LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024900.D
Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

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-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024900.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.772	307	312	320	rBV	340993	481155	4.17%	0.287%
2	5.237	385	391	411	rBV	3555415	5546759	48.03%	3.307%
3	6.819	653	660	685	rVB	3566181	6153830	53.29%	3.669%
4	7.608	784	794	803	rBV	1159785	1799469	15.58%	1.073%
5	8.708	974	981	984	rBV2	81817	134565	1.17%	0.080%
6	8.761	984	990	998	rVV	2037473	3555505	30.79%	2.120%
7	10.378	1255	1265	1271	rBV	1483661	2608988	22.59%	1.556%
8	10.431	1271	1274	1281	rVB	152594	248489	2.15%	0.148%
9	12.049	1544	1549	1556	rVB	147776	215084	1.86%	0.128%
10	12.272	1582	1587	1595	rVB	99441	163896	1.42%	0.098%
11	12.860	1678	1687	1706	rBV	4959617	7102761	61.51%	4.235%
12	13.066	1715	1722	1729	rBV2	99507	179028	1.55%	0.107%
13	13.572	1803	1808	1812	rBV	159046	255457	2.21%	0.152%
14	13.619	1812	1816	1821	rVB	92440	127238	1.10%	0.076%
15	13.978	1872	1877	1886	rVB	205679	350004	3.03%	0.209%
16	14.166	1900	1909	1913	rBV	99315	146997	1.27%	0.088%
17	14.254	1916	1924	1930	rVV	2458263	3469246	30.04%	2.069%
18	14.319	1930	1935	1945	rVB	365802	667285	5.78%	0.398%
19	14.478	1956	1962	1970	rBV2	58501	157885	1.37%	0.094%
20	14.572	1971	1978	1984	rBV2	78311	161601	1.40%	0.096%
21	14.666	1988	1994	1999	rVV2	217840	342291	2.96%	0.204%
22	14.748	2004	2008	2012	rVB	85675	125247	1.08%	0.075%
23	14.890	2028	2032	2037	rVV2	79090	128898	1.12%	0.077%
24	14.943	2037	2041	2046	rVB	91166	127295	1.10%	0.076%
25	15.066	2055	2062	2066	rBV4	80653	188102	1.63%	0.112%
26	15.137	2072	2074	2080	rVB2	95450	125802	1.09%	0.075%
27	15.325	2101	2106	2111	rBV	378954	560816	4.86%	0.334%
28	15.460	2126	2129	2132	rVV2	109293	143056	1.24%	0.085%
29	15.501	2132	2136	2140	rVB	114737	150305	1.30%	0.090%
30	15.548	2140	2144	2148	rBV2	112121	181015	1.57%	0.108%
31	15.648	2154	2161	2167	rVB2	531935	929350	8.05%	0.554%
32	15.790	2176	2185	2192	rBV	4915541	7431129	64.35%	4.431%
33	16.025	2220	2225	2235	rVB5	196791	444098	3.85%	0.265%
34	16.337	2271	2278	2280	rBV3	127965	225369	1.95%	0.134%
35	16.360	2280	2282	2286	rVV2	176778	232831	2.02%	0.139%
36	16.407	2286	2290	2297	rVB	185750	251497	2.18%	0.150%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024900.D
Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

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-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.725	2339	2344	2350	rVB2	202241	332672	2.88%	0.198%
38	16.819	2353	2360	2367	rVV3	263658	673068	5.83%	0.401%
39	16.889	2367	2372	2385	rVB	312237	565163	4.89%	0.337%
40	17.066	2397	2402	2406	rBV	2456181	3853258	33.37%	2.298%
41	17.113	2406	2410	2417	rVB	5539669	8128570	70.39%	4.847%
42	17.213	2422	2427	2432	rVV	905391	1367930	11.85%	0.816%
43	17.272	2432	2437	2442	rVV3	198520	352218	3.05%	0.210%
44	17.495	2470	2475	2480	rBV	271526	527556	4.57%	0.315%
45	17.601	2490	2493	2498	rVB2	150472	214450	1.86%	0.128%
46	17.666	2501	2504	2510	rVB2	178853	254284	2.20%	0.152%
47	17.813	2525	2529	2538	rVB3	166420	350067	3.03%	0.209%
48	17.895	2539	2543	2547	rVV2	187714	265053	2.30%	0.158%
49	17.972	2551	2556	2560	rVV	1264030	2138601	18.52%	1.275%
50	18.025	2560	2565	2572	rVV2	2174127	4243346	36.75%	2.530%
51	18.113	2576	2580	2584	rVV	447308	742890	6.43%	0.443%
52	18.172	2584	2590	2594	rVV2	1678522	3214698	27.84%	1.917%
53	18.213	2594	2597	2605	rVB	1072151	1480266	12.82%	0.883%
54	18.307	2610	2613	2617	rVV3	171110	218917	1.90%	0.131%
55	18.389	2624	2627	2633	rBV3	170236	236100	2.04%	0.141%
56	18.495	2640	2645	2649	rBV	688036	952364	8.25%	0.568%
57	18.542	2649	2653	2658	rVB2	629576	876588	7.59%	0.523%
58	18.625	2664	2667	2673	rVB	194598	236551	2.05%	0.141%
59	18.754	2685	2689	2693	rVB	521235	572789	4.96%	0.342%
60	18.801	2694	2697	2701	rBV	431836	519535	4.50%	0.310%
61	18.842	2701	2704	2709	rVB	351621	409008	3.54%	0.244%
62	18.925	2713	2718	2723	rBV	1107212	1823784	15.79%	1.087%
63	18.978	2723	2727	2728	rBV2	390913	470236	4.07%	0.280%
64	19.031	2733	2736	2740	rVB	296094	365113	3.16%	0.218%
65	19.083	2740	2745	2752	rBV3	518781	1190833	10.31%	0.710%
66	19.201	2760	2765	2773	rVB	7591330	10018559	86.76%	5.974%
67	19.278	2775	2778	2780	rBV	160323	180185	1.56%	0.107%
68	19.348	2787	2790	2796	rVB5	304682	419922	3.64%	0.250%
69	19.454	2805	2808	2812	rBV	285466	370070	3.20%	0.221%
70	19.489	2812	2814	2819	rVB2	217885	255237	2.21%	0.152%
71	19.548	2820	2824	2826	rBV2	1276911	1838826	15.92%	1.096%
72	19.583	2826	2830	2834	rVB	8018273	9935892	86.04%	5.924%
73	19.666	2840	2844	2850	rVB5	433875	891278	7.72%	0.531%
74	19.795	2860	2866	2870	rBV	6751601	8903943	77.10%	5.309%
75	19.919	2883	2887	2893	rBV4	772638	1646678	14.26%	0.982%
76	20.066	2908	2912	2914	rBV3	595140	924629	8.01%	0.551%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024900.D
Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

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-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.101	2914	2918	2922	rVB2	1477337	2234691	19.35%	1.332%
78	20.201	2931	2935	2939	rVB	1077393	1221337	10.58%	0.728%
79	20.260	2941	2945	2949	rVV	1209247	1477650	12.80%	0.881%
80	20.413	2967	2971	2974	rBV	754391	894764	7.75%	0.534%
81	20.454	2975	2978	2983	rVB	916987	1059880	9.18%	0.632%
82	20.883	3048	3051	3057	rVB	537878	902235	7.81%	0.538%
83	21.113	3087	3090	3094	rVB	794763	969744	8.40%	0.578%
84	21.160	3095	3098	3106	rVB4	991355	1568887	13.59%	0.935%
85	21.477	3147	3152	3159	rBV2	4847502	11547961	100.00%	6.886%
86	21.542	3159	3163	3173	rVB	3975845	6325267	54.77%	3.772%
87	22.236	3279	3281	3287	rVB2	945679	1248750	10.81%	0.745%
88	23.730	3529	3535	3542	rBV	2623593	6885329	59.62%	4.105%
89	24.448	3651	3657	3672	rVB	1789704	4428165	38.35%	2.640%
90	24.595	3676	3682	3695	rVB	2128422	6020319	52.13%	3.590%
91	24.754	3703	3709	3717	rVB	1680802	3853566	33.37%	2.298%

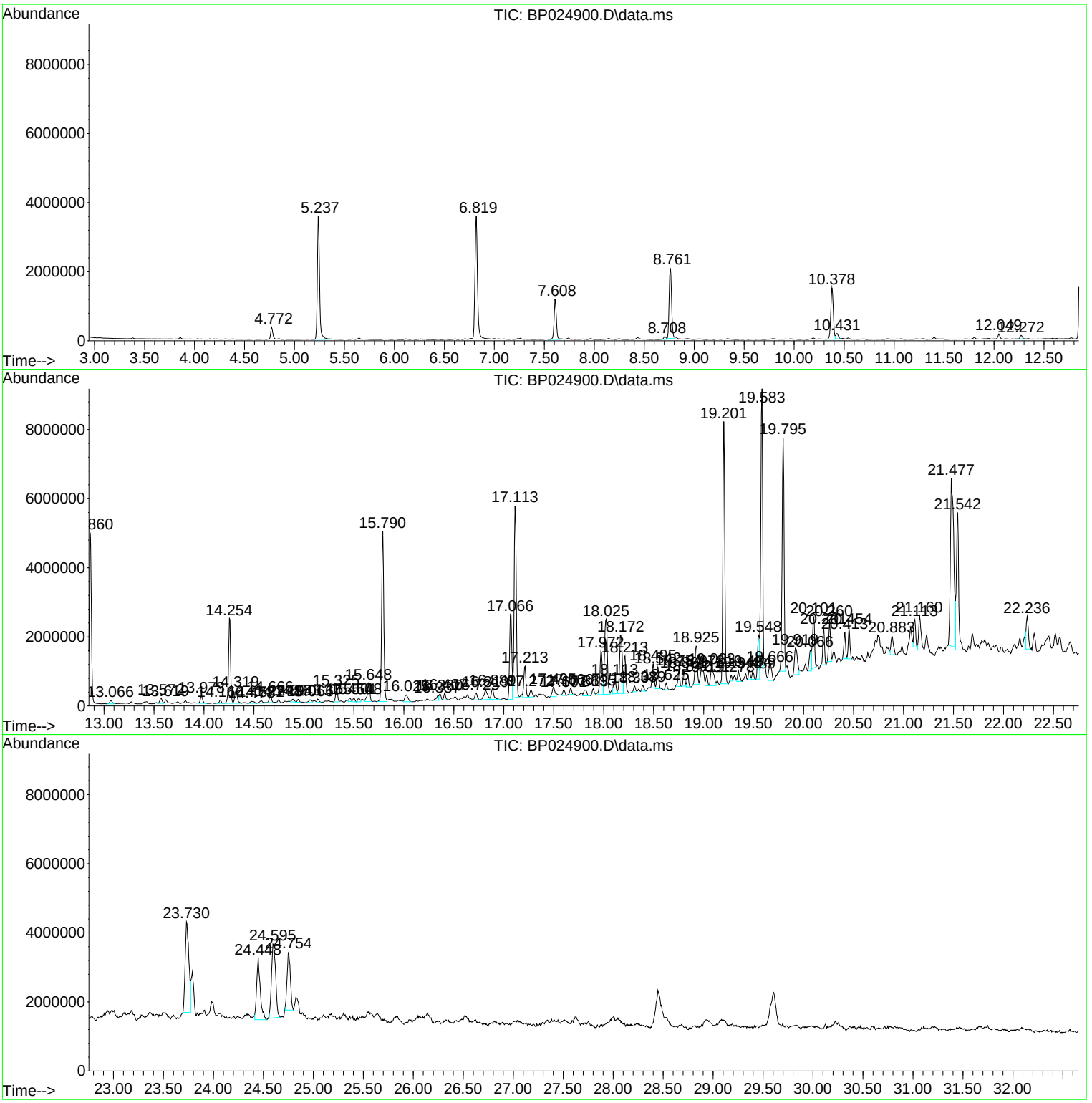
Sum of corrected areas: 167712015

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024900.D
Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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\BP061025\
Data File : BP024900.D
Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

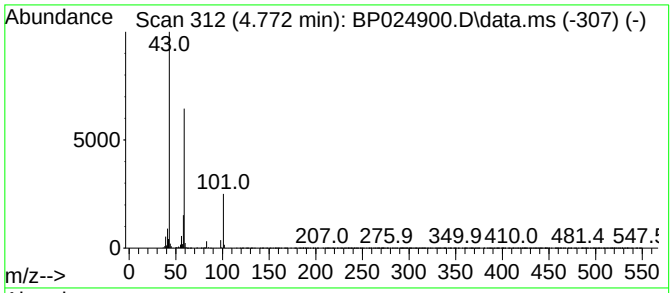
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

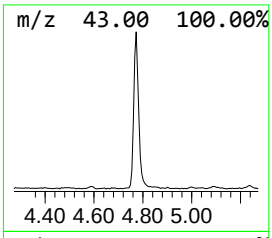
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

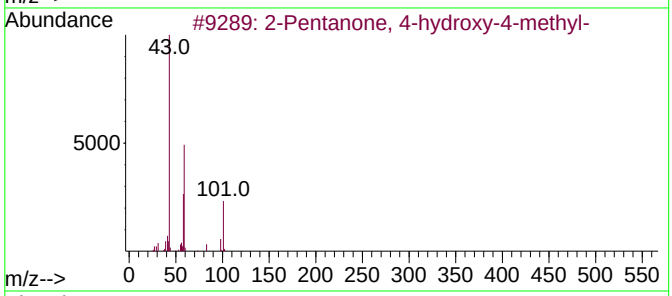
****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

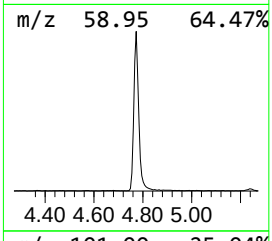
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.772	5.35 ng	481155	1,4-Dichlorobenzene-d4	7.608

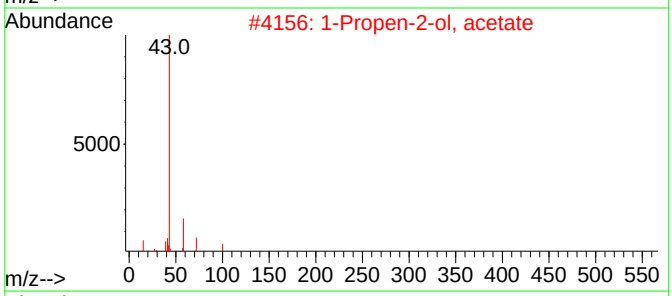
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9

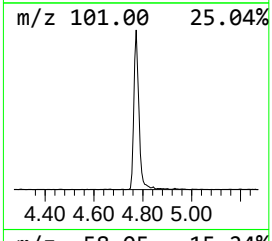


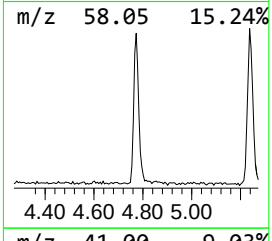


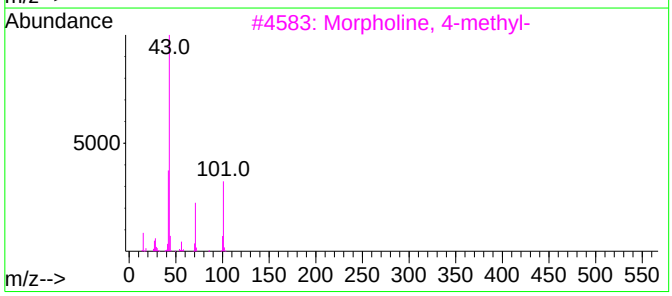


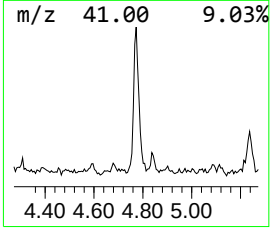












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024900.D
Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

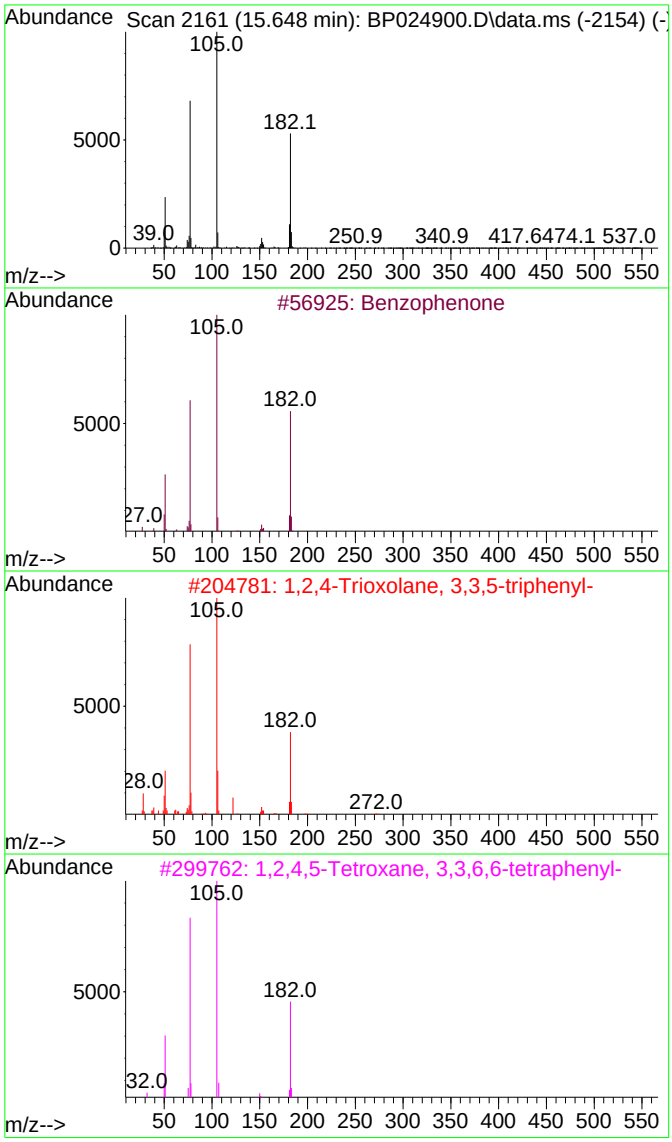
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

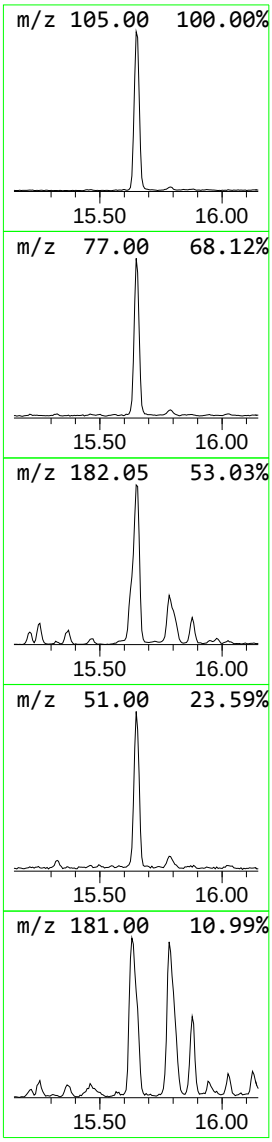
****

Peak Number 2 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.648	5.36 ng	929350	Acenaphthene-d10	14.260

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	64
3	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
4	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
5	Azobenzene	182	C12H10N2	000103-33-3	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024900.D
Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

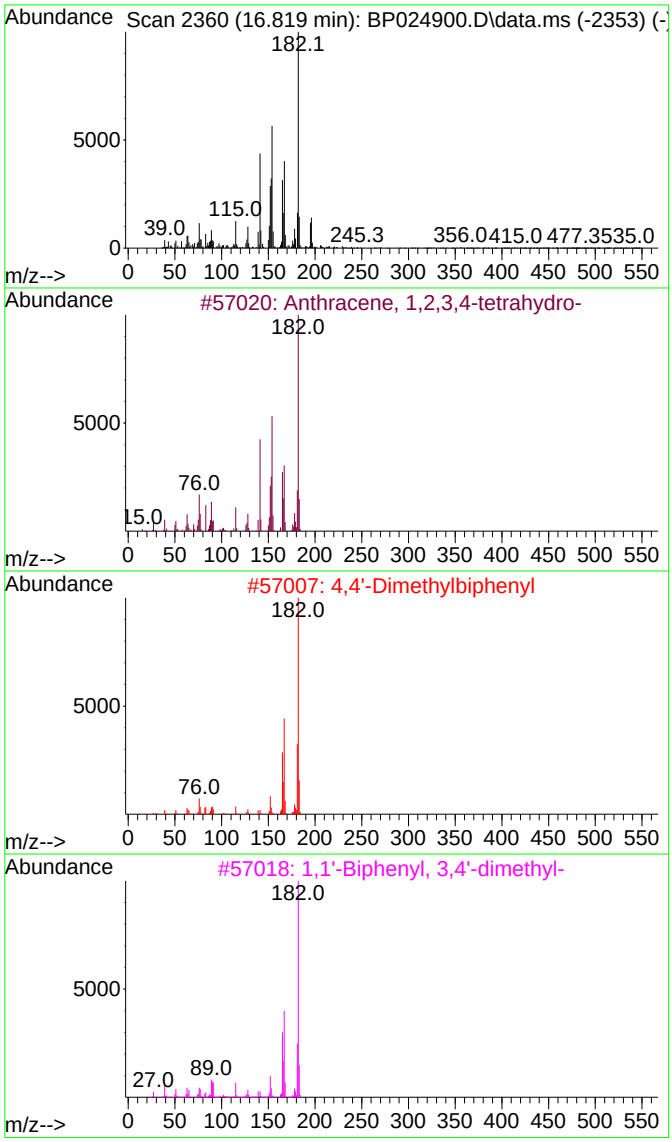
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

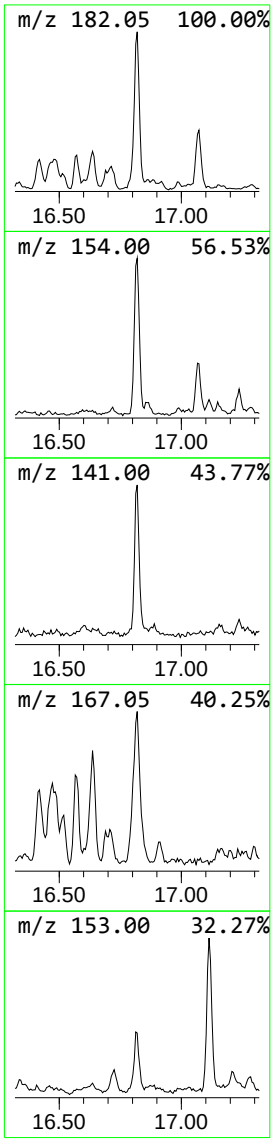
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.819	3.49 ng	673068	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	64
3	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	55
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	55
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024900.D
Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

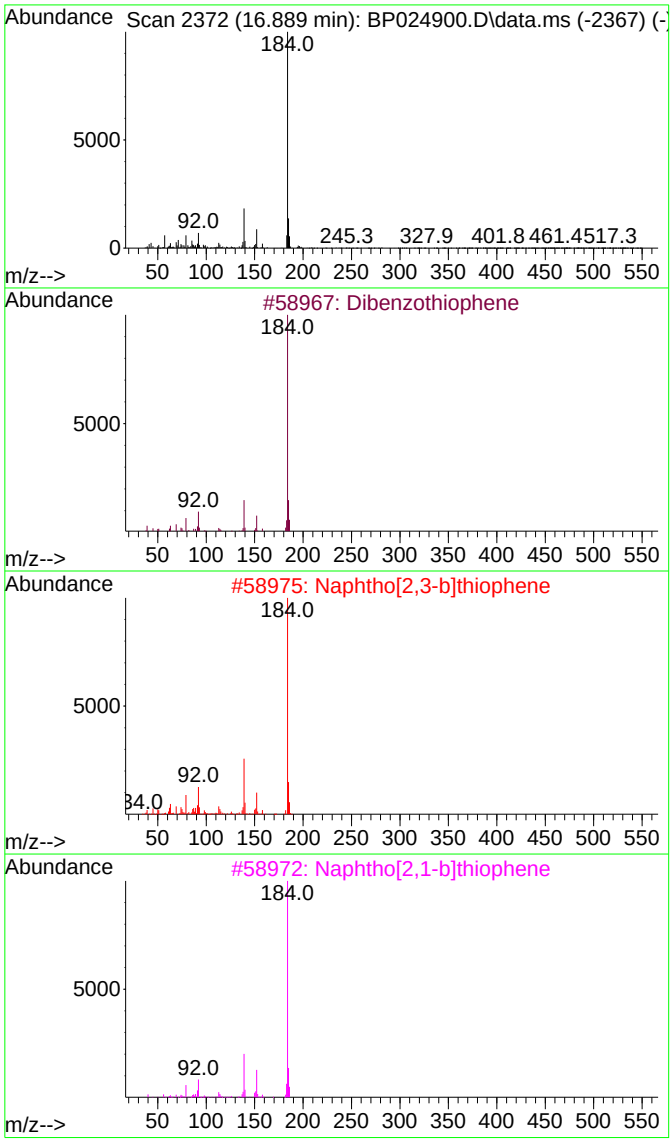
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

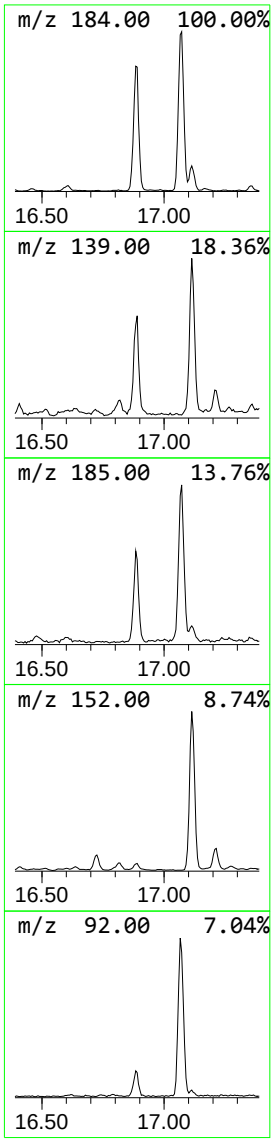
****

Peak Number 4 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.890	2.93 ng	565163	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90





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Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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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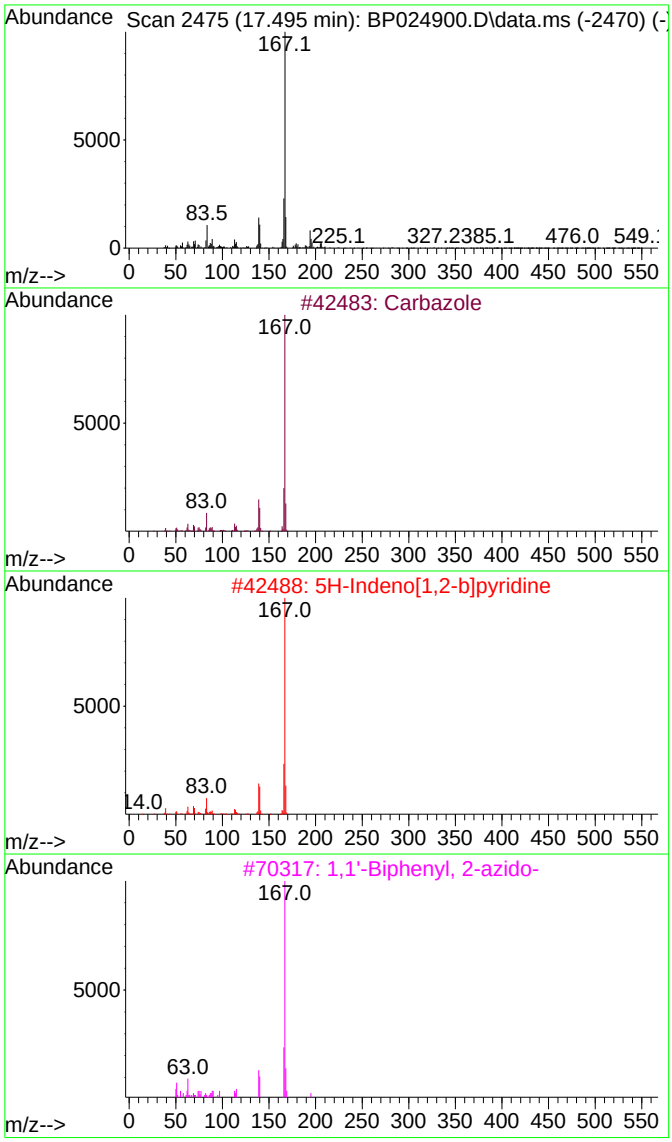
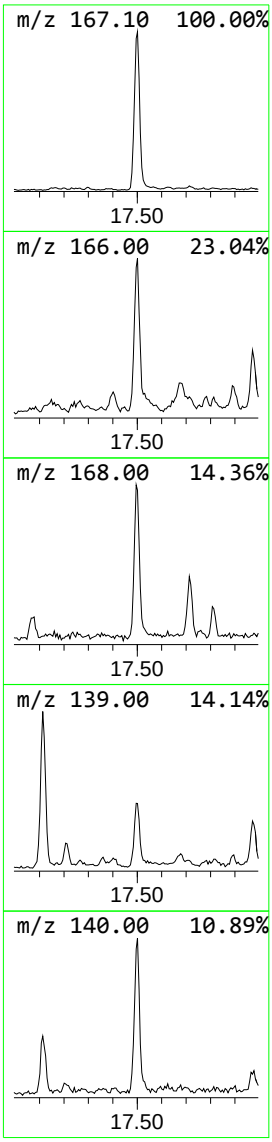
Peak Number 5 5H-Indeno[1,2-b]pyridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.495	2.74 ng	527556	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbazole	167	C12H9N	000086-74-8	94
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	93
3	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	87
4	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	80
5	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	78





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Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

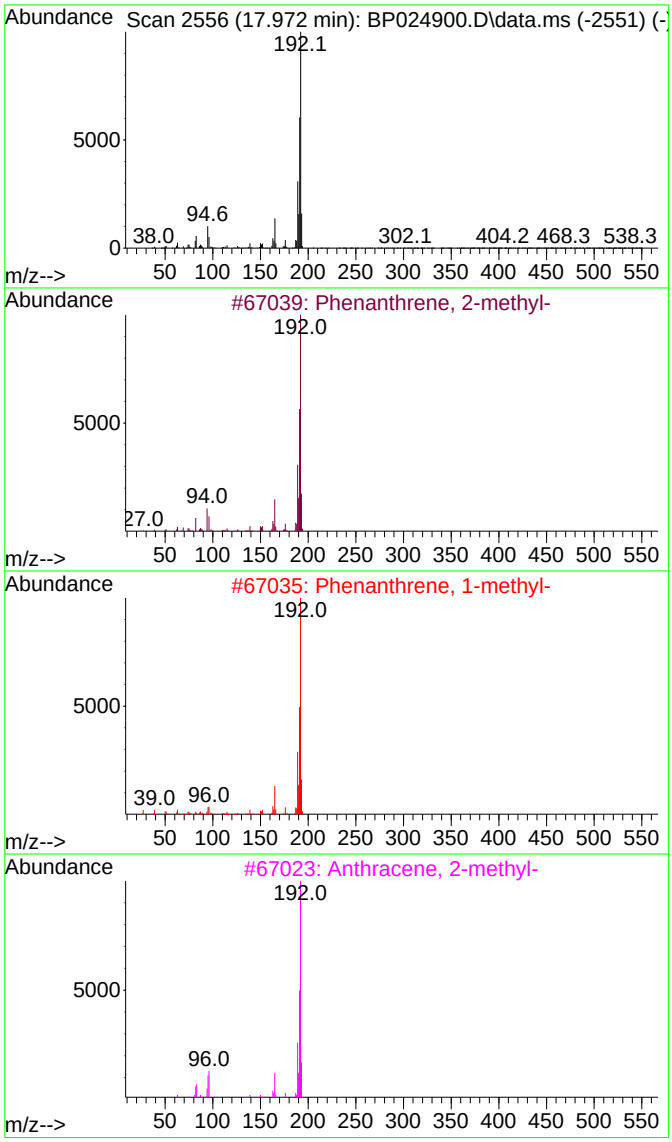
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

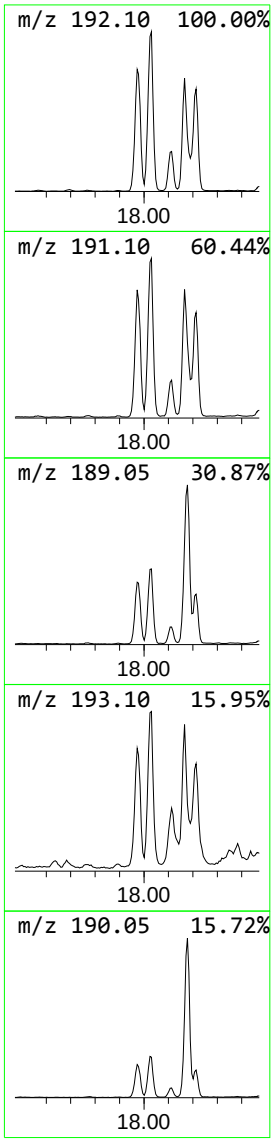
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.972	11.10 ng	2138600	Phenanthrene-d10	17.066

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	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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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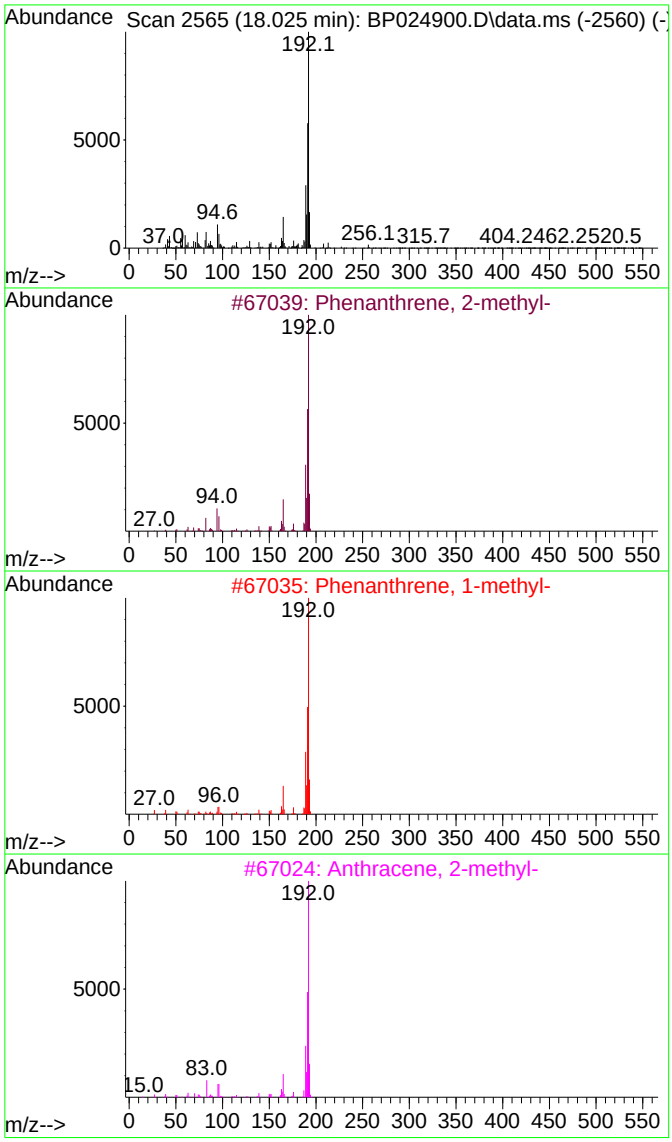
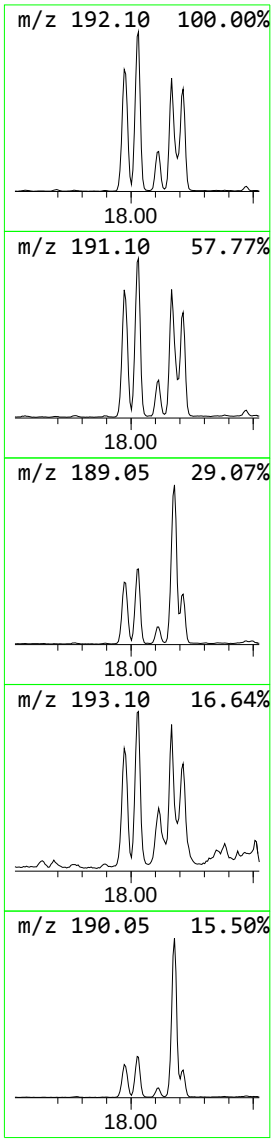
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.025	22.02 ng	4243350	Phenanthrene-d10	17.066

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

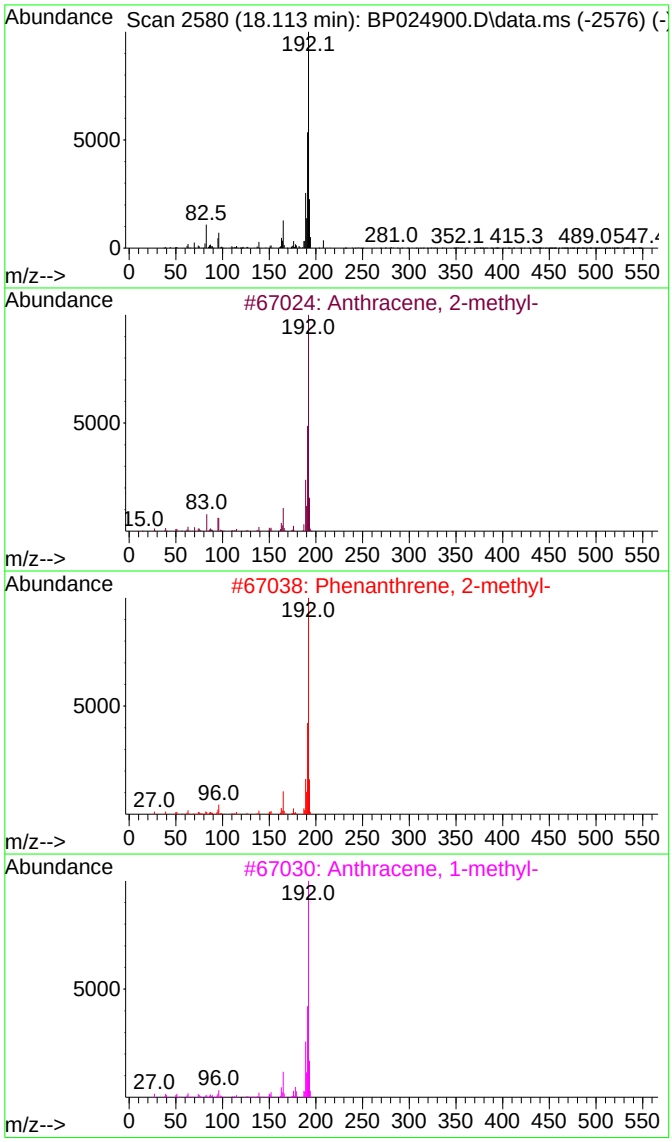
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

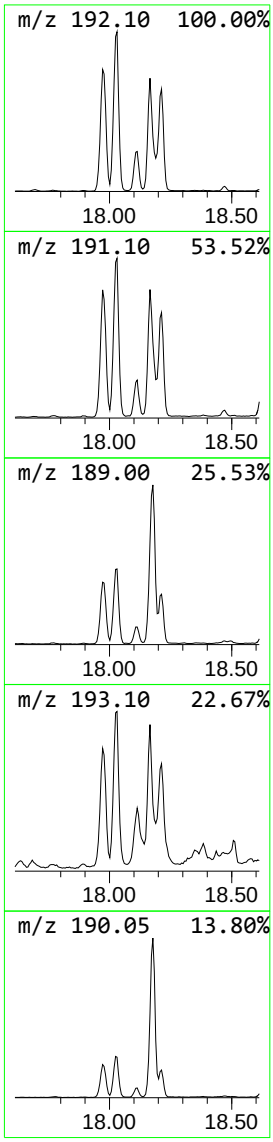
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.113	3.86 ng	742890	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87





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Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-1

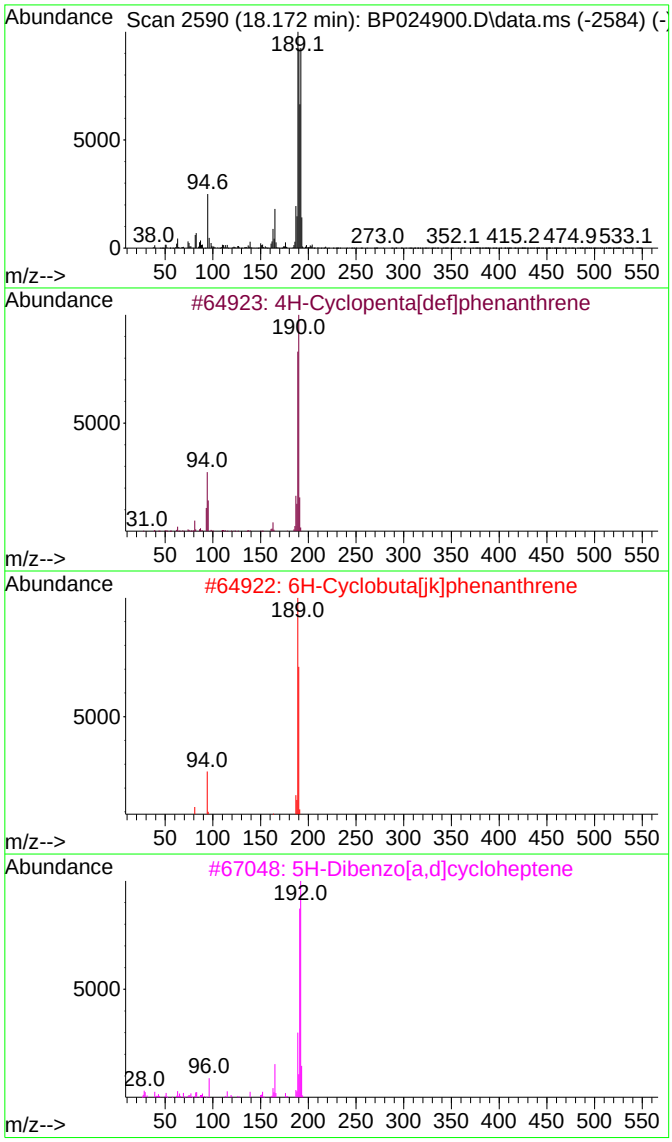
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

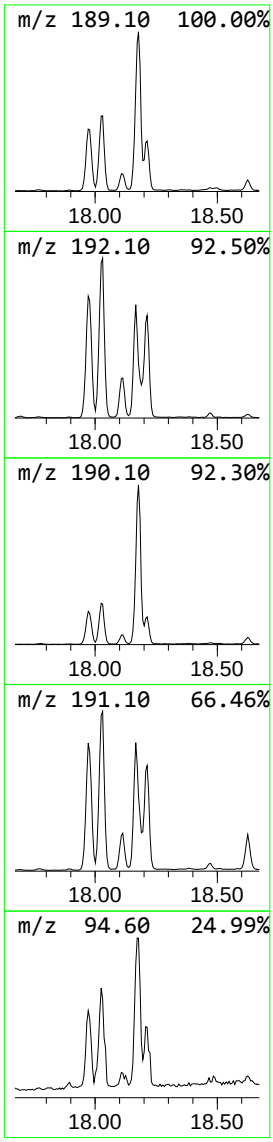
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.172	16.69 ng	3214700	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	38
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





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Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

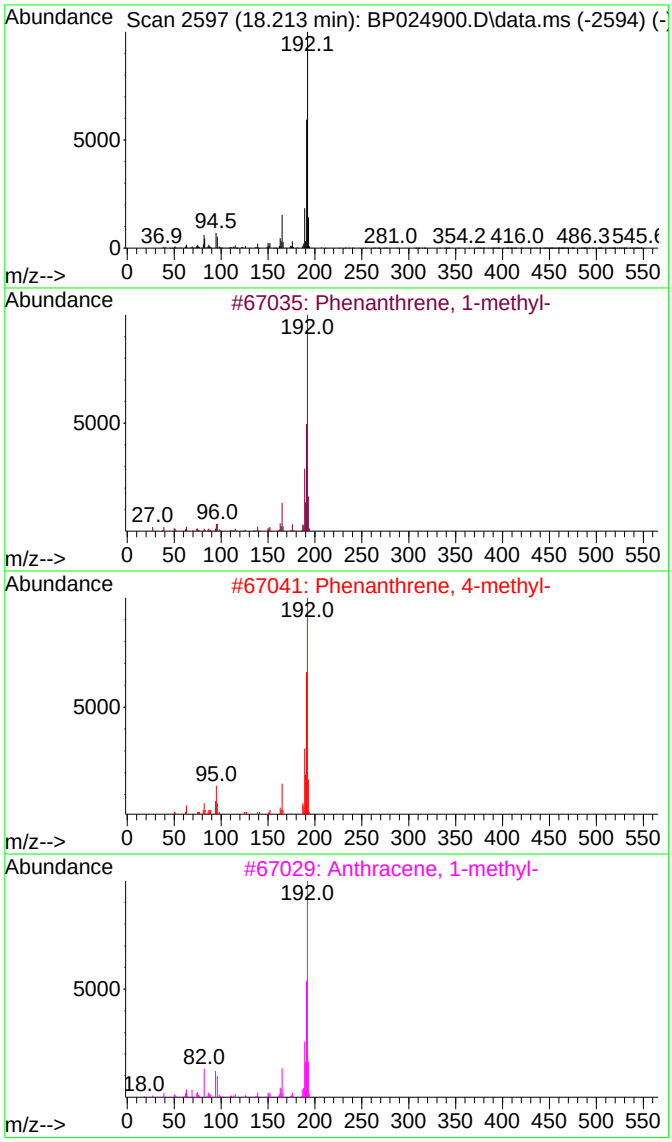
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

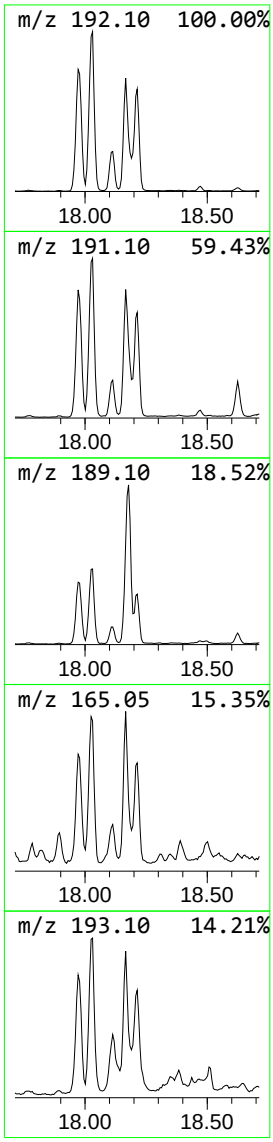
****

Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.213	7.68 ng	1480270	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





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Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

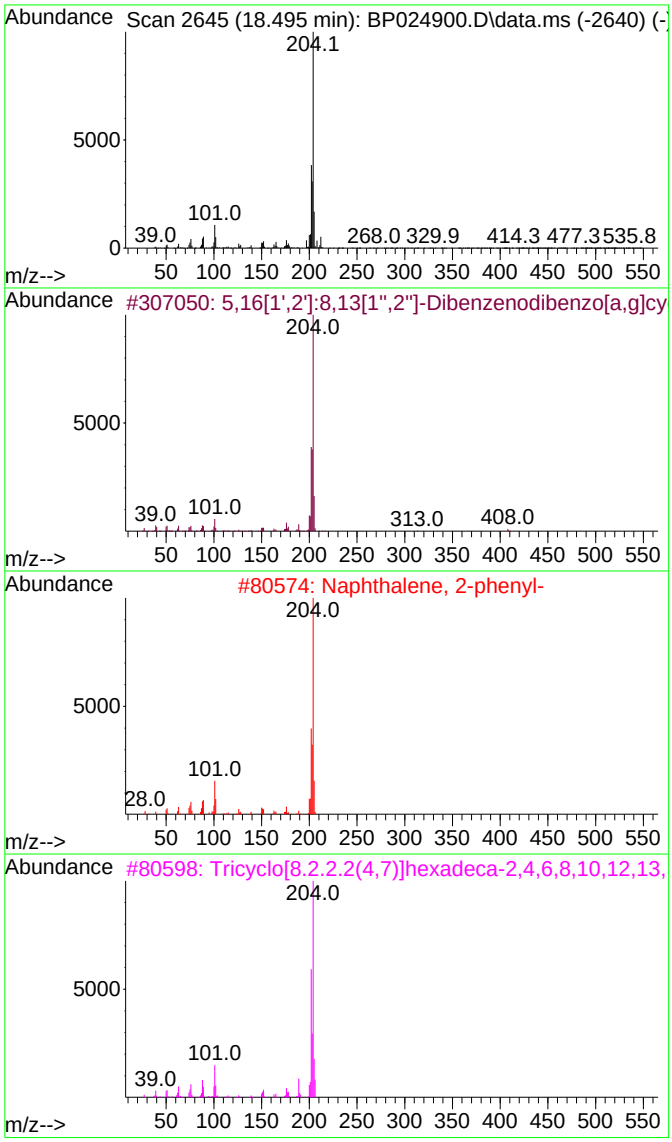
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

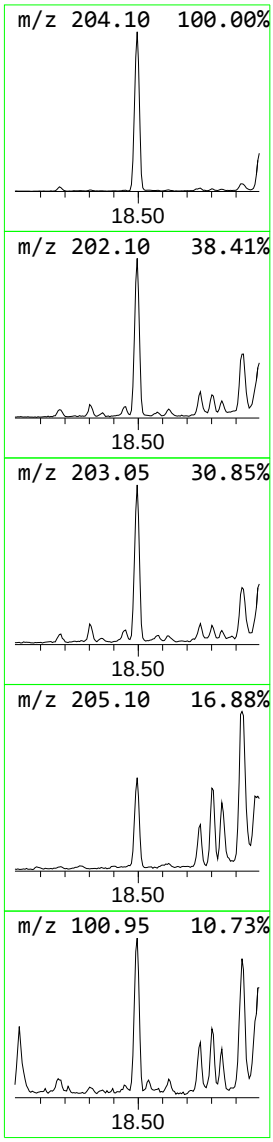
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.495	4.94 ng	952364	Phenanthrene-d10	17.066

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	70
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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Sample : Q2240-09
Misc :
ALS Vial : 14 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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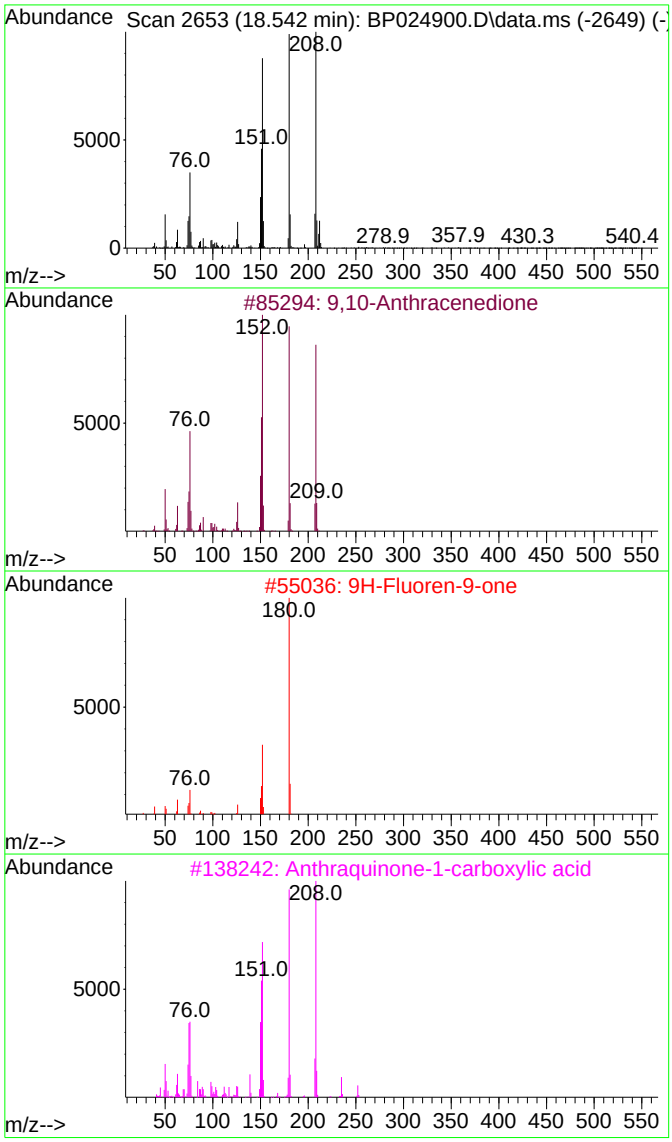
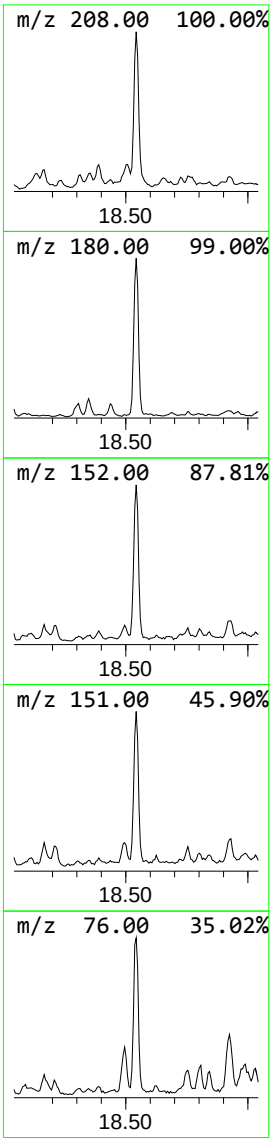
Peak Number 12 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.542	4.55 ng	876588	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	86
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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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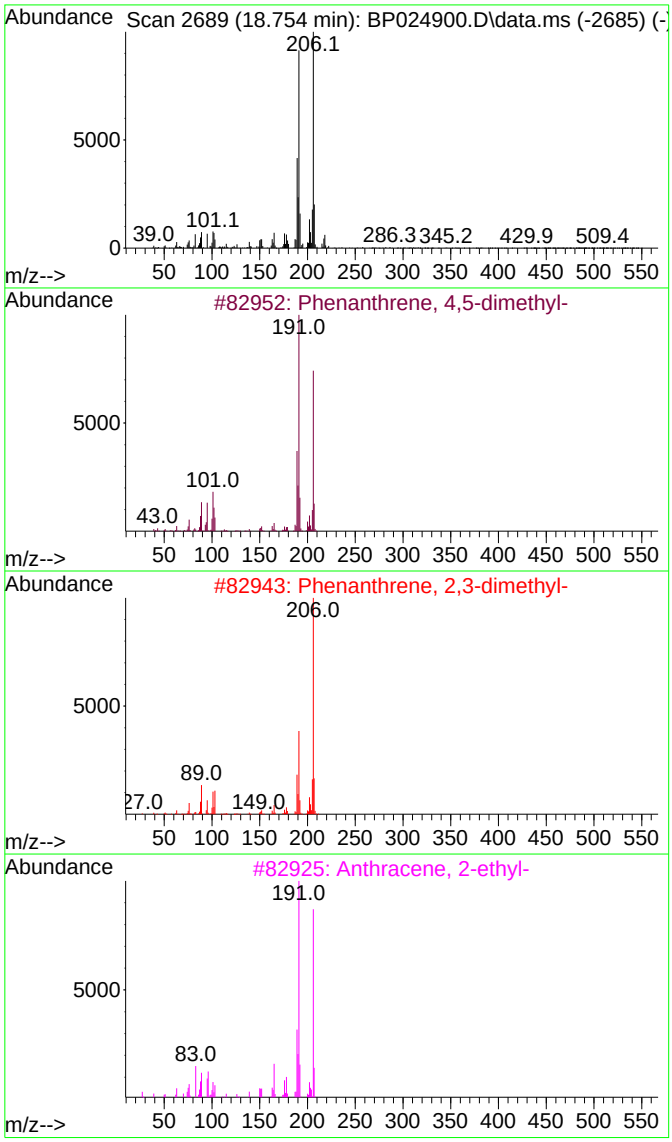
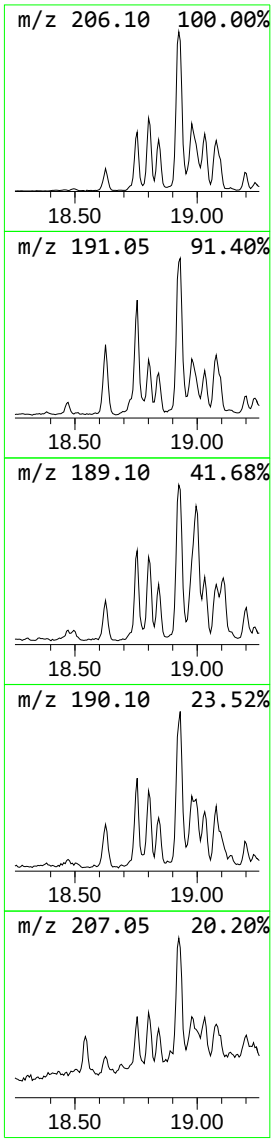
Peak Number 13 Phenanthrene, 4,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.754	2.97 ng	572789	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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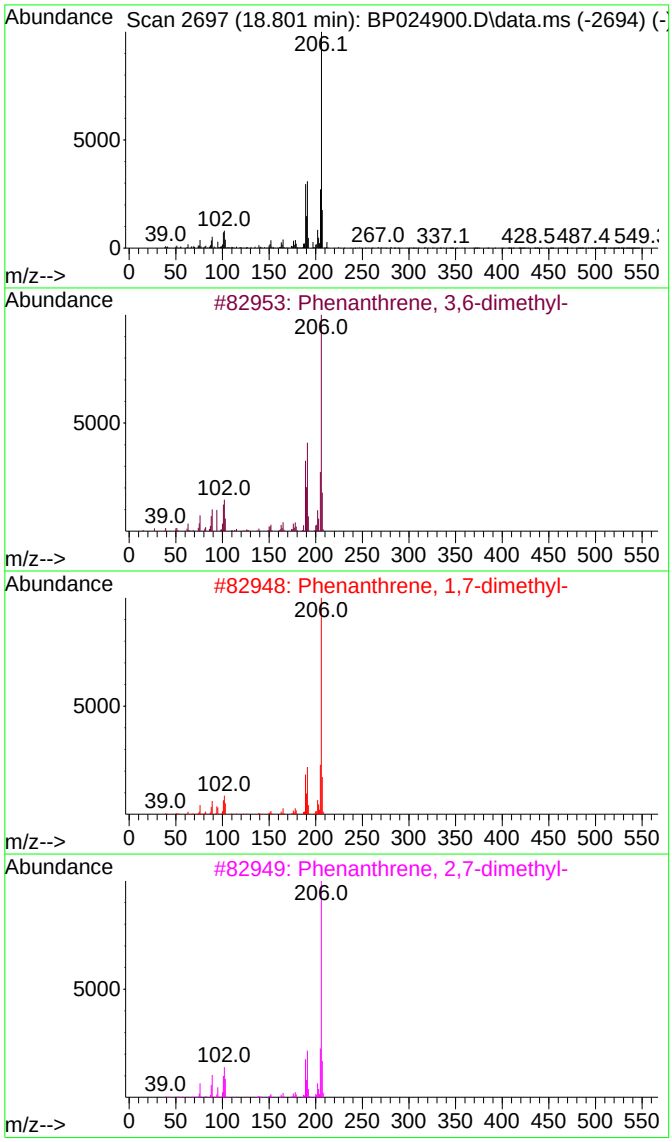
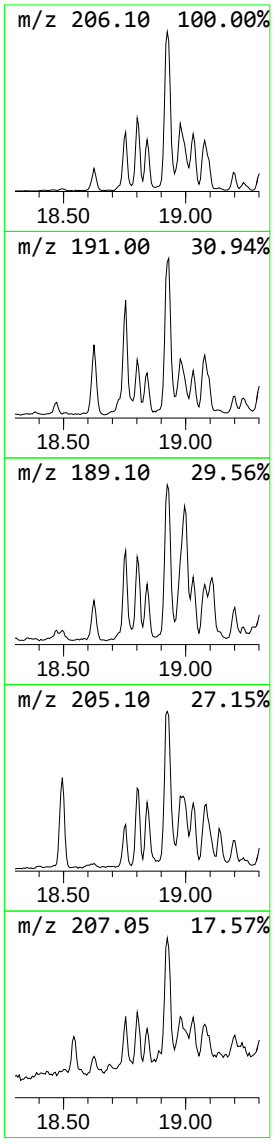
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.801	2.70 ng	519535	Phenanthrene-d10	17.066

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





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Sample : Q2240-09
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

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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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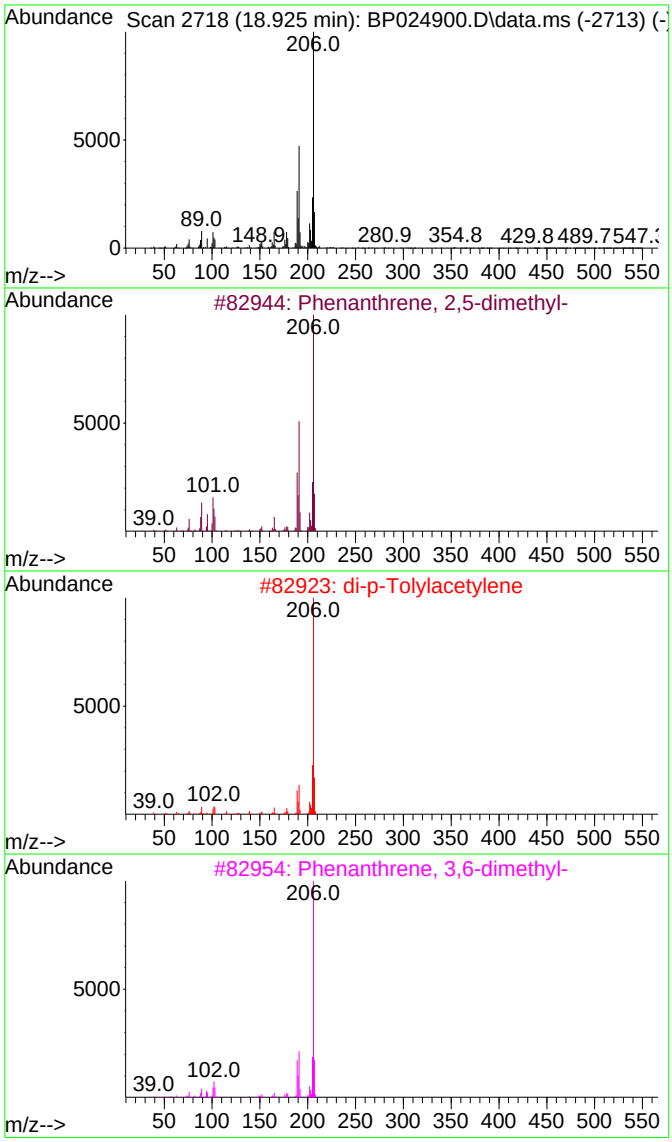
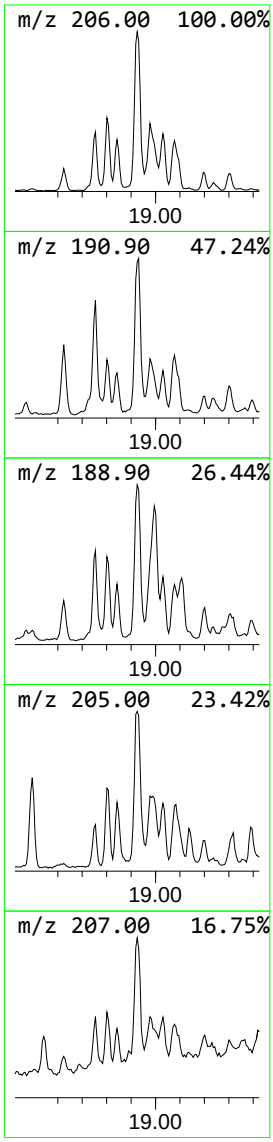
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.925	9.47 ng	1823780	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

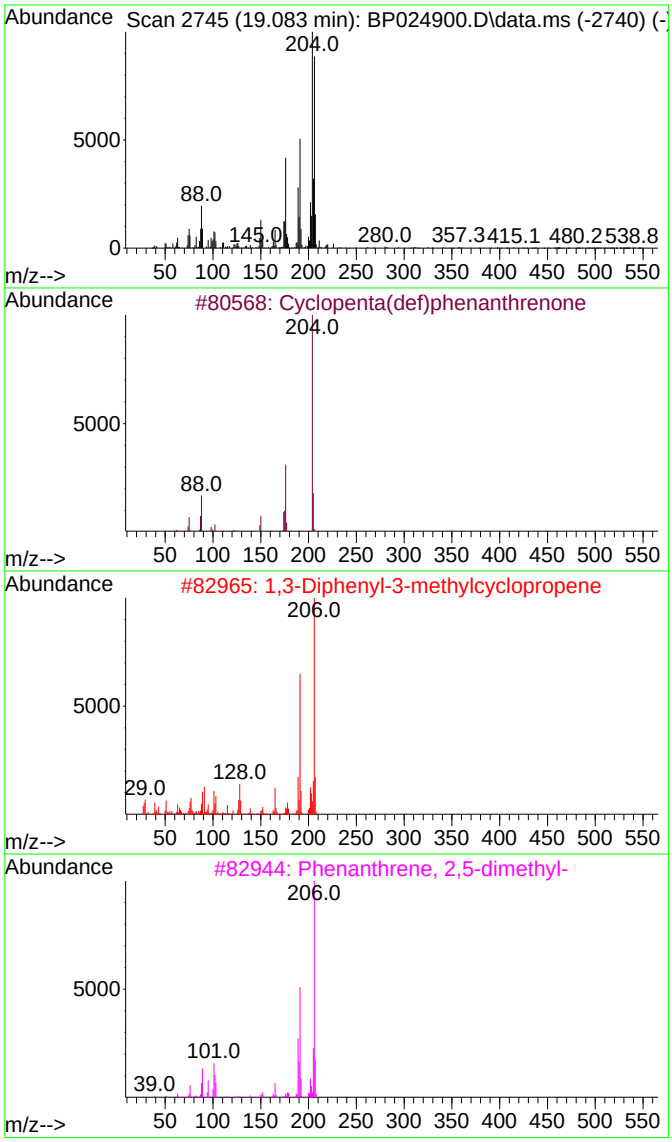
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

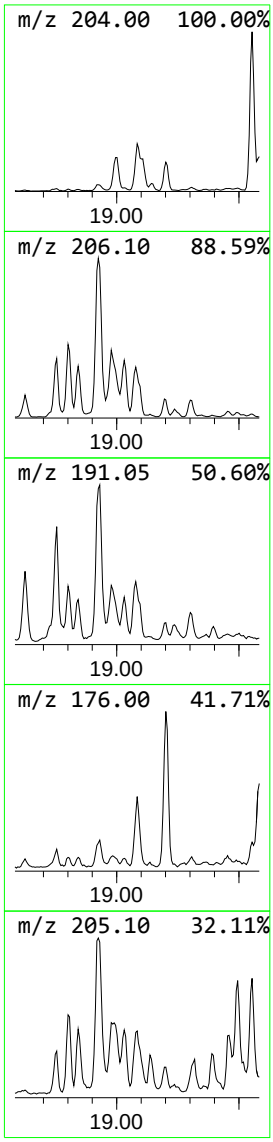
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.084	6.18 ng	1190830	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	83
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	50
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024900.D
Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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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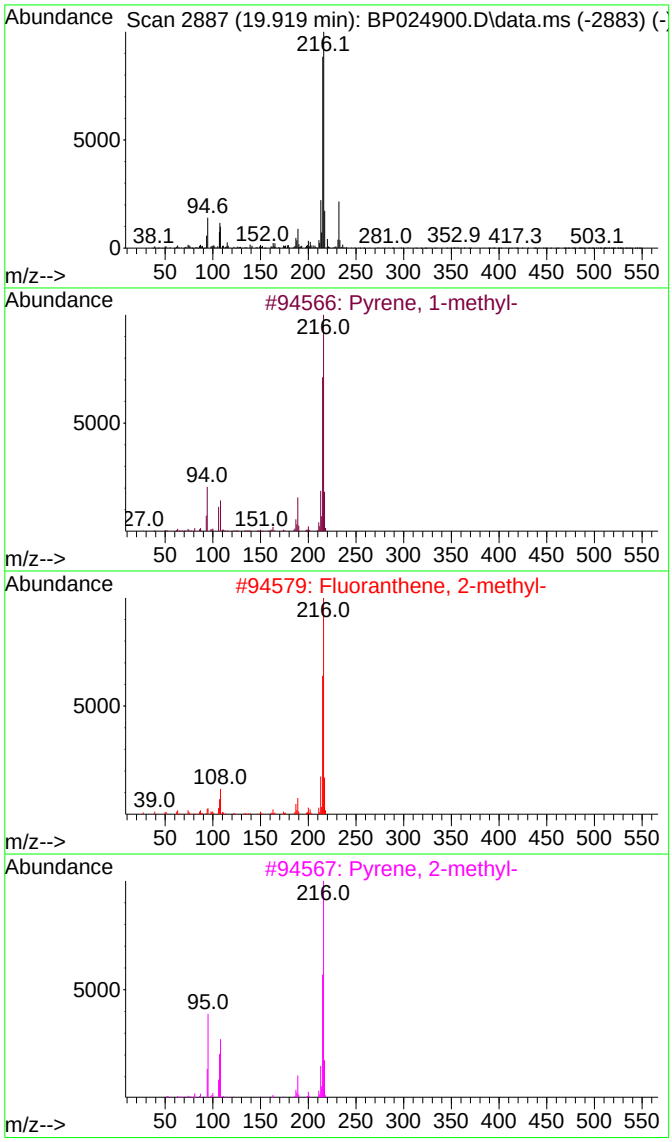
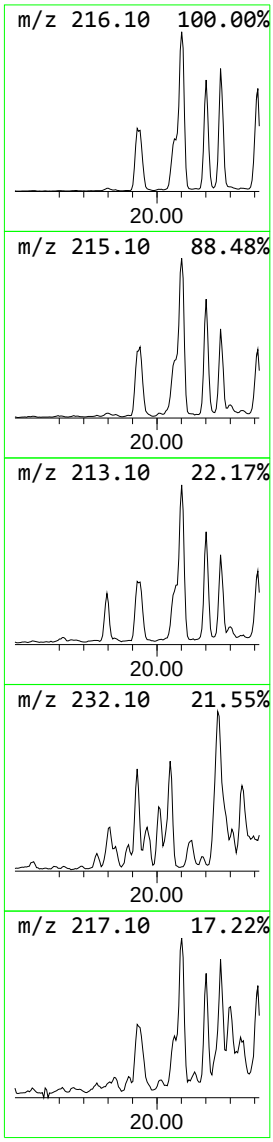
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.919	2.85 ng	1646680	Chrysene-d12	21.495

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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Data File : BP024900.D
Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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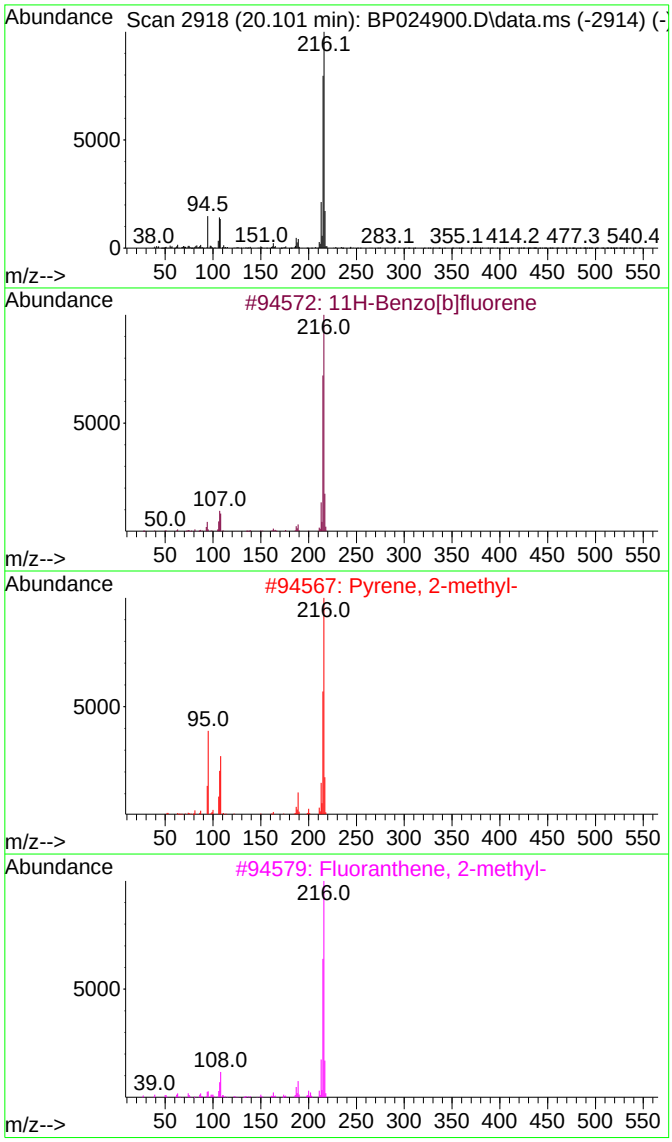
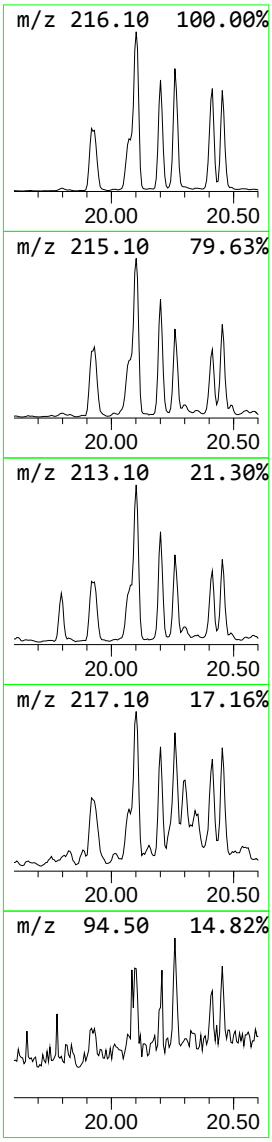
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.101	3.87 ng	2234690	Chrysene-d12	21.495

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Data File : BP024900.D
Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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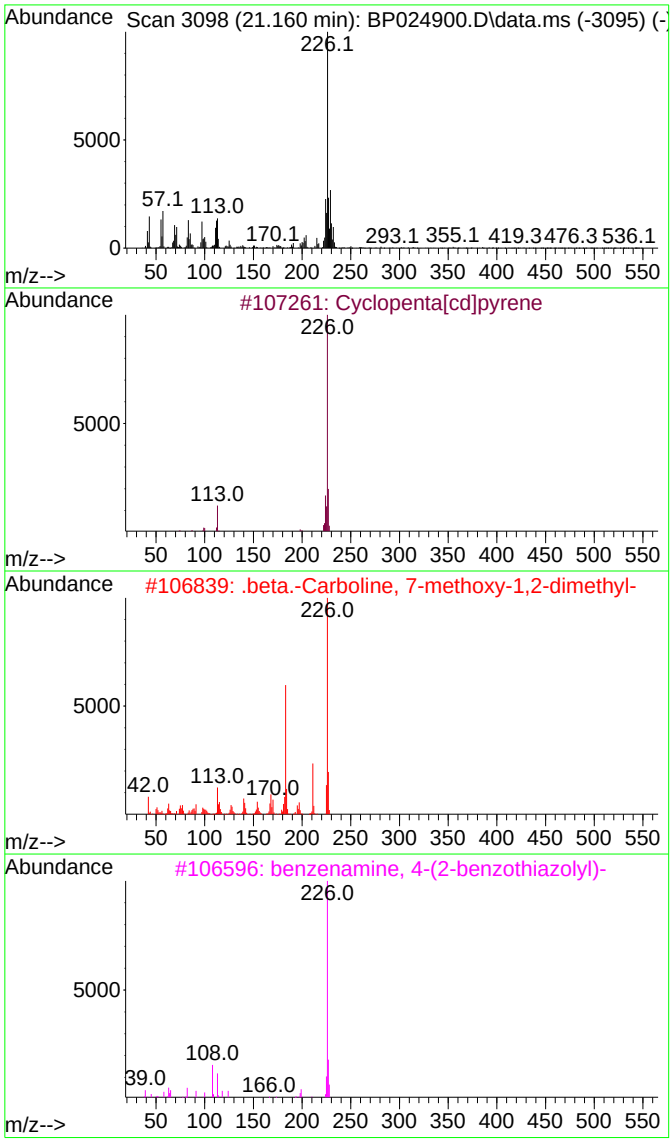
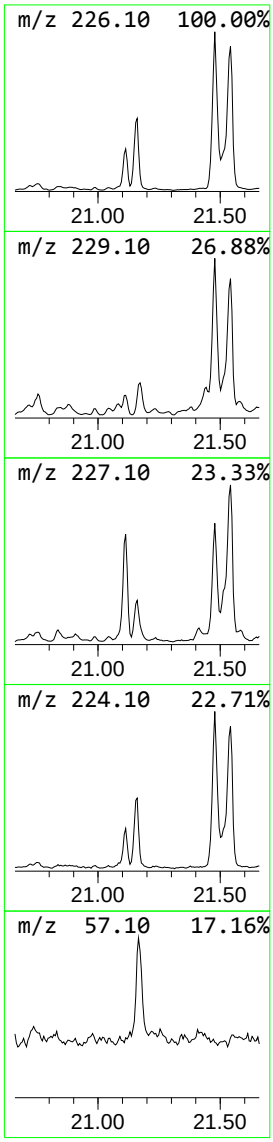
Peak Number 19 Cyclopenta[cd]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.160	2.72 ng	1568890	Chrysene-d12	21.495

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	60
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
3	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	50
4	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	50
5	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	50





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Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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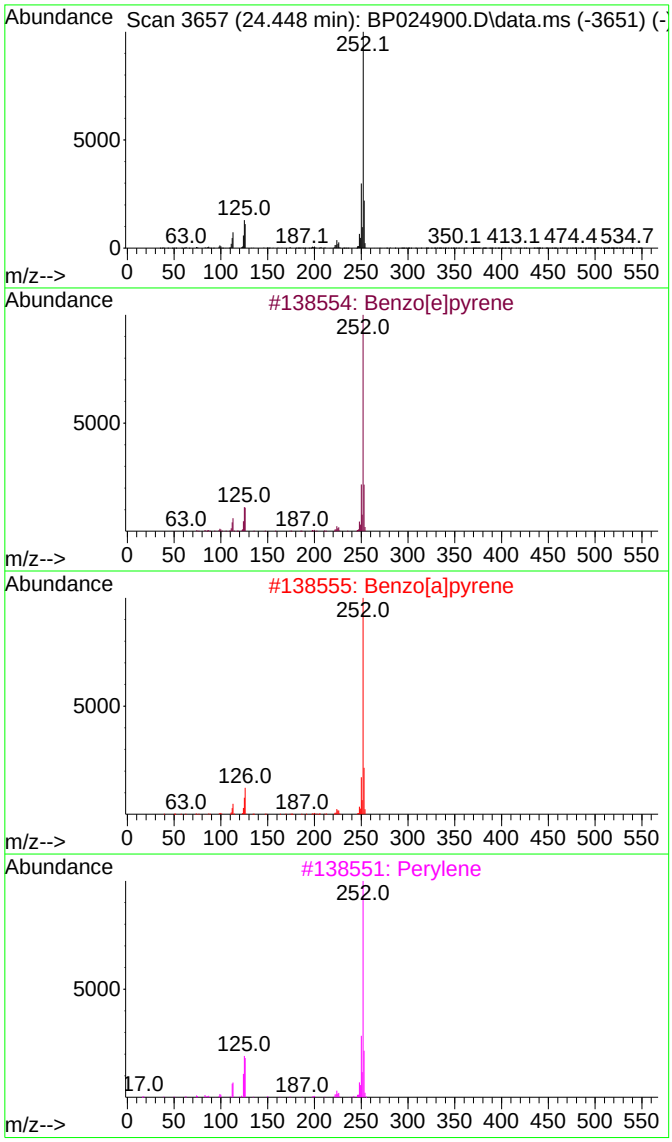
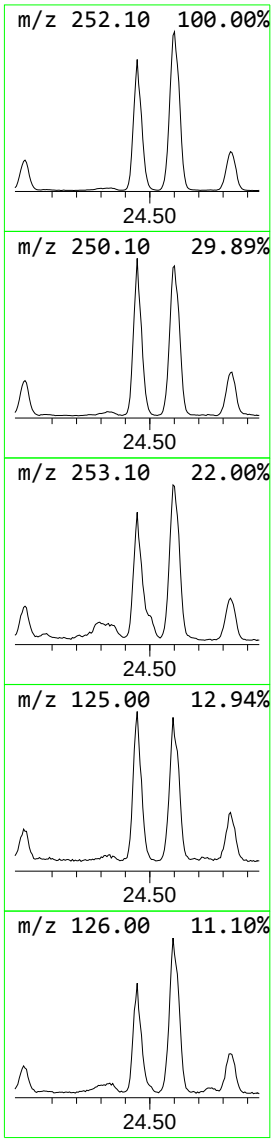
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.448	22.98 ng	4428170	Perylene-d12	24.754

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024900.D
Acq On : 10 Jun 2025 19:10
Operator : RC/JU
Sample : Q2240-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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
2-Pentanone, 4-...	4.772	5.3	ng	481155	1	7.608	1799470	20.0
Benzophenone	15.648	5.4	ng	929350	3	14.260	3469250	20.0
Anthracene, 1,2...	16.819	3.5	ng	673068	4	17.066	3853260	20.0
Dibenzothiophene	16.890	2.9	ng	565163	4	17.066	3853260	20.0
5H-Indeno[1,2-b...	17.495	2.7	ng	527556	4	17.066	3853260	20.0
Phenanthrene, 2...	17.972	11.1	ng	2138600	4	17.066	3853260	20.0
Phenanthrene, 1...	18.025	22.0	ng	4243350	4	17.066	3853260	20.0
Anthracene, 2-m...	18.113	3.9	ng	742890	4	17.066	3853260	20.0
4H-Cyclopenta[d...	18.172	16.7	ng	3214700	4	17.066	3853260	20.0
Phenanthrene, 4...	18.213	7.7	ng	1480270	4	17.066	3853260	20.0
5,16[1',2']:8,1...	18.495	4.9	ng	952364	4	17.066	3853260	20.0
9,10-Anthracene...	18.542	4.5	ng	876588	4	17.066	3853260	20.0
Phenanthrene, 4...	18.754	3.0	ng	572789	4	17.066	3853260	20.0
Phenanthrene, 3...	18.801	2.7	ng	519535	4	17.066	3853260	20.0
Phenanthrene, 2...	18.925	9.5	ng	1823780	4	17.066	3853260	20.0
Cyclopenta(def)...	19.084	6.2	ng	1190830	4	17.066	3853260	20.0
Pyrene, 1-methyl-	19.919	2.9	ng	1646680	5	21.495	11548000	20.0
11H-Benzo[b]flu...	20.101	3.9	ng	2234690	5	21.495	11548000	20.0
Cyclopenta[cd]p...	21.160	2.7	ng	1568890	5	21.495	11548000	20.0
Benzo[e]pyrene	24.448	23.0	ng	4428170	6	24.754	3853570	20.0