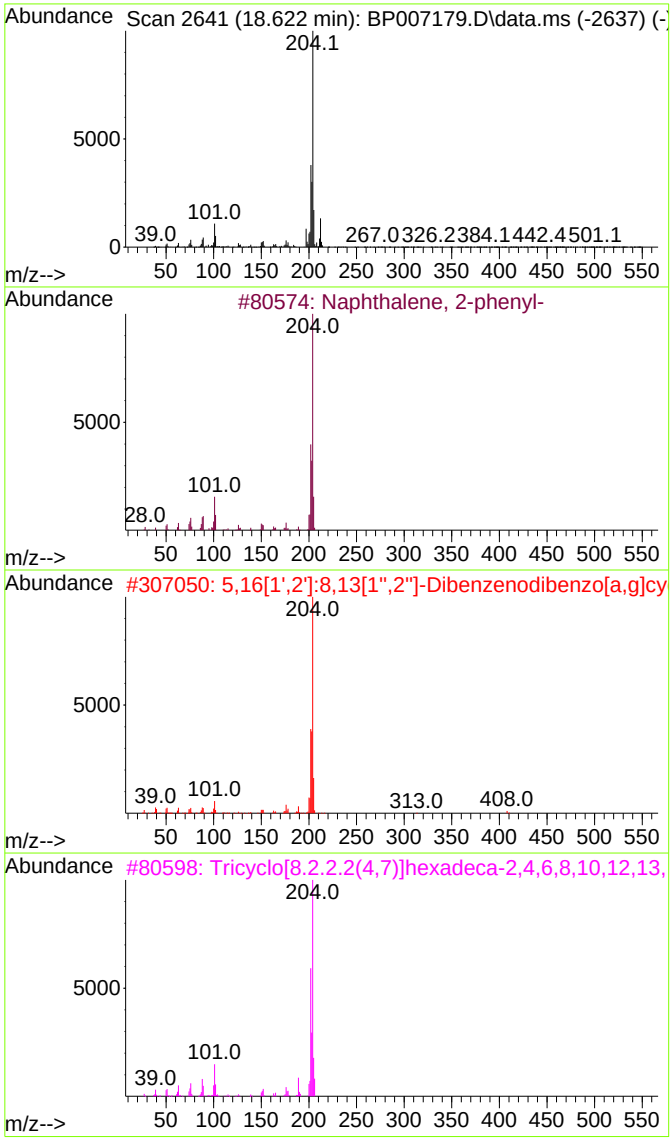
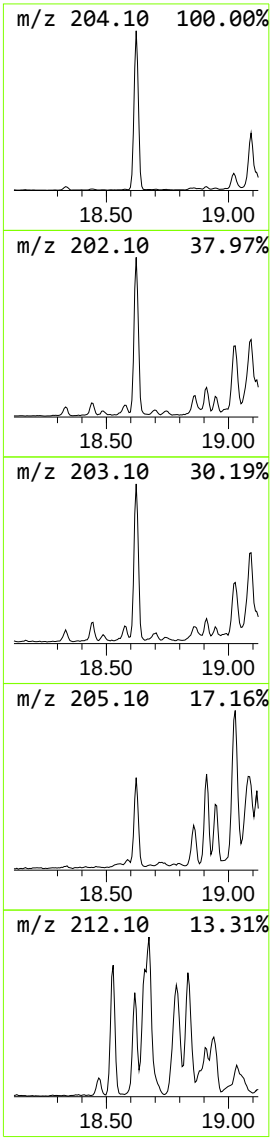
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.622	6.48 ng	1127410	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	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	50





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Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3

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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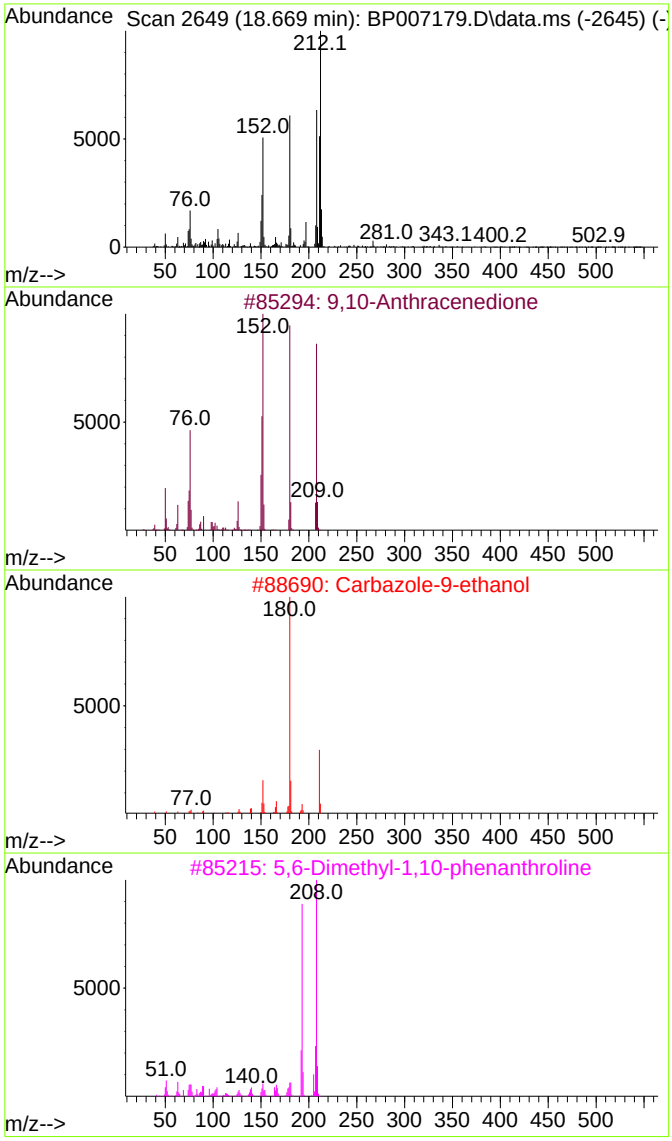
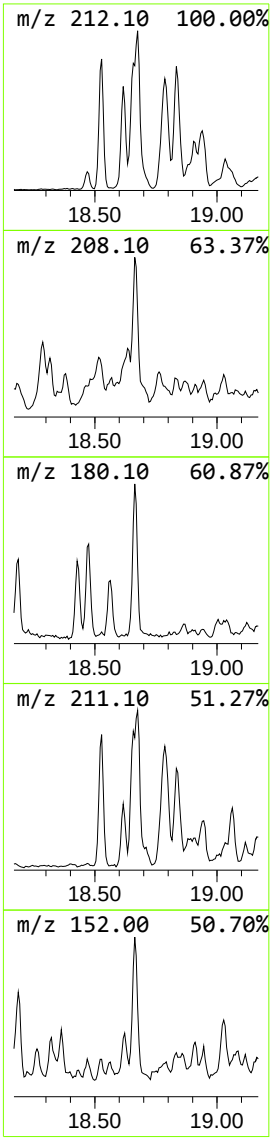
Peak Number 13 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.669	4.47 ng	777807	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Carbazole-9-ethanol	211	C14H13NO	001484-14-6	41
3	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	38
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	25
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	18





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Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3

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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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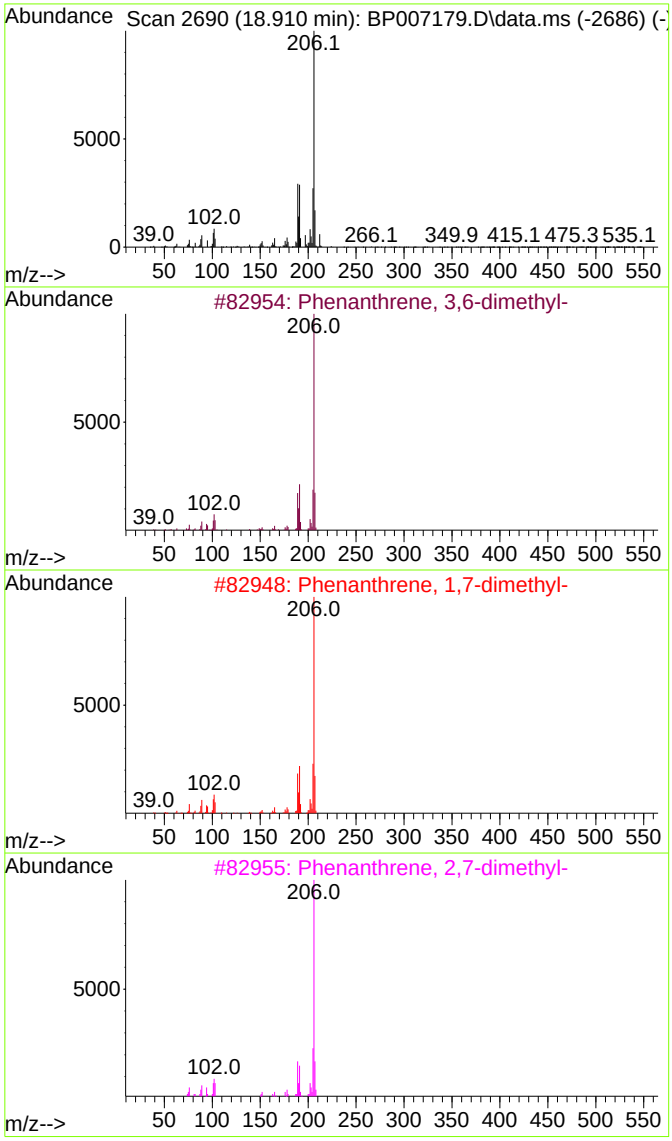
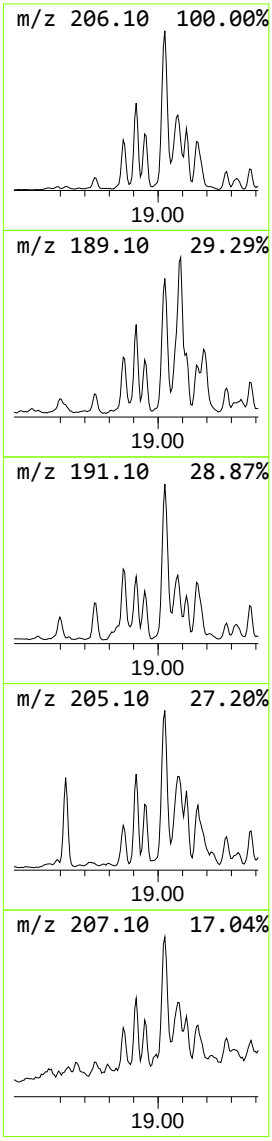
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.910	6.11 ng	1061970	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	81
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	81





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Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3

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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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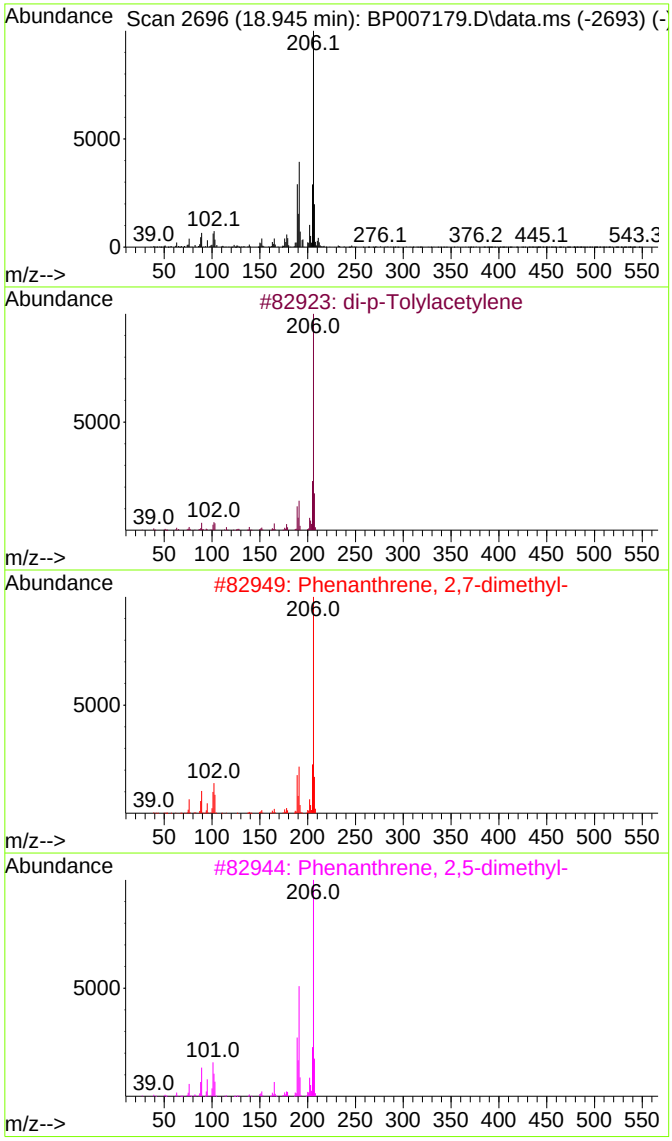
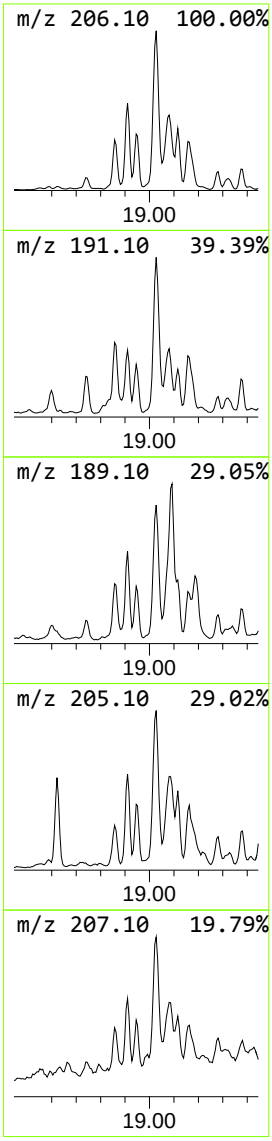
Peak Number 15 di-p-Tolylacetylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.945	4.31 ng	749359	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3

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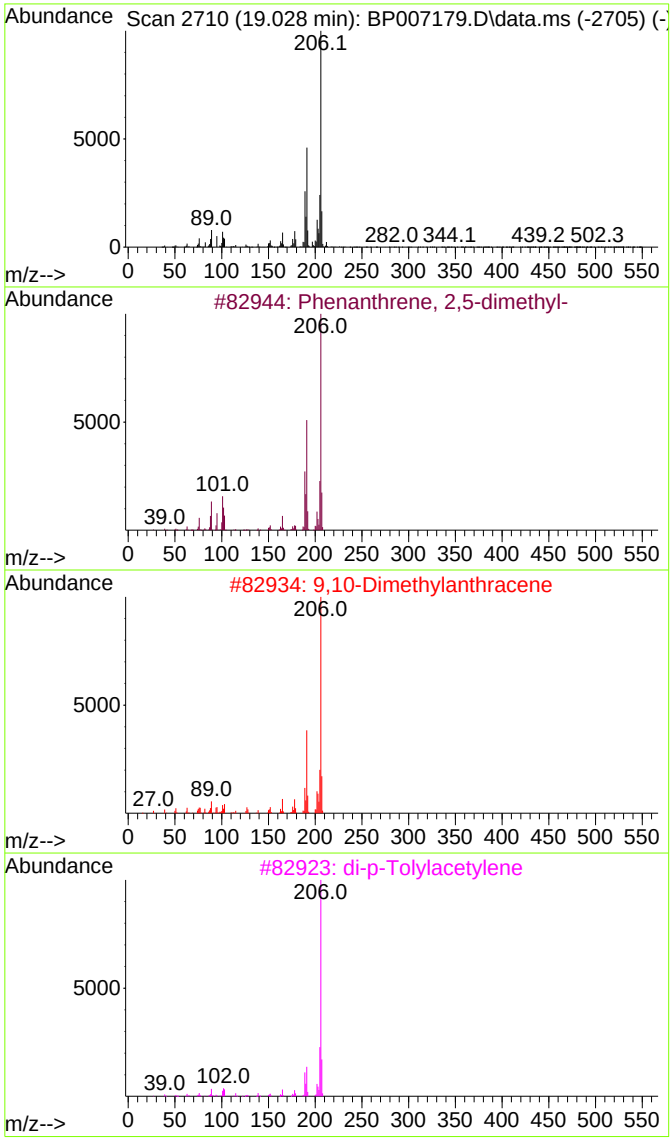
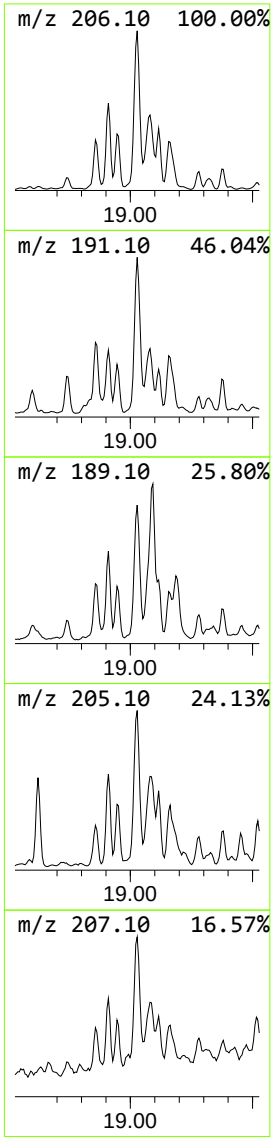
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.028	13.71 ng	2384320	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Acq On : 25 Sep 2021 02:44
Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3

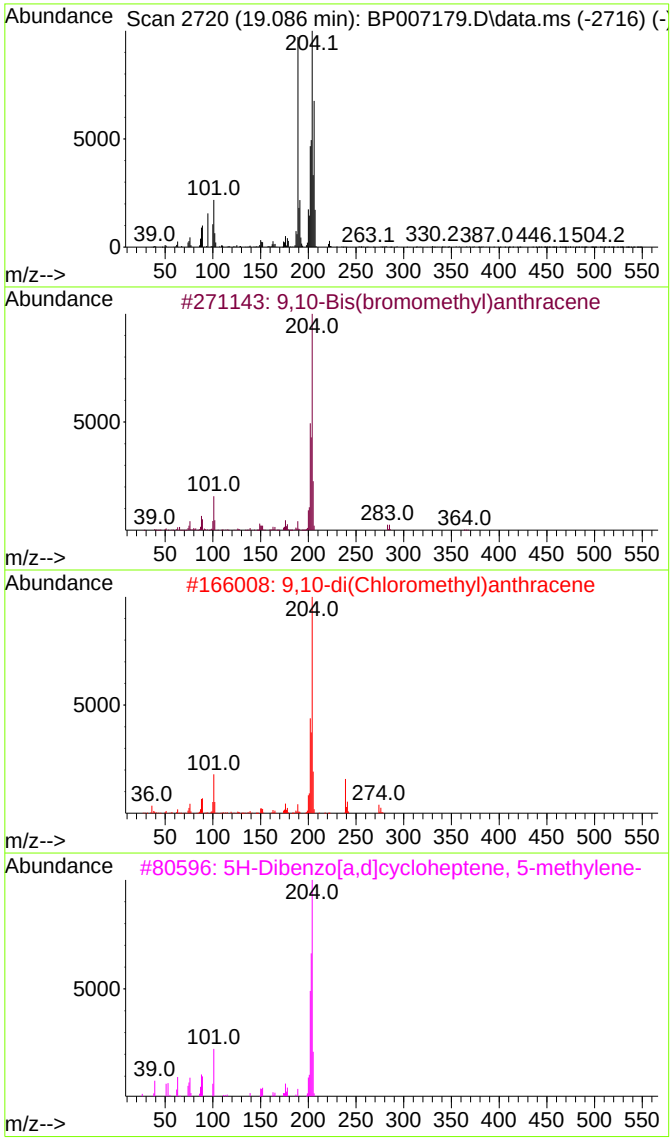
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

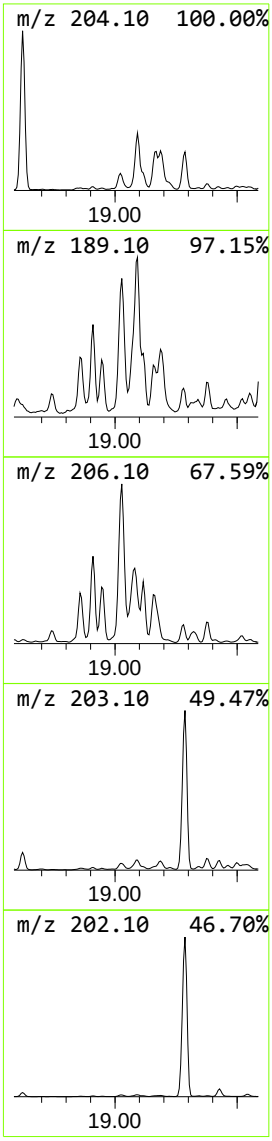
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 9,10-Bis(bromomethyl)anthra... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.086	7.13 ng	1240110	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	49
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	41
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007179.D
Acq On : 25 Sep 2021 02:44
Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3

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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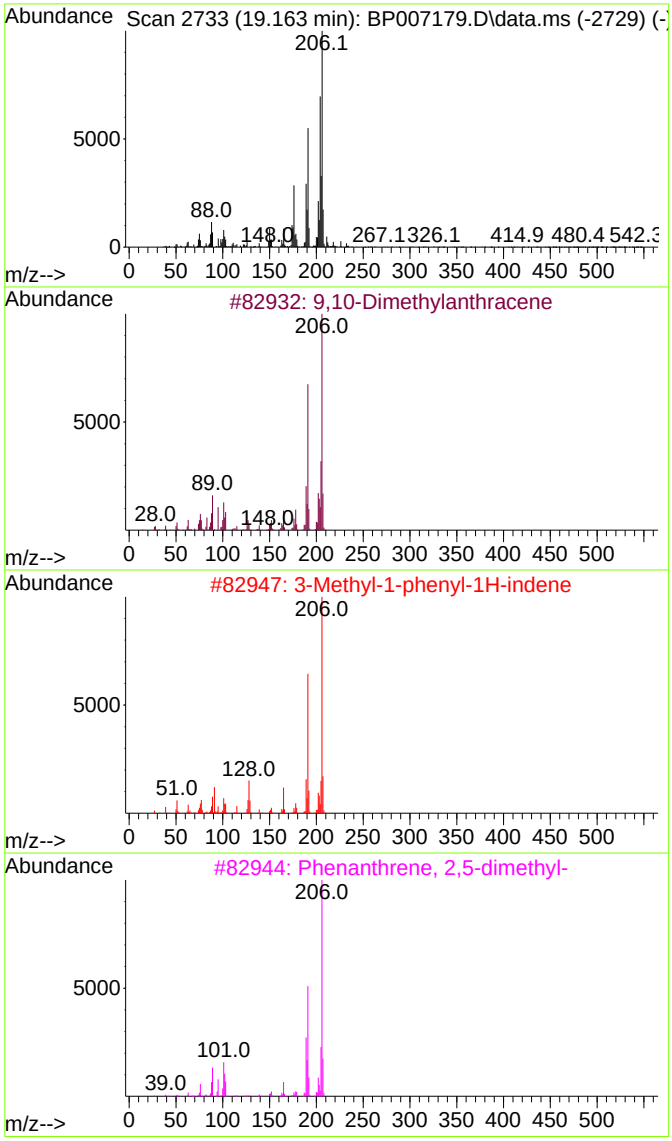
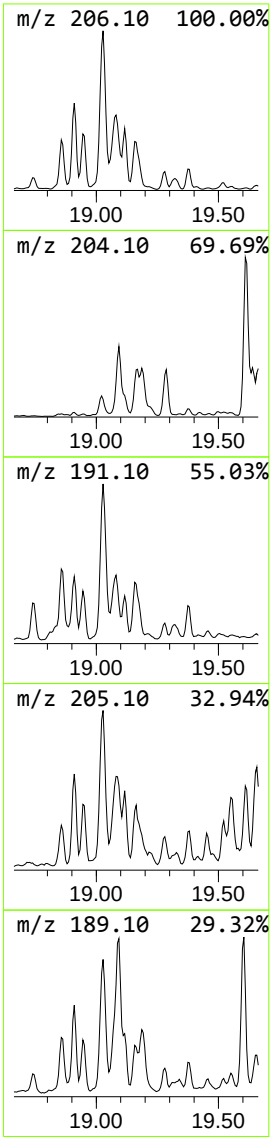
Peak Number 18 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.163	8.03 ng	1396980	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	70
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64





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Data File : BP007179.D
Acq On : 25 Sep 2021 02:44
Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3

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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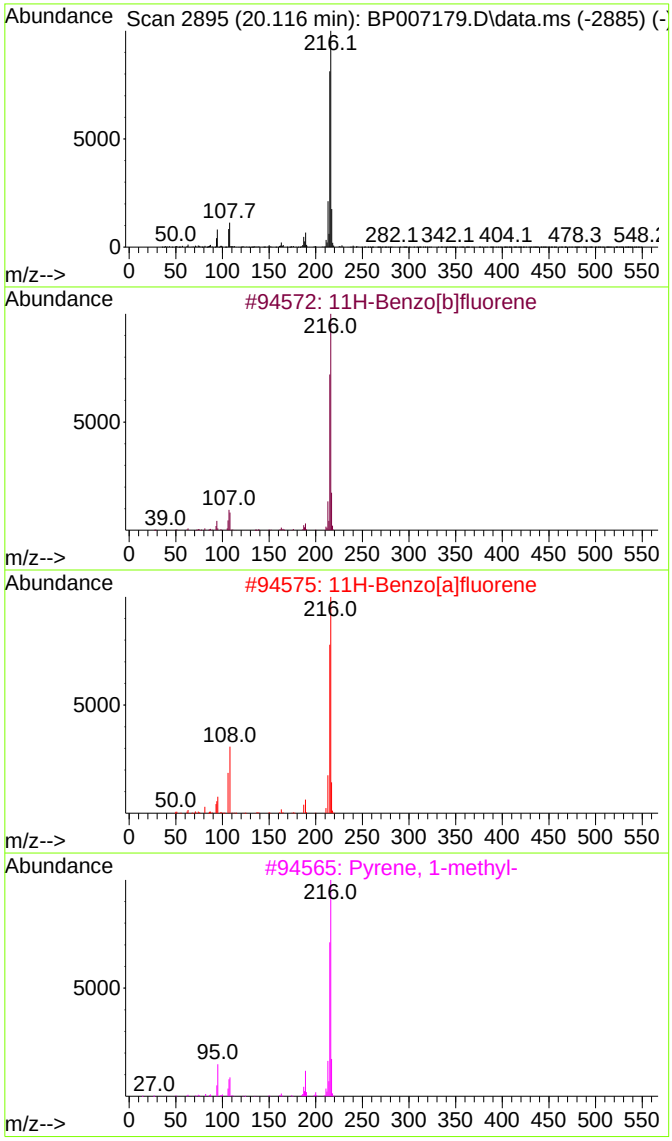
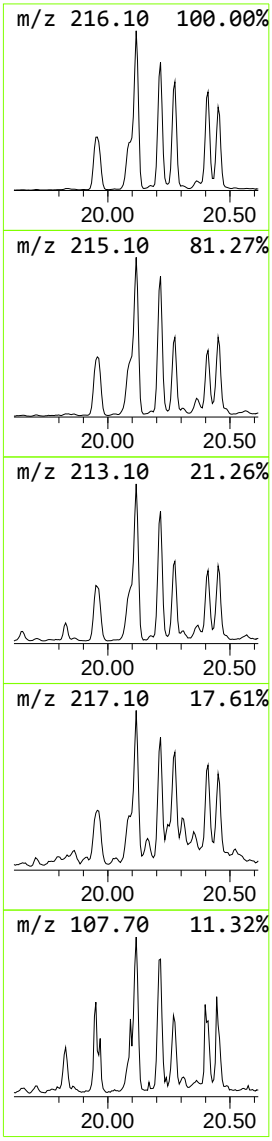
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.116	6.95 ng	4157930	Chrysene-d12	21.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007179.D
Acq On : 25 Sep 2021 02:44
Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3

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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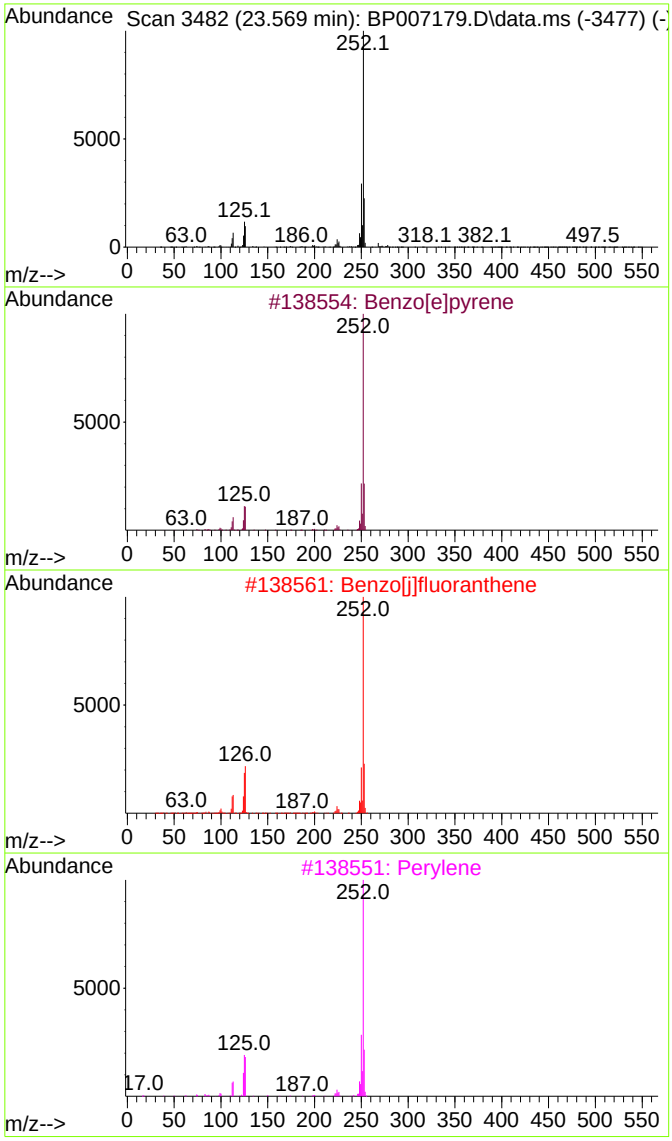
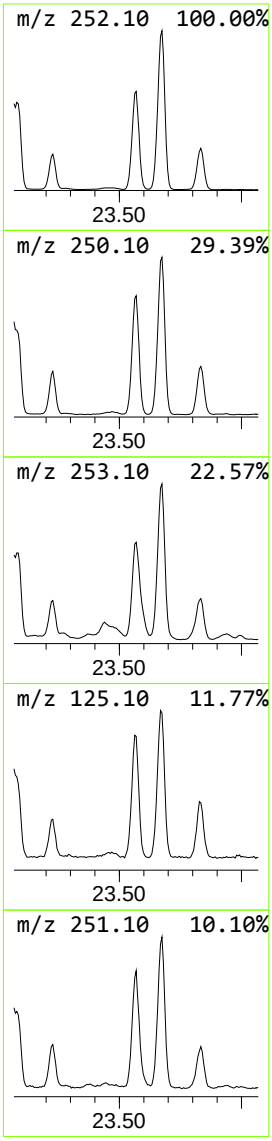
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.569	34.76 ng	4584490	Perylene-d12	23.780

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007179.D
Acq On : 25 Sep 2021 02:44
Operator : CG/JU
Sample : M3917-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3

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	8.5	ng	1364850	3	14.522	3221320	20.0
Naphthalene, 1,...	15.140	4.8	ng	779940	3	14.522	3221320	20.0
9H-Fluoren-9-ol	15.863	5.7	ng	921760	3	14.522	3221320	20.0
9H-Fluorene, 1-...	16.575	5.7	ng	992698	4	17.275	3477490	20.0
Dibenzothiophene	17.087	7.6	ng	1326270	4	17.275	3477490	20.0
4-Methylnaphtho...	17.851	4.7	ng	824951	4	17.275	3477490	20.0
Phenanthrene, 1...	18.139	17.6	ng	3051460	4	17.275	3477490	20.0
Phenanthrene, 2...	18.186	18.8	ng	3266390	4	17.275	3477490	20.0
1H-Cyclopropa[l...	18.263	7.8	ng	1360830	4	17.275	3477490	20.0
4H-Cyclopenta[d...	18.328	27.5	ng	4777040	4	17.275	3477490	20.0
Anthracene, 2-m...	18.363	8.7	ng	1507710	4	17.275	3477490	20.0
Naphthalene, 2-...	18.622	6.5	ng	1127410	4	17.275	3477490	20.0
9,10-Anthracene...	18.669	4.5	ng	777807	4	17.275	3477490	20.0
Phenanthrene, 3...	18.910	6.1	ng	1061970	4	17.275	3477490	20.0
di-p-Tolylacety...	18.945	4.3	ng	749359	4	17.275	3477490	20.0
Phenanthrene, 2...	19.028	13.7	ng	2384320	4	17.275	3477490	20.0
9,10-Bis(bromom...	19.086	7.1	ng	1240110	4	17.275	3477490	20.0
9,10-Dimethylan...	19.163	8.0	ng	1396980	4	17.275	3477490	20.0
11H-Benzo[b]flu...	20.116	7.0	ng	4157930	5	21.363	11971600	20.0
Benzo[e]pyrene	23.569	34.8	ng	4584490	6	23.780	2637970	20.0