LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019917.D
Acq On : 28 Feb 2024 15:29
Operator : MA/JU
Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-2

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-BP022624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP019917.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.464	397	404	424	rVB	976552	1483464	11.55%	0.972%
2	7.064	668	676	688	rBV	912831	1507845	11.74%	0.987%
3	7.887	810	816	824	rBV	341854	563436	4.39%	0.369%
4	9.063	1007	1016	1028	rBV	596473	1016062	7.91%	0.665%
5	10.693	1282	1293	1296	rBV	386800	674456	5.25%	0.442%
6	10.740	1296	1301	1310	rVB	1452890	2527123	19.68%	1.655%
7	12.357	1568	1576	1582	rBV	620544	984566	7.67%	0.645%
8	12.575	1606	1613	1624	rVB	391457	644749	5.02%	0.422%
9	13.157	1705	1712	1721	rVB	1261570	1923224	14.98%	1.260%
10	13.369	1742	1748	1758	rVB	182898	281414	2.19%	0.184%
11	13.563	1775	1781	1794	rVB	75085	167018	1.30%	0.109%
12	13.698	1798	1804	1805	rBV2	125728	186592	1.45%	0.122%
13	13.857	1824	1831	1836	rBV	227600	419738	3.27%	0.275%
14	13.910	1836	1840	1849	rVB	148755	242625	1.89%	0.159%
15	14.093	1865	1871	1874	rBV	109156	167132	1.30%	0.109%
16	14.257	1890	1899	1911	rBV	409603	706359	5.50%	0.463%
17	14.534	1936	1946	1951	rBV2	537246	913121	7.11%	0.598%
18	14.598	1951	1957	1965	rVB	824583	1264409	9.85%	0.828%
19	14.934	2005	2014	2023	rVV	796091	1277153	9.95%	0.836%
20	15.151	2044	2051	2056	rBV3	95704	203112	1.58%	0.133%
21	15.328	2072	2081	2084	rBV3	64181	158772	1.24%	0.104%
22	15.587	2119	2125	2137	rVB	1381594	2166779	16.88%	1.419%
23	15.751	2149	2153	2157	rVB2	111447	159756	1.24%	0.105%
24	15.881	2171	2175	2180	rBV	223142	309559	2.41%	0.203%
25	16.034	2192	2201	2209	rBV	1322142	2122665	16.53%	1.390%
26	16.275	2234	2242	2247	rBV4	126173	257488	2.01%	0.169%
27	16.598	2288	2297	2301	rBV3	214939	461358	3.59%	0.302%
28	16.645	2301	2305	2311	rVB	103676	154614	1.20%	0.101%
29	16.957	2353	2358	2364	rVB	220972	353466	2.75%	0.231%
30	17.028	2365	2370	2378	rVV2	99262	225241	1.75%	0.148%
31	17.116	2380	2385	2394	rVB	404637	620923	4.84%	0.407%
32	17.298	2411	2416	2419	rBV	565716	883340	6.88%	0.578%
33	17.351	2419	2425	2431	rVV	7437682	10997492	85.66%	7.202%
34	17.434	2431	2439	2444	rVV	2045470	2952610	23.00%	1.934%
35	17.492	2444	2449	2454	rVB3	124044	231102	1.80%	0.151%
36	17.710	2477	2486	2494	rBV2	632527	1145765	8.92%	0.750%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019917.D
Acq On : 28 Feb 2024 15:29
Operator : MA/JU
Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-2

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-BP022624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.822	2501	2505	2511	rVV2	129276	196991	1.53%	0.129%
38	17.881	2511	2515	2522	rVB4	194683	345557	2.69%	0.226%
39	18.016	2535	2538	2546	rVB	108450	188746	1.47%	0.124%
40	18.169	2558	2564	2567	rBV	874877	1278478	9.96%	0.837%
41	18.216	2567	2572	2578	rVB	1292525	2116662	16.49%	1.386%
42	18.292	2578	2585	2590	rBV2	431585	694871	5.41%	0.455%
43	18.357	2590	2596	2600	rVV2	1548157	2605680	20.30%	1.706%
44	18.392	2600	2602	2608	rVB	635381	761162	5.93%	0.498%
45	18.475	2611	2616	2619	rBV4	104756	174552	1.36%	0.114%
46	18.657	2642	2647	2651	rBV	582235	759997	5.92%	0.498%
47	18.704	2651	2655	2662	rVB	488466	652998	5.09%	0.428%
48	18.892	2684	2687	2691	rVB	155287	186626	1.45%	0.122%
49	18.939	2691	2695	2699	rBV	223405	253629	1.98%	0.166%
50	18.981	2699	2702	2706	rVB	193722	243550	1.90%	0.159%
51	19.057	2710	2715	2719	rBV	571751	968519	7.54%	0.634%
52	19.151	2729	2731	2734	rVB	218942	216294	1.68%	0.142%
53	19.204	2734	2740	2745	rBV3	349259	664541	5.18%	0.435%
54	19.322	2753	2760	2765	rBV	9122867	12745203	99.27%	8.347%
55	19.381	2766	2770	2773	rBV	159646	233422	1.82%	0.153%
56	19.410	2773	2775	2781	rVV3	197740	341139	2.66%	0.223%
57	19.463	2781	2784	2788	rVB	260443	330740	2.58%	0.217%
58	19.522	2789	2794	2795	rBV4	129251	193391	1.51%	0.127%
59	19.551	2796	2799	2802	rVB	174551	223396	1.74%	0.146%
60	19.675	2809	2820	2827	rBV2	7301369	12838684	100.00%	8.408%
61	19.739	2827	2831	2837	rVB2	471002	671180	5.23%	0.440%
62	19.869	2844	2853	2857	rBV2	2216110	3458008	26.93%	2.265%
63	19.910	2857	2860	2864	rVB	448694	614474	4.79%	0.402%
64	19.986	2867	2873	2880	rBV2	563581	1432582	11.16%	0.938%
65	20.045	2880	2883	2885	rBV	158095	165651	1.29%	0.108%
66	20.116	2890	2895	2898	rVV4	528475	990072	7.71%	0.648%
67	20.157	2898	2902	2907	rVB	1545340	2154115	16.78%	1.411%
68	20.251	2914	2918	2922	rBV	1410819	1818126	14.16%	1.191%
69	20.310	2922	2928	2932	rVV2	802312	1363107	10.62%	0.893%
70	20.345	2932	2934	2938	rVB2	200132	235584	1.83%	0.154%
71	20.392	2938	2942	2947	rBV3	171559	358096	2.79%	0.235%
72	20.445	2947	2951	2954	rVV	503743	587490	4.58%	0.385%
73	20.486	2955	2958	2963	rVB	501266	644408	5.02%	0.422%
74	20.604	2976	2978	2984	rVB2	158392	196710	1.53%	0.129%
75	20.845	3017	3019	3023	rBV3	148595	205353	1.60%	0.134%
76	20.892	3023	3027	3033	rVB	526196	777401	6.06%	0.509%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019917.D
Acq On : 28 Feb 2024 15:29
Operator : MA/JU
Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : WC-2

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-BP022624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.051	3049	3054	3057	rBV2	717800	1039924	8.10%	0.681%
78	21.086	3057	3060	3063	rVV	737931	886027	6.90%	0.580%
79	21.127	3063	3067	3072	rVV2	770444	1340775	10.44%	0.878%
80	21.186	3074	3077	3083	rVB	566727	700740	5.46%	0.459%
81	21.392	3103	3112	3117	rBV3	5745534	10024890	78.08%	6.565%
82	21.445	3117	3121	3130	rVB	4456056	6353466	49.49%	4.161%
83	21.563	3137	3141	3147	rBV	832128	1138964	8.87%	0.746%
84	21.622	3148	3151	3155	rVV2	358520	431760	3.36%	0.283%
85	21.733	3165	3170	3175	rVB2	460611	832990	6.49%	0.546%
86	21.922	3198	3202	3205	rBV2	326961	513368	4.00%	0.336%
87	21.986	3209	3213	3217	rVV	848330	1355937	10.56%	0.888%
88	22.039	3219	3222	3228	rVB	492370	720306	5.61%	0.472%
89	22.151	3237	3241	3244	rVB2	316175	439507	3.42%	0.288%
90	22.192	3245	3248	3251	rVV	473985	665567	5.18%	0.436%
91	22.233	3251	3255	3261	rVB3	568614	936616	7.30%	0.613%
92	22.304	3262	3267	3272	rVB3	262912	474832	3.70%	0.311%
93	23.104	3395	3403	3408	rBV	2872734	7885283	61.42%	5.164%
94	23.280	3428	3433	3438	rVB	684009	1177250	9.17%	0.771%
95	23.621	3484	3491	3502	rVB	1701202	3820688	29.76%	2.502%
96	23.733	3502	3510	3518	rVV	2868785	6018588	46.88%	3.942%
97	23.833	3522	3527	3531	rVV	590275	1288348	10.03%	0.844%
98	23.886	3532	3536	3546	rVB2	796088	1729386	13.47%	1.133%
99	26.380	3951	3960	3975	rVB2	1291048	4329462	33.72%	2.835%
100	27.162	4085	4093	4113	rVB	952986	3350194	26.09%	2.194%

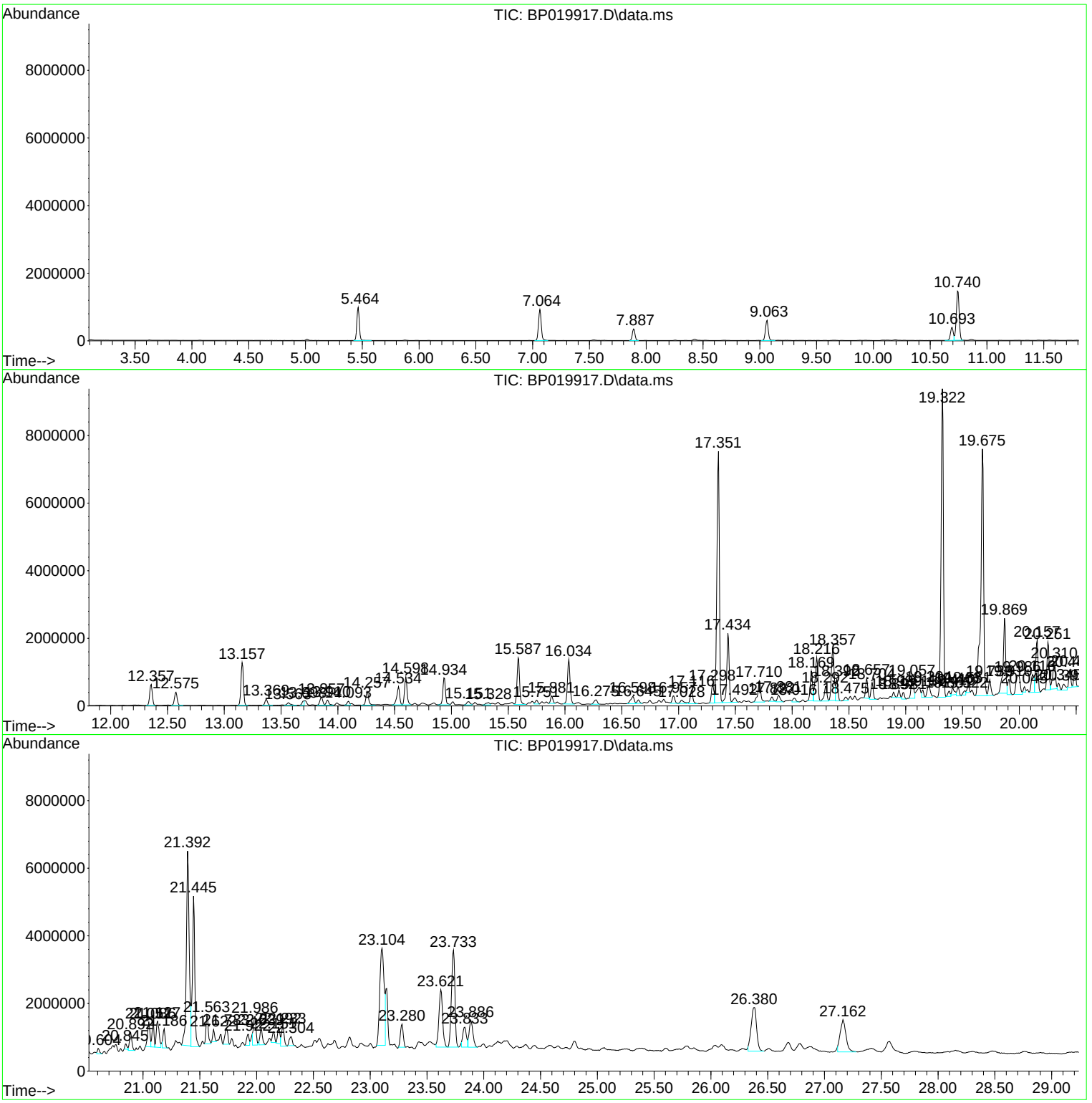
Sum of corrected areas: 152696581

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019917.D
Acq On : 28 Feb 2024 15:29
Operator : MA/JU
Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.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\BP022824\
Data File : BP019917.D
Acq On : 28 Feb 2024 15:29
Operator : MA/JU
Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

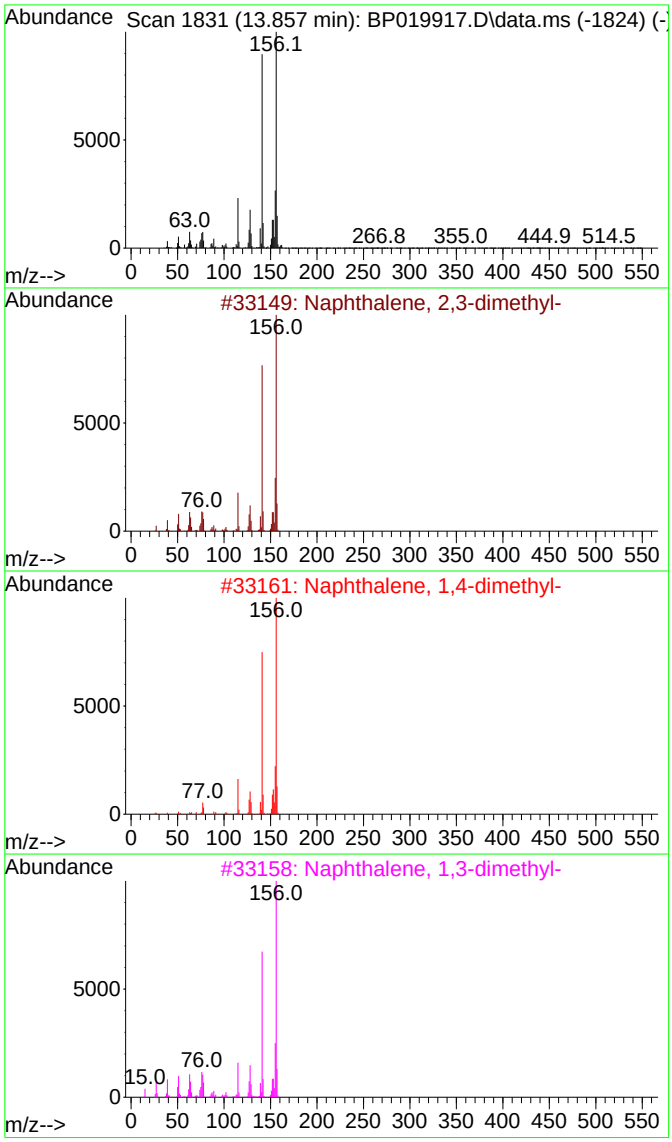
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

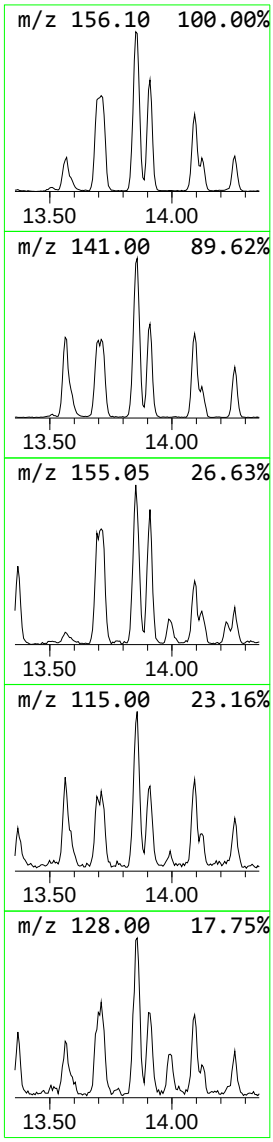
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.857	9.19 ng	419738	Acenaphthene-d10	14.534

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019917.D
Acq On : 28 Feb 2024 15:29
Operator : MA/JU
Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

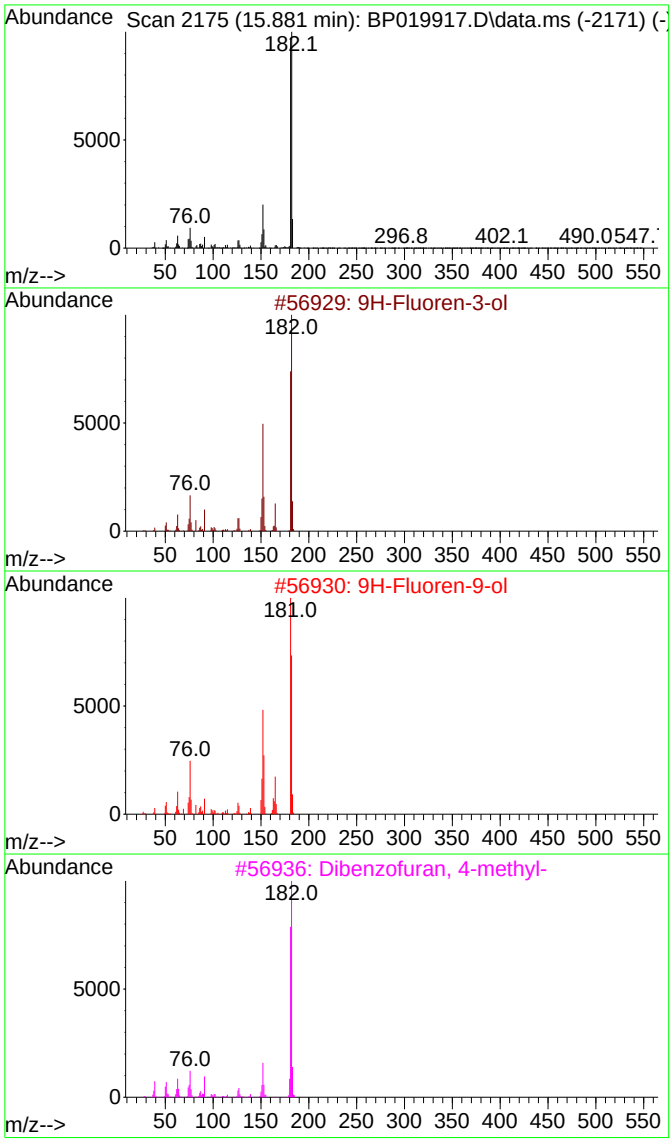
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

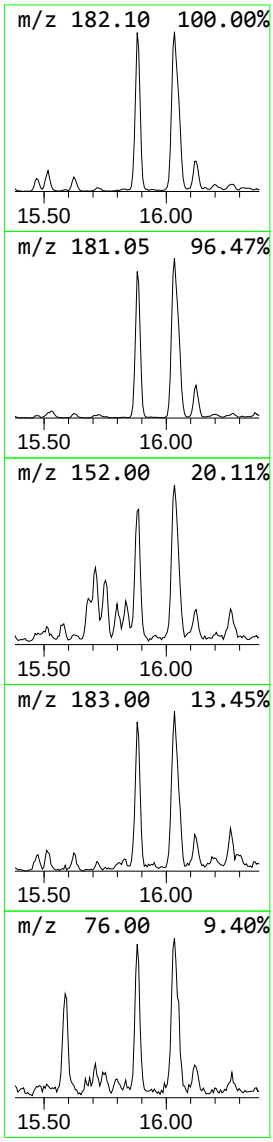
****

Peak Number 2 9H-Fluoren-3-ol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.881	6.78 ng	309559	Acenaphthene-d10	14.534

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019917.D
Acq On : 28 Feb 2024 15:29
Operator : MA/JU
Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-2

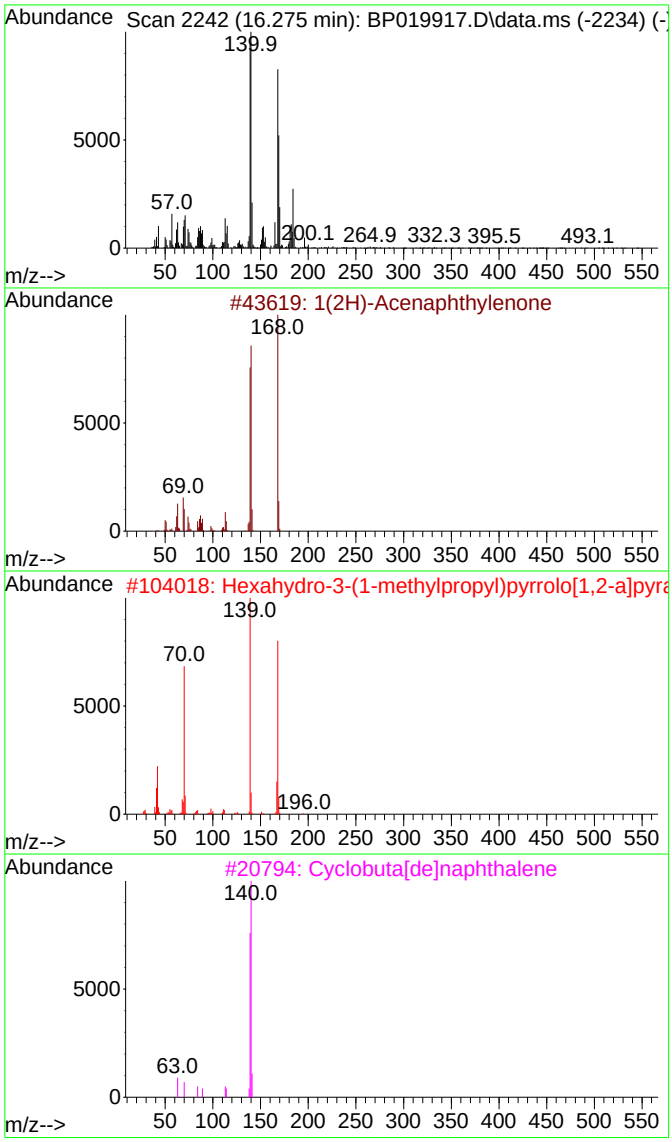
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

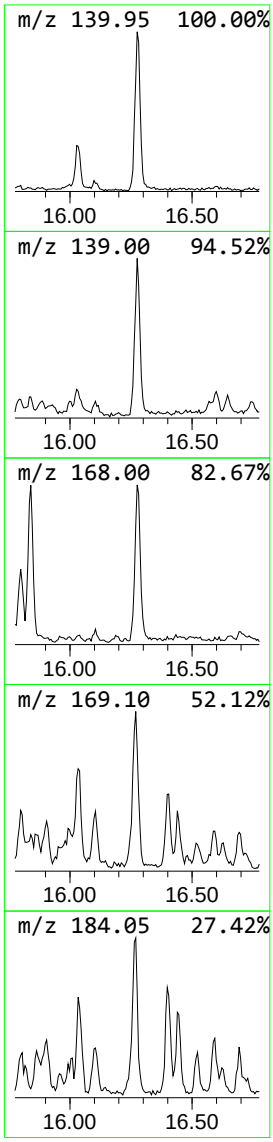
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1(2H)-Acenaphthylenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	5.83 ng	257488	Phenanthrene-d10	17.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	60
2	Hexahydro-3-(1-methylpropyl)pyrr...	224	C12H20N2O2	1010505-79-2	38
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	38
4	1-Isoquinolinecarbonitrile, 3-me...	168	C11H8N2	022381-52-8	30
5	3-Amino-4-fluorophenol, N,N,O-tr...	169	C9H12FNO	198139-36-5	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019917.D
Acq On : 28 Feb 2024 15:29
Operator : MA/JU
Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

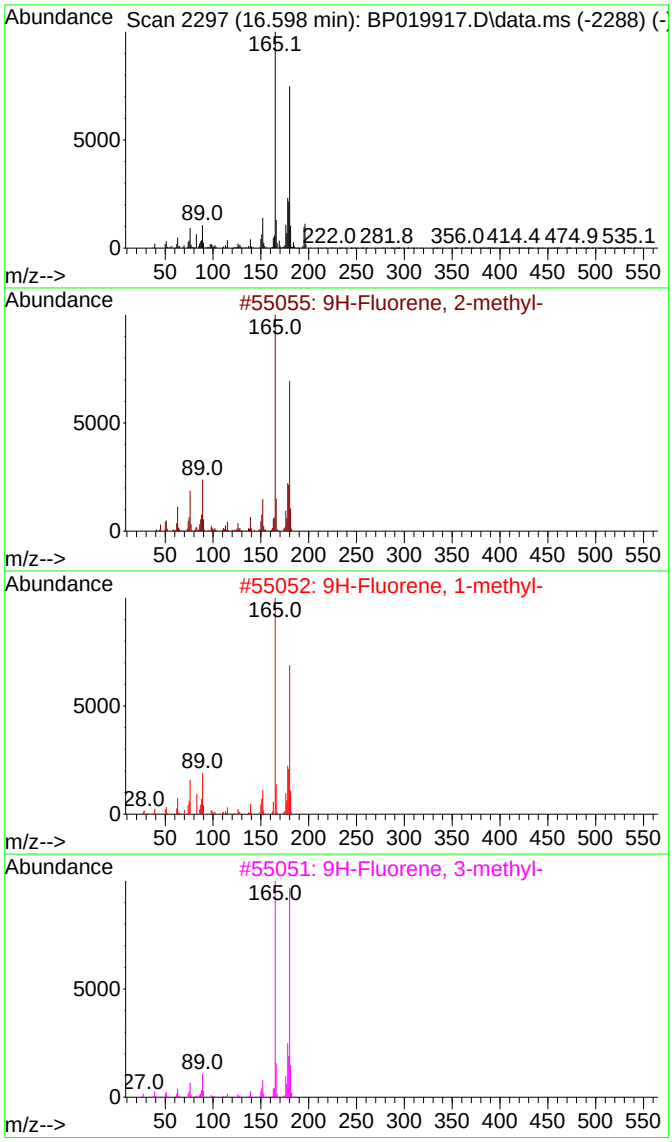
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

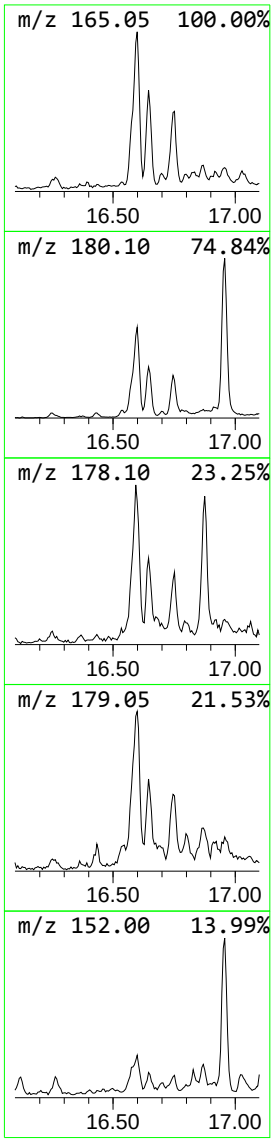
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.598	10.45 ng	461358	Phenanthrene-d10	17.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019917.D
Acq On : 28 Feb 2024 15:29
Operator : MA/JU
Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

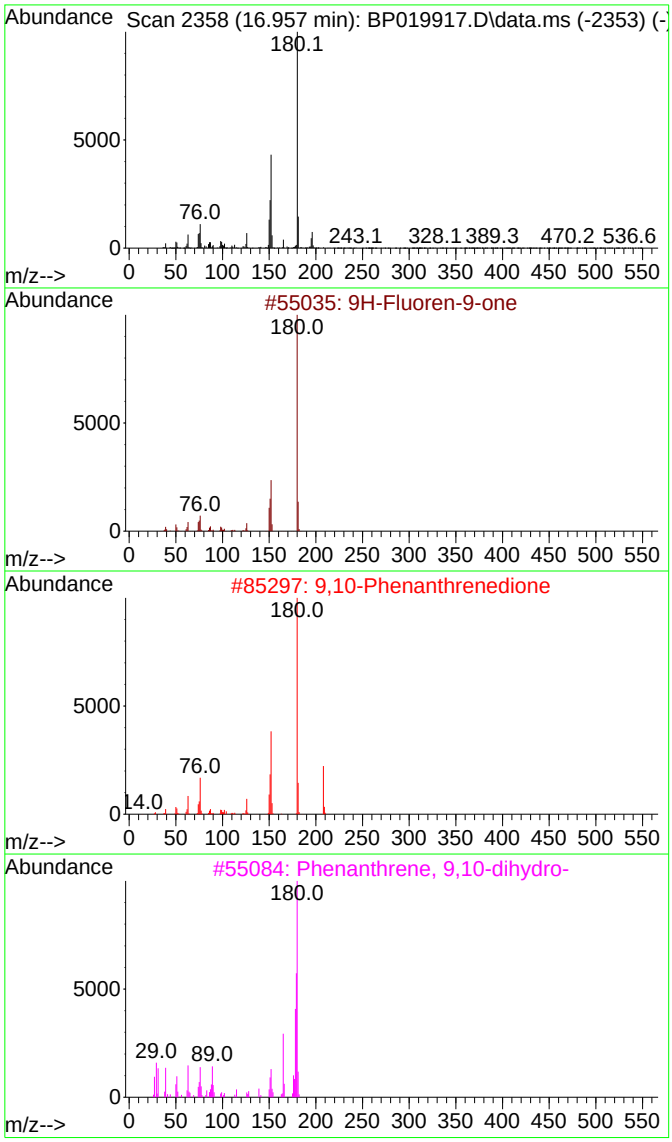
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

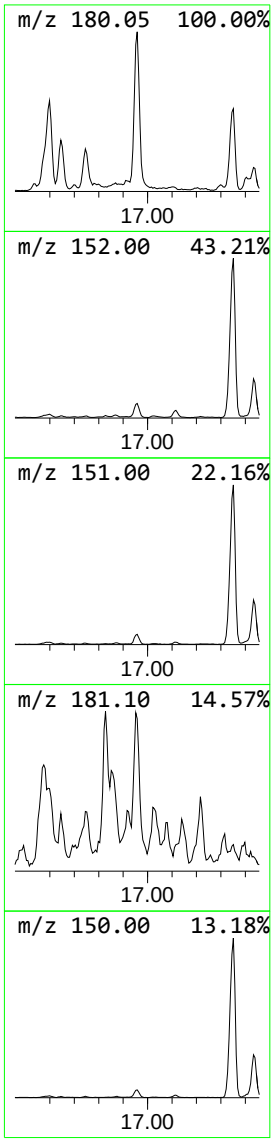
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.957	8.00 ng	353466	Phenanthrene-d10	17.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	80
3	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	47
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	45





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Acq On : 28 Feb 2024 15:29
Operator : MA/JU
Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WC-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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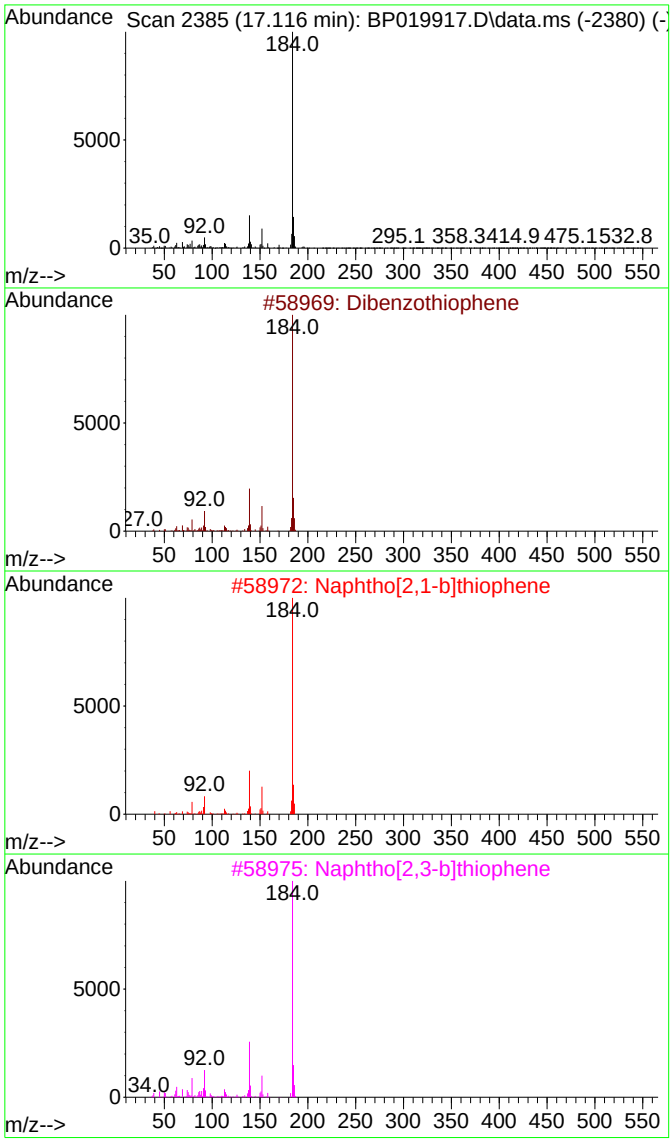
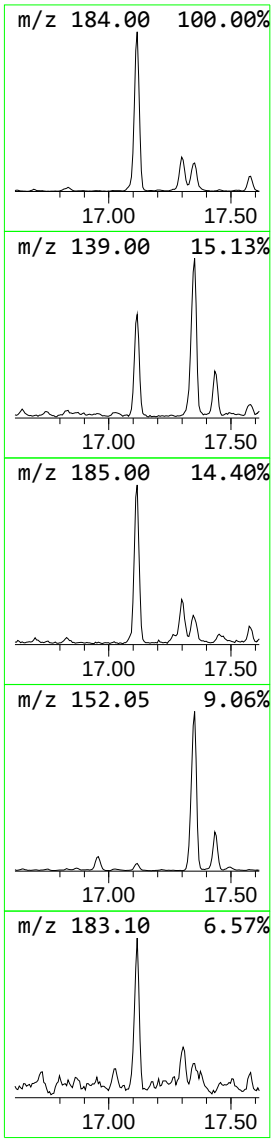
Peak Number 6 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.116	14.06 ng	620923	Phenanthrene-d10	17.298

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	94
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.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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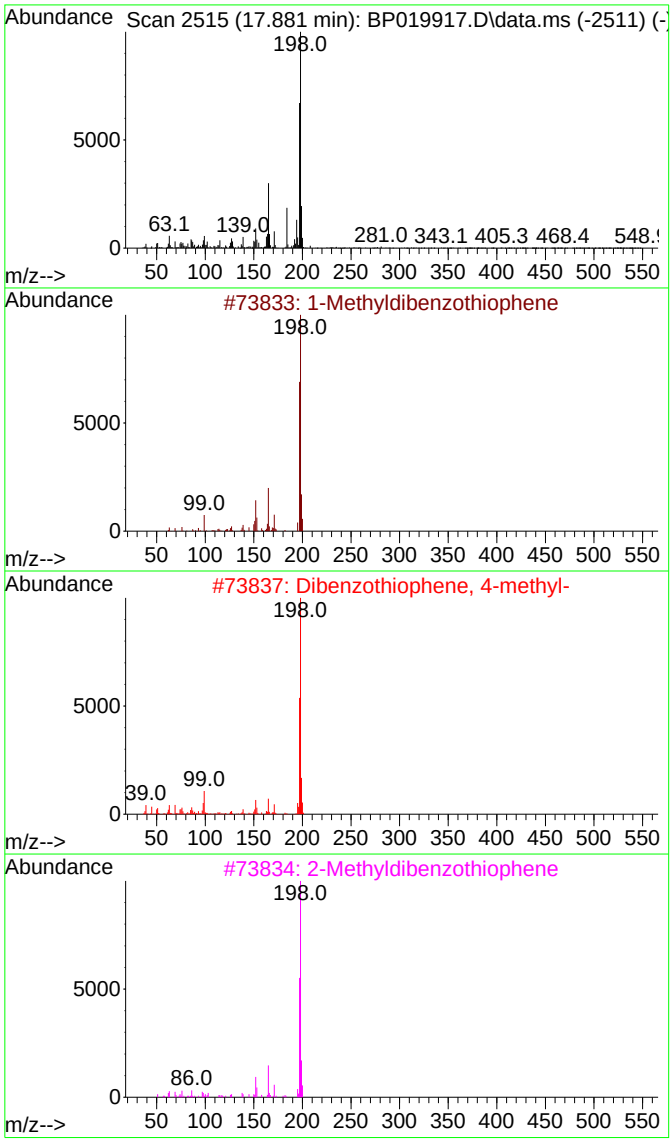
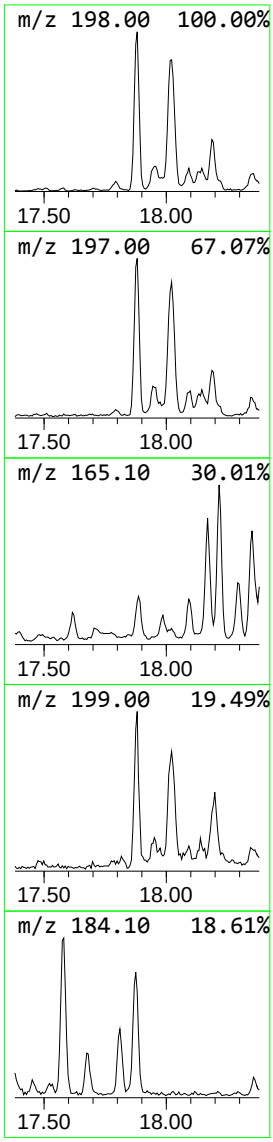
Peak Number 7 1-Methyldibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.881	7.82 ng	345557	Phenanthrene-d10	17.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	81
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	74
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	74
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	64
5	Thioxanthene	198	C13H10S	000261-31-4	60





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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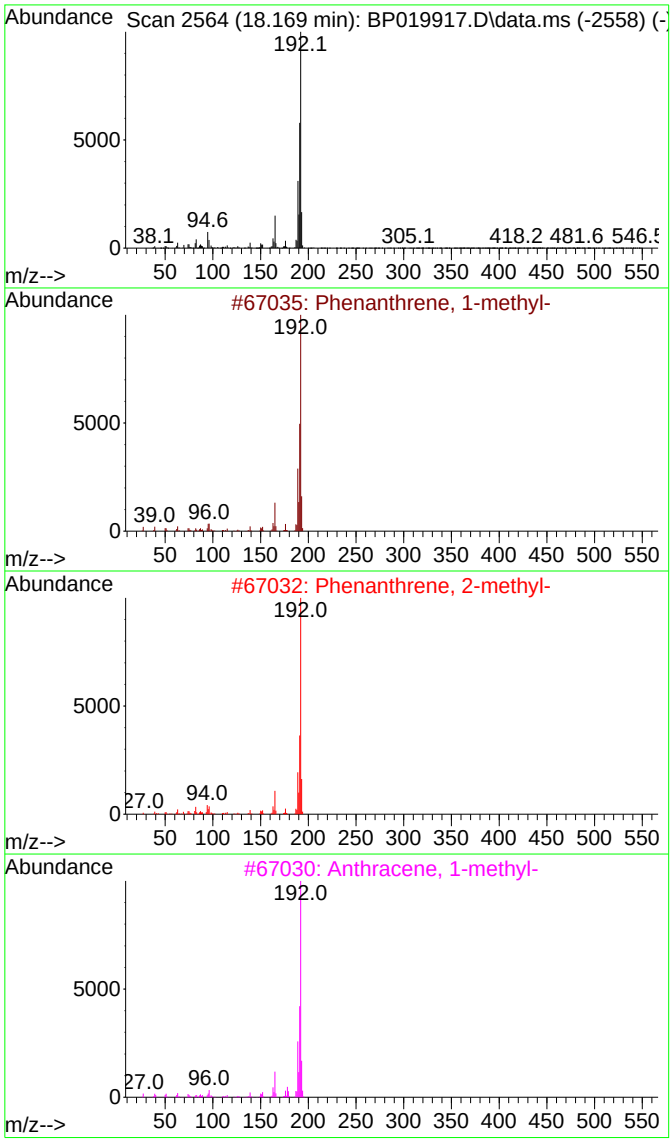
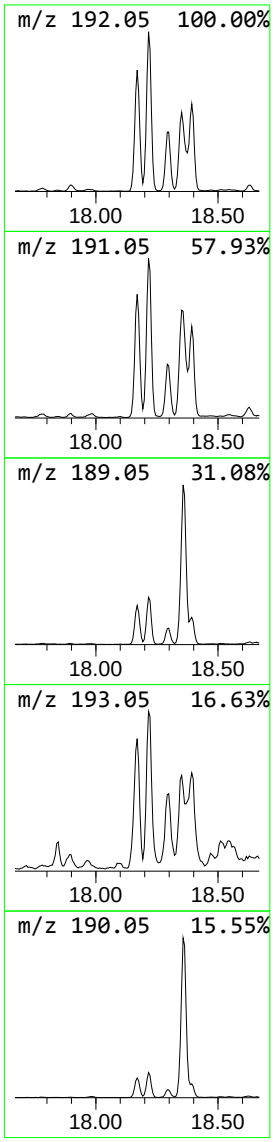
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.169	28.95 ng	1278480	Phenanthrene-d10	17.298

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	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.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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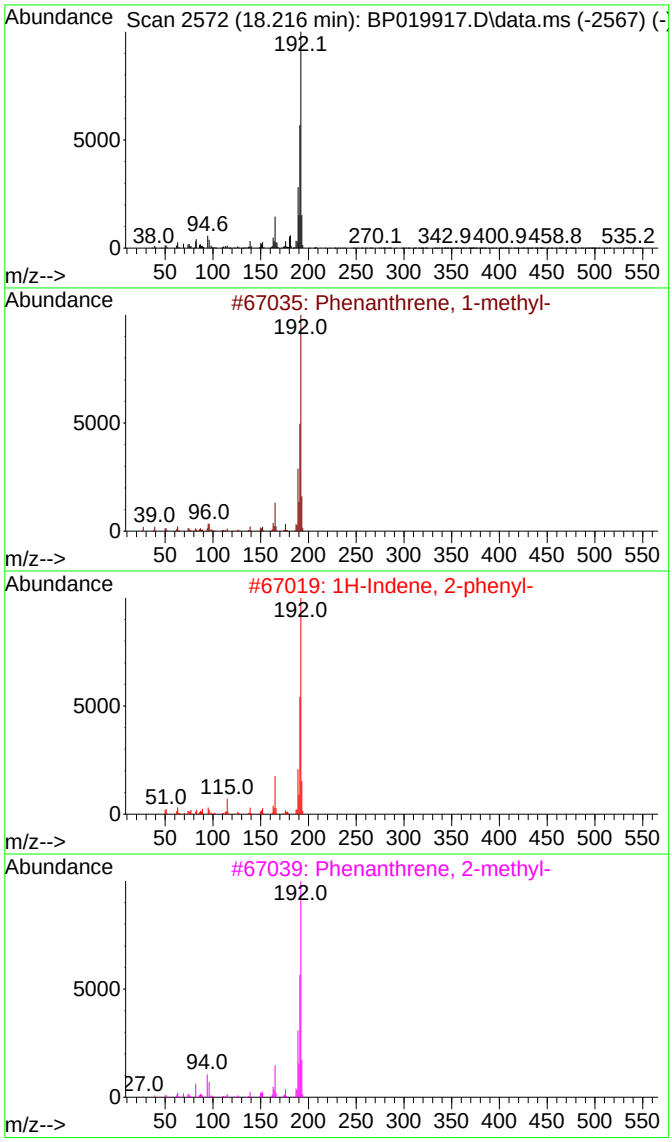
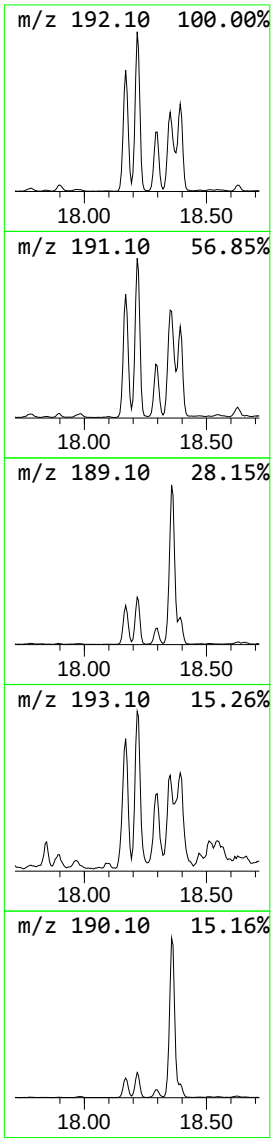
Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.216	47.92 ng	2116660	Phenanthrene-d10	17.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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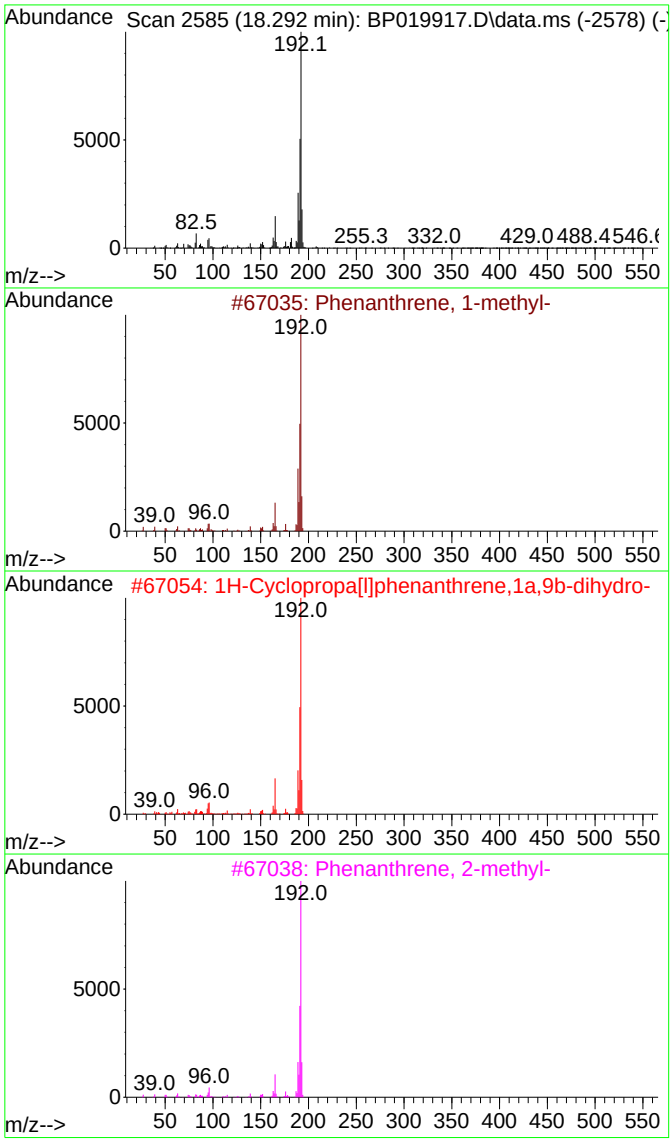
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

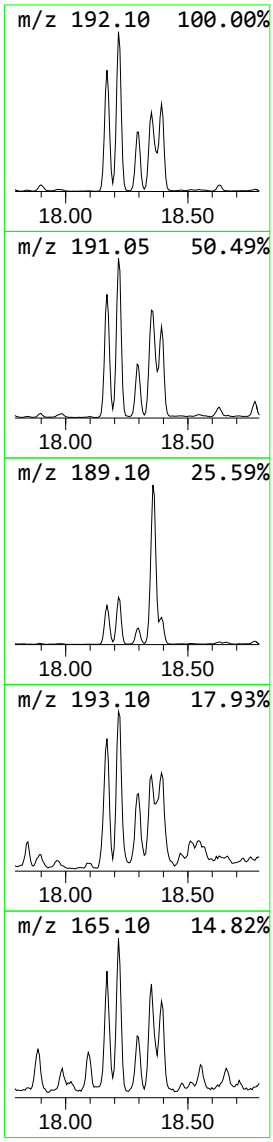
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.292	15.73 ng	694871	Phenanthrene-d10	17.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96





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Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.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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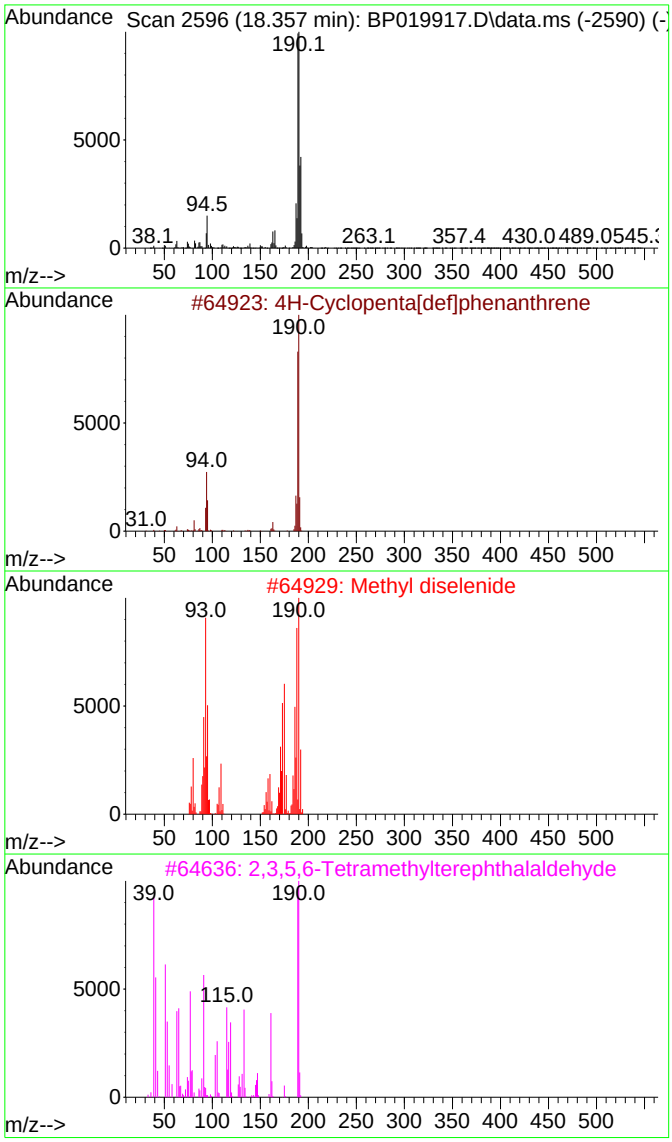
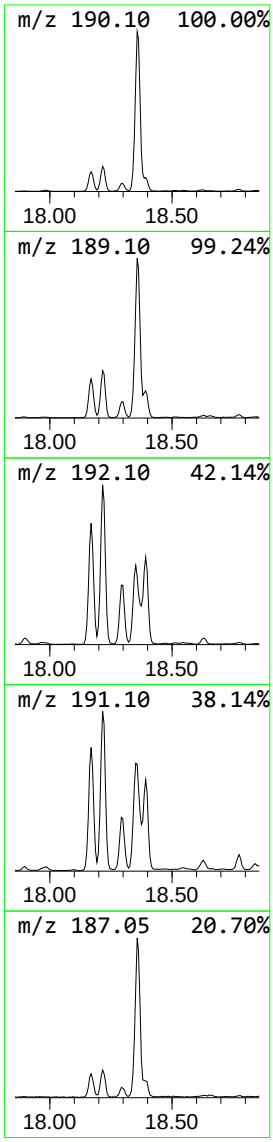
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.357	59.00 ng	2605680	Phenanthrene-d10	17.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.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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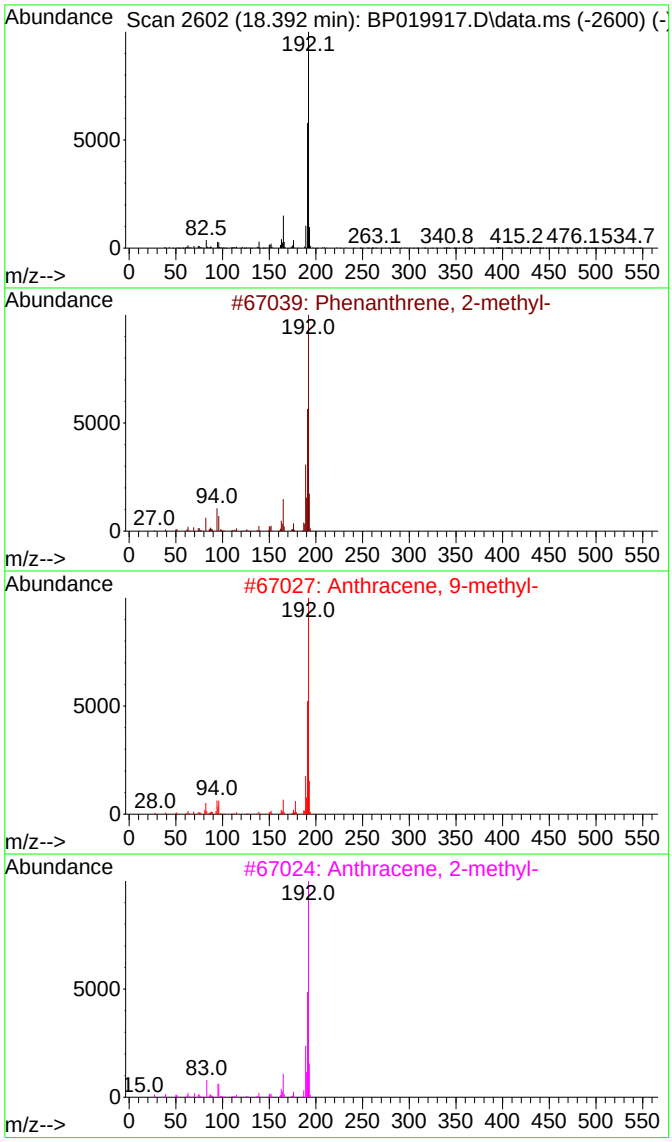
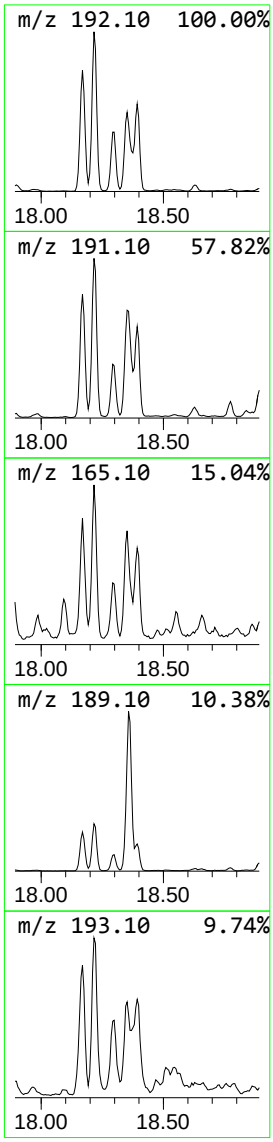
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.392	17.23 ng	761162	Phenanthrene-d10	17.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74





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Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-2

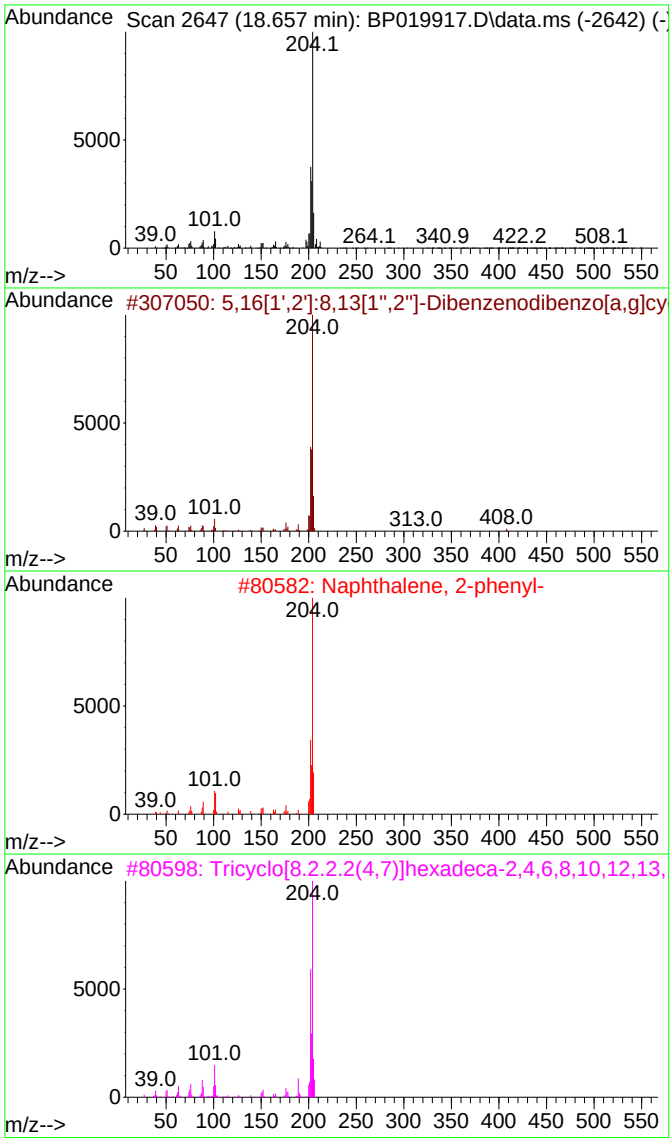
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

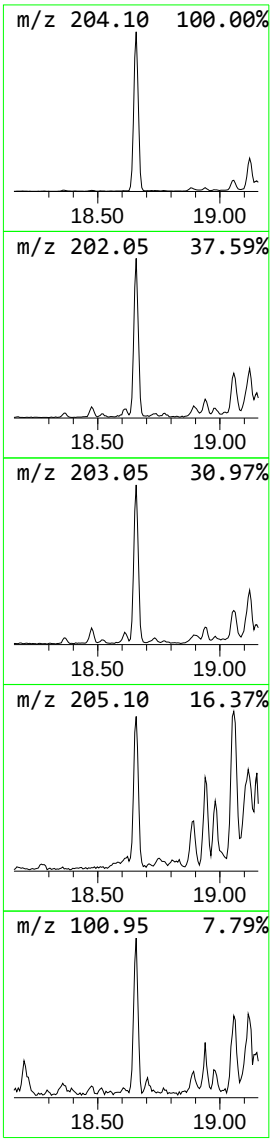
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.657	17.21 ng	759997	Phenanthrene-d10	17.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
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	58
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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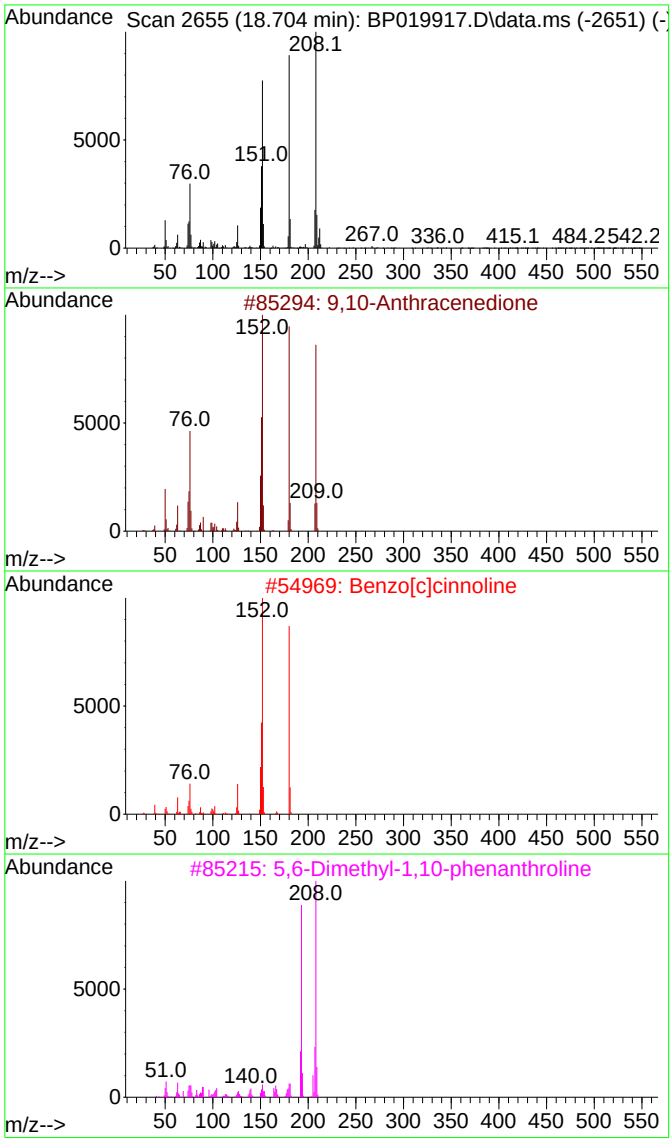
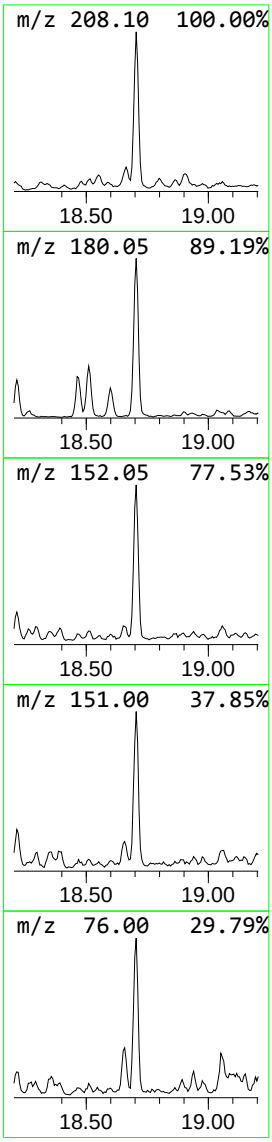
Peak Number 14 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.704	14.78 ng	652998	Phenanthrene-d10	17.298

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	78
3	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	58





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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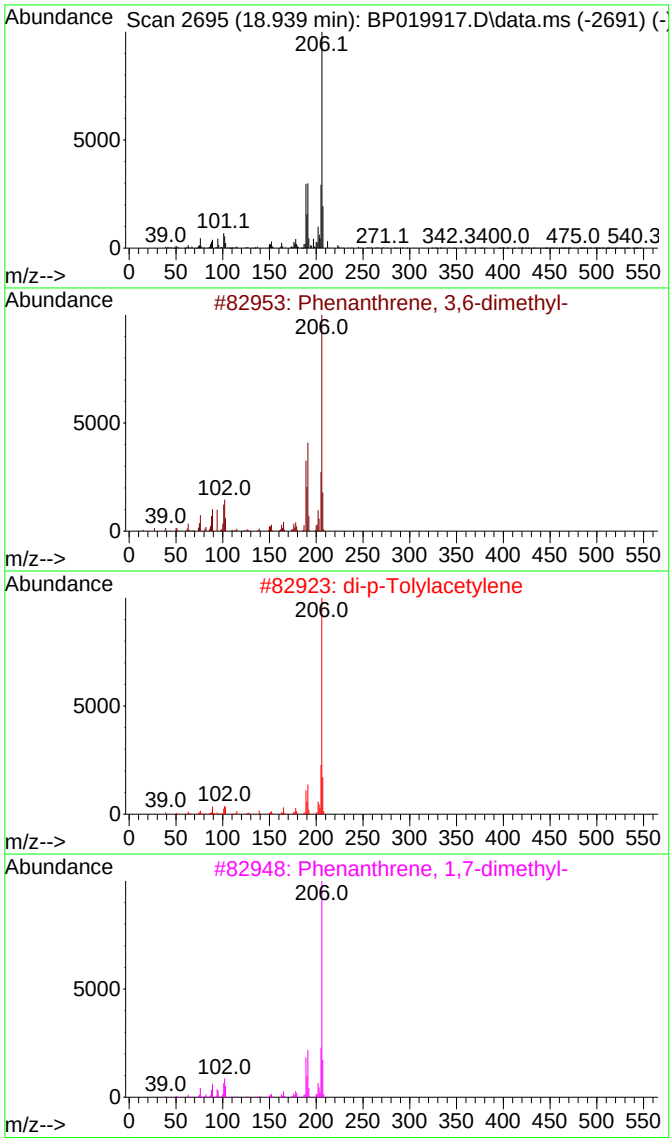
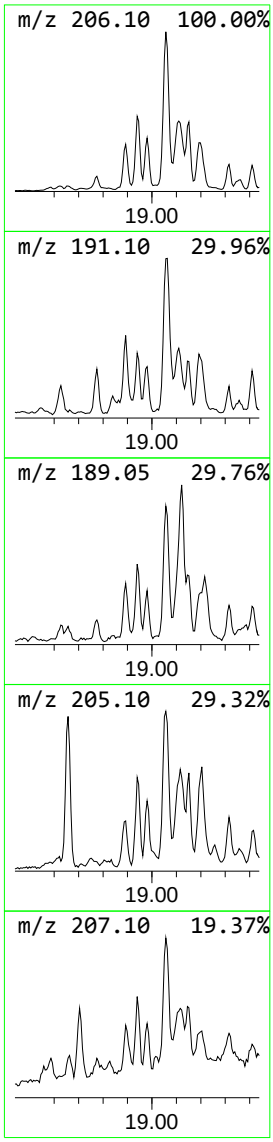
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.939	5.74 ng	253629	Phenanthrene-d10	17.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	74





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ALS Vial : 11 Sample Multiplier: 1

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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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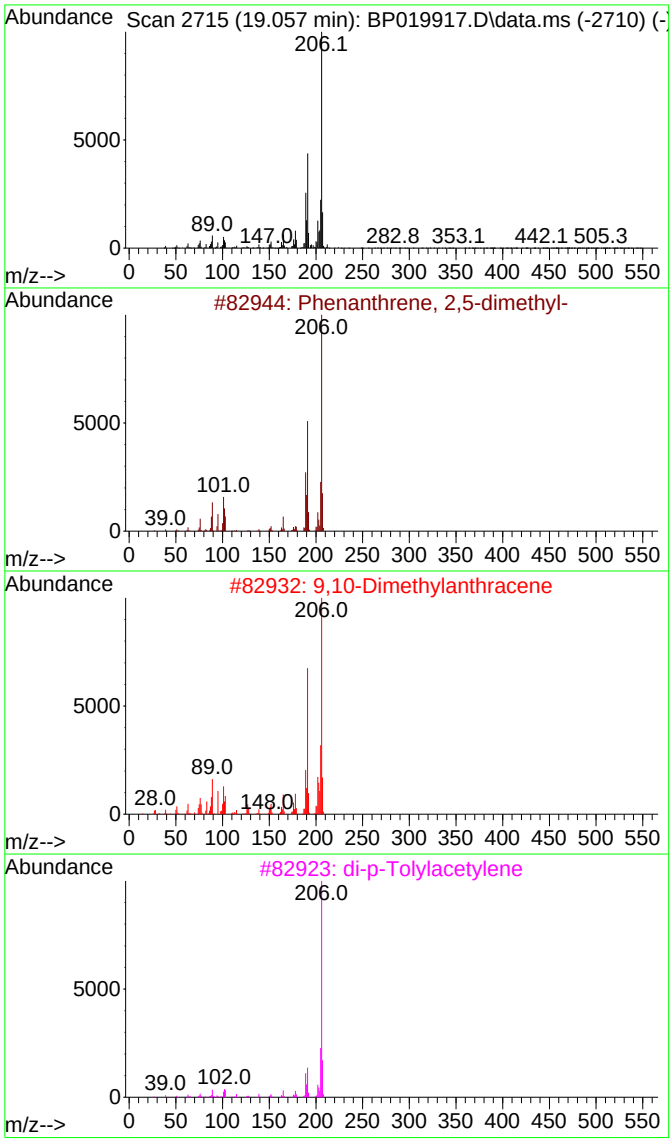
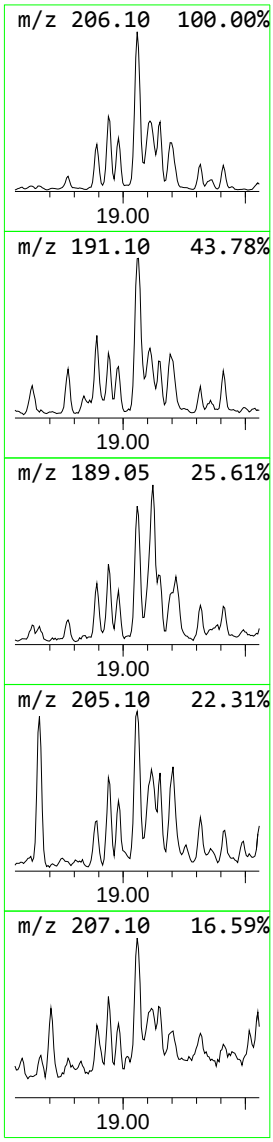
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.057	21.93 ng	968519	Phenanthrene-d10	17.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.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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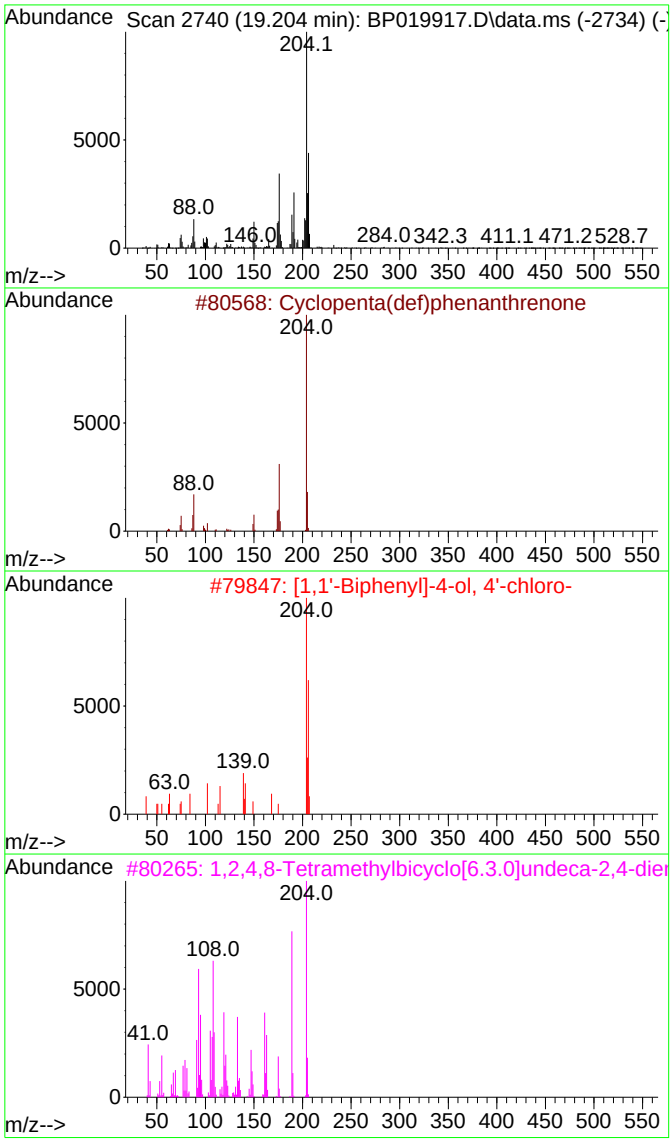
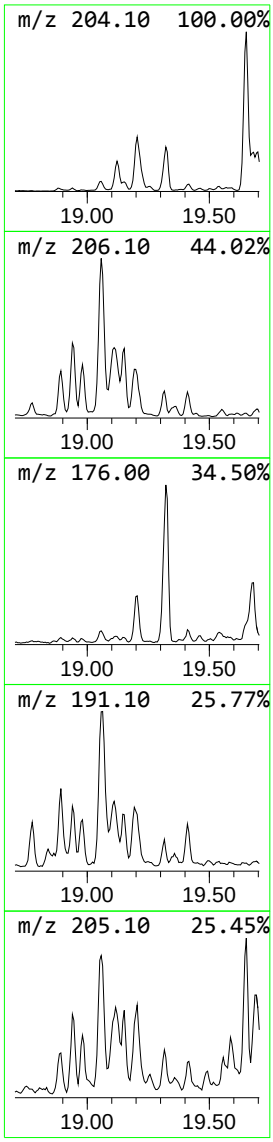
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.204	15.05 ng	664541	Phenanthrene-d10	17.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	52
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
4	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	47
5	L-Rhamnose, 4TMS derivative	452	C18H44O5Si4	019127-15-2	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019917.D
Acq On : 28 Feb 2024 15:29
Operator : MA/JU
Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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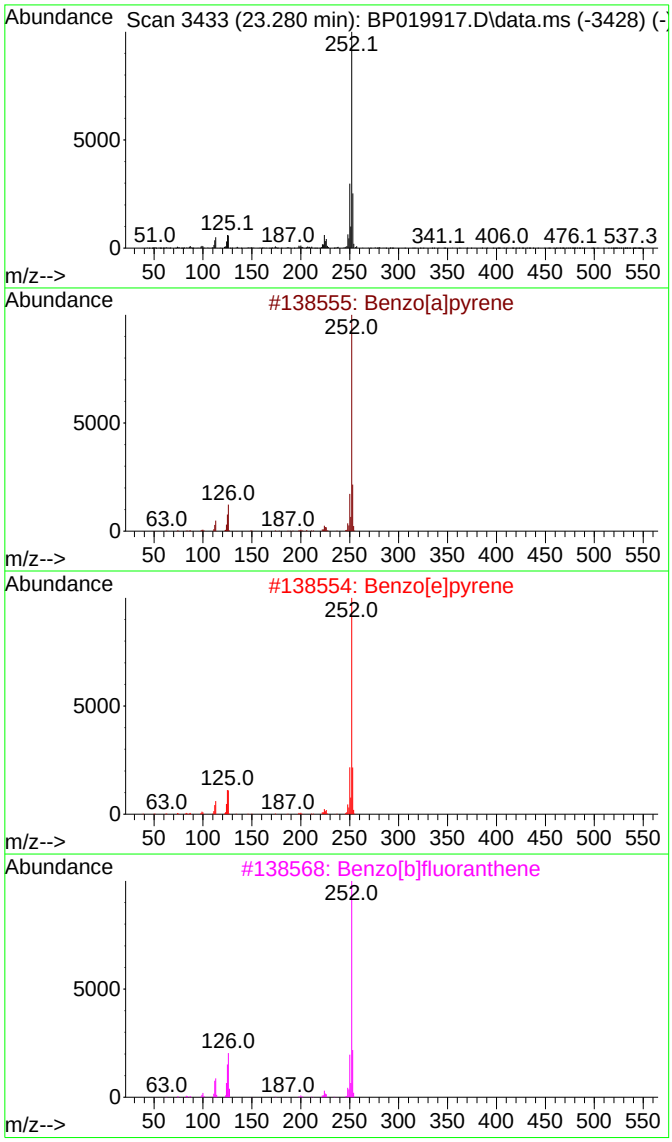
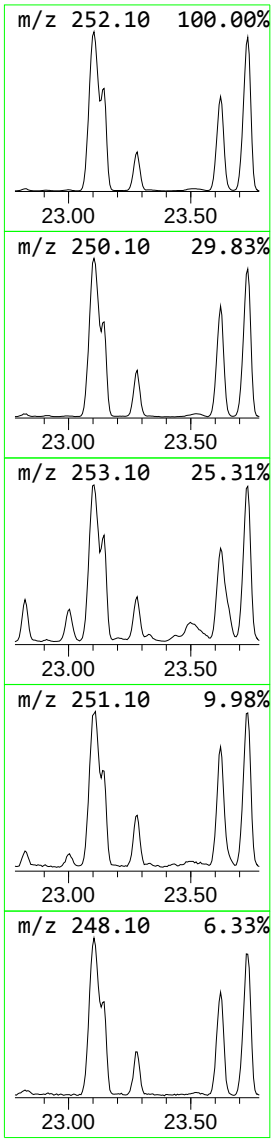
Peak Number 18 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.280	18.28 ng	1177250	Perylene-d12	23.833

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	87
2	Benzo[e]pyrene	252	C20H12	000192-97-2	87
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





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Data File : BP019917.D
Acq On : 28 Feb 2024 15:29
Operator : MA/JU
Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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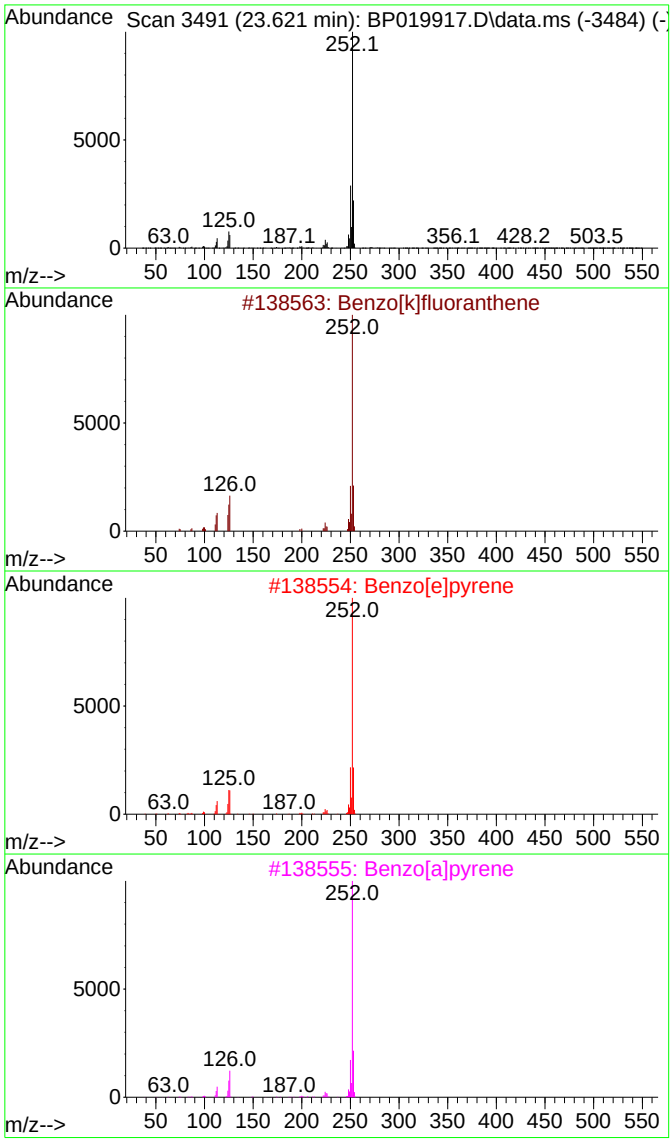
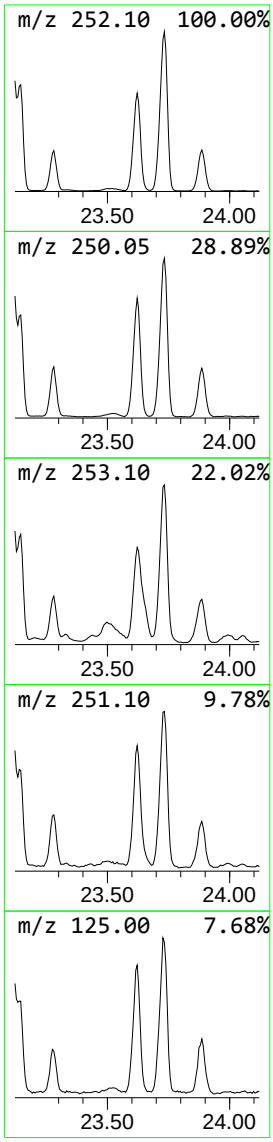
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.622	59.31 ng	3820690	Perylene-d12	23.833

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019917.D
Acq On : 28 Feb 2024 15:29
Operator : MA/JU
Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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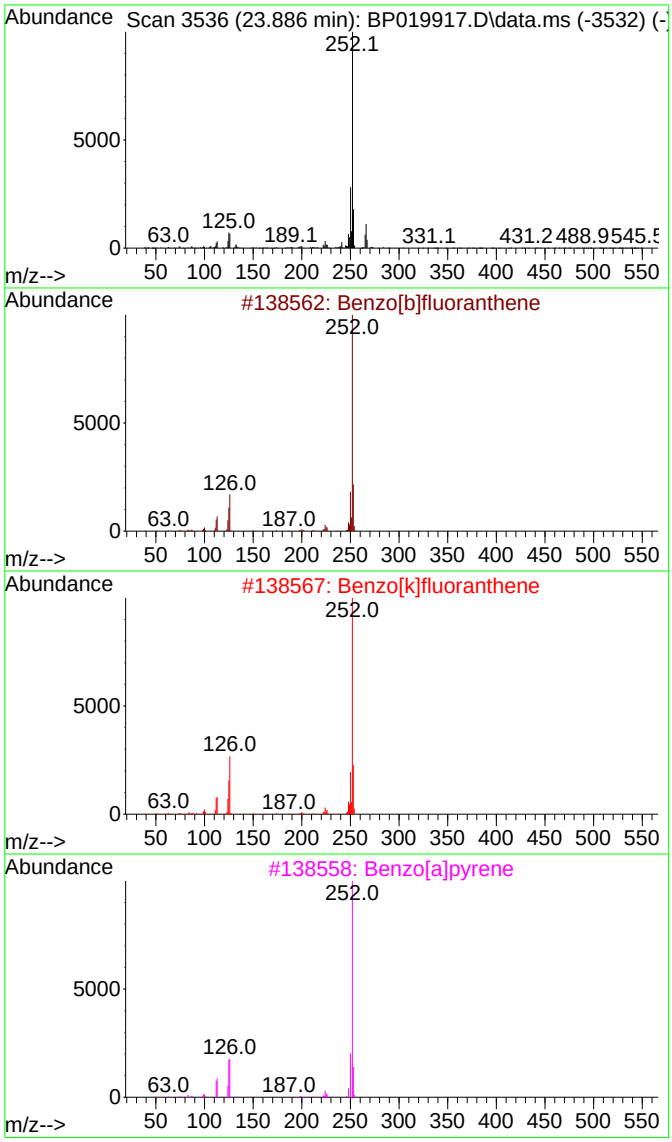
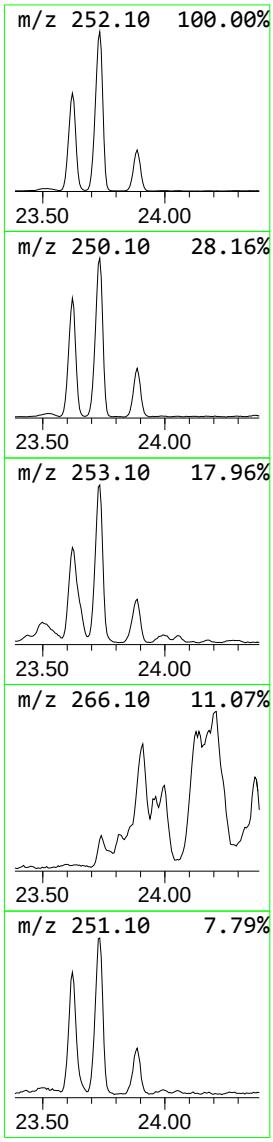
Peak Number 20 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.886	26.85 ng	1729390	Perylene-d12	23.833

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	86
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	83
3	Benzo[a]pyrene	252	C20H12	000050-32-8	64
4	Perylene	252	C20H12	000198-55-0	64
5	Benzo[e]pyrene	252	C20H12	000192-97-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019917.D
Acq On : 28 Feb 2024 15:29
Operator : MA/JU
Sample : P1602-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.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,...	13.857	9.2	ng	419738	3	14.534	913121	20.0
9H-Fluoren-3-ol	15.881	6.8	ng	309559	3	14.534	913121	20.0
1(2H)-Acenaphth...	16.275	5.8	ng	257488	4	17.298	883340	20.0
9H-Fluorene, 2-...	16.598	10.4	ng	461358	4	17.298	883340	20.0
9H-Fluoren-9-one	16.957	8.0	ng	353466	4	17.298	883340	20.0
Dibenzothiophene	17.116	14.1	ng	620923	4	17.298	883340	20.0
1-Methyldibenzo...	17.881	7.8	ng	345557	4	17.298	883340	20.0
Phenanthrene, 1...	18.169	28.9	ng	1278480	4	17.298	883340	20.0
1H-Indene, 2-ph...	18.216	47.9	ng	2116660	4	17.298	883340	20.0
1H-Cyclopropa[l...	18.292	15.7	ng	694871	4	17.298	883340	20.0
4H-Cyclopenta[d...	18.357	59.0	ng	2605680	4	17.298	883340	20.0
Phenanthrene, 2...	18.392	17.2	ng	761162	4	17.298	883340	20.0
5,16[1',2']:8,1...	18.657	17.2	ng	759997	4	17.298	883340	20.0
9,10-Anthracene...	18.704	14.8	ng	652998	4	17.298	883340	20.0
Phenanthrene, 3...	18.939	5.7	ng	253629	4	17.298	883340	20.0
Phenanthrene, 2...	19.057	21.9	ng	968519	4	17.298	883340	20.0
Cyclopenta(def)...	19.204	15.1	ng	664541	4	17.298	883340	20.0
Benzo[e]pyrene	23.280	18.3	ng	1177250	6	23.833	1288350	20.0
Benzo[j]fluoran...	23.622	59.3	ng	3820690	6	23.833	1288350	20.0
Perylene	23.886	26.9	ng	1729390	6	23.833	1288350	20.0