LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100125\
Data File : BP025910.D
Acq On : 01 Oct 2025 21:17
Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

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-BP091225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025910.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.390	411	417	433	rBV	259132	565846	3.55%	0.235%
2	7.743	809	817	832	rBV	779488	1370090	8.59%	0.569%
3	10.502	1275	1286	1291	rBV	1020245	1869472	11.72%	0.777%
4	10.549	1291	1294	1310	rVB	452314	820571	5.15%	0.341%
5	12.160	1559	1568	1583	rBV	997391	1762723	11.06%	0.733%
6	12.384	1594	1606	1623	rVB	1107120	1939225	12.16%	0.806%
7	12.966	1694	1705	1716	rBV	576557	867376	5.44%	0.361%
8	13.507	1789	1797	1807	rBV2	666909	1860897	11.67%	0.773%
9	13.666	1816	1824	1829	rVV	1508362	2610588	16.37%	1.085%
10	13.719	1829	1833	1842	rVV	1033790	1515944	9.51%	0.630%
11	13.901	1858	1864	1868	rVV	608855	1072896	6.73%	0.446%
12	14.072	1883	1893	1906	rBV	1744041	2719027	17.05%	1.130%
13	14.354	1929	1941	1946	rBV2	1679961	2860591	17.94%	1.189%
14	14.413	1946	1951	1959	rVV2	424872	853828	5.35%	0.355%
15	14.566	1970	1977	1985	rBV2	294786	680697	4.27%	0.283%
16	14.754	2003	2009	2016	rVB	728671	1192691	7.48%	0.496%
17	14.831	2016	2022	2028	rVB	680509	1026425	6.44%	0.427%
18	14.978	2038	2047	2052	rBV3	624215	1383496	8.68%	0.575%
19	15.031	2052	2056	2061	rVB	448929	601558	3.77%	0.250%
20	15.148	2067	2076	2079	rBV2	408553	1014336	6.36%	0.422%
21	15.331	2103	2107	2110	rVV2	368030	579396	3.63%	0.241%
22	15.419	2116	2122	2133	rVV2	1257083	2654811	16.65%	1.103%
23	15.537	2139	2142	2146	rVV4	306461	545730	3.42%	0.227%
24	15.631	2153	2158	2164	rVV2	317771	685337	4.30%	0.285%
25	15.713	2165	2172	2188	rVB4	450566	1373614	8.61%	0.571%
26	15.872	2194	2199	2206	rVB2	613491	1156473	7.25%	0.481%
27	16.101	2233	2238	2249	rVB3	454037	778001	4.88%	0.323%
28	16.437	2287	2295	2300	rBV2	888968	2050605	12.86%	0.852%
29	16.489	2300	2304	2310	rVB	701237	1095889	6.87%	0.455%
30	16.595	2317	2322	2326	rVB2	608733	863054	5.41%	0.359%
31	16.801	2352	2357	2364	rVB2	632450	1077389	6.76%	0.448%
32	16.878	2365	2370	2377	rVV4	240834	578077	3.63%	0.240%
33	16.960	2380	2384	2392	rVB	875687	1329936	8.34%	0.553%
34	17.148	2410	2416	2419	rBV	1615740	2535917	15.90%	1.054%
35	17.195	2419	2424	2430	rVV	7925044	11028497	69.17%	4.584%
36	17.284	2434	2439	2444	rVV	1883766	2773705	17.40%	1.153%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100125\
Data File : BP025910.D
Acq On : 01 Oct 2025 21:17
Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

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-BP091225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.342	2444	2449	2455	rVV2	577022	1127782	7.07%	0.469%
38	17.572	2483	2488	2496	rBV3	350400	983255	6.17%	0.409%
39	17.742	2509	2517	2525	rVB2	1320734	2255204	14.14%	0.937%
40	17.901	2538	2544	2551	rVB	658546	1410467	8.85%	0.586%
41	17.972	2551	2556	2560	rBV	455596	729887	4.58%	0.303%
42	18.048	2563	2569	2573	rVV	3961936	5907437	37.05%	2.455%
43	18.101	2573	2578	2584	rVB	4630567	7110243	44.59%	2.955%
44	18.189	2586	2593	2597	rBV	1604981	2393288	15.01%	0.995%
45	18.248	2597	2603	2607	rBV2	3773645	7566627	47.46%	3.145%
46	18.289	2607	2610	2620	rVB	3373220	4918504	30.85%	2.044%
47	18.460	2635	2639	2644	rVB2	618048	855115	5.36%	0.355%
48	18.566	2652	2657	2661	rVV	1734699	2529711	15.87%	1.051%
49	18.625	2661	2667	2676	rVB3	1032834	2232552	14.00%	0.928%
50	18.748	2682	2688	2692	rVB2	278516	651365	4.09%	0.271%
51	18.795	2692	2696	2697	rBV	557668	674591	4.23%	0.280%
52	18.825	2698	2701	2706	rVV	939810	1267053	7.95%	0.527%
53	18.878	2706	2710	2714	rVV	1453232	1695977	10.64%	0.705%
54	18.919	2714	2717	2721	rVB2	981214	1369329	8.59%	0.569%
55	19.007	2721	2732	2736	rBV	3783473	6444982	40.42%	2.679%
56	19.066	2736	2742	2745	rVV3	1764960	3763598	23.60%	1.564%
57	19.101	2745	2748	2752	rVB	1502134	1779173	11.16%	0.739%
58	19.154	2752	2757	2765	rBV3	1496139	3622482	22.72%	1.506%
59	19.283	2772	2779	2783	rBV	7548142	10079043	63.21%	4.189%
60	19.342	2785	2789	2792	rVV2	1044778	1372094	8.61%	0.570%
61	19.383	2792	2796	2800	rVV	1096675	1607734	10.08%	0.668%
62	19.436	2801	2805	2809	rVV	892679	1102022	6.91%	0.458%
63	19.530	2817	2821	2824	rVV2	655539	986758	6.19%	0.410%
64	19.566	2824	2827	2833	rVB4	450054	649713	4.07%	0.270%
65	19.654	2833	2842	2851	rBV	8734264	15944771	100.00%	6.627%
66	19.736	2851	2856	2861	rVB2	1390515	2212196	13.87%	0.919%
67	19.789	2861	2865	2868	rBV4	312069	603928	3.79%	0.251%
68	19.830	2869	2872	2875	rVV3	535605	865346	5.43%	0.360%
69	19.866	2875	2878	2881	rVV2	1173190	1520362	9.54%	0.632%
70	19.907	2881	2885	2891	rVB	895062	1445216	9.06%	0.601%
71	20.013	2894	2903	2911	rBV4	1772733	4951072	31.05%	2.058%
72	20.083	2911	2915	2918	rVV3	719584	1144767	7.18%	0.476%
73	20.136	2919	2924	2927	rVV2	1649510	3413592	21.41%	1.419%
74	20.172	2927	2930	2935	rVB	2782202	3593714	22.54%	1.494%
75	20.283	2945	2949	2953	rVB	1341967	1574094	9.87%	0.654%
76	20.348	2954	2960	2963	rBV	2821350	3758123	23.57%	1.562%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100125\
Data File : BP025910.D
Acq On : 01 Oct 2025 21:17
Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

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-BP091225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.436	2971	2975	2979	rBV4	329951	647512	4.06%	0.269%
78	20.483	2979	2983	2987	rVV	2743752	3510451	22.02%	1.459%
79	20.530	2987	2991	2995	rVB	2447481	3392892	21.28%	1.410%
80	20.660	3009	3013	3018	rVB3	503066	780274	4.89%	0.324%
81	20.972	3061	3066	3072	rVB2	1692005	2867702	17.99%	1.192%
82	21.066	3079	3082	3087	rVB	723806	936150	5.87%	0.389%
83	21.125	3089	3092	3093	rVV	858758	886114	5.56%	0.368%
84	21.148	3094	3096	3101	rVV3	1206904	2069501	12.98%	0.860%
85	21.195	3101	3104	3108	rVV	919904	1277719	8.01%	0.531%
86	21.242	3109	3112	3118	rVV2	515861	1190137	7.46%	0.495%
87	21.319	3122	3125	3131	rVB	1076422	1615628	10.13%	0.672%
88	21.577	3162	3169	3176	rBV2	4130675	10646316	66.77%	4.425%
89	21.636	3176	3179	3193	rVB	4092073	6994728	43.87%	2.907%
90	21.742	3193	3197	3202	rBV3	521948	754845	4.73%	0.314%
91	22.083	3251	3255	3260	rVB3	530433	814092	5.11%	0.338%
92	22.266	3284	3286	3292	rVB	423784	628494	3.94%	0.261%
93	22.354	3297	3301	3308	rVV	1890671	3291417	20.64%	1.368%
94	22.430	3309	3314	3319	rVB	981808	1731082	10.86%	0.719%
95	22.630	3343	3348	3352	rBV	935983	1574201	9.87%	0.654%
96	23.883	3554	3561	3569	rBV2	1123548	3640983	22.83%	1.513%
97	24.630	3681	3688	3702	rVB	1322063	3757997	23.57%	1.562%
98	24.783	3707	3714	3725	rVB	1846332	4760955	29.86%	1.979%
99	24.942	3733	3741	3747	rBV	1007155	2520913	15.81%	1.048%
100	29.918	4582	4587	4602	rVB	680361	2497494	15.66%	1.038%

Sum of corrected areas: 240595472

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100125\
Data File : BP025910.D
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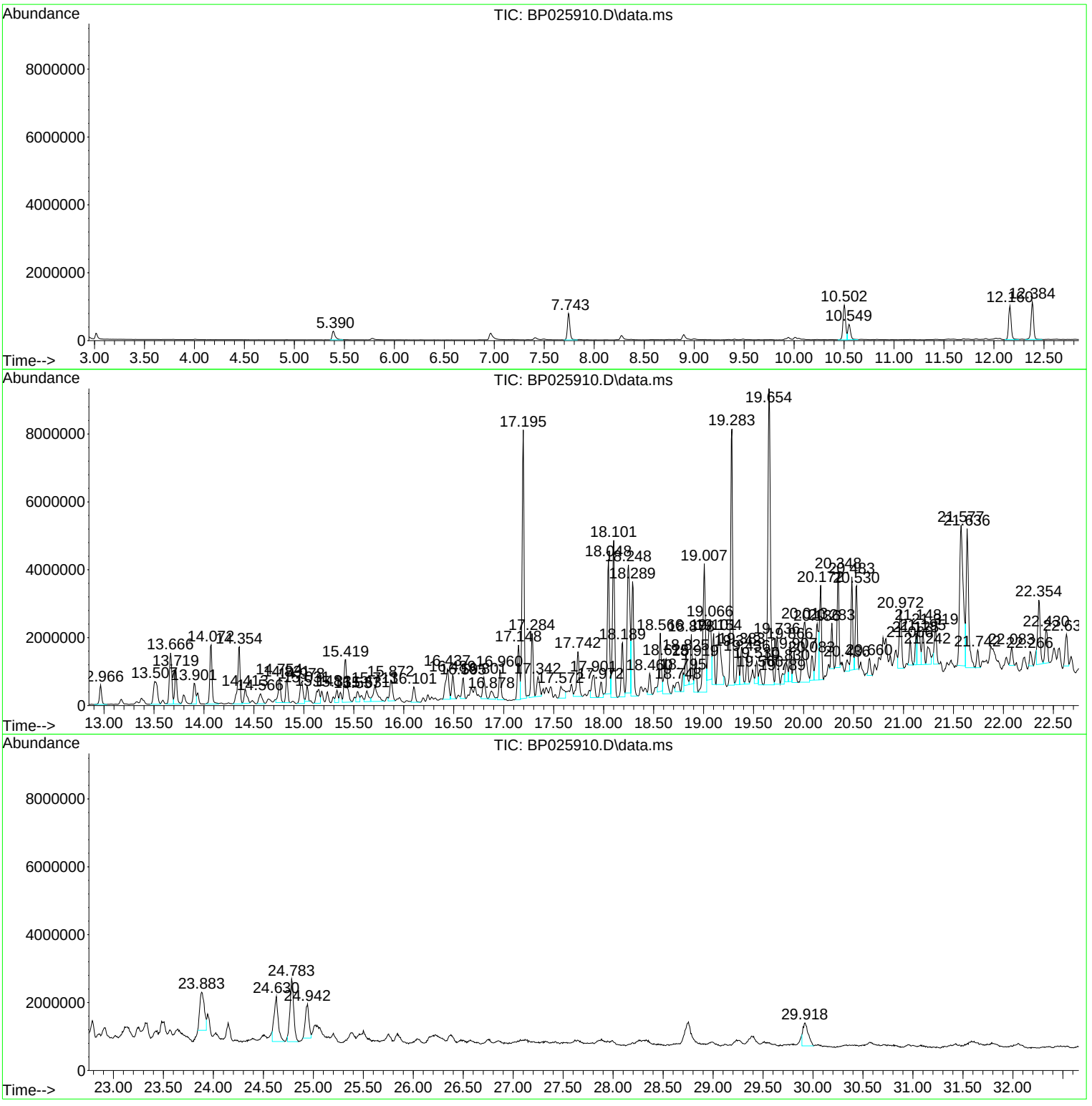
Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.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\BP100125\
Data File : BP025910.D
Acq On : 01 Oct 2025 21:17
Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

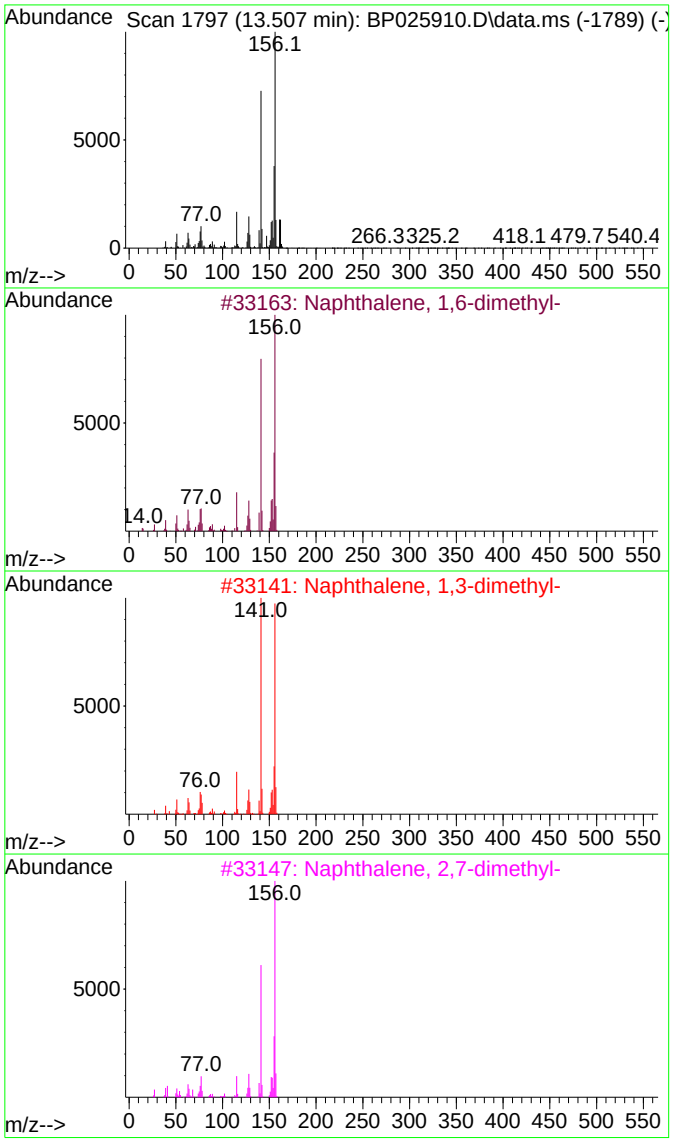
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

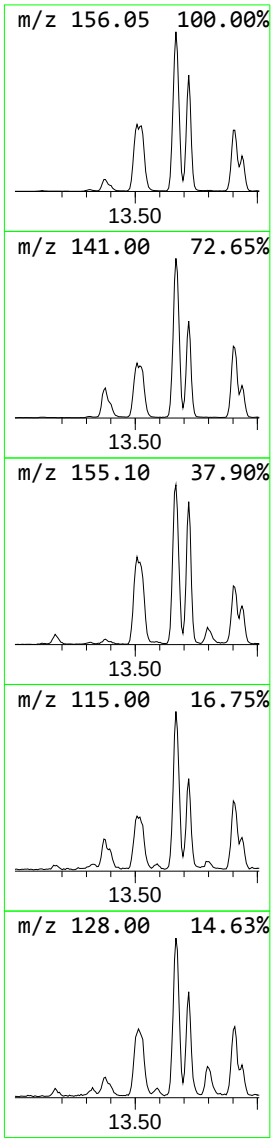
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.507	13.01 ng	1860900	Acenaphthene-d10	14.354

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100125\
Data File : BP025910.D
Acq On : 01 Oct 2025 21:17
Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

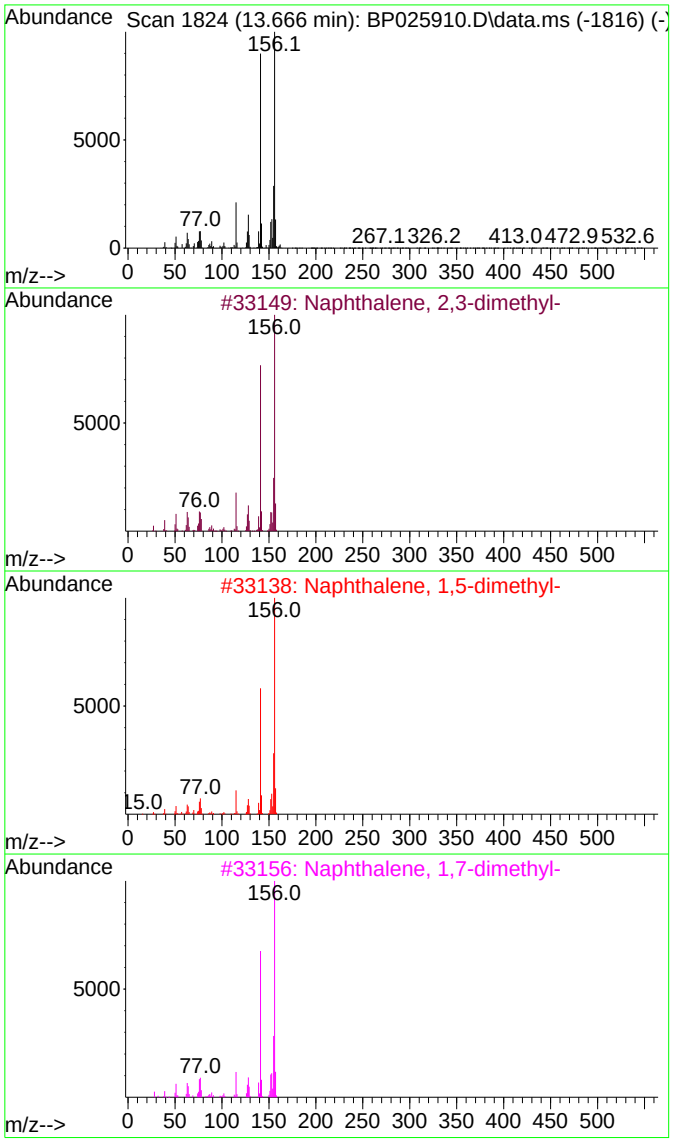
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

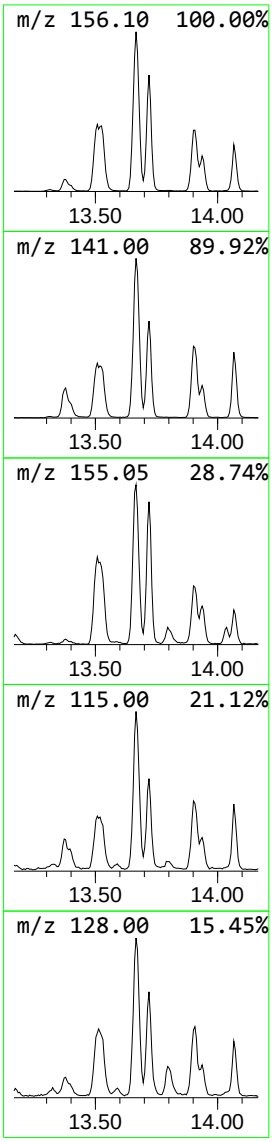
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.666	18.25 ng	2610590	Acenaphthene-d10	14.354

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	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\BP100125\
Data File : BP025910.D
Acq On : 01 Oct 2025 21:17
Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

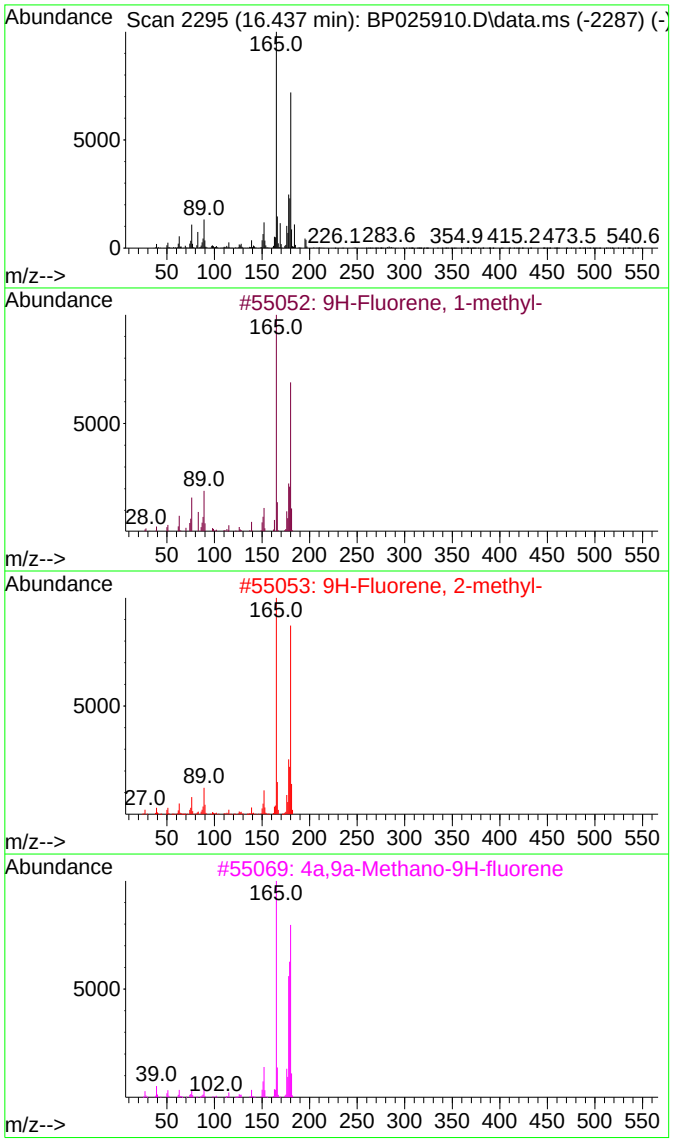
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

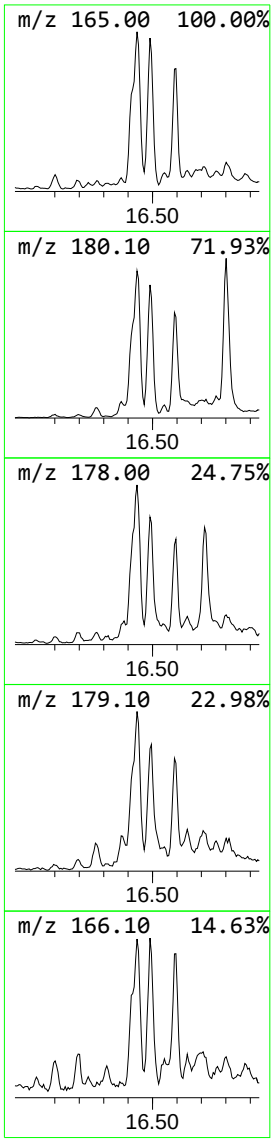
****

Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.436	16.17 ng	2050610	Phenanthrene-d10	17.148

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83
4	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	74
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100125\
Data File : BP025910.D
Acq On : 01 Oct 2025 21:17
Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

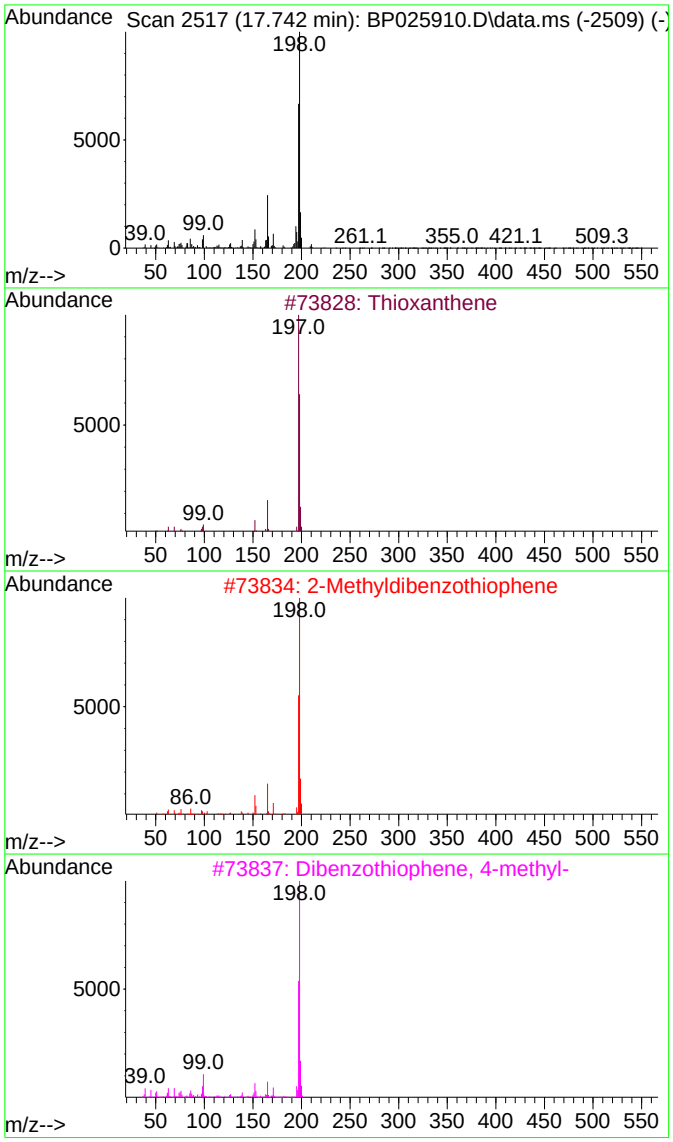
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

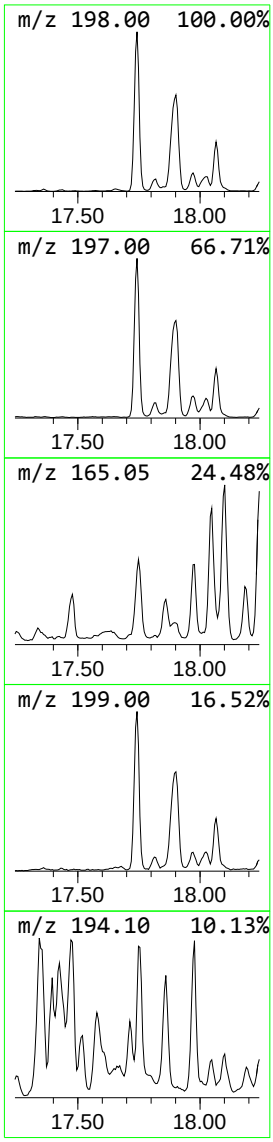
****

Peak Number 4 Thioxanthene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.742	17.79 ng	2255200	Phenanthrene-d10	17.148

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thioxanthene	198	C13H10S	000261-31-4	86
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	83
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100125\
Data File : BP025910.D
Acq On : 01 Oct 2025 21:17
Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

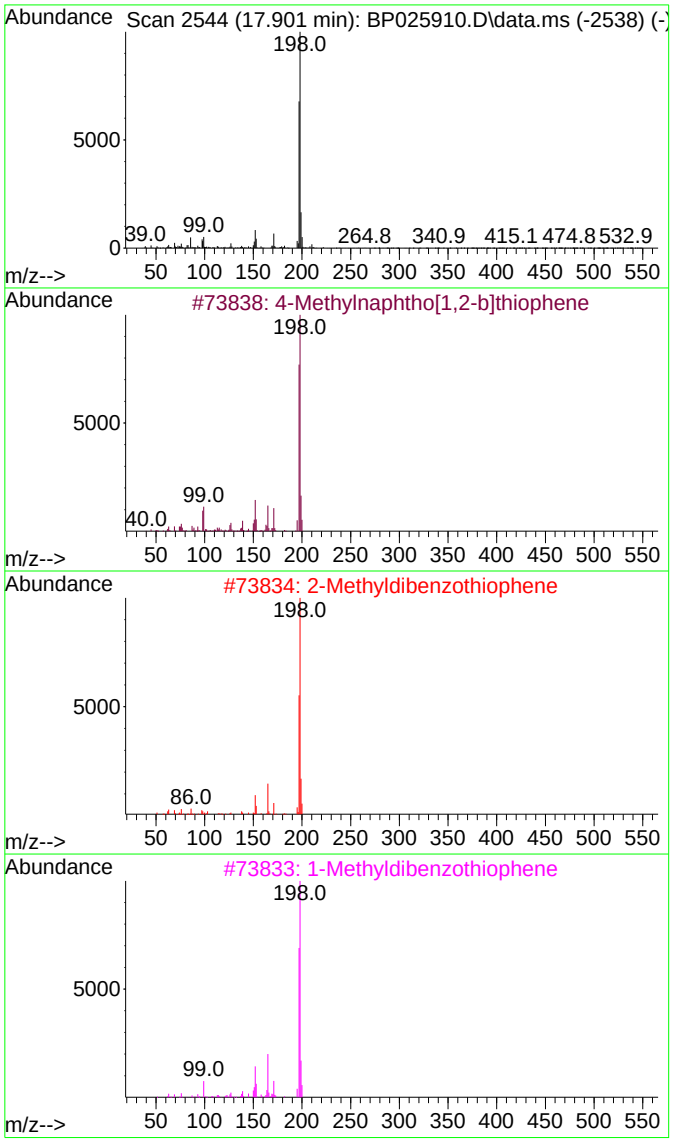
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

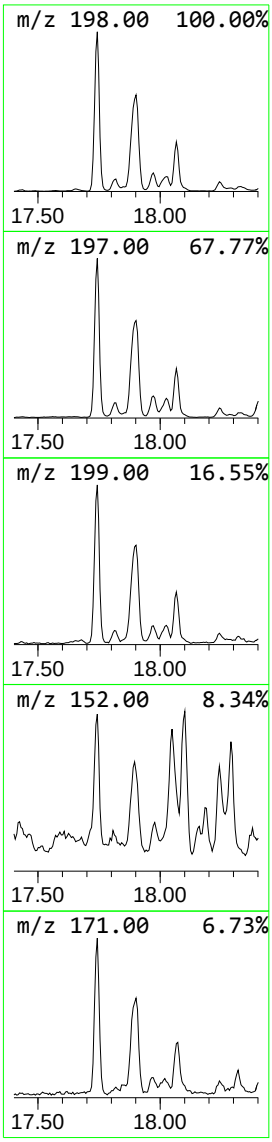
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.901	11.12 ng	1410470	Phenanthrene-d10	17.148

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	91
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	91
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	83
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83





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Data File : BP025910.D
Acq On : 01 Oct 2025 21:17
Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.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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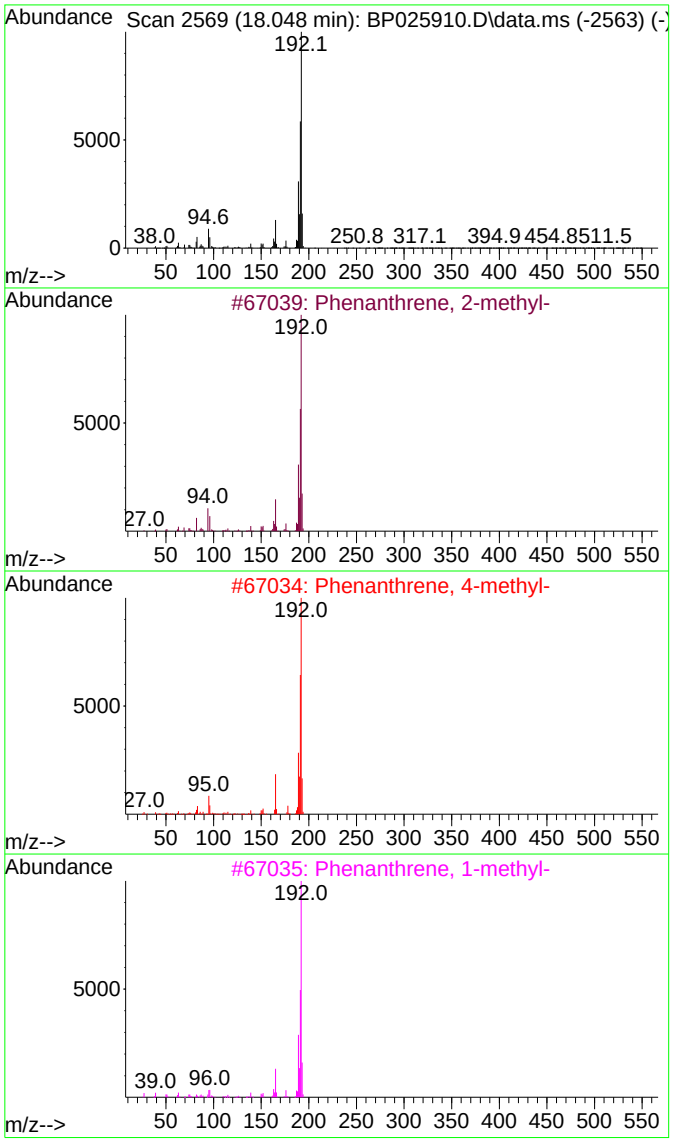
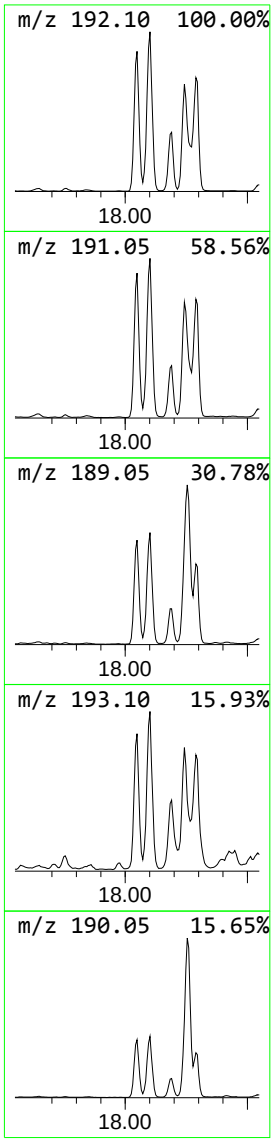
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.048	46.59 ng	5907440	Phenanthrene-d10	17.148

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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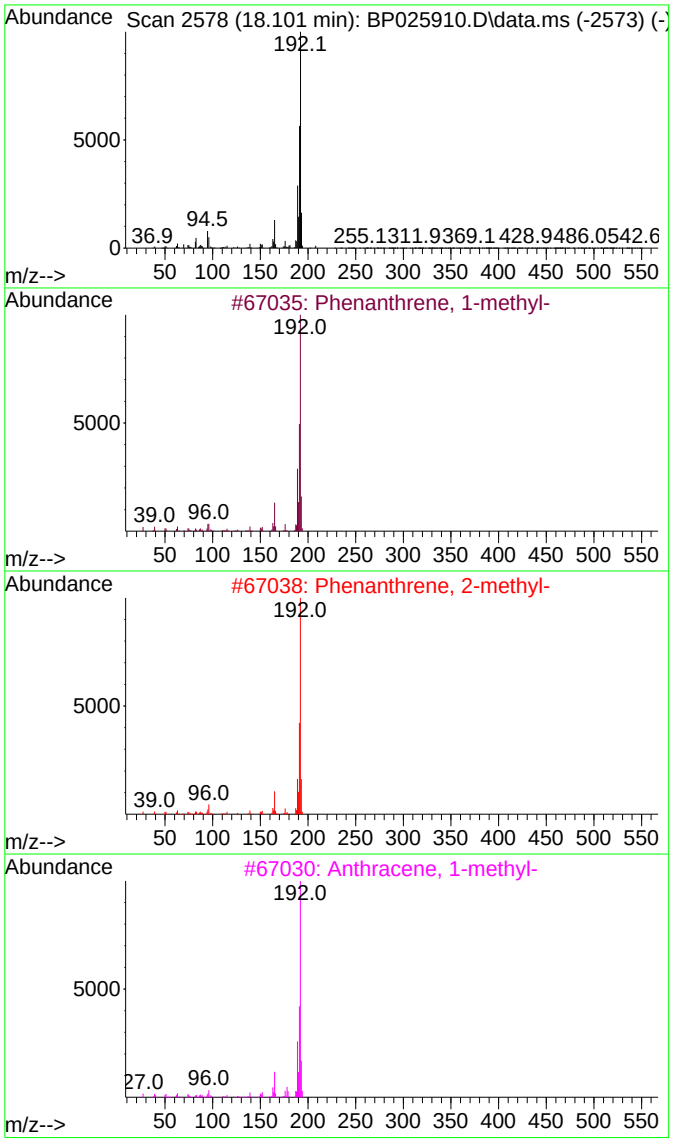
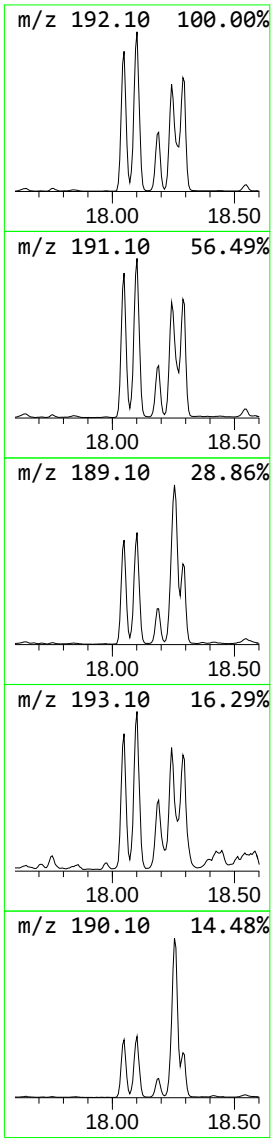
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.101	56.08 ng	7110240	Phenanthrene-d10	17.148

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	97
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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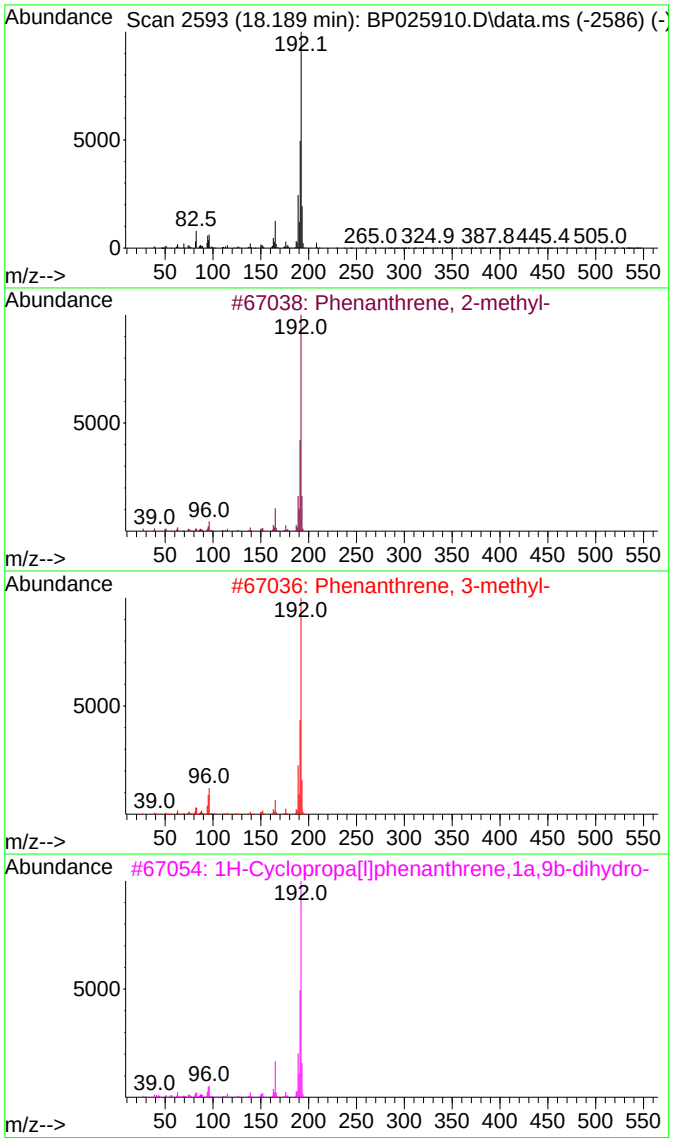
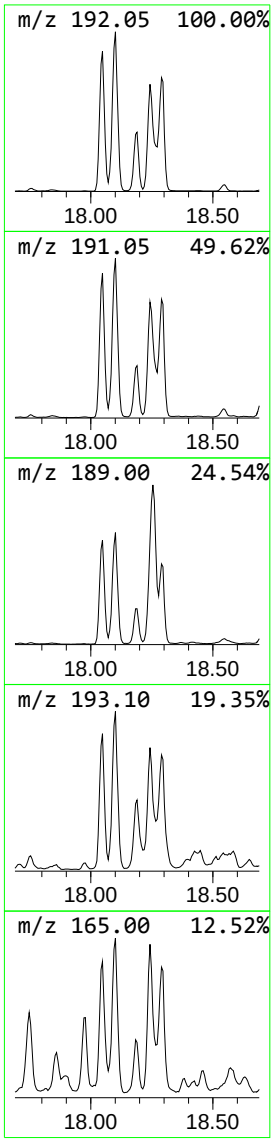
Peak Number 8 Phenanthrene, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.189	18.88 ng	2393290	Phenanthrene-d10	17.148

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





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Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.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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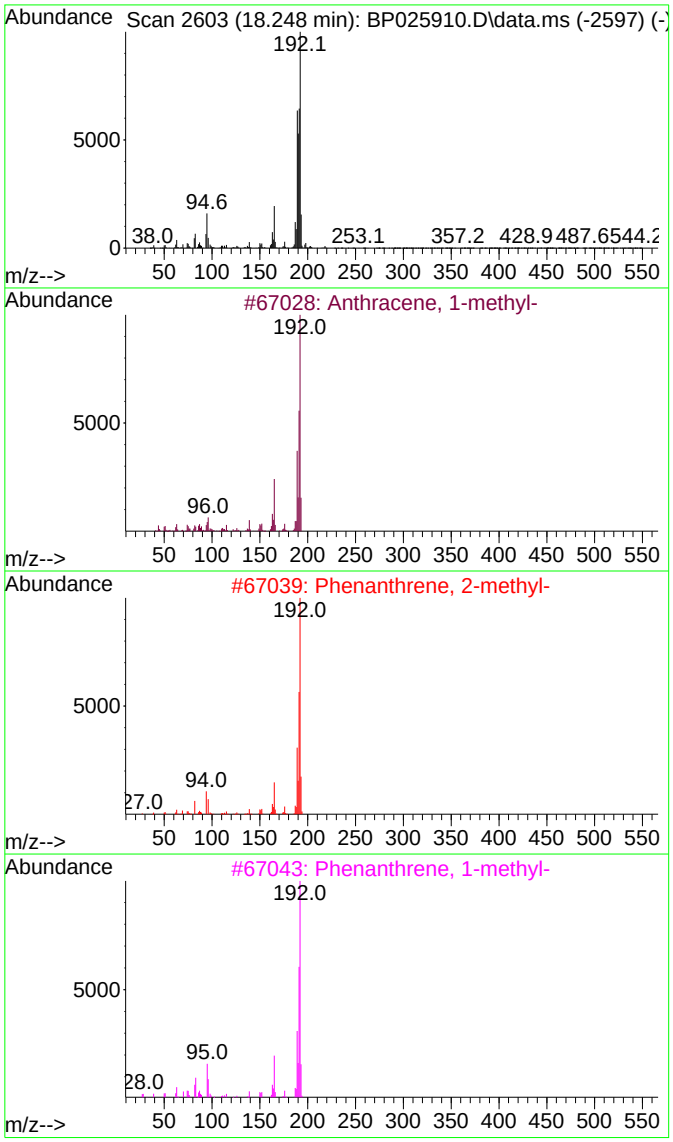
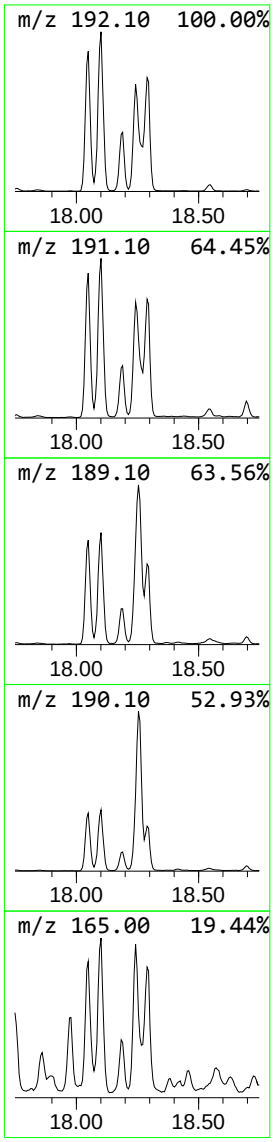
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.248	59.68 ng	7566630	Phenanthrene-d10	17.148

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60





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Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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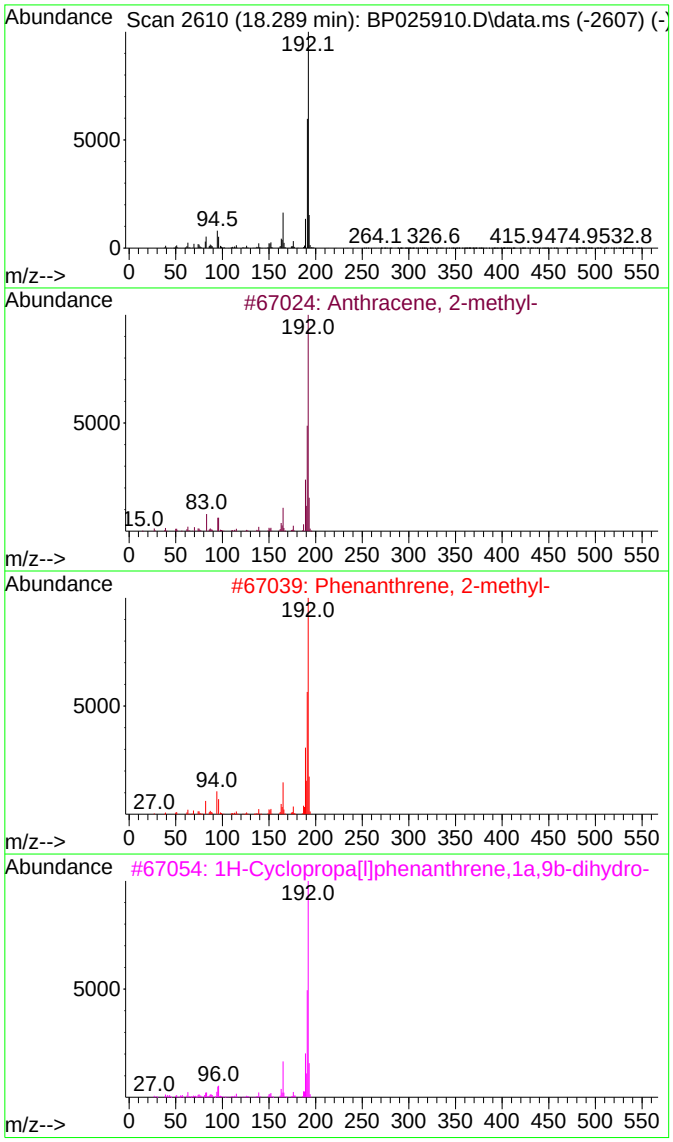
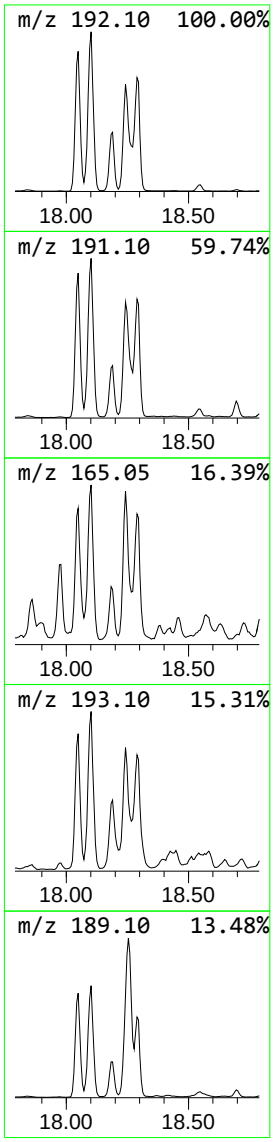
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.289	38.79 ng	4918500	Phenanthrene-d10	17.148

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





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Acq On : 01 Oct 2025 21:17
Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-PILE-1-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.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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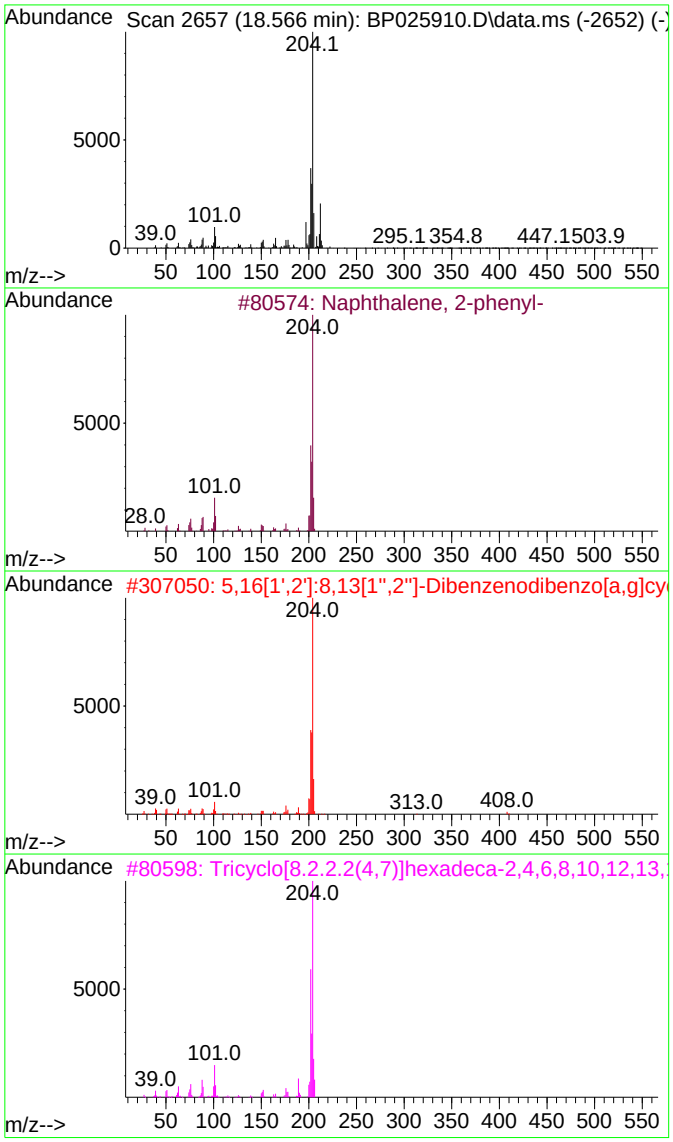
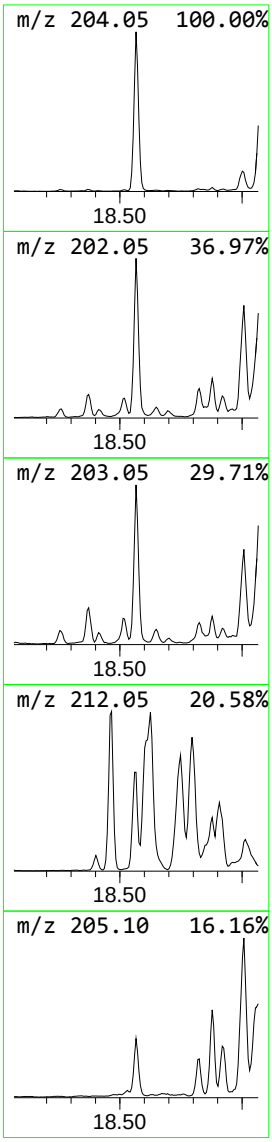
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.566	19.95 ng	2529710	Phenanthrene-d10	17.148

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	50
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49





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Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.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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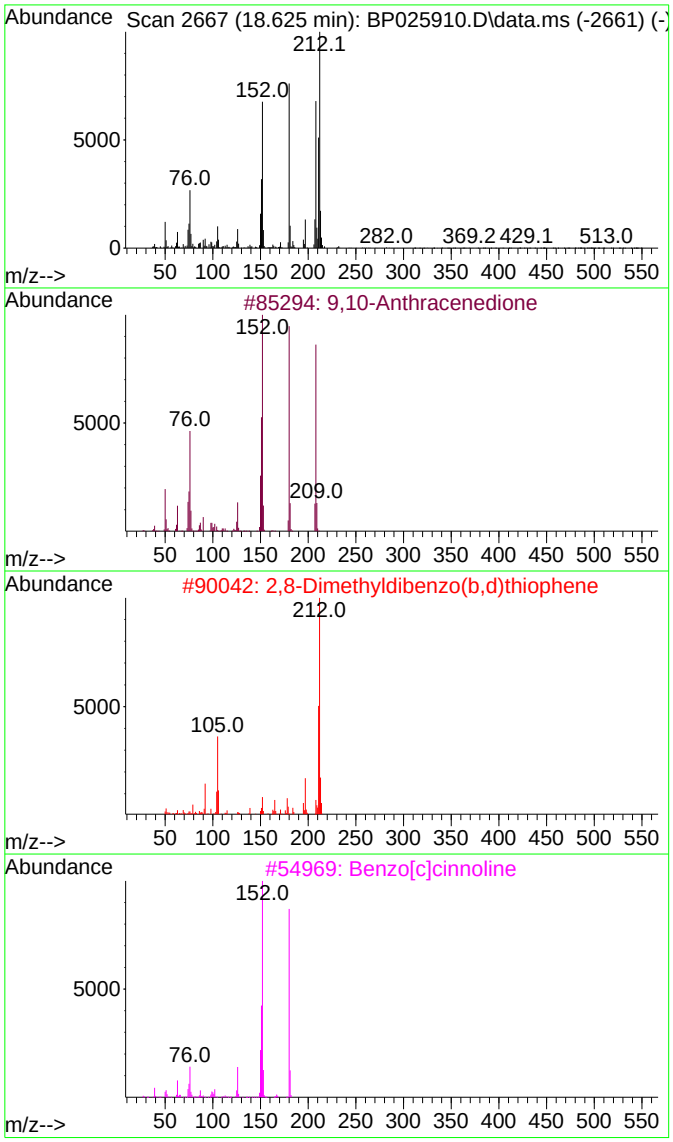
Peak Number 12 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.625	17.61 ng	2232550	Phenanthrene-d10	17.148

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	81
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	46
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	41



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Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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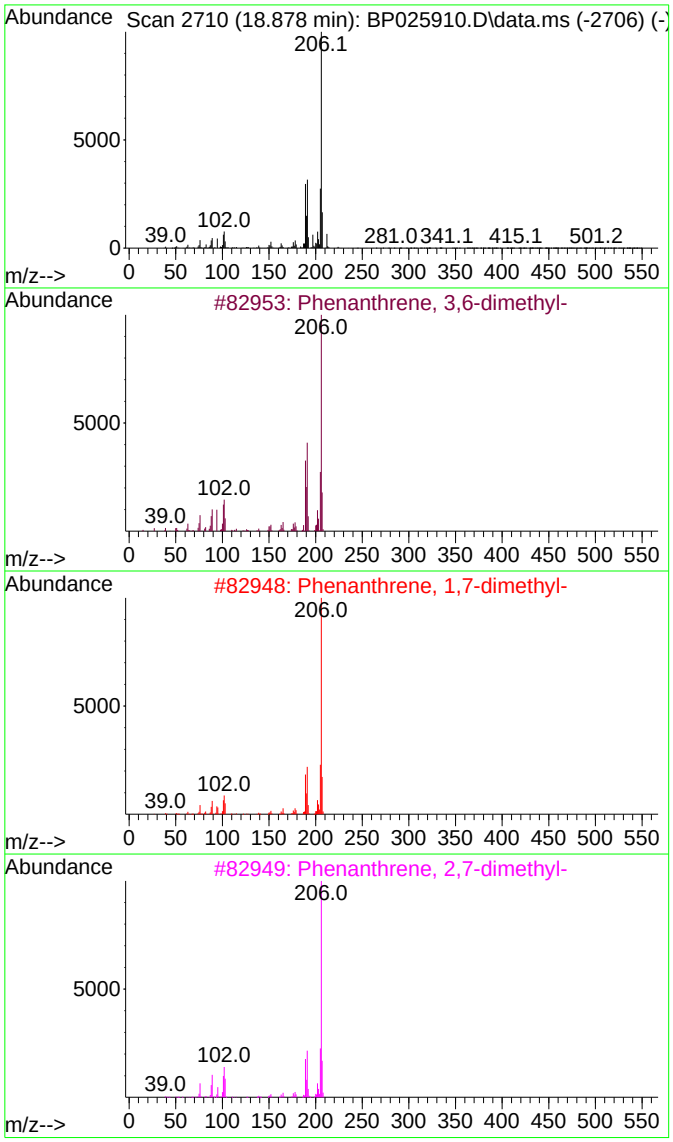
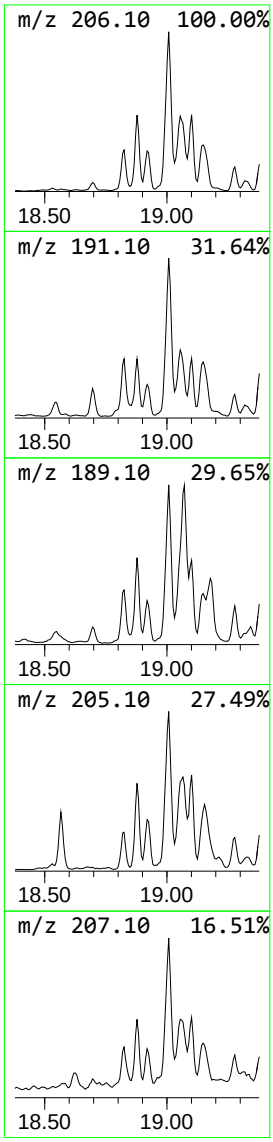
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.878	13.38 ng	1695980	Phenanthrene-d10	17.148

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	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	80





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.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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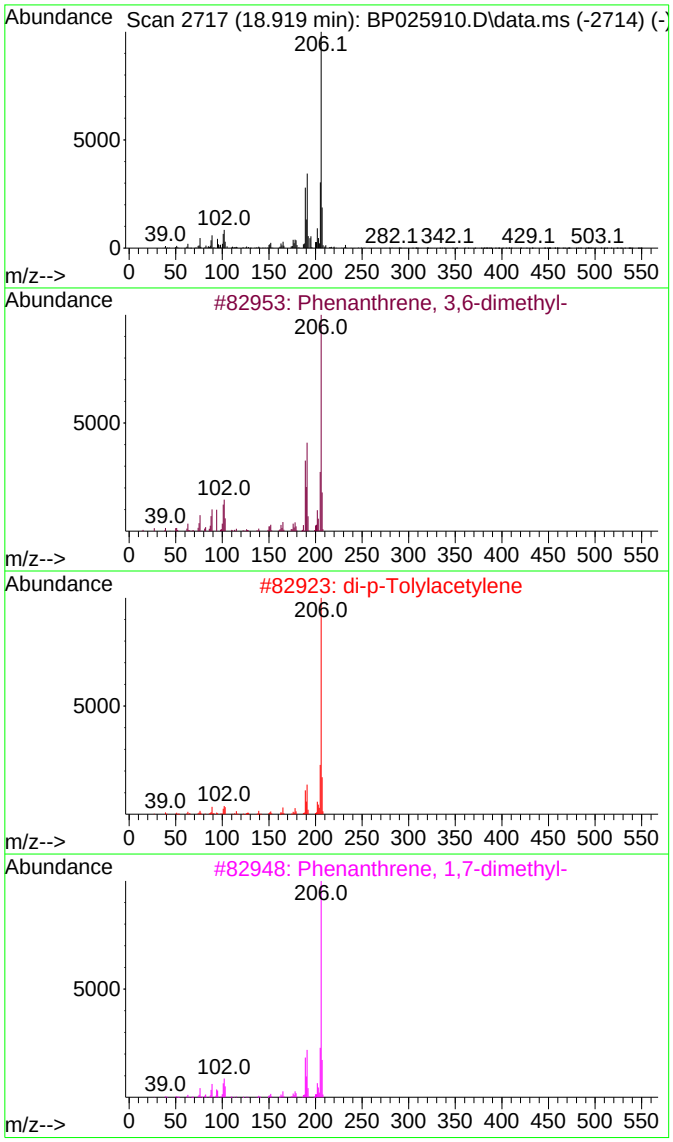
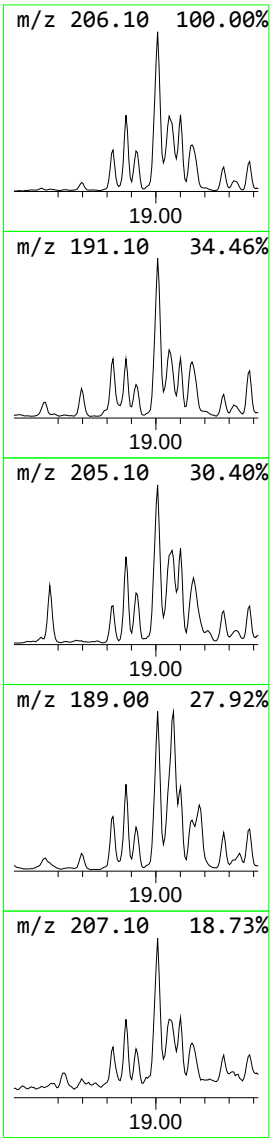
Peak Number 14 di-p-Tolylacetylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.919	10.80 ng	1369330	Phenanthrene-d10	17.148

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-PILE-1-WC

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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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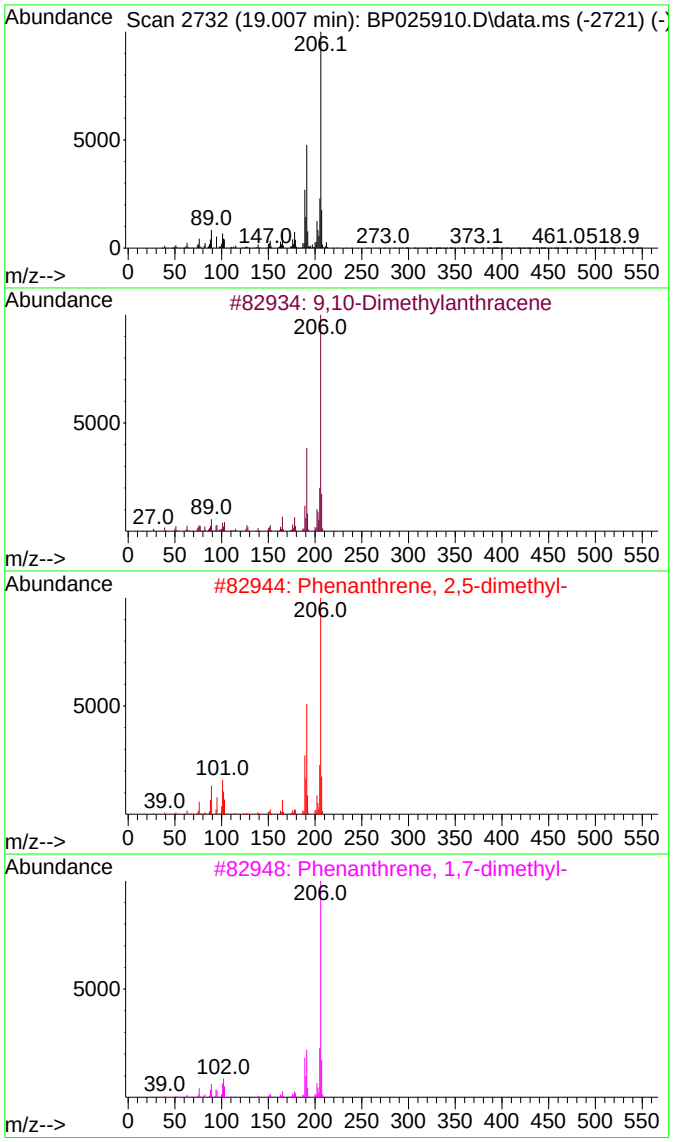
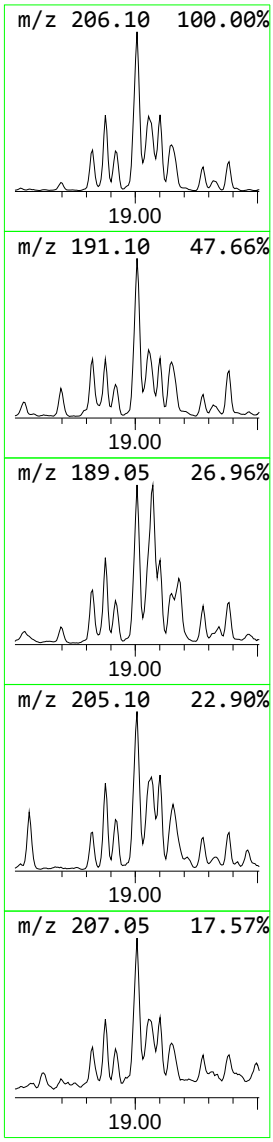
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.007	50.83 ng	6444980	Phenanthrene-d10	17.148

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-PILE-1-WC

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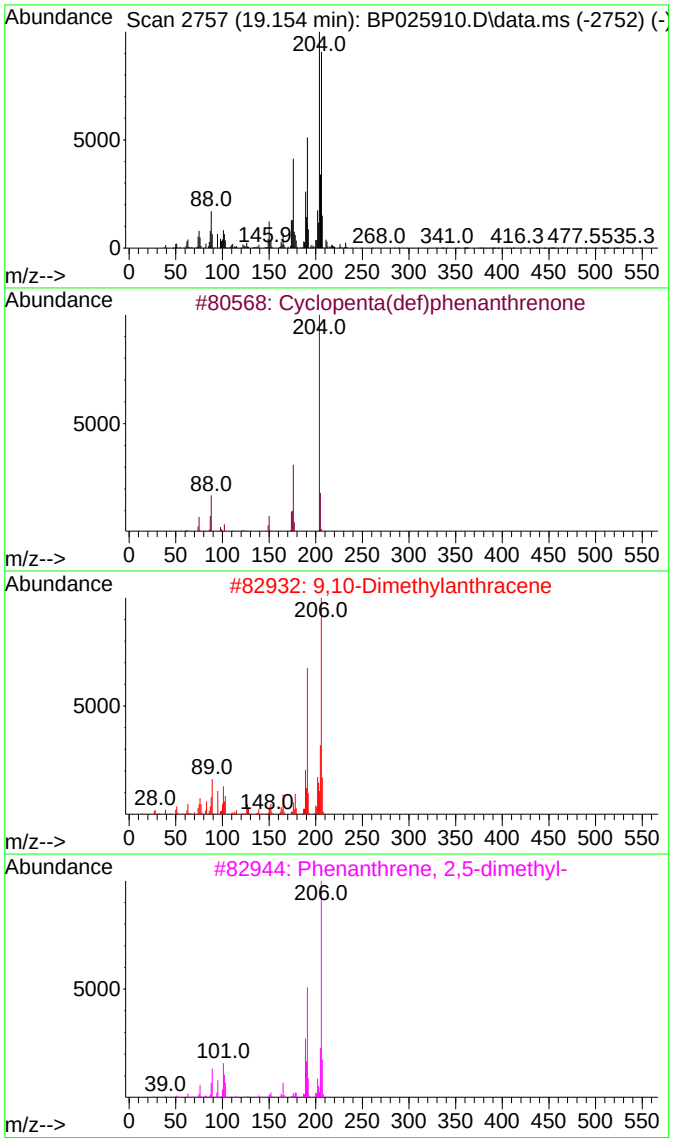
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

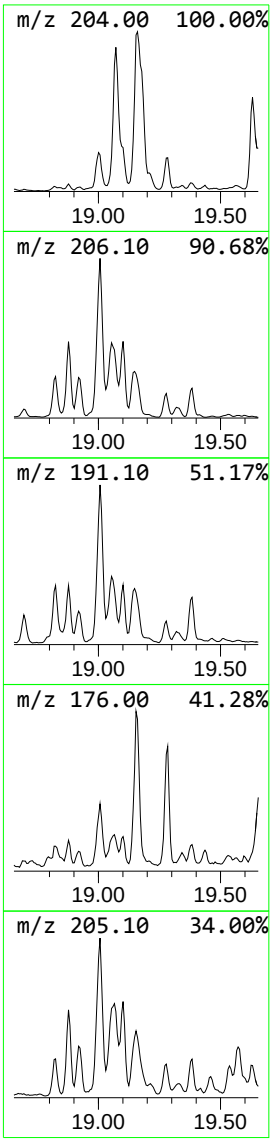
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.154	28.57 ng	3622480	Phenanthrene-d10	17.148

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	50
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	49





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Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

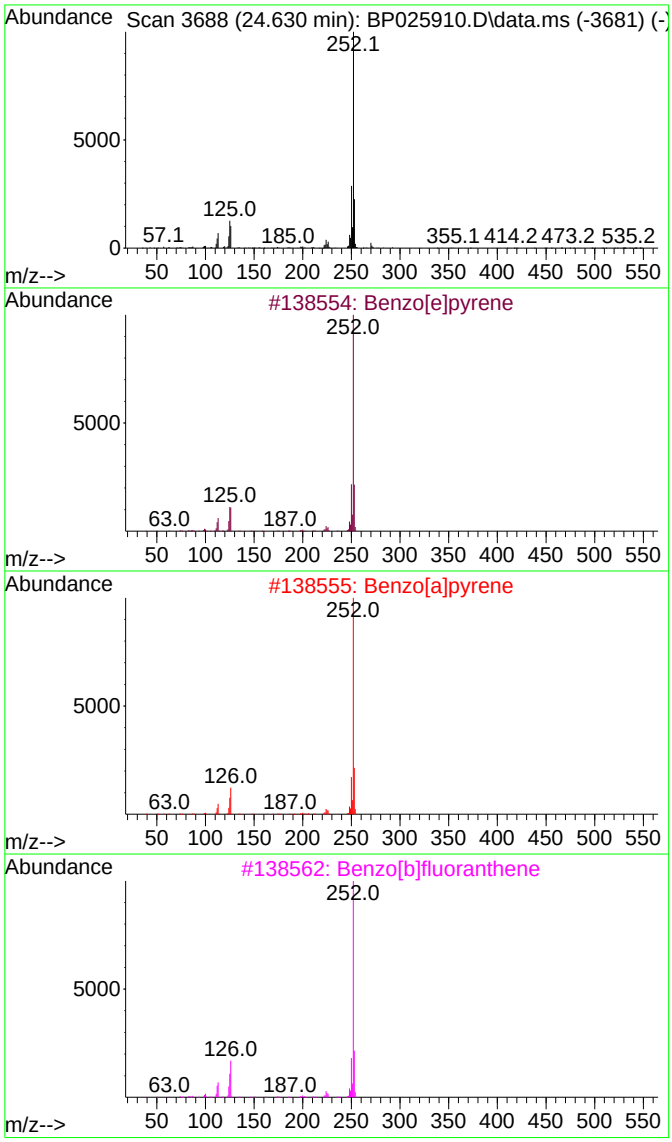
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

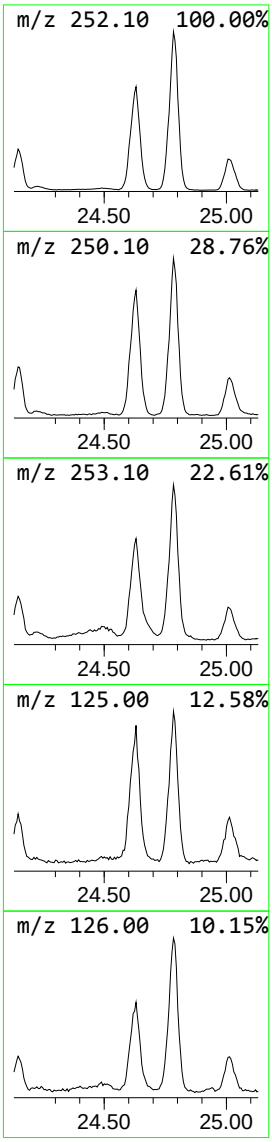
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.630	29.81 ng	3758000	Perylene-d12	24.942

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	97
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100125\
Data File : BP025910.D
Acq On : 01 Oct 2025 21:17
Operator : CG/JU
Sample : Q3256-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-1-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.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,...	13.507	13.0	ng	1860900	3	14.354	2860590	20.0
Naphthalene, 2,...	13.666	18.3	ng	2610590	3	14.354	2860590	20.0
9H-Fluorene, 1-...	16.436	16.2	ng	2050610	4	17.148	2535920	20.0
Thioxanthene	17.742	17.8	ng	2255200	4	17.148	2535920	20.0
4-Methylnaphtho...	17.901	11.1	ng	1410470	4	17.148	2535920	20.0
Phenanthrene, 2...	18.048	46.6	ng	5907440	4	17.148	2535920	20.0
Phenanthrene, 1...	18.101	56.1	ng	7110240	4	17.148	2535920	20.0
Phenanthrene, 3...	18.189	18.9	ng	2393290	4	17.148	2535920	20.0
Anthracene, 1-m...	18.248	59.7	ng	7566630	4	17.148	2535920	20.0
Anthracene, 2-m...	18.289	38.8	ng	4918500	4	17.148	2535920	20.0
Naphthalene, 2-...	18.566	19.9	ng	2529710	4	17.148	2535920	20.0
9,10-Anthracene...	18.625	17.6	ng	2232550	4	17.148	2535920	20.0
Phenanthrene, 3...	18.878	13.4	ng	1695980	4	17.148	2535920	20.0
di-p-Tolylacety...	18.919	10.8	ng	1369330	4	17.148	2535920	20.0
9,10-Dimethylan...	19.007	50.8	ng	6444980	4	17.148	2535920	20.0
Cyclopenta(def)...	19.154	28.6	ng	3622480	4	17.148	2535920	20.0
Benzo[e]pyrene	24.630	29.8	ng	3758000	6	24.942	2520910	20.0