LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007171.D
Acq On : 24 Sep 2021 22:13
Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-6

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: BP007171.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.463	397	404	413	rBV	3056389	4432059	21.95%	1.772%
2	7.057	667	675	693	rBV	2844673	4689941	23.23%	1.875%
3	7.887	808	816	824	rBV	939465	1451744	7.19%	0.580%
4	8.428	902	908	921	rBV	104681	230014	1.14%	0.092%
5	9.051	1007	1014	1023	rBV	1735924	2935601	14.54%	1.173%
6	10.687	1281	1292	1297	rBV	1244524	2086150	10.33%	0.834%
7	10.739	1297	1301	1313	rVB	176374	301347	1.49%	0.120%
8	12.345	1568	1574	1583	rVB	154610	253058	1.25%	0.101%
9	12.563	1605	1611	1620	rVB	161432	265169	1.31%	0.106%
10	13.145	1703	1710	1721	rBV	4953995	7325124	36.28%	2.928%
11	13.686	1796	1802	1810	rBV3	116618	299422	1.48%	0.120%
12	13.845	1822	1829	1833	rBV	261175	460203	2.28%	0.184%
13	13.975	1847	1851	1855	rVB	215240	286966	1.42%	0.115%
14	14.075	1860	1868	1872	rBV	138080	239409	1.19%	0.096%
15	14.239	1889	1896	1910	rBV	1201171	2088028	10.34%	0.835%
16	14.516	1934	1943	1949	rBV	1849402	2879696	14.26%	1.151%
17	14.580	1949	1954	1962	rVB	498450	794082	3.93%	0.317%
18	14.733	1973	1980	1988	rBV4	90619	238042	1.18%	0.095%
19	14.916	2004	2011	2018	rVB	443930	733524	3.63%	0.293%
20	14.992	2019	2024	2029	rVB	246379	340070	1.68%	0.136%
21	15.133	2040	2048	2053	rBV3	242078	573778	2.84%	0.229%
22	15.186	2053	2057	2061	rVB	153718	226660	1.12%	0.091%
23	15.386	2086	2091	2098	rVB2	199782	350550	1.74%	0.140%
24	15.563	2116	2121	2134	rVB	848934	1542526	7.64%	0.617%
25	15.692	2134	2143	2146	rBV3	154335	331671	1.64%	0.133%
26	15.775	2153	2157	2162	rBV3	166016	283929	1.41%	0.113%
27	15.863	2166	2172	2182	rBV3	189574	428716	2.12%	0.171%
28	16.010	2188	2197	2205	rVV	4066105	6275560	31.08%	2.509%
29	16.080	2205	2209	2221	rVB4	82275	225422	1.12%	0.090%
30	16.239	2231	2236	2250	rVB3	330361	621885	3.08%	0.249%
31	16.569	2285	2292	2297	rBV2	314741	646646	3.20%	0.258%
32	16.622	2297	2301	2307	rVB2	231421	348657	1.73%	0.139%
33	16.722	2314	2318	2324	rVB2	200188	291334	1.44%	0.116%
34	16.845	2336	2339	2348	rVB2	192388	286839	1.42%	0.115%
35	16.922	2348	2352	2359	rVB3	210846	362530	1.80%	0.145%
36	17.086	2375	2380	2389	rVB	603101	998006	4.94%	0.399%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
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Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-6

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	17.269	2405	2411	2414	rBV	2168842	3170578	15.70%	1.267%
38	17.316	2414	2419	2425	rVV	7206109	10705668	53.03%	4.280%
39	17.404	2426	2434	2439	rVB	2614624	3600671	17.83%	1.439%
40	17.463	2439	2444	2450	rBV2	299051	559868	2.77%	0.224%
41	17.674	2470	2480	2486	rBV	662368	1180971	5.85%	0.472%
42	17.792	2497	2500	2503	rVB	216441	252097	1.25%	0.101%
43	17.851	2506	2510	2518	rVB2	398877	591033	2.93%	0.236%
44	17.992	2529	2534	2541	rVB	265390	482048	2.39%	0.193%
45	18.139	2554	2559	2563	rBV	1525018	2507765	12.42%	1.002%
46	18.186	2563	2567	2573	rVB	2074904	2855266	14.14%	1.141%
47	18.263	2575	2580	2585	rBV	829509	1188439	5.89%	0.475%
48	18.327	2585	2591	2595	rVV2	2651102	4751017	23.53%	1.899%
49	18.363	2595	2597	2604	rVB	1164936	1223621	6.06%	0.489%
50	18.516	2620	2623	2627	rVB3	226144	295960	1.47%	0.118%
51	18.621	2636	2641	2644	rBV	943504	1199297	5.94%	0.479%
52	18.663	2644	2648	2658	rVB2	526373	917488	4.54%	0.367%
53	18.833	2673	2677	2678	rBV2	178991	215770	1.07%	0.086%
54	18.857	2678	2681	2685	rVV	457444	581444	2.88%	0.232%
55	18.904	2686	2689	2693	rVV	614660	768774	3.81%	0.307%
56	18.945	2693	2696	2700	rVB	493322	609904	3.02%	0.244%
57	19.021	2704	2709	2714	rBV	1392005	2284218	11.31%	0.913%
58	19.086	2715	2720	2723	rVV2	736000	1397533	6.92%	0.559%
59	19.116	2723	2725	2728	rVB	452964	451722	2.24%	0.181%
60	19.163	2728	2733	2740	rBV2	747356	1537890	7.62%	0.615%
61	19.286	2748	2754	2759	rBV	12934185	17631037	87.33%	7.048%
62	19.339	2759	2763	2766	rVV2	331379	430522	2.13%	0.172%
63	19.374	2766	2769	2774	rVV3	402928	604441	2.99%	0.242%
64	19.427	2774	2778	2781	rVB	580032	736402	3.65%	0.294%
65	19.515	2789	2793	2796	rBV	570848	766559	3.80%	0.306%
66	19.639	2803	2814	2821	rBV	11858561	20188908	100.00%	8.070%
67	19.704	2821	2825	2831	rVB2	825808	1274895	6.31%	0.510%
68	19.827	2838	2846	2850	rBV	8139696	10019655	49.63%	4.005%
69	19.863	2850	2852	2858	rVB2	625727	877630	4.35%	0.351%
70	19.945	2861	2866	2873	rBV3	984149	2439754	12.08%	0.975%
71	20.080	2884	2889	2891	rBV4	806054	1367098	6.77%	0.546%
72	20.115	2891	2895	2900	rVB	2372461	3389377	16.79%	1.355%
73	20.210	2907	2911	2915	rBV	1856633	2312522	11.45%	0.924%
74	20.268	2916	2921	2925	rVV3	1593064	2344788	11.61%	0.937%
75	20.304	2925	2927	2931	rVB2	368077	428594	2.12%	0.171%
76	20.404	2940	2944	2948	rBV	1191249	1528882	7.57%	0.611%

LSC Area Percent Report

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Acq On : 24 Sep 2021 22:13
Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-6

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	20.451	2948	2952	2955	rVB	1256221	1477738	7.32%	0.591%
78	20.804	3009	3012	3015	rBV2	348815	541368	2.68%	0.216%
79	20.845	3016	3019	3025	rVB	828080	1270309	6.29%	0.508%
80	20.933	3031	3034	3038	rVB	347685	389441	1.93%	0.156%
81	21.010	3040	3047	3050	rBV2	1220328	2123183	10.52%	0.849%
82	21.045	3050	3053	3057	rVV	1102592	1649073	8.17%	0.659%
83	21.086	3057	3060	3064	rVB2	1086571	1499929	7.43%	0.600%
84	21.345	3099	3104	3109	rBV2	7921698	13984601	69.27%	5.590%
85	21.398	3109	3113	3122	rVB	6058579	8894528	44.06%	3.556%
86	21.515	3129	3133	3139	rBV	1347532	2105405	10.43%	0.842%
87	21.680	3157	3161	3166	rBV2	774553	1153933	5.72%	0.461%
88	21.933	3197	3204	3208	rBV	1343837	2458997	12.18%	0.983%
89	21.986	3210	3213	3219	rVB	823255	1115238	5.52%	0.446%
90	22.098	3229	3232	3235	rVB2	452029	572252	2.83%	0.229%
91	22.145	3236	3240	3242	rBV2	698898	975703	4.83%	0.390%
92	22.245	3254	3257	3267	rVB2	591772	1047992	5.19%	0.419%
93	23.039	3385	3392	3397	rBV	4942287	12349142	61.17%	4.936%
94	23.221	3419	3423	3430	rVB	1138882	1914118	9.48%	0.765%
95	23.562	3475	3481	3490	rVB	3144364	6698779	33.18%	2.678%
96	23.668	3492	3499	3507	rVV	5103948	10323356	51.13%	4.127%
97	23.774	3511	3517	3522	rVV2	1753989	4155376	20.58%	1.661%
98	23.827	3522	3526	3535	rVB2	1615598	3345181	16.57%	1.337%
99	26.303	3938	3947	3959	rVB2	2464157	7998023	39.62%	3.197%
100	27.086	4072	4080	4092	rVB2	1990174	6323424	31.32%	2.528%

Sum of corrected areas: 250161553

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007171.D
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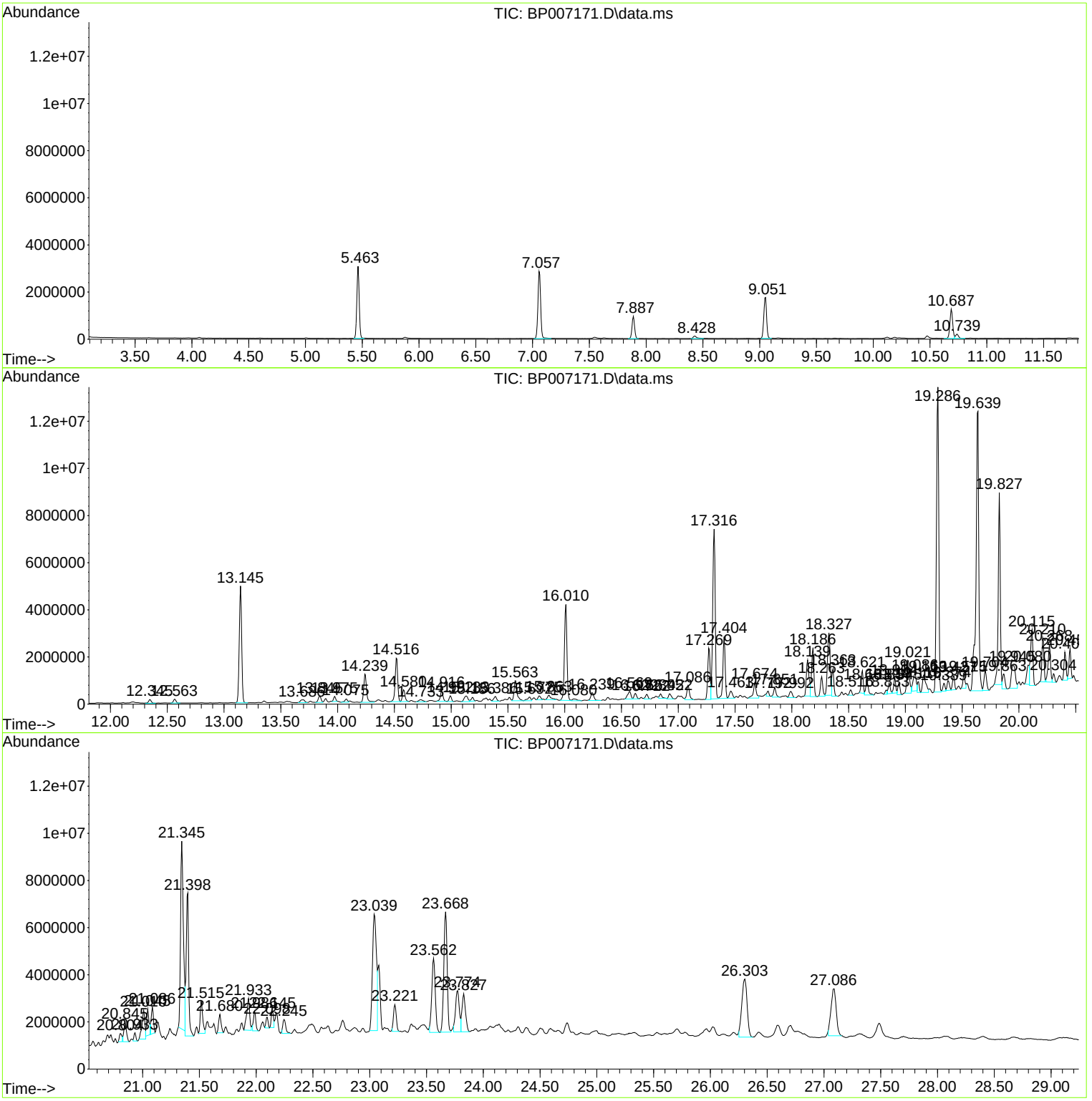
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-6

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 : BP007171.D
Acq On : 24 Sep 2021 22:13
Operator : CG/JU
Sample : M3917-04
Misc :
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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

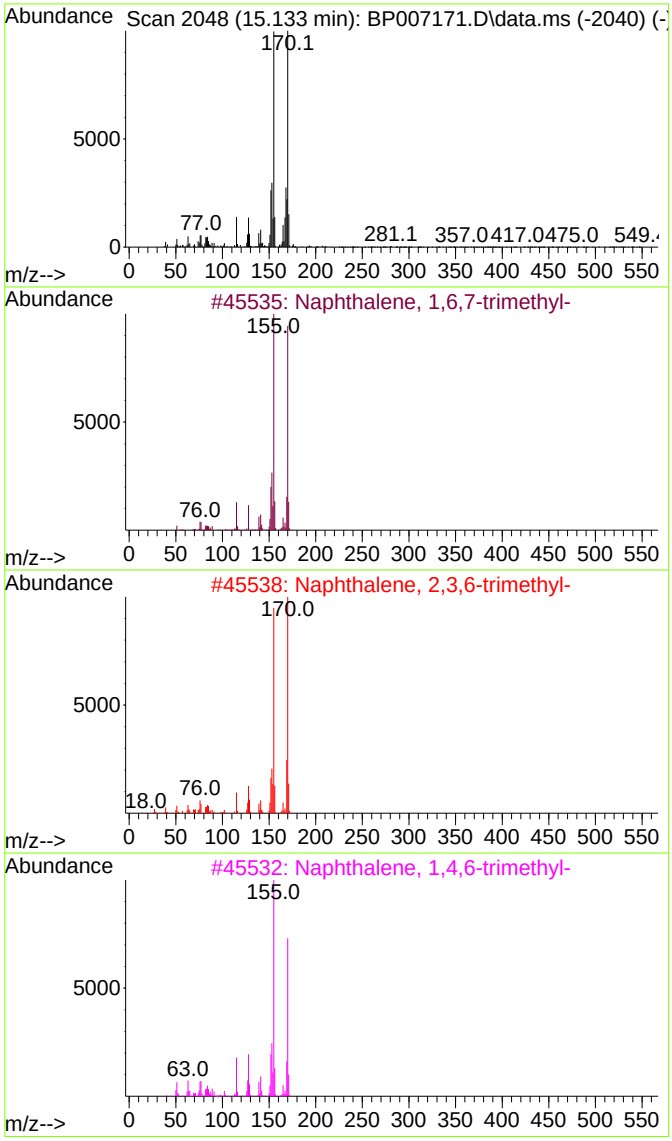
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

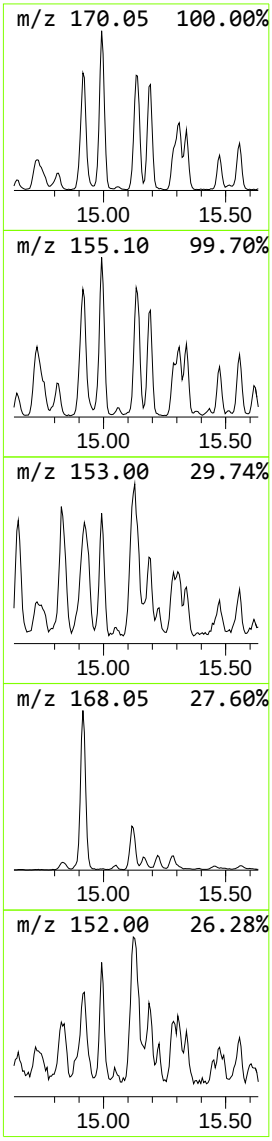
****

Peak Number 1 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.133	3.98 ng	573778	Acenaphthene-d10	14.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007171.D
Acq On : 24 Sep 2021 22:13
Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-6

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

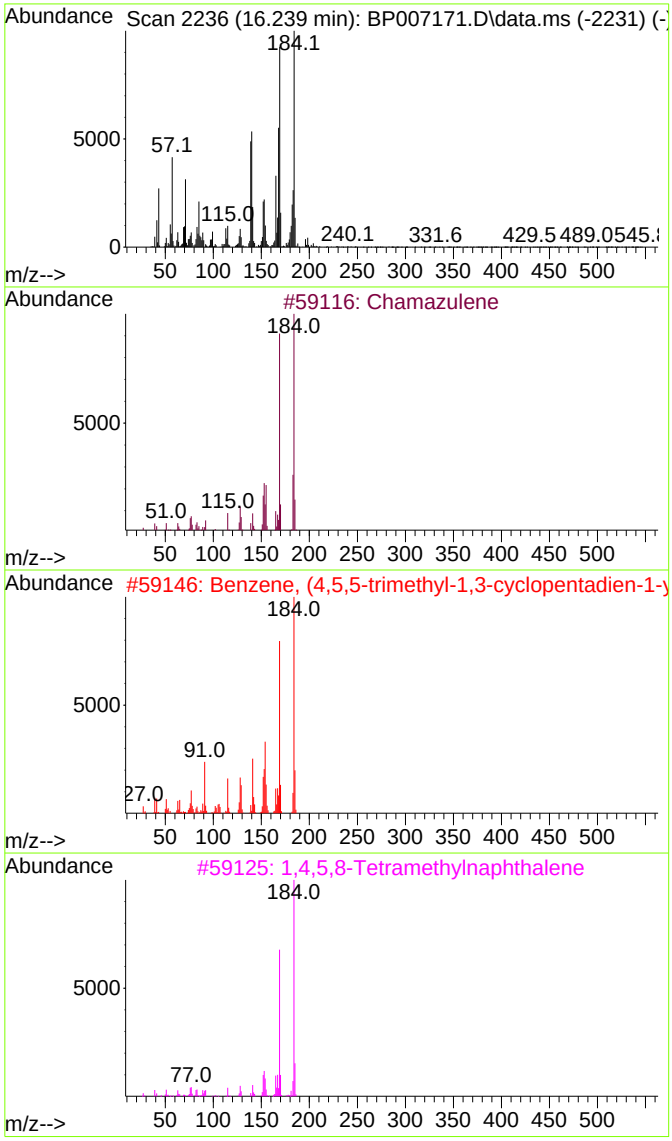
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

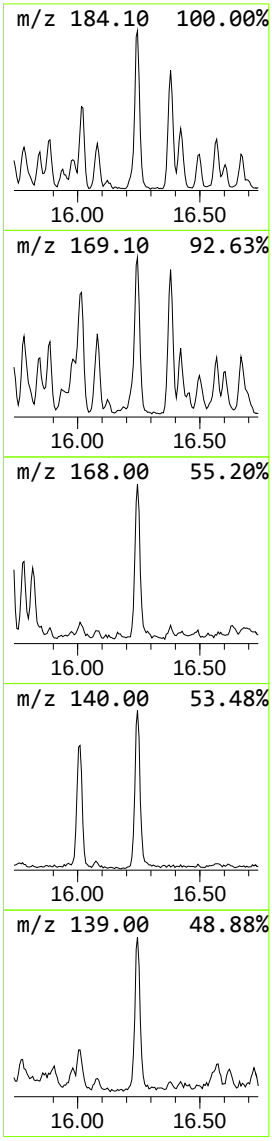
****

Peak Number 2 Chamazulene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.239	3.92 ng	621885	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	60
2	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	55
3	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	55
4	2-Chloro-N1,N1-dimethylbenzene-1...	184	C9H13ClN2	1341569-04-7	49
5	2-Isopropyl-3-methylnaphthalene	184	C14H16	1000383-71-2	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007171.D
Acq On : 24 Sep 2021 22:13
Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-6

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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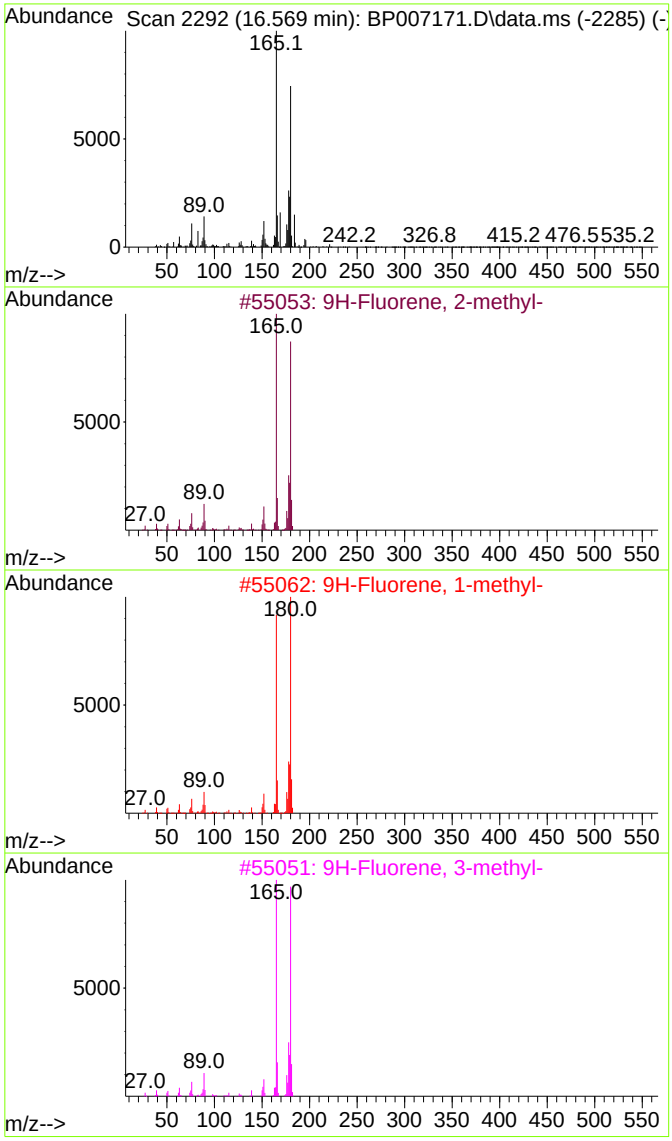
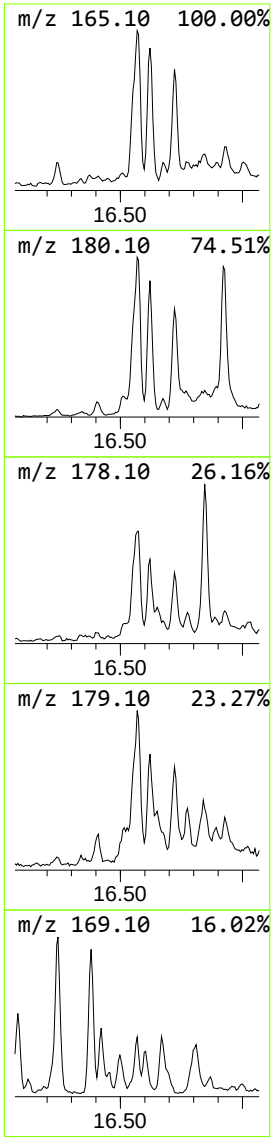
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.569	4.08 ng	646646	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007171.D
Acq On : 24 Sep 2021 22:13
Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-6

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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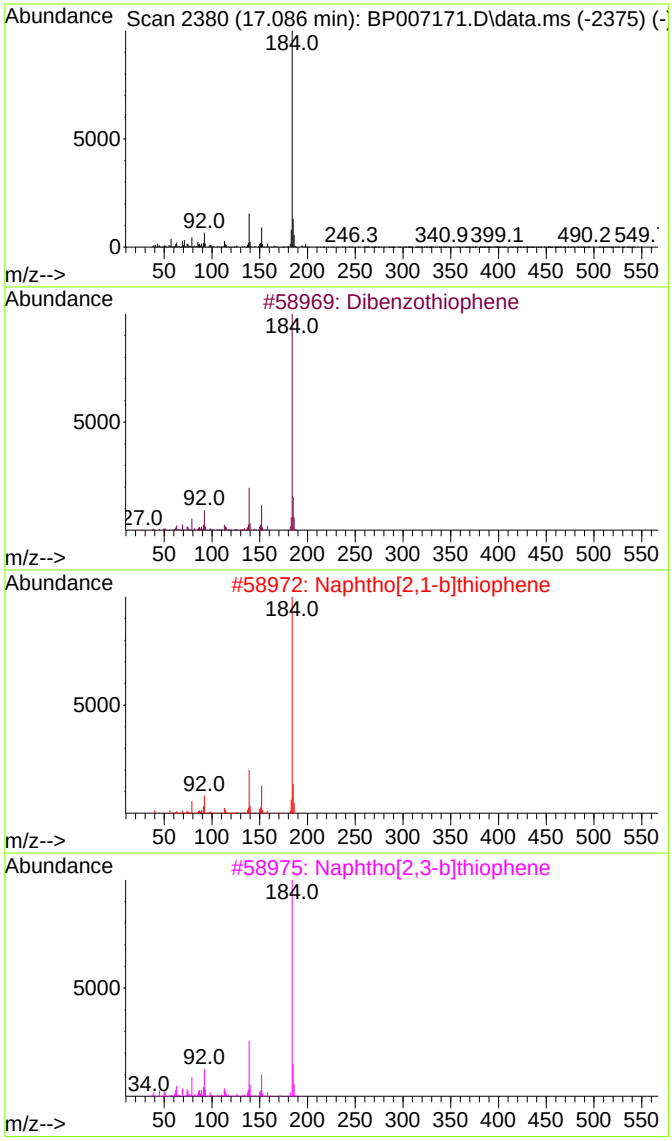
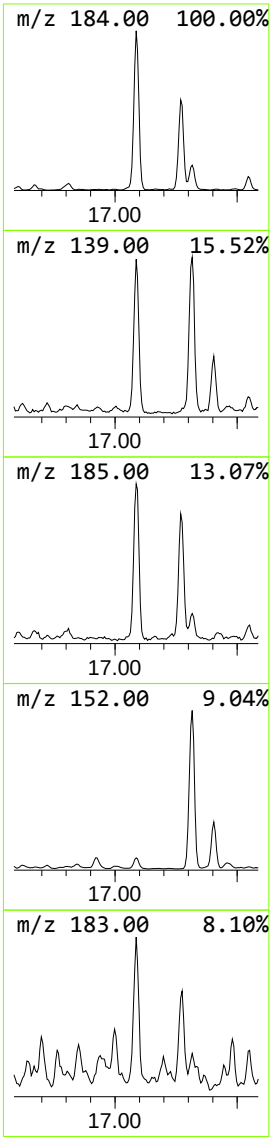
Peak Number 4 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.086	6.30 ng	998006	Phenanthrene-d10	17.269

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	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007171.D
Acq On : 24 Sep 2021 22:13
Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-6

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

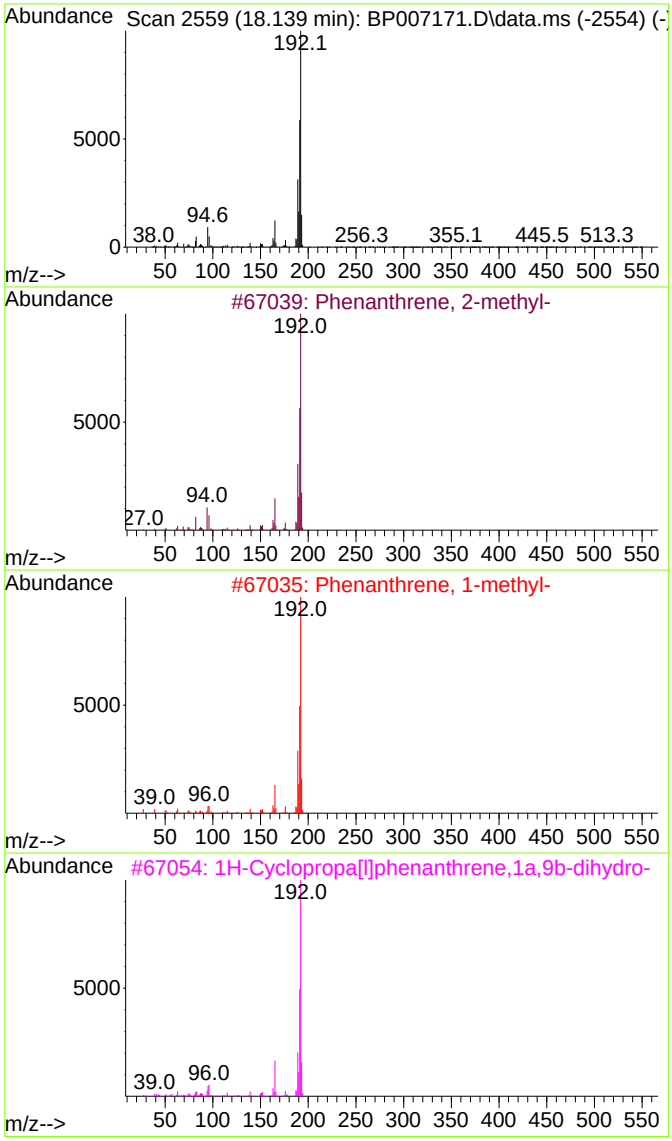
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

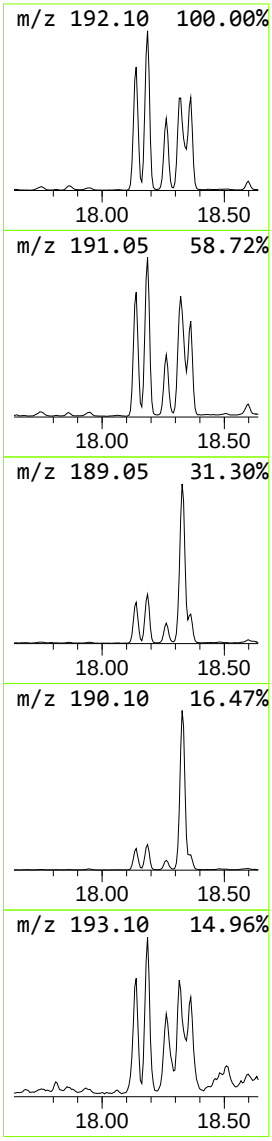
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.139	15.82 ng	2507770	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Acq On : 24 Sep 2021 22:13
Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-6

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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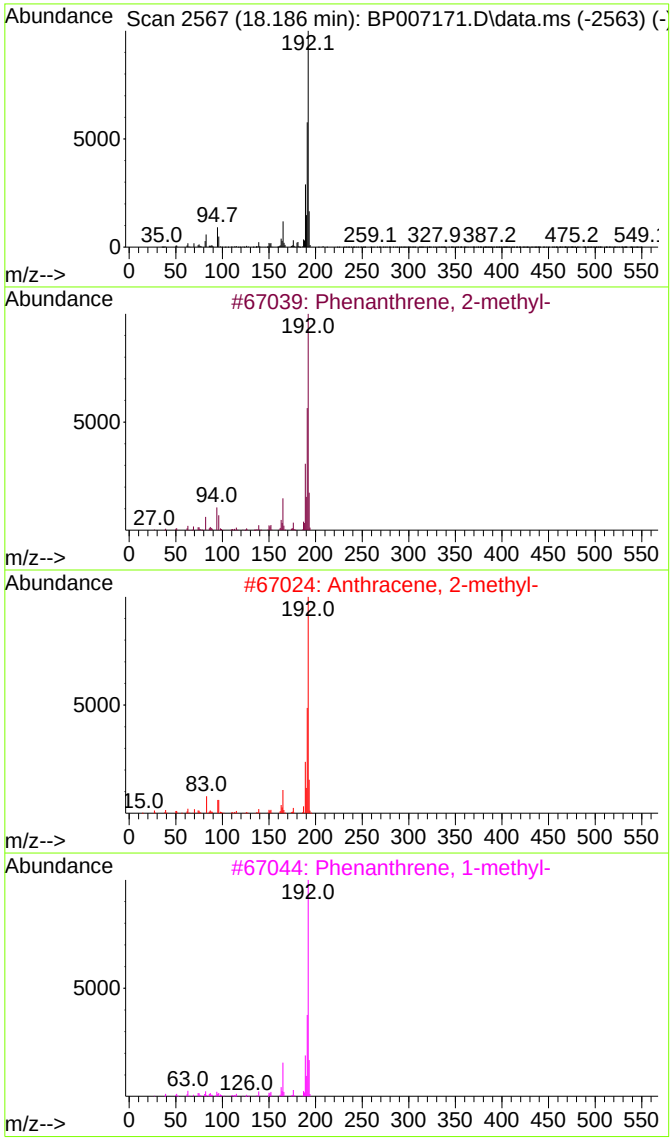
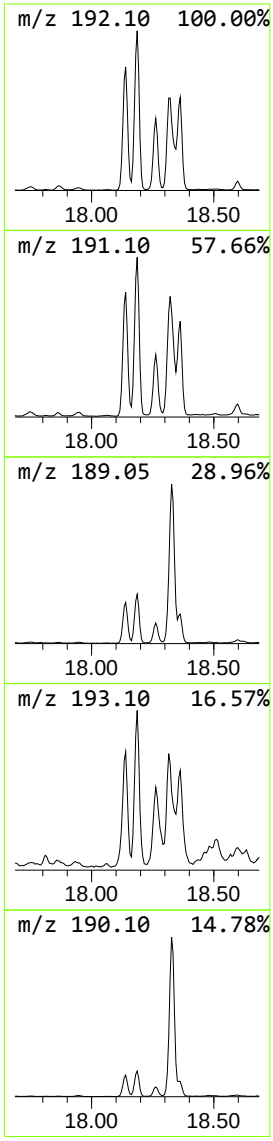
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.186	18.01 ng	2855270	Phenanthrene-d10	17.269

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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 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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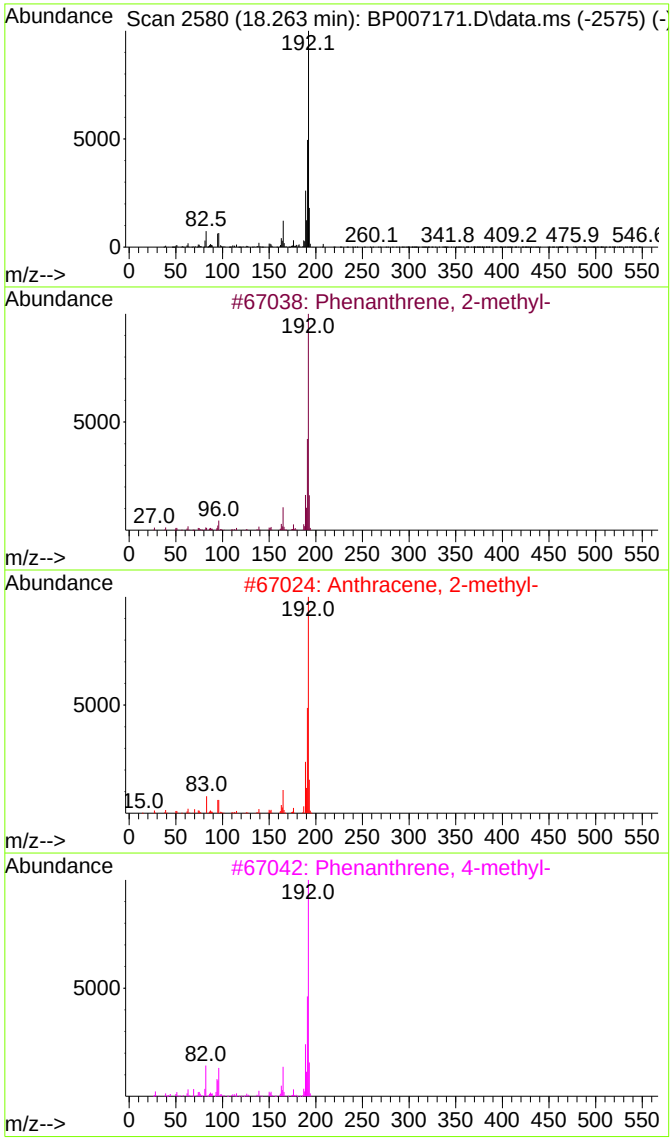
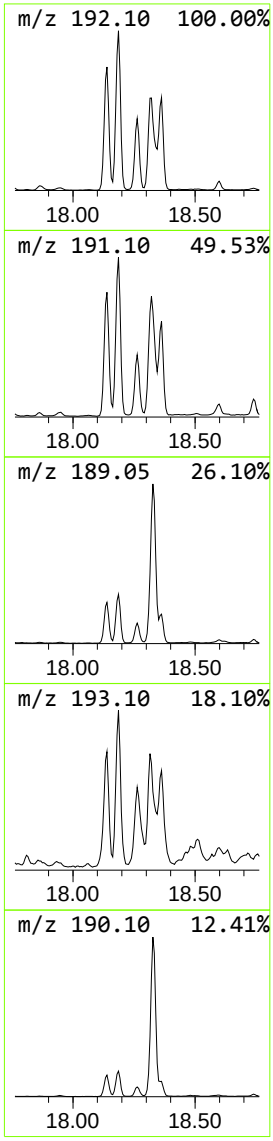
Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.263	7.50 ng	1188440	Phenanthrene-d10	17.269

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	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





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Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-6

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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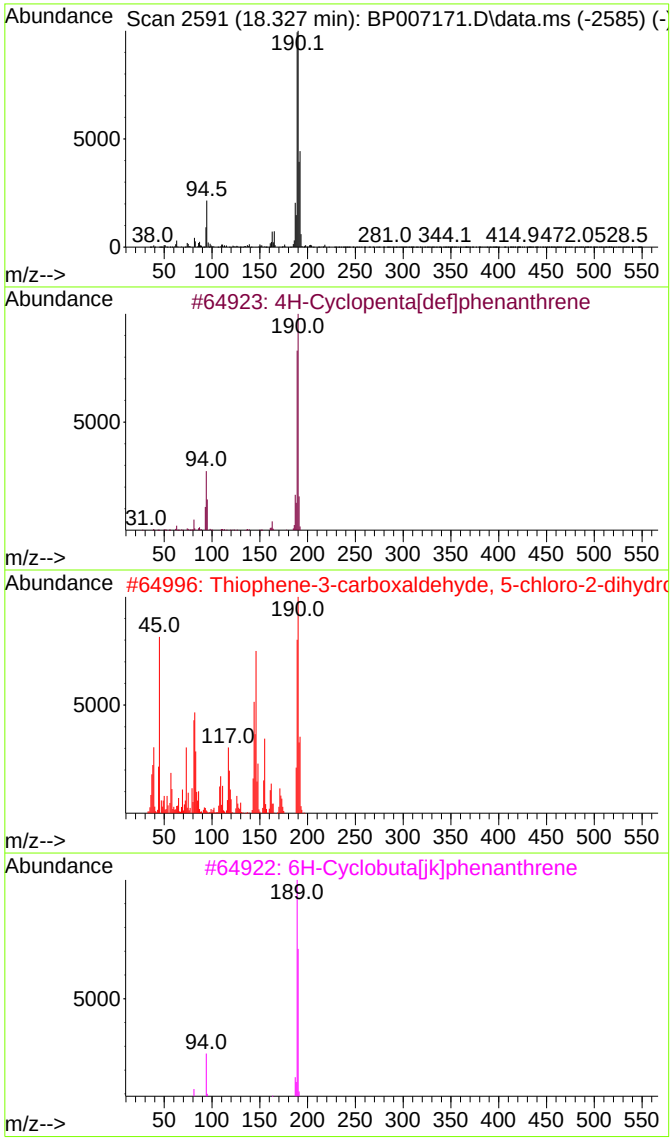
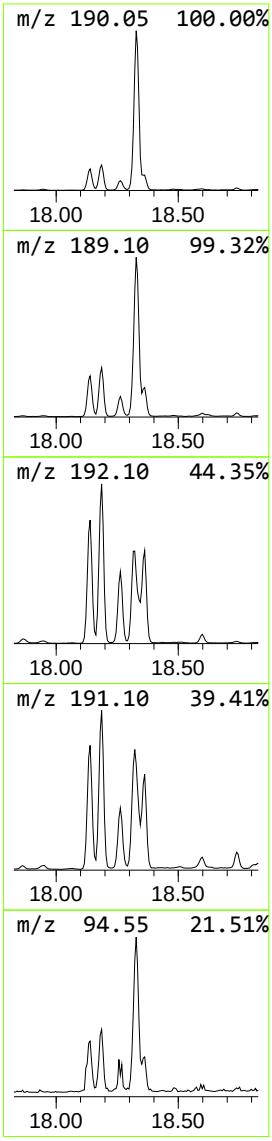
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.327	29.97 ng	4751020	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





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Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-6

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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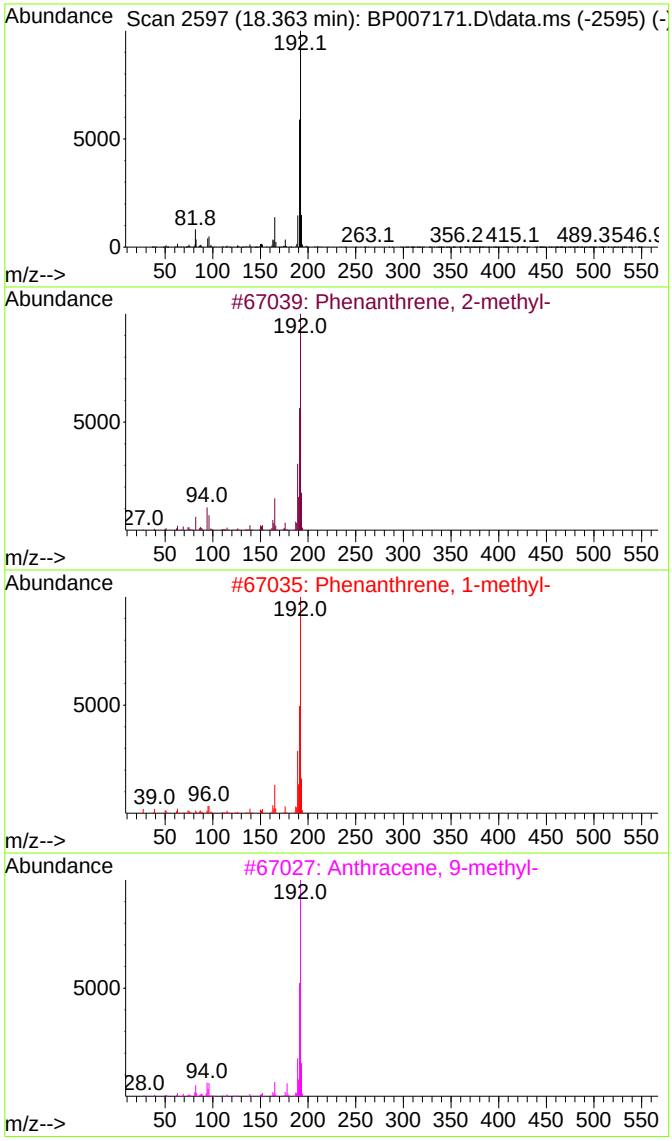
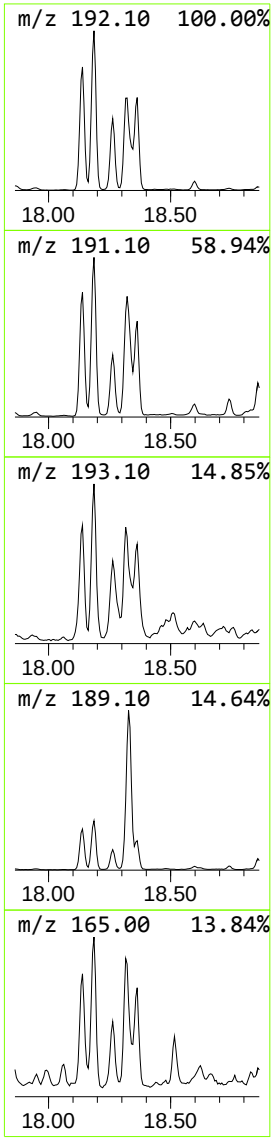
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.363	7.72 ng	1223620	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90





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Sample : M3917-04
Misc :
ALS Vial : 12 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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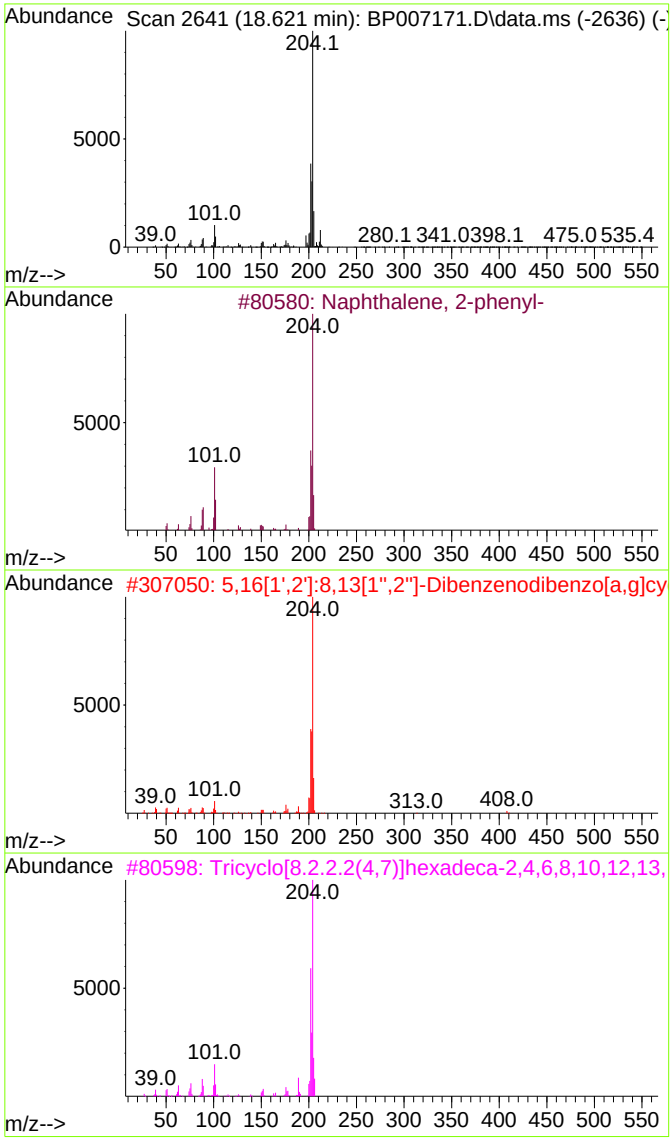
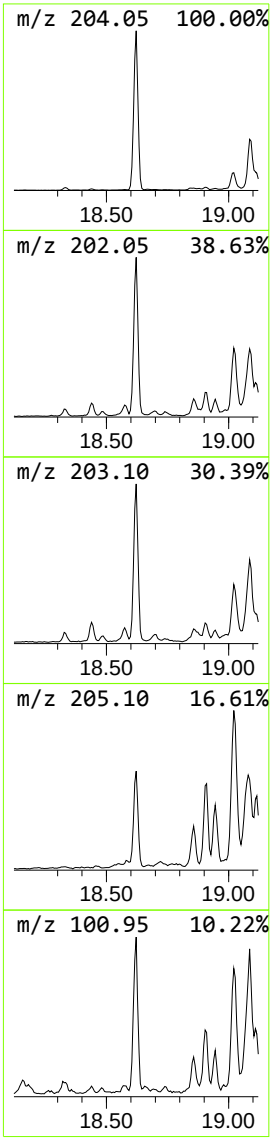
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.621	7.57 ng	1199300	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	47





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Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 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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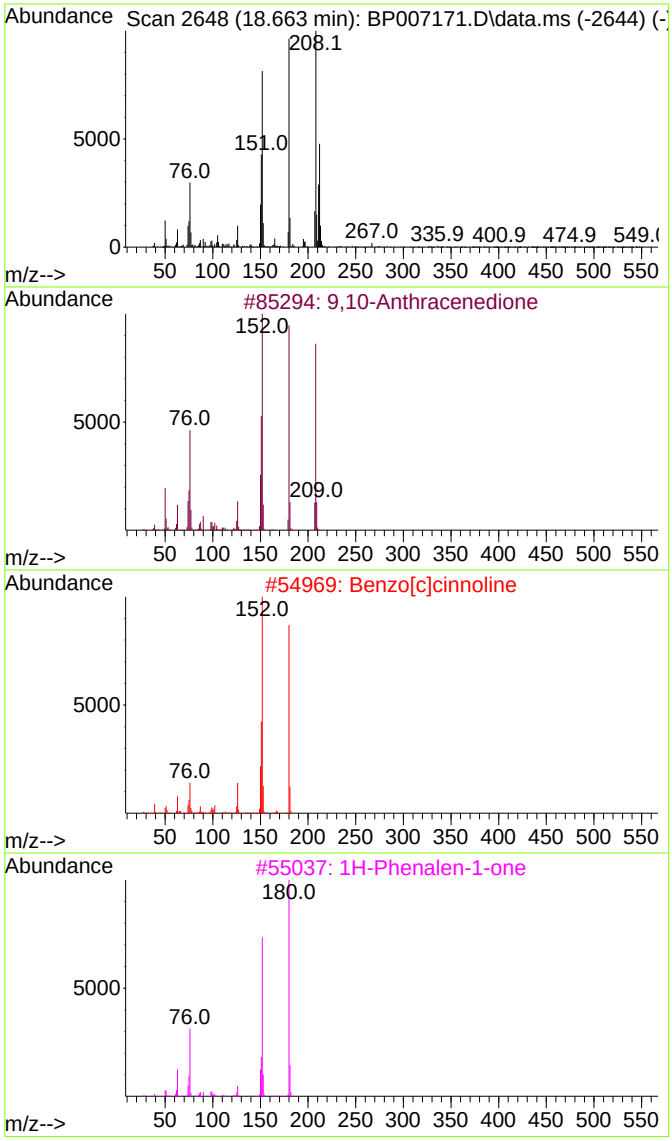
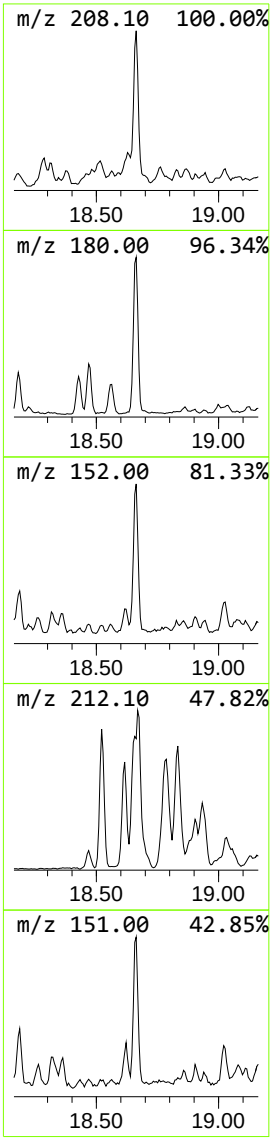
Peak Number 11 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.663	5.79 ng	917488	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50
5	Diphenic anhydride	224	C14H8O3	006050-13-1	38





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Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-6

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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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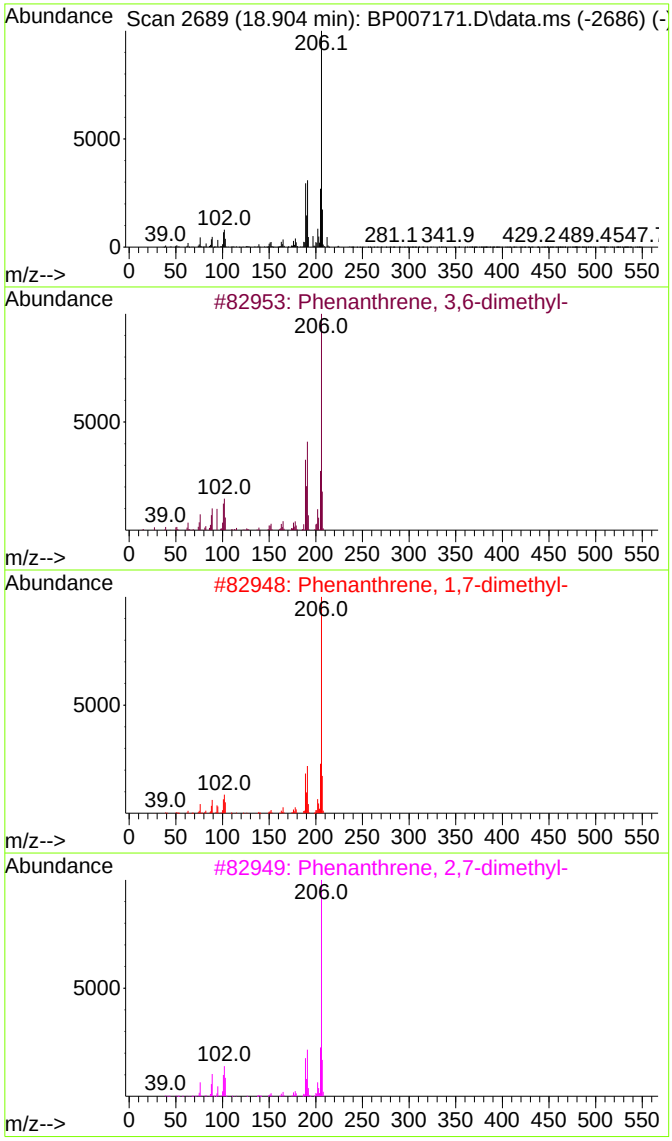
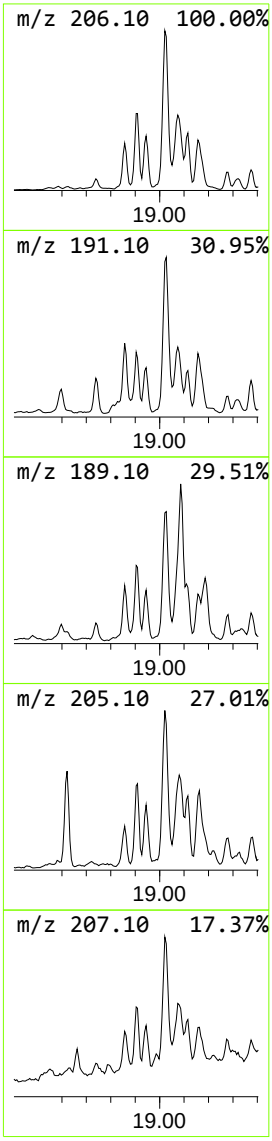
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.904	4.85 ng	768774	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	81





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Sample : M3917-04
Misc :
ALS Vial : 12 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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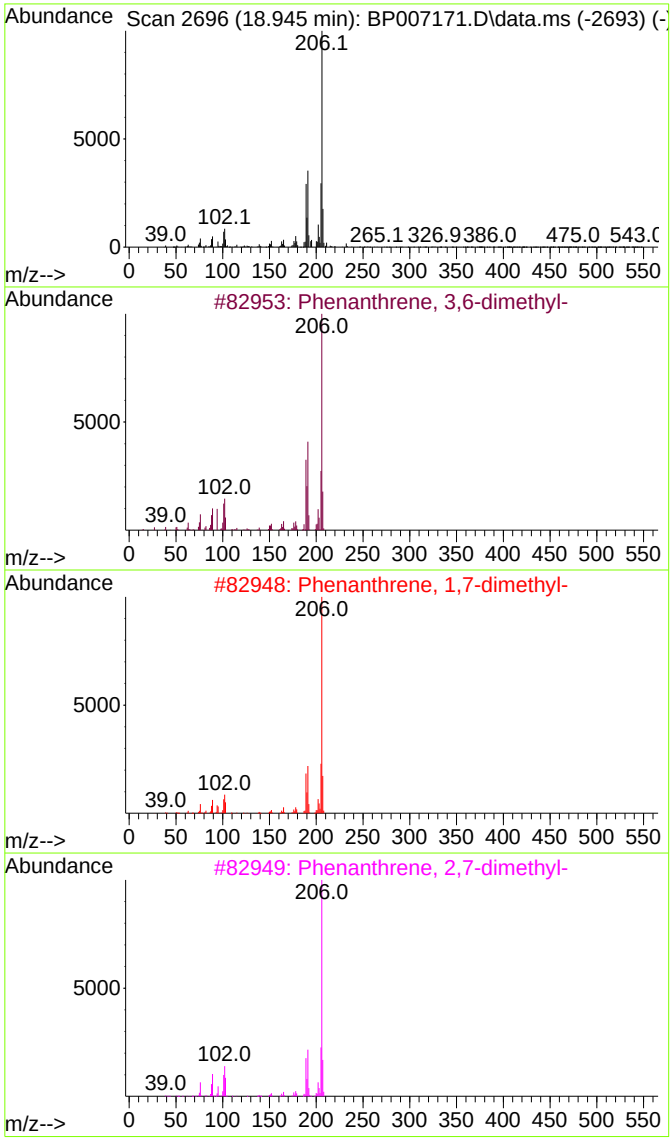
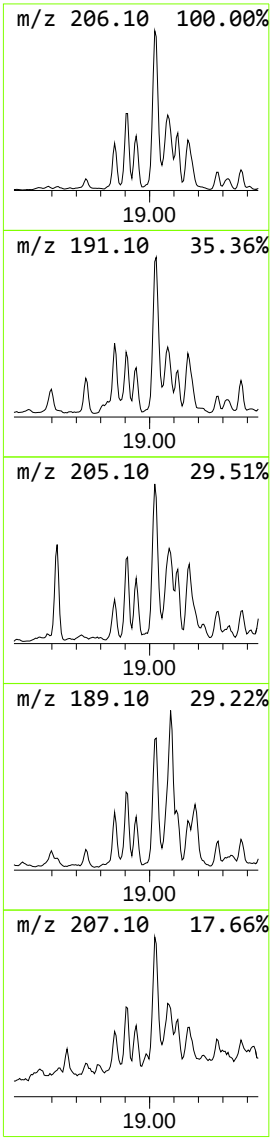
Peak Number 13 Phenanthrene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.945	3.85 ng	609904	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81





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Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-6

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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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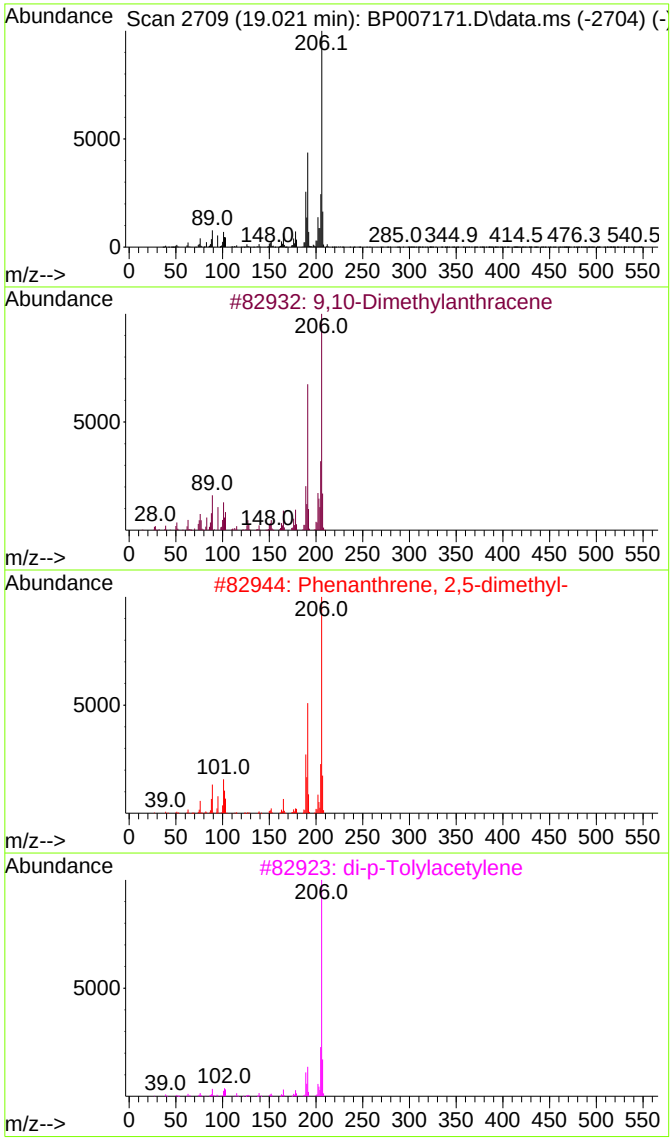
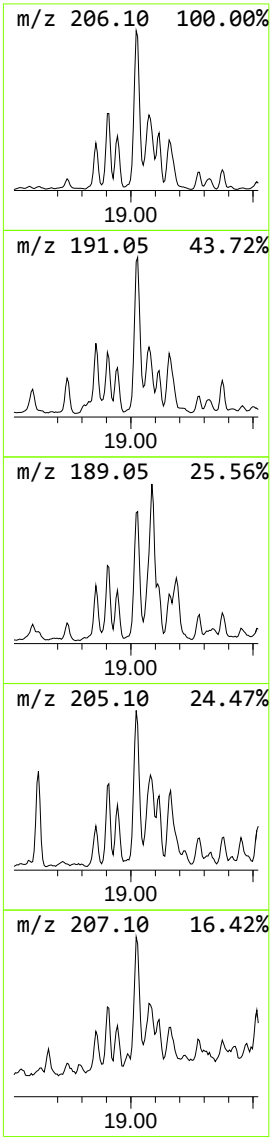
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.021	14.41 ng	2284220	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-6

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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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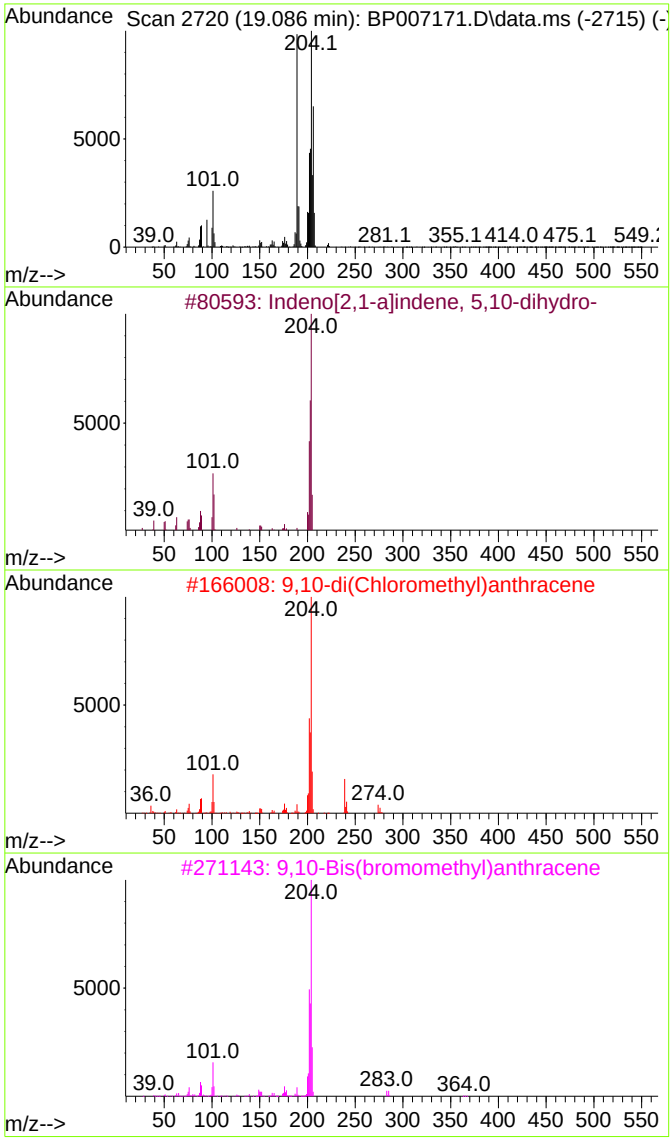
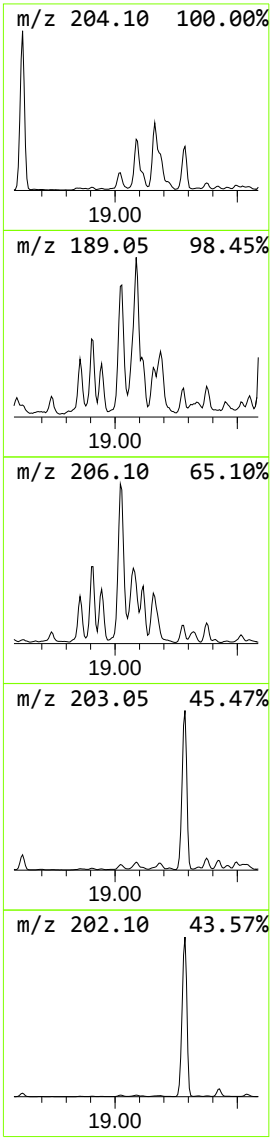
Peak Number 15 Indeno[2,1-a]indene, 5,10-d... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.086	8.82 ng	1397530	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	62
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	52
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
4	Levamisole	204	C11H12N2S	014769-73-4	38
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38





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ALS Vial : 12 Sample Multiplier: 1

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BNA_P
ClientSampleId :
TP-6

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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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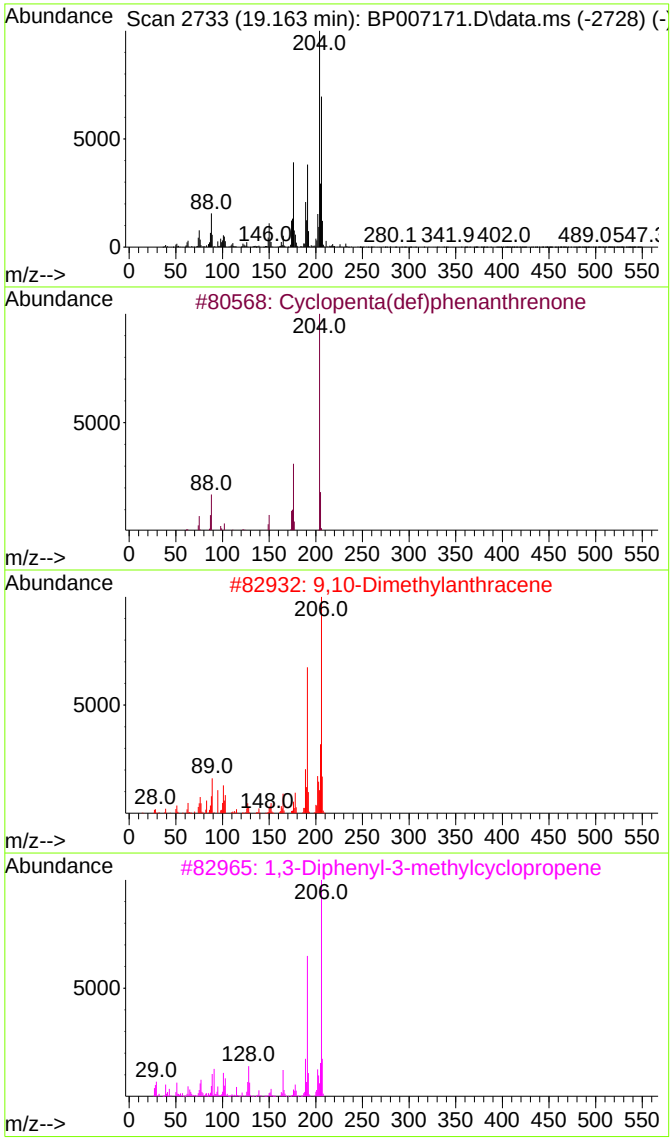
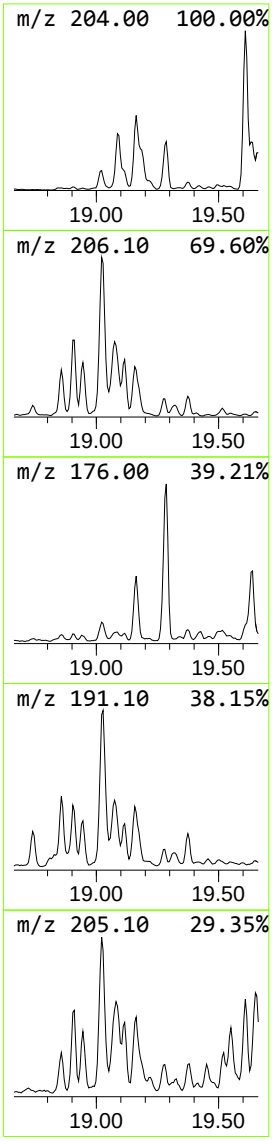
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.163	9.70 ng	1537890	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	84
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	46
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	46
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	46





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Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-6

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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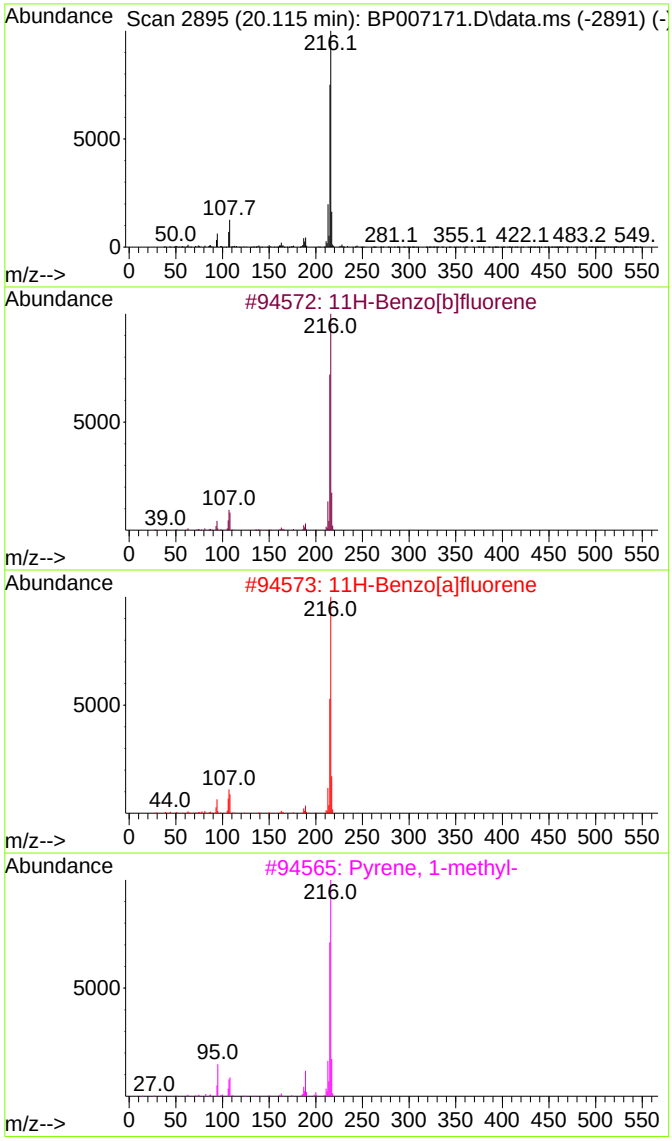
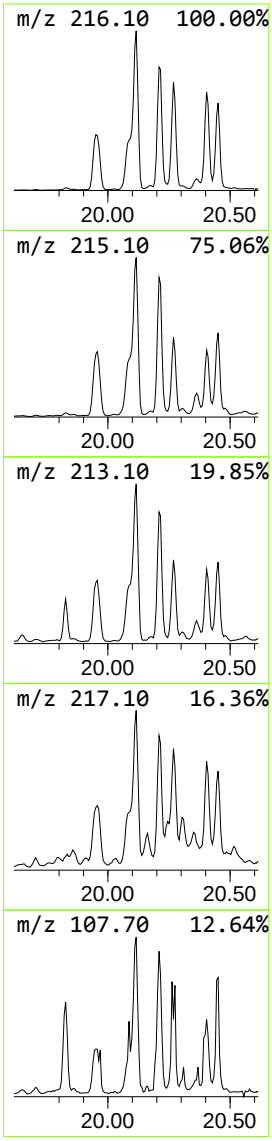
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.115	4.85 ng	3389380	Chrysene-d12	21.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007171.D
Acq On : 24 Sep 2021 22:13
Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-6

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

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

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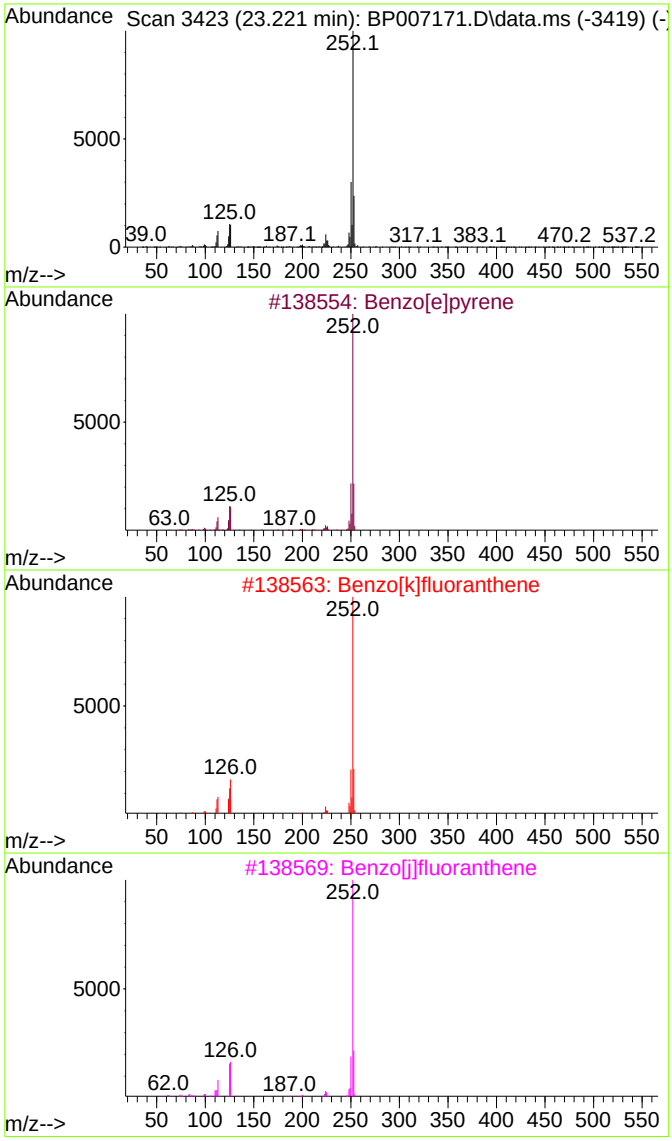
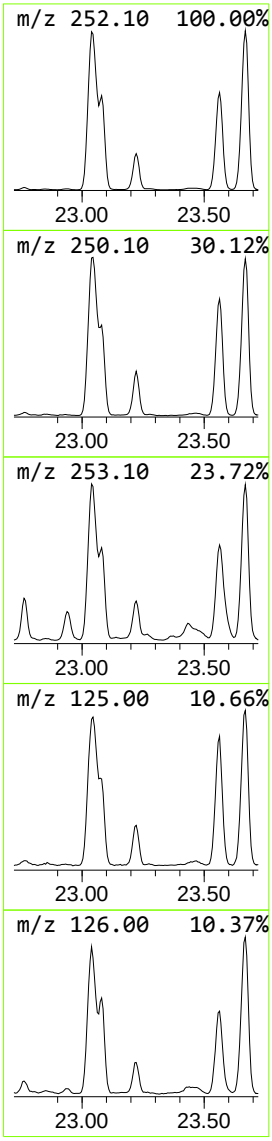
Peak Number 18 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.221	9.21 ng	1914120	Perylene-d12	23.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007171.D
Acq On : 24 Sep 2021 22:13
Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-6

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

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

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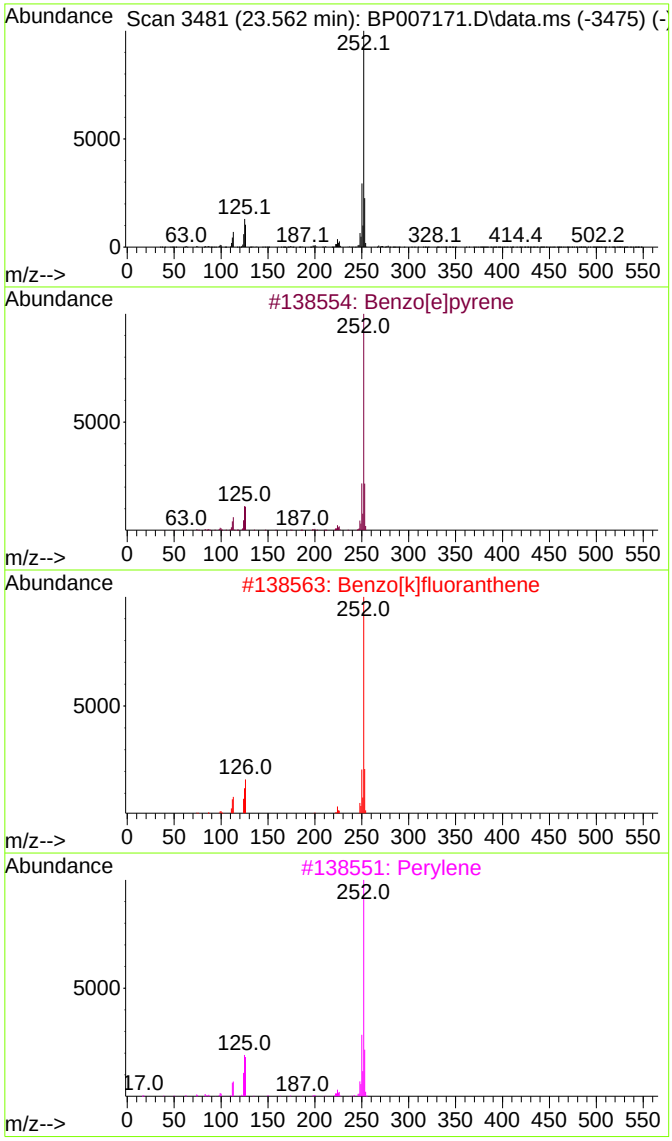
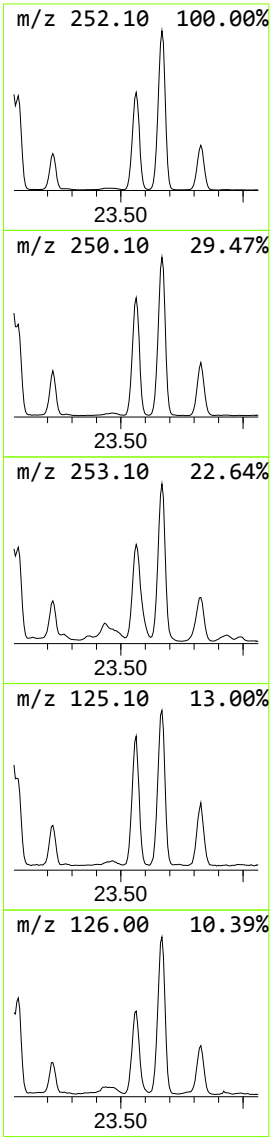
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.562	32.24 ng	6698780	Perylene-d12	23.774

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007171.D
Acq On : 24 Sep 2021 22:13
Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-6

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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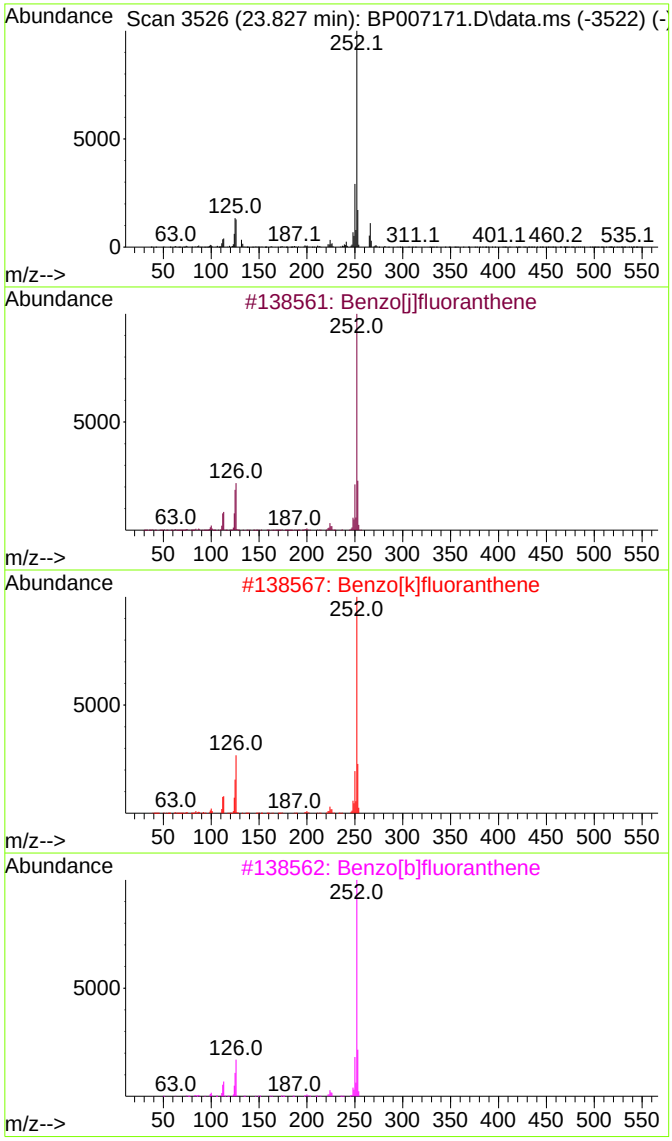
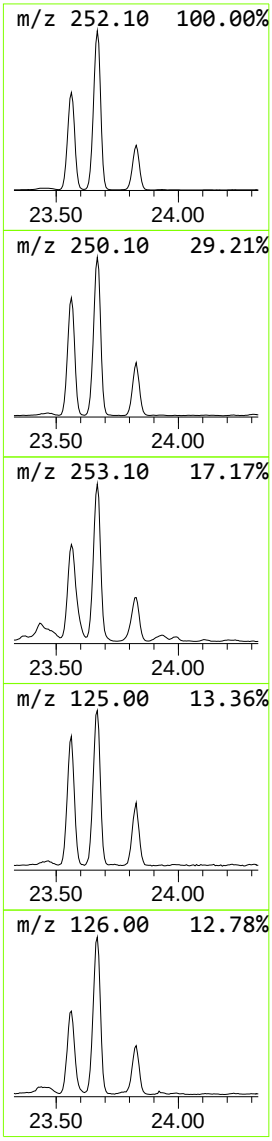
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.827	16.10 ng	3345180	Perylene-d12	23.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	89
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[e]pyrene	252	C20H12	000192-97-2	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007171.D
Acq On : 24 Sep 2021 22:13
Operator : CG/JU
Sample : M3917-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-6

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, 1,...	15.133	4.0	ng	573778	3	14.516	2879700	20.0
Chamazulene	16.239	3.9	ng	621885	4	17.269	3170580	20.0
9H-Fluorene, 2-...	16.569	4.1	ng	646646	4	17.269	3170580	20.0
Dibenzothiophene	17.086	6.3	ng	998006	4	17.269	3170580	20.0
Phenanthrene, 2...	18.139	15.8	ng	2507770	4	17.269	3170580	20.0
Anthracene, 2-m...	18.186	18.0	ng	2855270	4	17.269	3170580	20.0
Phenanthrene, 4...	18.263	7.5	ng	1188440	4	17.269	3170580	20.0
4H-Cyclopenta[d...	18.327	30.0	ng	4751020	4	17.269	3170580	20.0
Anthracene, 9-m...	18.363	7.7	ng	1223620	4	17.269	3170580	20.0
Naphthalene, 2-...	18.621	7.6	ng	1199300	4	17.269	3170580	20.0
9,10-Anthracene...	18.663	5.8	ng	917488	4	17.269	3170580	20.0
Phenanthrene, 3...	18.904	4.8	ng	768774	4	17.269	3170580	20.0
Phenanthrene, 1...	18.945	3.9	ng	609904	4	17.269	3170580	20.0
9,10-Dimethylan...	19.021	14.4	ng	2284220	4	17.269	3170580	20.0
Indeno[2,1-a]in...	19.086	8.8	ng	1397530	4	17.269	3170580	20.0
Cyclopenta(def)...	19.163	9.7	ng	1537890	4	17.269	3170580	20.0
11H-Benzo[b]flu...	20.115	4.8	ng	3389380	5	21.357	13984600	20.0
Benzo[e]pyrene	23.221	9.2	ng	1914120	6	23.774	4155380	20.0
Perylene	23.562	32.2	ng	6698780	6	23.774	4155380	20.0
Benzo[j]fluoran...	23.827	16.1	ng	3345180	6	23.774	4155380	20.0