LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050125\
Data File : BP024502.D
Acq On : 01 May 2025 21:38
Operator : RC/JU
Sample : Q1912-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

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-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024502.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.334	375	382	399	rBV	2462972	3458768	19.41%	1.263%
2	6.905	638	649	665	rBV	2425049	4095686	22.98%	1.496%
3	7.711	778	786	794	rBV	851804	1328851	7.46%	0.485%
4	8.863	974	982	989	rBV	1514679	2579372	14.47%	0.942%
5	10.487	1248	1258	1262	rBV	1201360	2050979	11.51%	0.749%
6	12.146	1531	1540	1549	rVV	1260697	2081243	11.68%	0.760%
7	12.369	1566	1578	1589	rVB	1757024	2794925	15.68%	1.021%
8	12.963	1671	1679	1688	rBV	4302013	6373138	35.76%	2.328%
9	13.499	1763	1770	1771	rBV	1080700	1501349	8.42%	0.548%
10	13.663	1791	1798	1803	rBV	2104023	3581876	20.10%	1.308%
11	13.716	1803	1807	1814	rVV	1436979	2043596	11.47%	0.747%
12	13.904	1831	1839	1842	rBV	902450	1464310	8.22%	0.535%
13	14.063	1857	1866	1880	rBV	1379055	2139283	12.00%	0.781%
14	14.351	1905	1915	1920	rVV	2118020	3244131	18.20%	1.185%
15	14.410	1920	1925	1933	rVV	1112803	1763258	9.89%	0.644%
16	14.563	1944	1951	1960	rBV3	483512	1226164	6.88%	0.448%
17	14.757	1972	1984	1991	rVV	1173430	2211240	12.41%	0.808%
18	14.828	1991	1996	2002	rVB	1009019	1402612	7.87%	0.512%
19	14.981	2015	2022	2027	rBV	781547	1428894	8.02%	0.522%
20	15.034	2027	2031	2036	rVB	758614	923244	5.18%	0.337%
21	15.151	2042	2051	2054	rBV	499915	1182189	6.63%	0.432%
22	15.328	2077	2081	2086	rVV3	326400	575384	3.23%	0.210%
23	15.416	2090	2096	2100	rVV2	2255207	3220060	18.07%	1.176%
24	15.545	2114	2118	2121	rVV2	438673	673827	3.78%	0.246%
25	15.587	2121	2125	2129	rVB4	393740	594851	3.34%	0.217%
26	15.634	2129	2133	2137	rBV2	415988	704703	3.95%	0.257%
27	15.710	2141	2146	2149	rVV2	448589	787414	4.42%	0.288%
28	15.740	2149	2151	2157	rVB2	698148	813038	4.56%	0.297%
29	15.875	2165	2174	2181	rVB	5016706	7063756	39.64%	2.580%
30	16.110	2207	2214	2226	rVB3	662045	1410568	7.92%	0.515%
31	16.440	2262	2270	2275	rBV3	970733	1941892	10.90%	0.709%
32	16.492	2275	2279	2285	rVV2	769435	1087158	6.10%	0.397%
33	16.598	2292	2297	2301	rVB2	550133	869025	4.88%	0.317%
34	16.716	2314	2317	2326	rVB3	363192	562330	3.16%	0.205%
35	16.798	2326	2331	2339	rVB3	597946	1011464	5.68%	0.369%
36	16.969	2354	2360	2368	rVB	1595352	2694657	15.12%	0.984%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050125\
Data File : BP024502.D
Acq On : 01 May 2025 21:38
Operator : RC/JU
Sample : Q1912-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

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-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.151	2385	2391	2395	rBV	1832552	3096411	17.38%	1.131%
38	17.204	2395	2400	2406	rVB	10246835	14659256	82.26%	5.355%
39	17.292	2411	2415	2420	rVV	2294333	2887129	16.20%	1.055%
40	17.351	2420	2425	2431	rVV2	549919	1124891	6.31%	0.411%
41	17.575	2458	2463	2466	rBV4	342870	605581	3.40%	0.221%
42	17.692	2478	2483	2486	rVB2	438464	634860	3.56%	0.232%
43	17.751	2486	2493	2500	rVB	1503161	2420966	13.59%	0.884%
44	17.910	2515	2520	2526	rVB	1093196	1984857	11.14%	0.725%
45	18.057	2539	2545	2549	rVV	3533009	5861214	32.89%	2.141%
46	18.110	2549	2554	2561	rVB	4529135	7406642	41.56%	2.706%
47	18.198	2564	2569	2574	rVV	1074442	1687264	9.47%	0.616%
48	18.263	2574	2580	2584	rVV2	4458186	7917265	44.43%	2.892%
49	18.304	2584	2587	2593	rVB	2680470	3420178	19.19%	1.249%
50	18.469	2611	2615	2620	rVB	675162	1022928	5.74%	0.374%
51	18.581	2629	2634	2637	rBV	1642592	2086592	11.71%	0.762%
52	18.628	2637	2642	2651	rVB2	1401894	2597393	14.58%	0.949%
53	18.745	2658	2662	2668	rVB	347370	678602	3.81%	0.248%
54	18.804	2668	2672	2675	rBV	611130	890115	4.99%	0.325%
55	18.839	2675	2678	2682	rVB	860606	1007551	5.65%	0.368%
56	18.886	2682	2686	2690	rBV	1405613	1663987	9.34%	0.608%
57	18.928	2690	2693	2697	rVB2	1273228	1582999	8.88%	0.578%
58	19.010	2701	2707	2712	rBV	3376364	5127570	28.77%	1.873%
59	19.069	2712	2717	2722	rVB3	1167289	2430910	13.64%	0.888%
60	19.116	2722	2725	2728	rVB	960095	1037010	5.82%	0.379%
61	19.163	2728	2733	2740	rBV2	1371552	3048181	17.11%	1.113%
62	19.216	2740	2742	2746	rVB	521408	603416	3.39%	0.220%
63	19.286	2749	2754	2760	rVB	7283610	10515531	59.01%	3.841%
64	19.351	2761	2765	2769	rBV2	559888	1038103	5.83%	0.379%
65	19.434	2776	2779	2785	rVB2	344870	561685	3.15%	0.205%
66	19.539	2793	2797	2800	rVV2	917025	1299080	7.29%	0.475%
67	19.575	2800	2803	2807	rVB2	661986	771744	4.33%	0.282%
68	19.669	2809	2819	2827	rBV	10405292	17820250	100.00%	6.510%
69	19.757	2827	2834	2839	rVB2	1121602	2114533	11.87%	0.772%
70	19.839	2839	2848	2849	rBV3	570353	1298829	7.29%	0.474%
71	19.875	2849	2854	2867	rVB	6053946	10375753	58.22%	3.790%
72	20.004	2870	2876	2888	rBV3	1592397	3892845	21.85%	1.422%
73	20.098	2888	2892	2896	rBV3	676210	939405	5.27%	0.343%
74	20.145	2896	2900	2902	rBV3	1129824	1552695	8.71%	0.567%
75	20.181	2904	2906	2910	rVB	1770161	2184061	12.26%	0.798%
76	20.286	2920	2924	2928	rVB2	1123527	1411547	7.92%	0.516%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050125\
Data File : BP024502.D
Acq On : 01 May 2025 21:38
Operator : RC/JU
Sample : Q1912-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : MH-F

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-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.345	2929	2934	2940	rBV	2569043	3704139	20.79%	1.353%
78	20.492	2954	2959	2963	rBV	1828720	2661824	14.94%	0.972%
79	20.539	2963	2967	2971	rVB	1833373	2271190	12.74%	0.830%
80	20.975	3038	3041	3048	rVB	959904	1676547	9.41%	0.612%
81	21.080	3056	3059	3063	rVB	569535	697273	3.91%	0.255%
82	21.169	3066	3074	3078	rBV2	1554339	3111437	17.46%	1.137%
83	21.210	3078	3081	3085	rVB	842673	1066258	5.98%	0.390%
84	21.269	3085	3091	3094	rBV3	822073	1552747	8.71%	0.567%
85	21.586	3139	3145	3152	rBV2	4059852	10000042	56.12%	3.653%
86	21.657	3152	3157	3167	rVB	3021202	5849132	32.82%	2.137%
87	21.763	3171	3175	3180	rBV	653259	982046	5.51%	0.359%
88	21.892	3192	3197	3208	rVB3	765177	2050246	11.51%	0.749%
89	22.104	3228	3233	3238	rVB4	438452	904185	5.07%	0.330%
90	22.375	3270	3279	3285	rVV	1657301	3389297	19.02%	1.238%
91	22.445	3287	3291	3296	rVB	938093	1395272	7.83%	0.510%
92	22.657	3323	3327	3331	rVB2	624749	935156	5.25%	0.342%
93	23.351	3440	3445	3453	rVB	474544	1001301	5.62%	0.366%
94	23.910	3532	3540	3548	rBV2	1893410	6472488	36.32%	2.364%
95	24.174	3579	3585	3593	rVB	478587	1010870	5.67%	0.369%
96	24.651	3658	3666	3674	rVB	1647089	3795996	21.30%	1.387%
97	24.810	3683	3693	3709	rVB	1991442	6030556	33.84%	2.203%
98	24.969	3713	3720	3727	rBV2	905443	2279657	12.79%	0.833%
99	28.768	4359	4366	4367	rBV	617686	1014157	5.69%	0.370%
100	29.962	4557	4569	4583	rVB2	801989	3752924	21.06%	1.371%

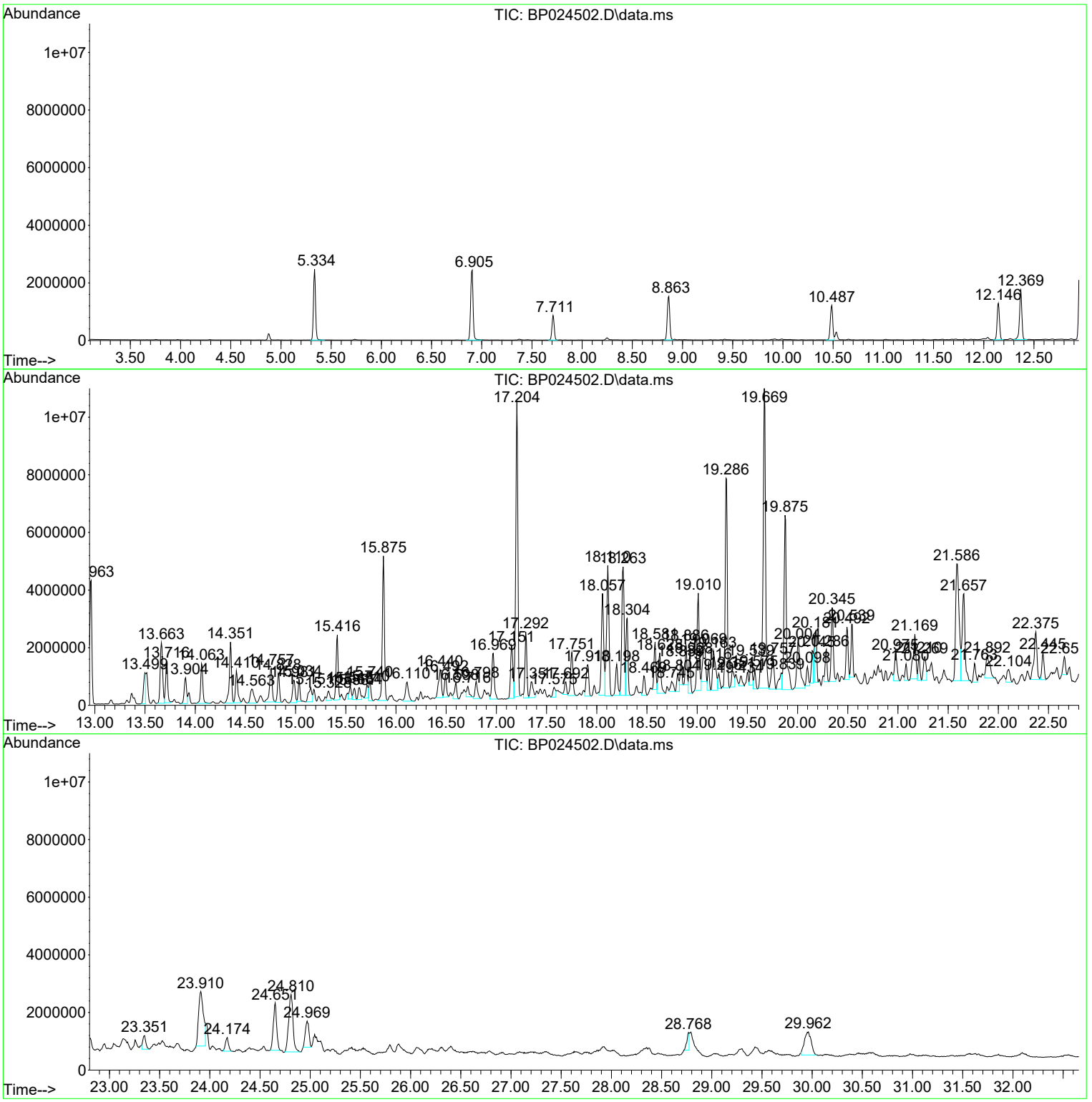
Sum of corrected areas: 273749804

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050125\
Data File : BP024502.D
Acq On : 01 May 2025 21:38
Operator : RC/JU
Sample : Q1912-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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\BP050125\
Data File : BP024502.D
Acq On : 01 May 2025 21:38
Operator : RC/JU
Sample : Q1912-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

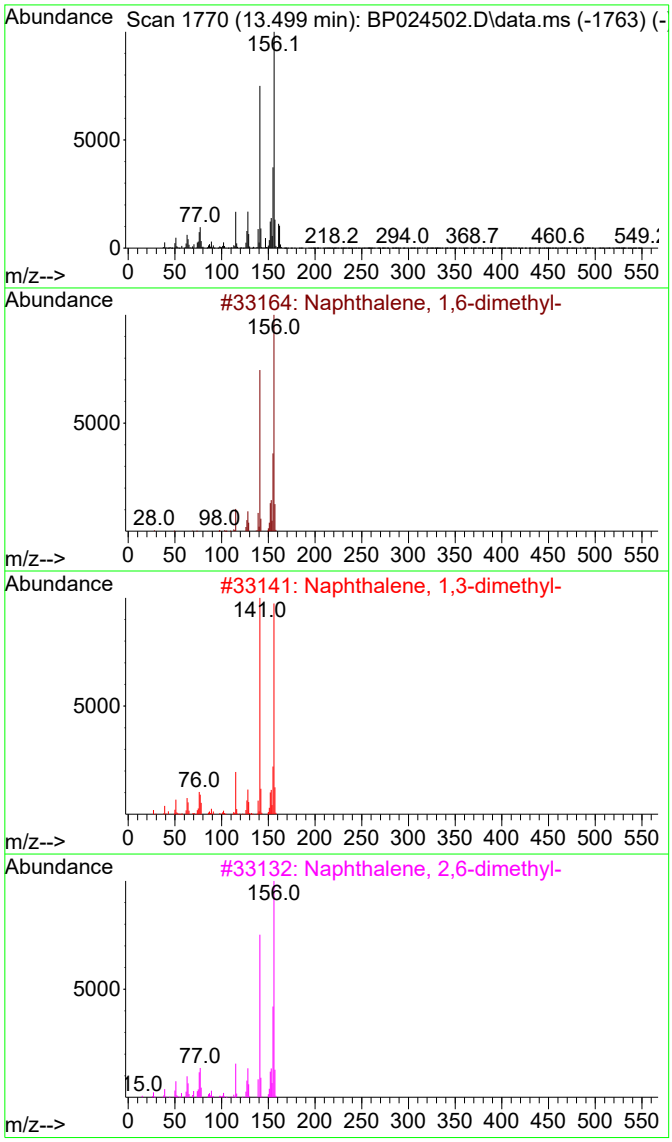
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

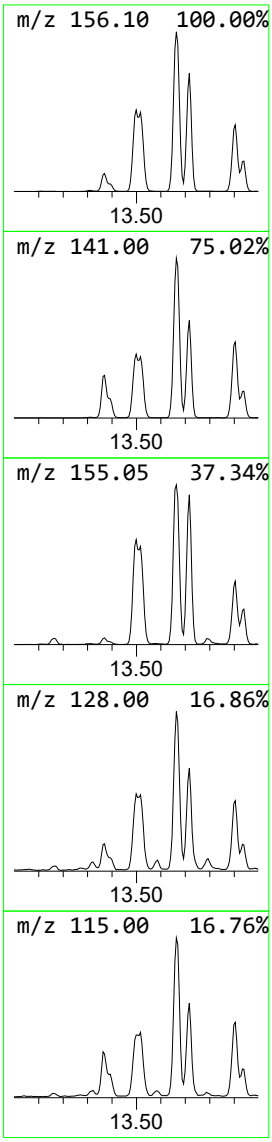
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.499	9.26 ng	1501350	Acenaphthene-d10	14.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050125\
Data File : BP024502.D
Acq On : 01 May 2025 21:38
Operator : RC/JU
Sample : Q1912-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

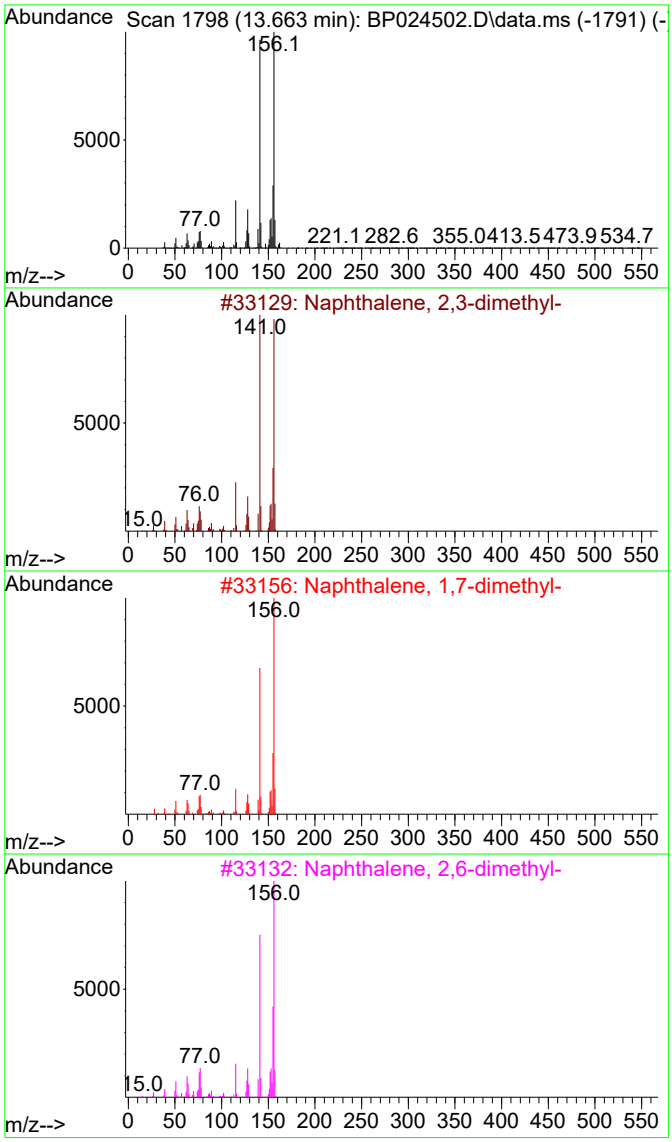
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

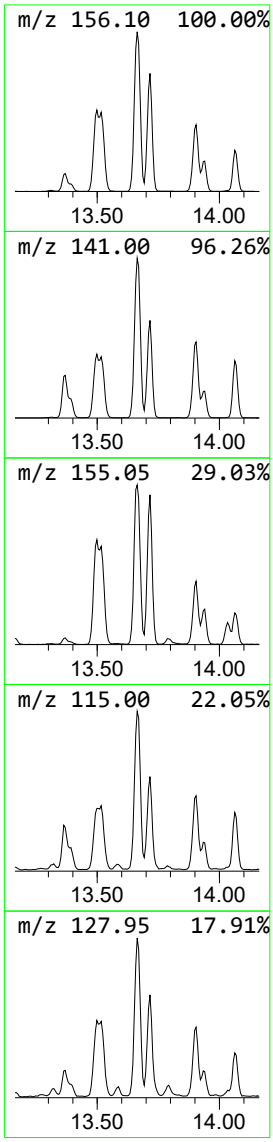
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.663	22.08 ng	3581880	Acenaphthene-d10	14.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050125\
Data File : BP024502.D
Acq On : 01 May 2025 21:38
Operator : RC/JU
Sample : Q1912-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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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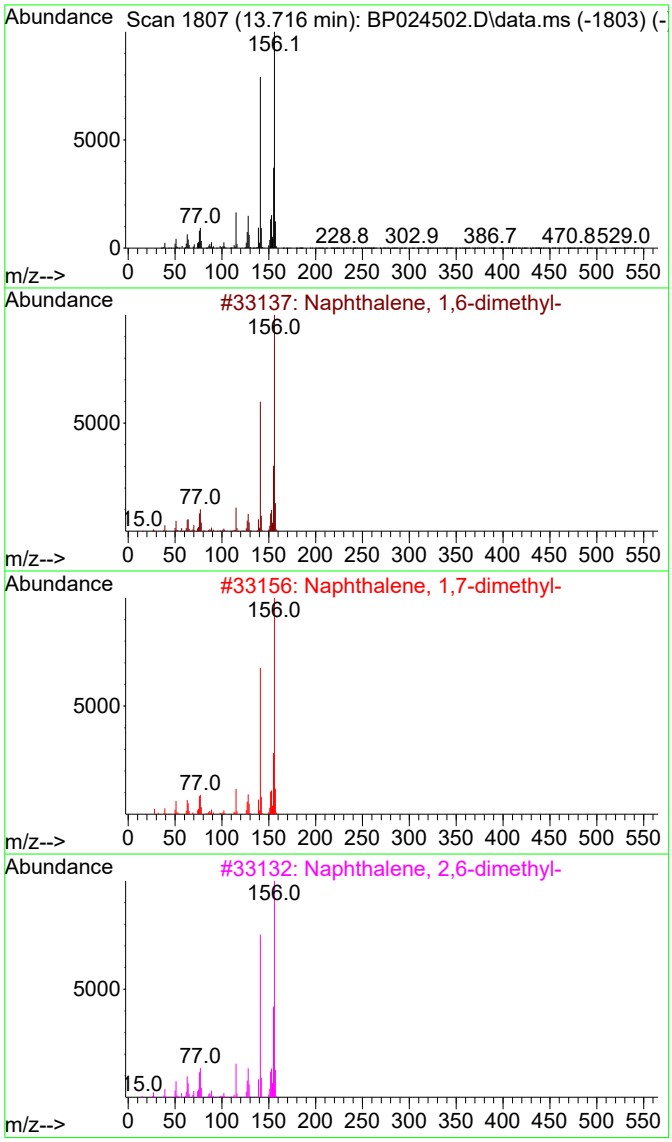
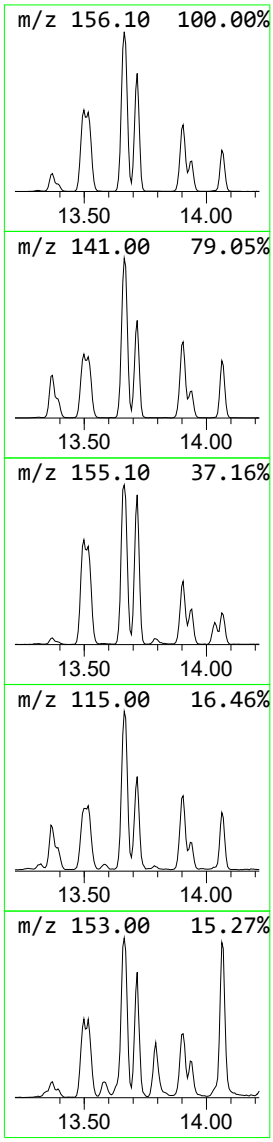
Peak Number 3 Naphthalene, 1,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.716	12.60 ng	2043600	Acenaphthene-d10	14.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050125\
Data File : BP024502.D
Acq On : 01 May 2025 21:38
Operator : RC/JU
Sample : Q1912-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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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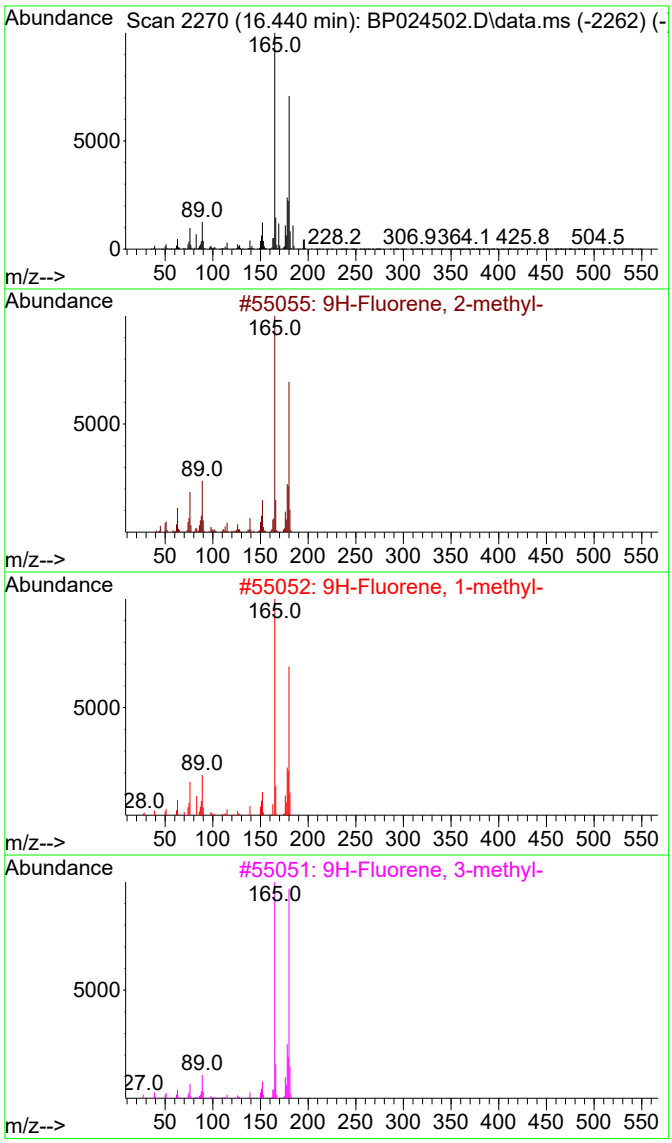
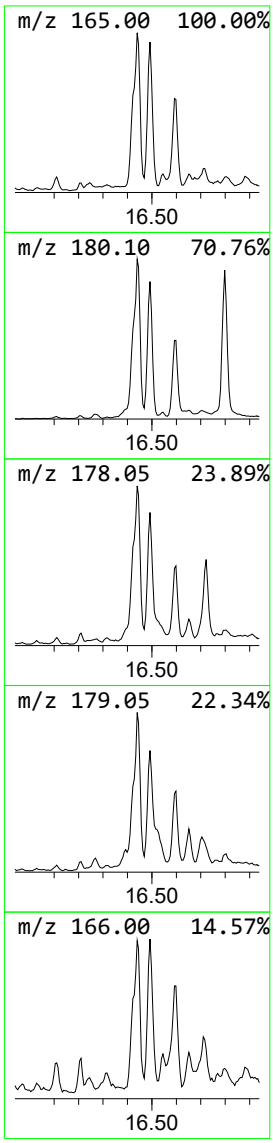
Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.440	12.54 ng	1941890	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050125\
Data File : BP024502.D
Acq On : 01 May 2025 21:38
Operator : RC/JU
Sample : Q1912-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

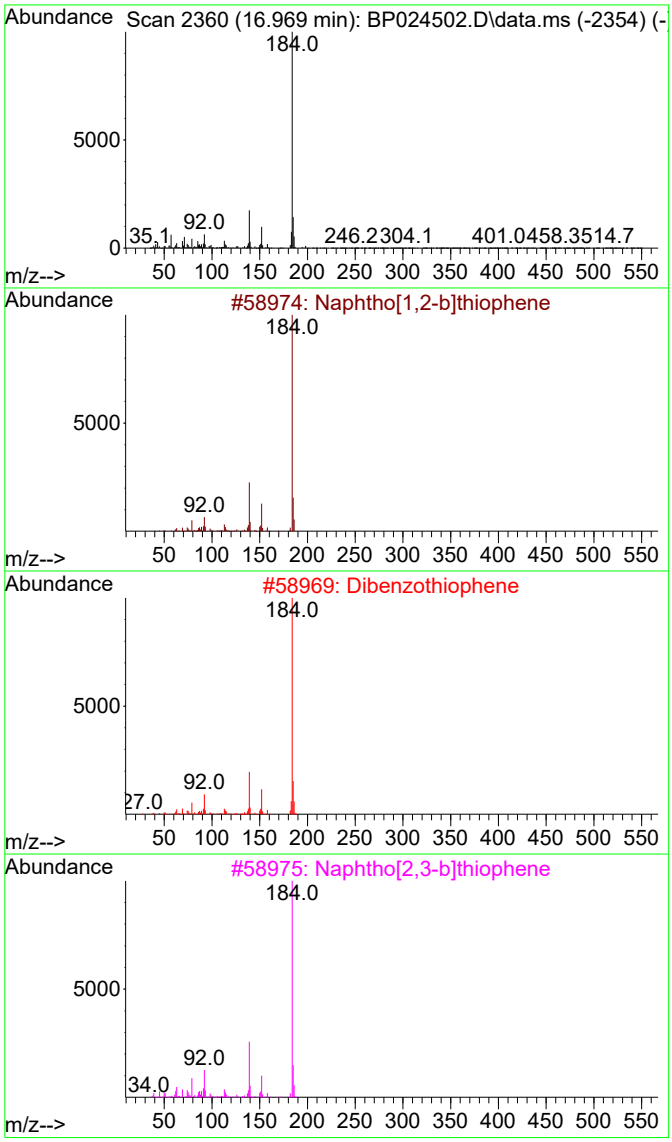
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

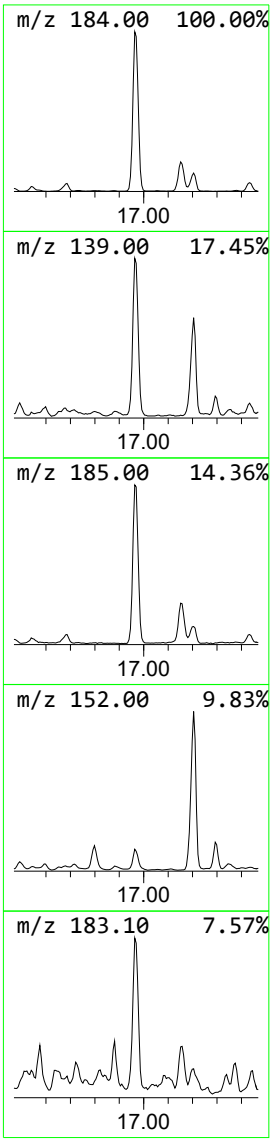
****

Peak Number 5 Naphtho[1,2-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.969	17.41 ng	2694660	Phenanthrene-d10	17.151

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





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Acq On : 01 May 2025 21:38
Operator : RC/JU
Sample : Q1912-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MH-F

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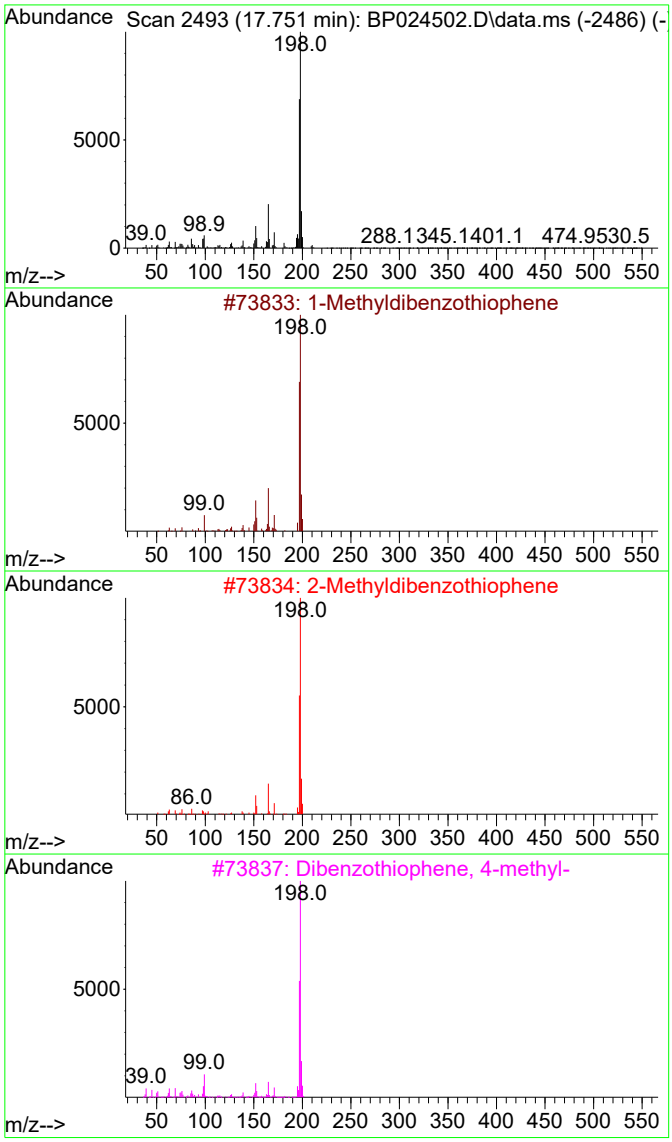
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

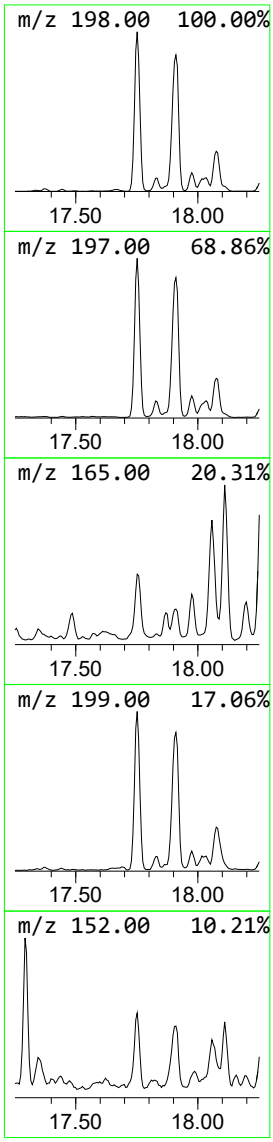
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1-Methyldibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.751	15.64 ng	2420970	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	96
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	95
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
5	Thioxanthene	198	C13H10S	000261-31-4	86





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Sample : Q1912-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

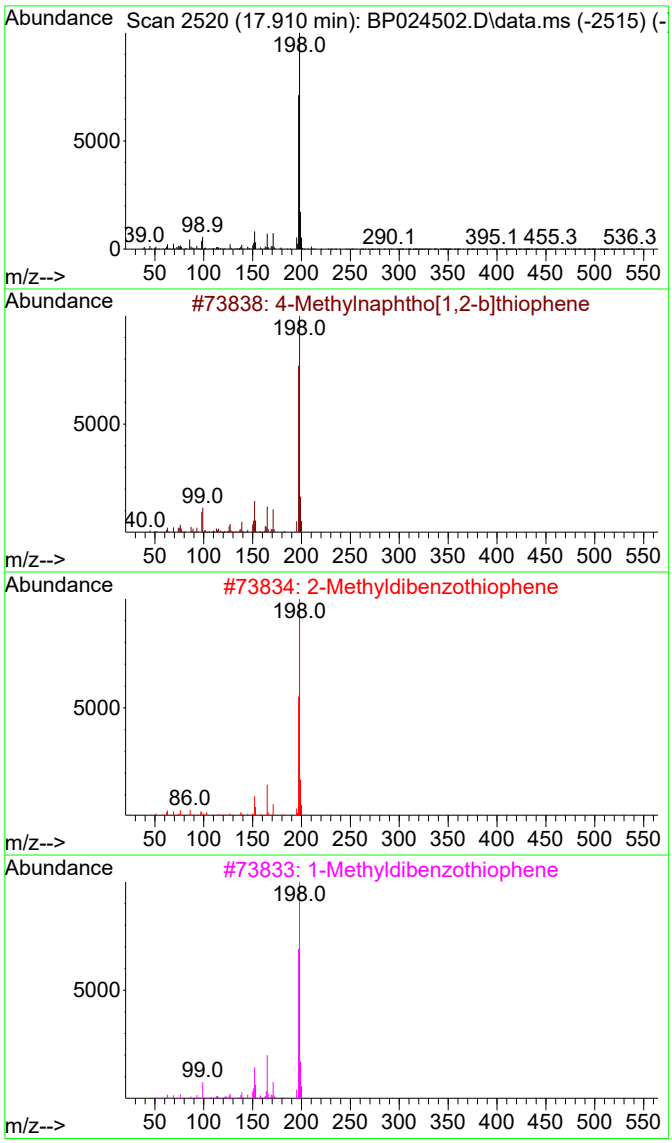
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

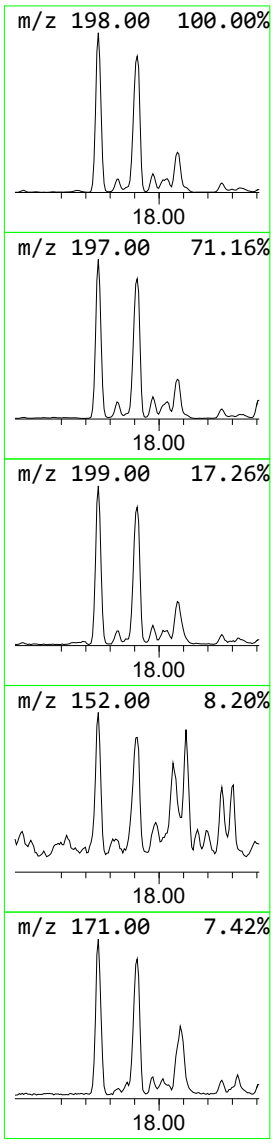
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.910	12.82 ng	1984860	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	97
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	94
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	91
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	86





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ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

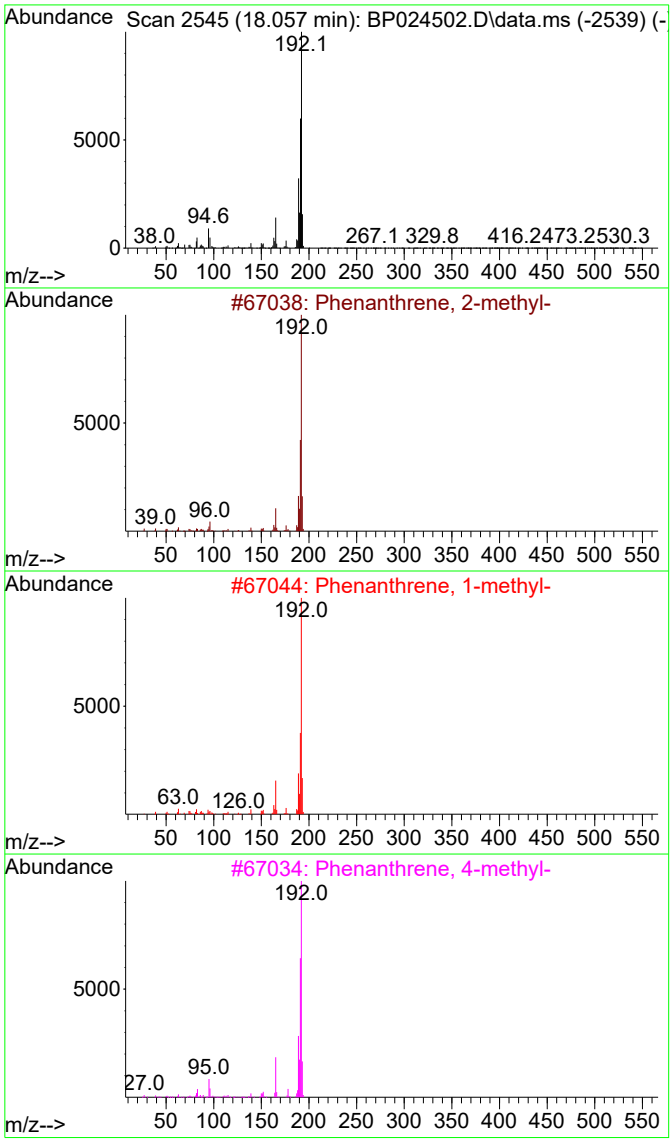
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

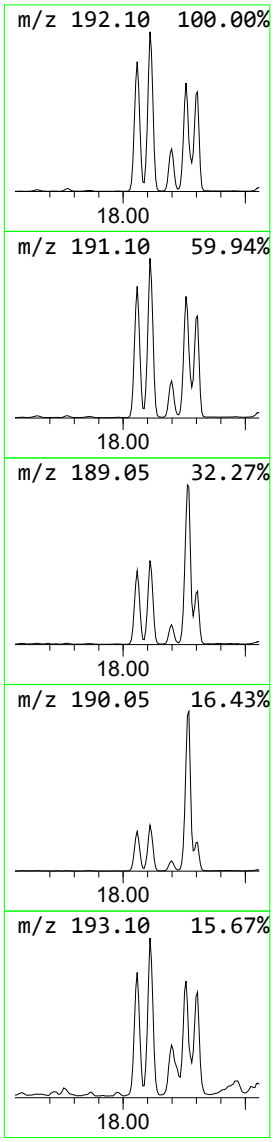
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.057	37.86 ng	5861210	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Operator : RC/JU
Sample : Q1912-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

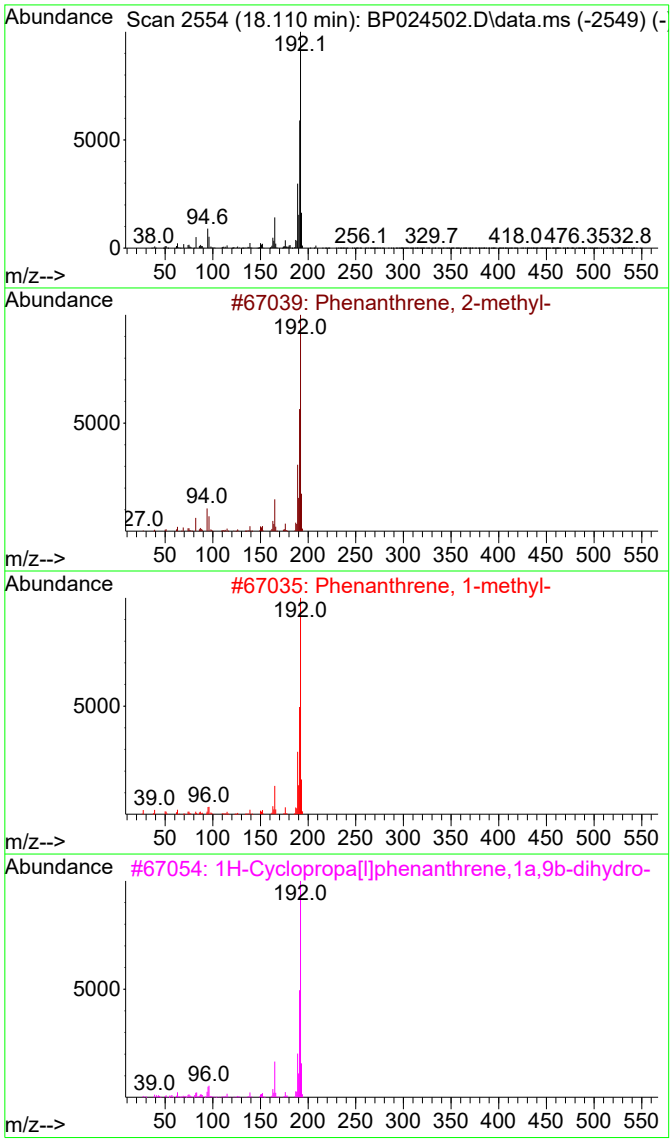
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

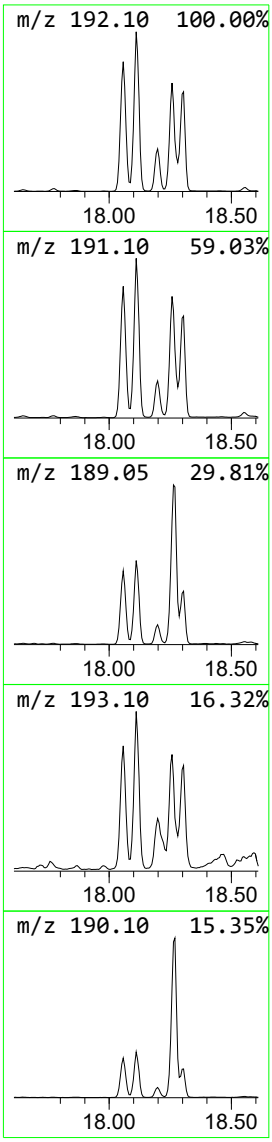
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.110	47.84 ng	7406640	Phenanthrene-d10	17.151

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-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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ALS Vial : 18 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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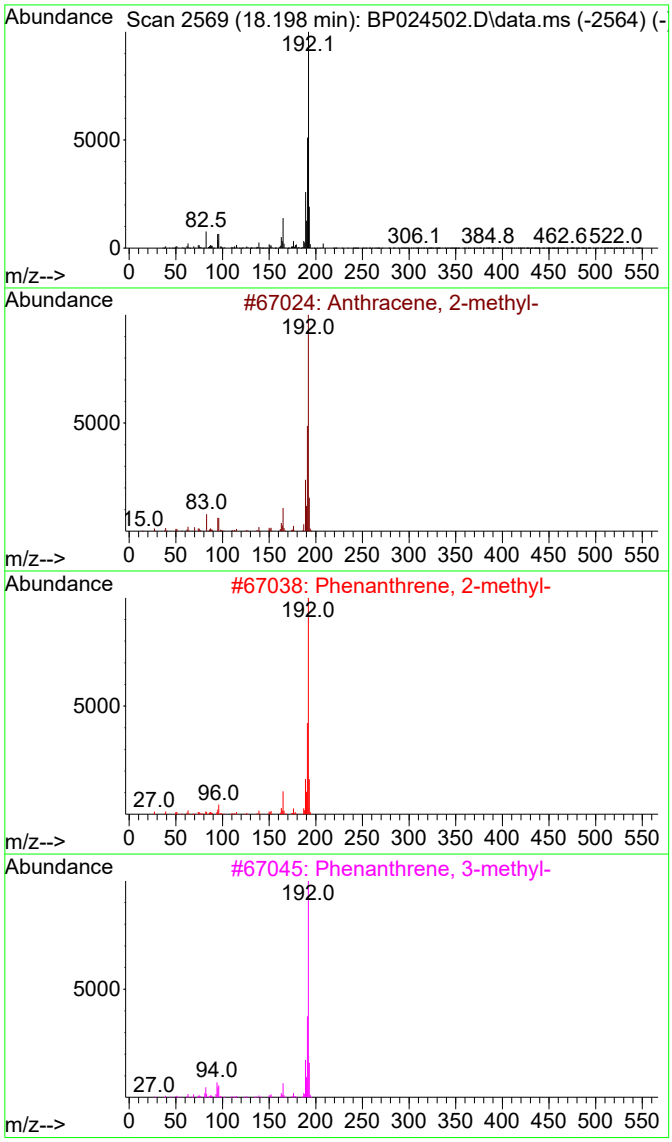
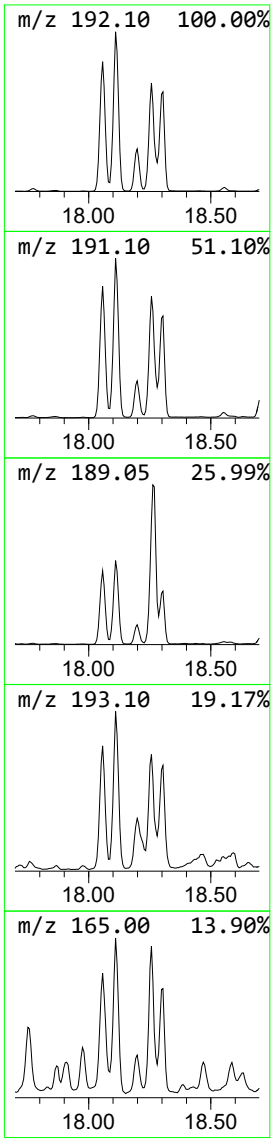
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.198	10.90 ng	1687260	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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MH-F

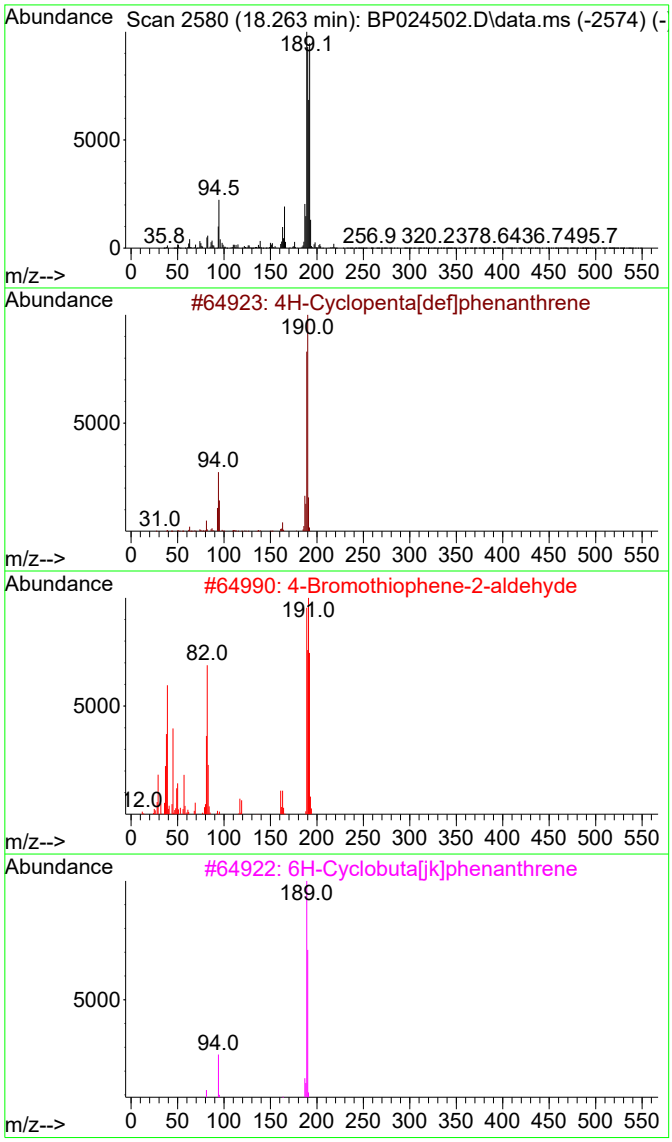
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

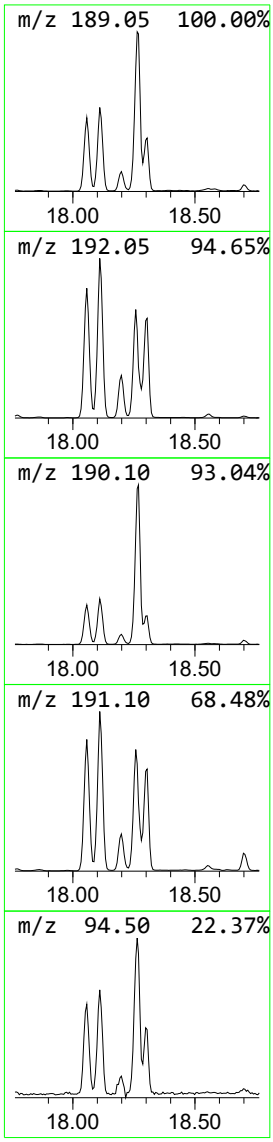
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.263	51.14 ng	7917270	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	58
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46





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Operator : RC/JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MH-F

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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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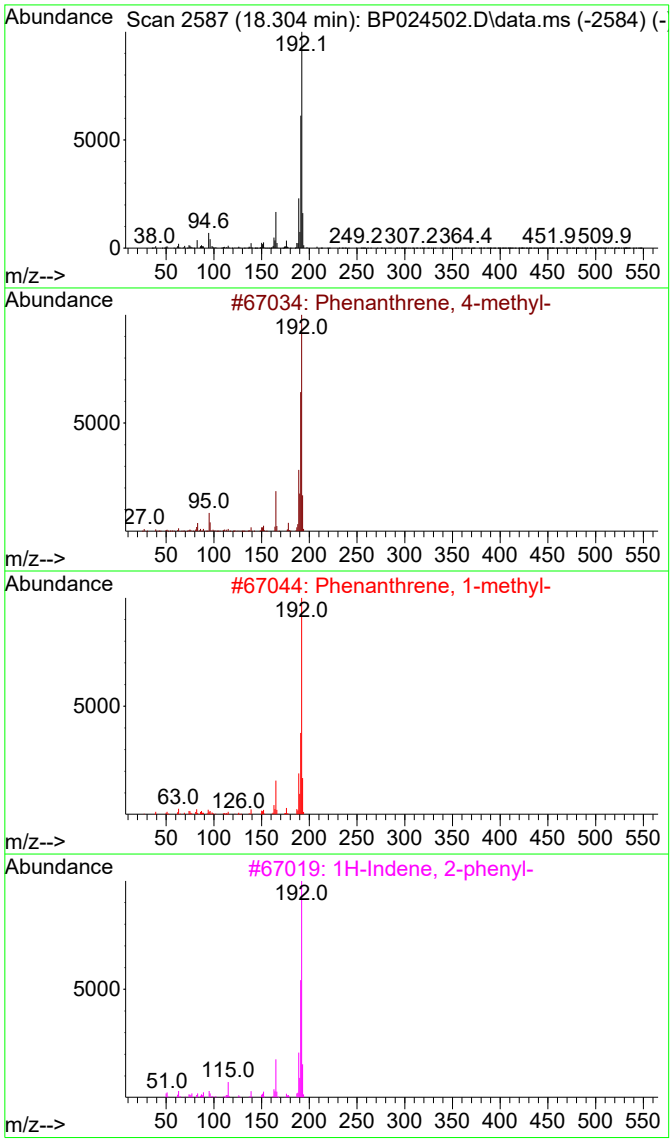
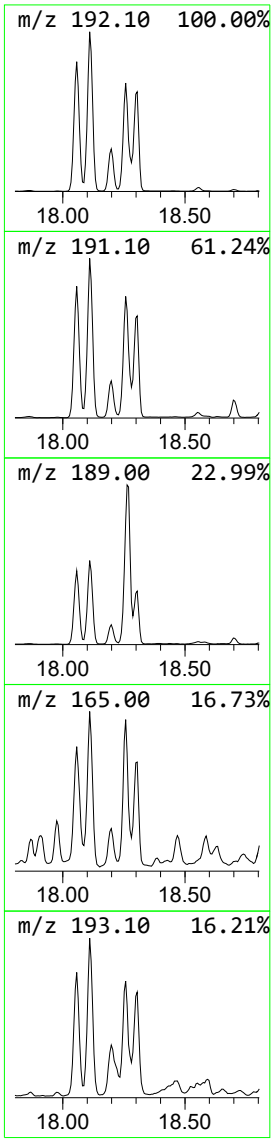
Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.304	22.09 ng	3420180	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Misc :
ALS Vial : 18 Sample Multiplier: 1

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

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

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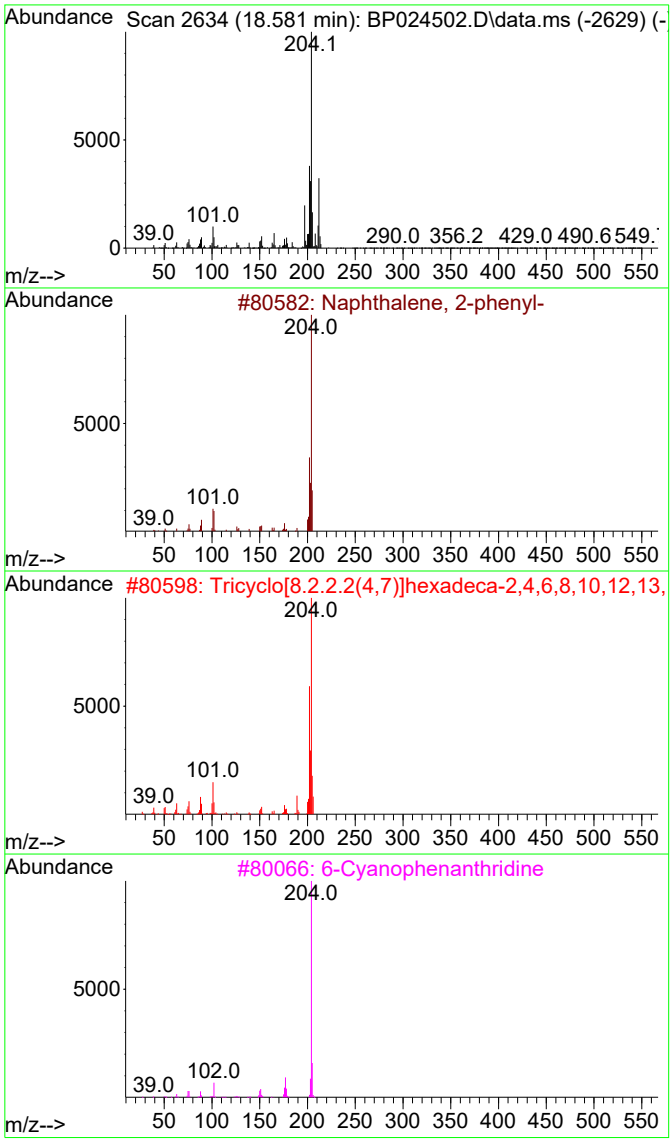
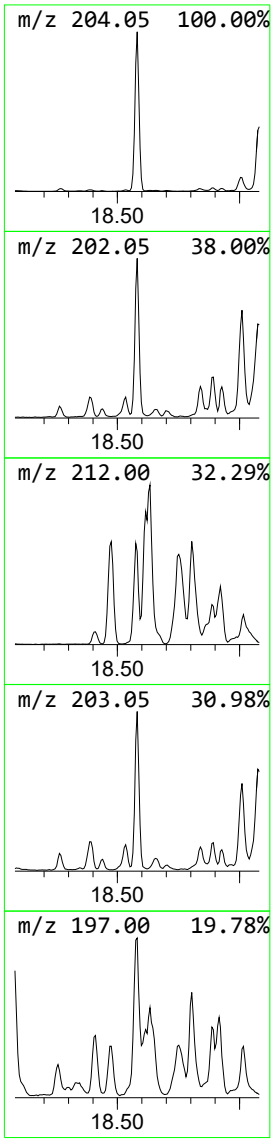
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.581	13.48 ng	2086590	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
3	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	46
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	45
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	43





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

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

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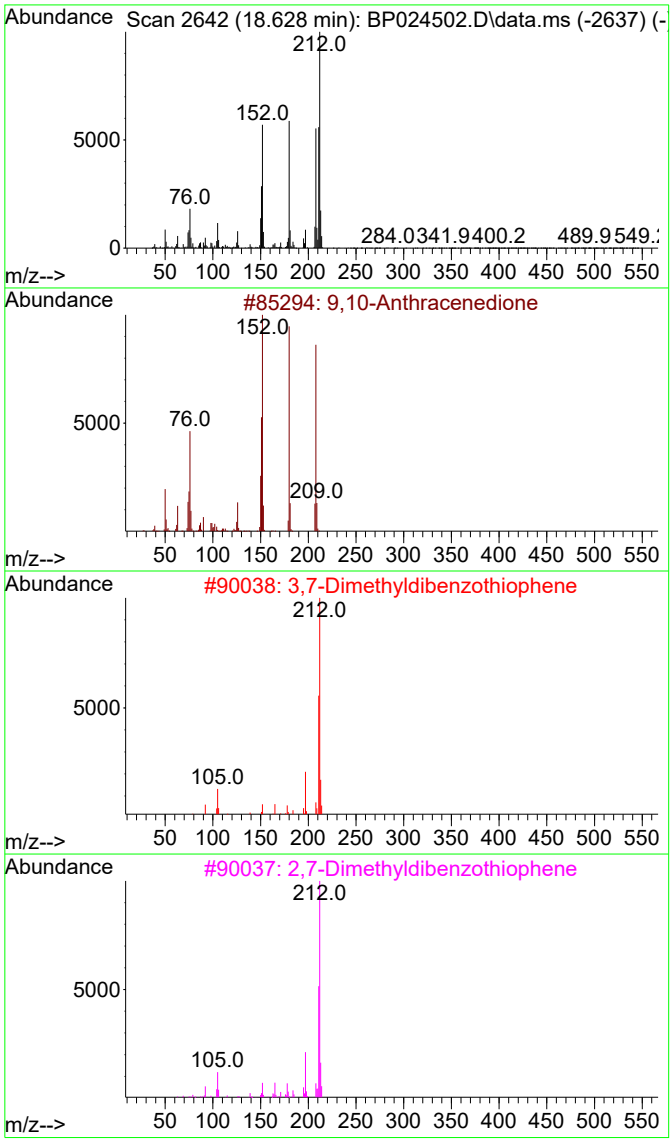
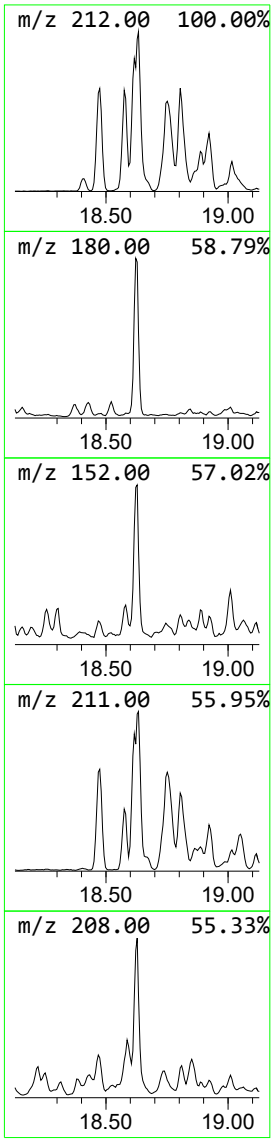
Peak Number 14 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.628	16.78 ng	2597390	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
2	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	64
3	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	64
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	51
5	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	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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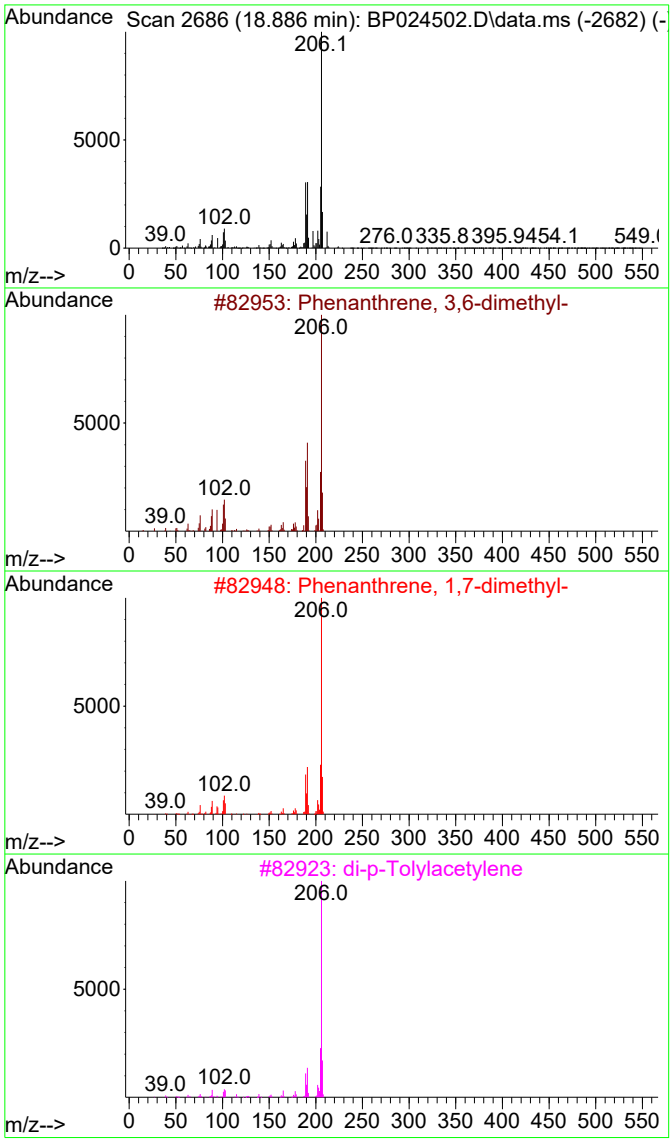
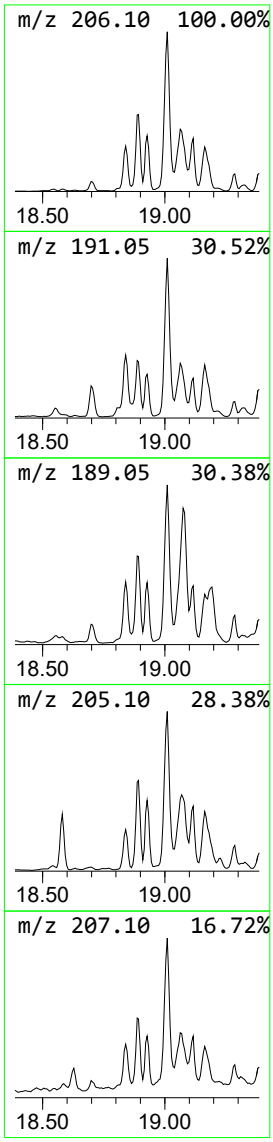
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.887	10.75 ng	1663990	Phenanthrene-d10	17.151

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	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	68





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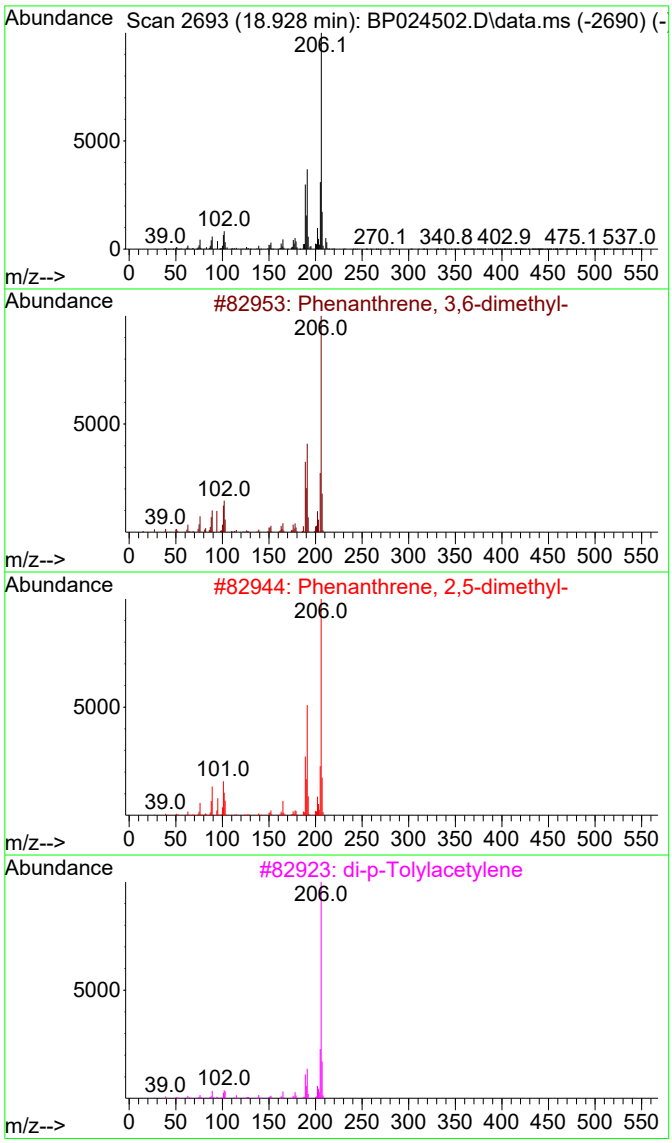
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

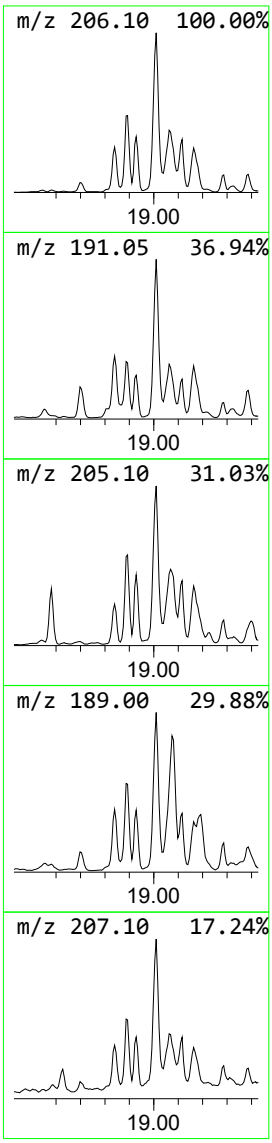
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.928	10.22 ng	1583000	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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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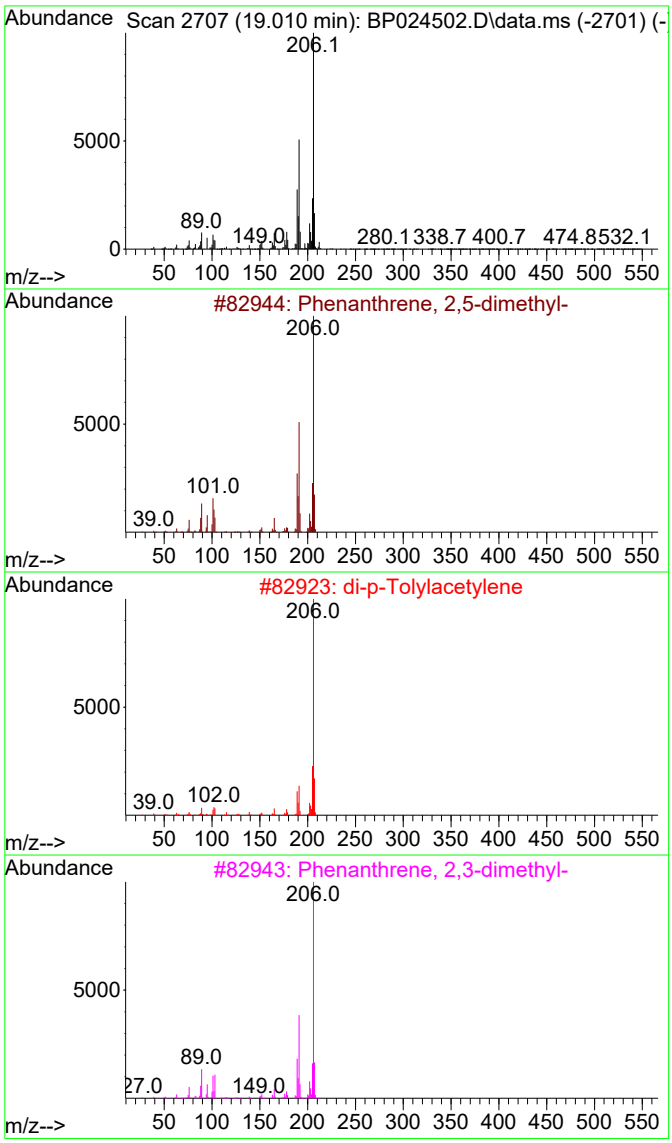
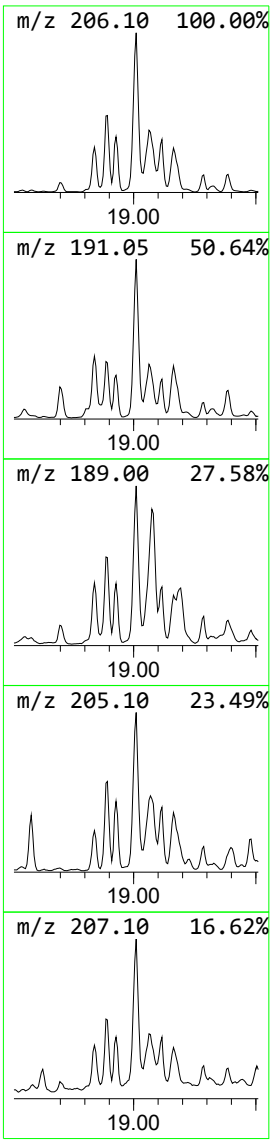
Peak Number 17 di-p-Tolylacetylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.010	33.12 ng	5127570	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050125\
Data File : BP024502.D
Acq On : 01 May 2025 21:38
Operator : RC/JU
Sample : Q1912-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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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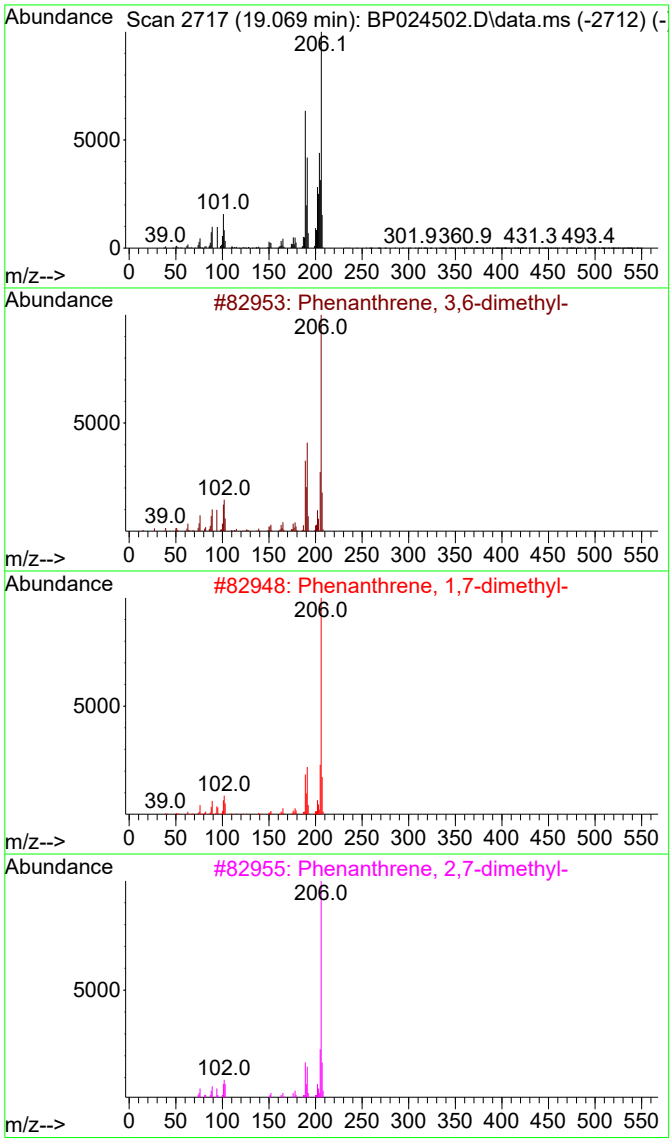
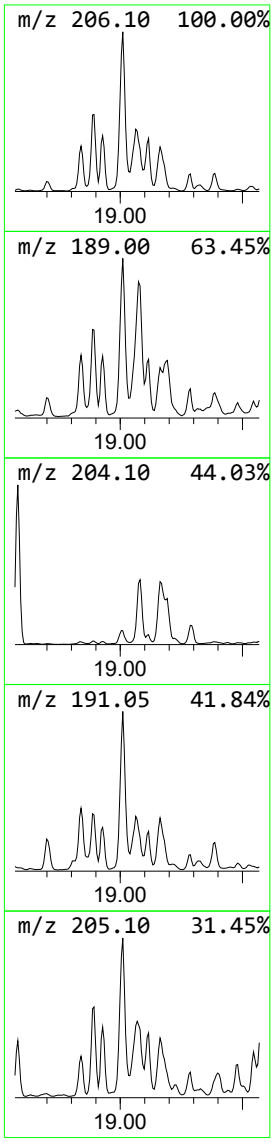
Peak Number 18 Phenanthrene, 1,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.069	15.70 ng	2430910	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	62
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	58
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55





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Data File : BP024502.D
Acq On : 01 May 2025 21:38
Operator : RC/JU
Sample : Q1912-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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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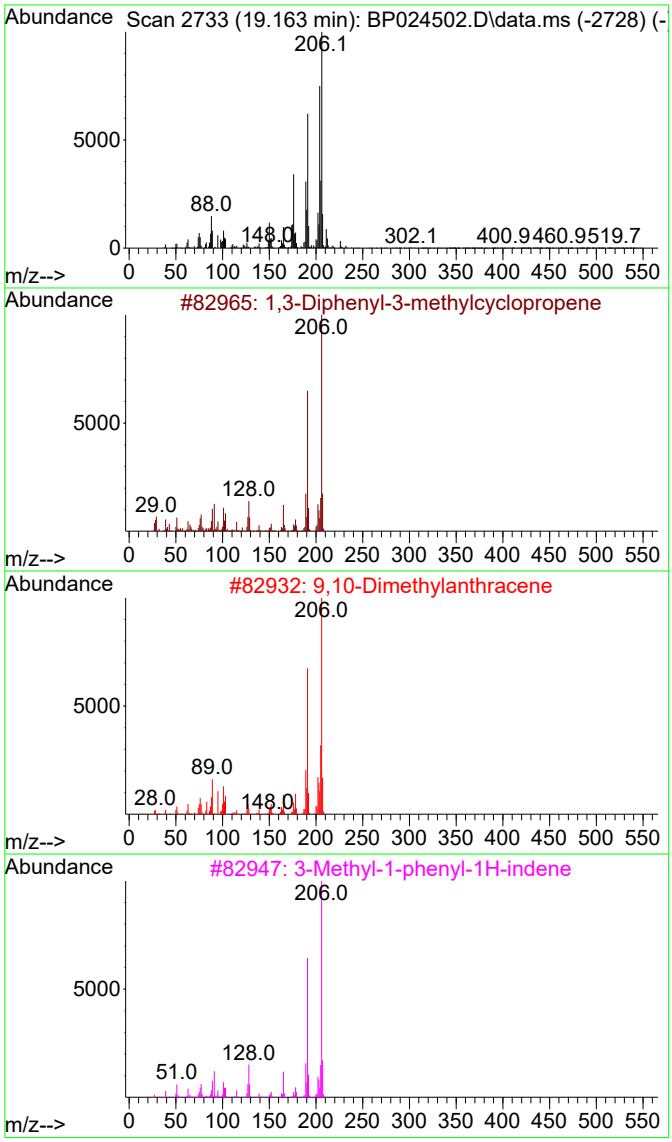
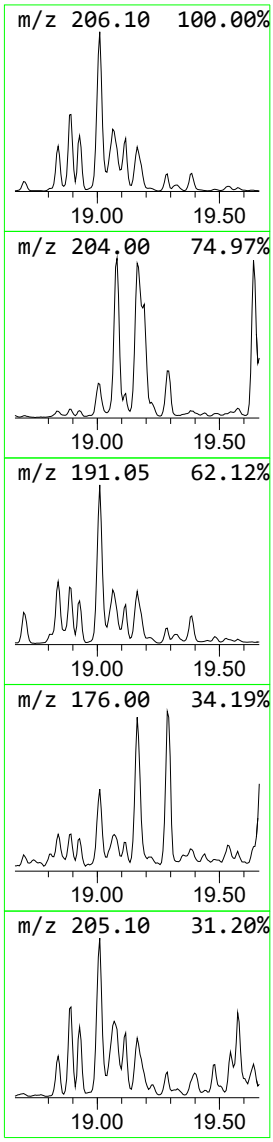
Peak Number 19 1,3-Diphenyl-3-methylcyclop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.163	19.69 ng	3048180	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	92
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	78
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	78
5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050125\
Data File : BP024502.D
Acq On : 01 May 2025 21:38
Operator : RC/JU
Sample : Q1912-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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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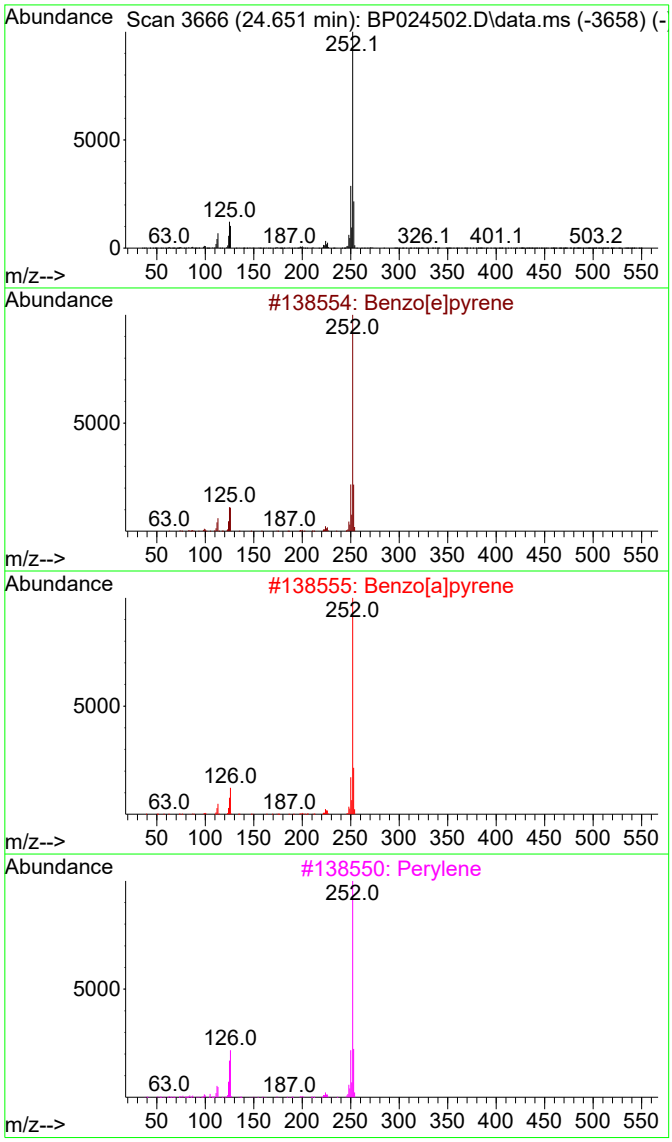
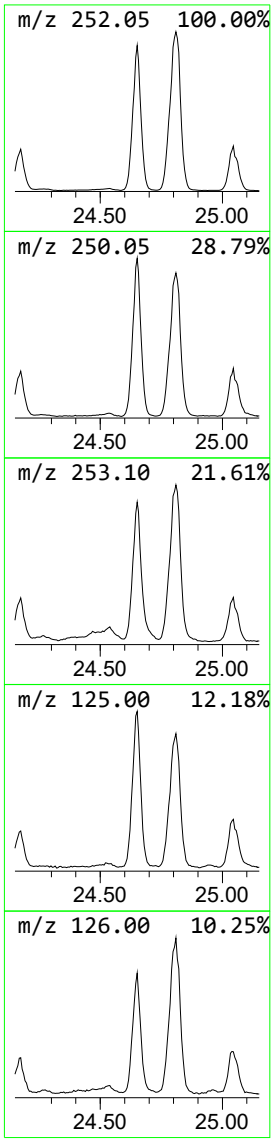
Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.651	33.30 ng	3796000	Perylene-d12	24.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050125\
Data File : BP024502.D
Acq On : 01 May 2025 21:38
Operator : RC/JU
Sample : Q1912-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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,...	13.499	9.3	ng	1501350	3	14.351	3244130	20.0
Naphthalene, 2,...	13.663	22.1	ng	3581880	3	14.351	3244130	20.0
Naphthalene, 1,...	13.716	12.6	ng	2043600	3	14.351	3244130	20.0
9H-Fluorene, 2-...	16.440	12.5	ng	1941890	4	17.151	3096410	20.0
Naphtho[1,2-b]t...	16.969	17.4	ng	2694660	4	17.151	3096410	20.0
1-Methyldibenzo...	17.751	15.6	ng	2420970	4	17.151	3096410	20.0
4-Methylnaphtho...	17.910	12.8	ng	1984860	4	17.151	3096410	20.0
Phenanthrene, 2...	18.057	37.9	ng	5861210	4	17.151	3096410	20.0
Phenanthrene, 1...	18.110	47.8	ng	7406640	4	17.151	3096410	20.0
Anthracene, 2-m...	18.198	10.9	ng	1687260	4	17.151	3096410	20.0
4H-Cyclopenta[d...	18.263	51.1	ng	7917270	4	17.151	3096410	20.0
Phenanthrene, 4...	18.304	22.1	ng	3420180	4	17.151	3096410	20.0
Naphthalene, 2-...	18.581	13.5	ng	2086590	4	17.151	3096410	20.0
9,10-Anthracene...	18.628	16.8	ng	2597390	4	17.151	3096410	20.0
Phenanthrene, 3...	18.887	10.8	ng	1663990	4	17.151	3096410	20.0
Phenanthrene, 2...	18.928	10.2	ng	1583000	4	17.151	3096410	20.0
di-p-Tolylacety...	19.010	33.1	ng	5127570	4	17.151	3096410	20.0
Phenanthrene, 1...	19.069	15.7	ng	2430910	4	17.151	3096410	20.0
1,3-Diphenyl-3-...	19.163	19.7	ng	3048180	4	17.151	3096410	20.0
Benzo[e]pyrene	24.651	33.3	ng	3796000	6	24.968	2279660	20.0