LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
Data File : BP024934.D
Acq On : 12 Jun 2025 17:55
Operator : RC/JU
Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-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: BP024934.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.773	306	312	321	rBV	289753	404553	2.28%	0.177%
2	5.237	385	391	408	rBV	2564309	4024895	22.73%	1.758%
3	6.820	652	660	689	rBV	2425132	4482343	25.31%	1.958%
4	7.608	785	794	802	rBV	879897	1437549	8.12%	0.628%
5	8.137	878	884	896	rBV	83851	183639	1.04%	0.080%
6	8.761	983	990	1003	rBV	1722172	2903543	16.40%	1.268%
7	10.378	1255	1265	1271	rBV	1113734	1952171	11.02%	0.853%
8	12.860	1677	1687	1702	rBV	4563992	6305142	35.60%	2.754%
9	13.707	1826	1831	1841	rBV	134529	230969	1.30%	0.101%
10	13.972	1870	1876	1889	rBV	938068	1500260	8.47%	0.655%
11	14.254	1916	1924	1930	rBV	1739401	2553678	14.42%	1.115%
12	14.313	1930	1934	1943	rVB	132685	223394	1.26%	0.098%
13	14.872	2023	2029	2034	rBV2	115578	241026	1.36%	0.105%
14	15.143	2070	2075	2081	rBV2	146906	216761	1.22%	0.095%
15	15.325	2101	2106	2118	rVB2	159290	396311	2.24%	0.173%
16	15.531	2137	2141	2152	rBV3	91437	190535	1.08%	0.083%
17	15.643	2152	2160	2169	rBV	613523	1101806	6.22%	0.481%
18	15.784	2174	2184	2192	rBV	4107227	5880208	33.20%	2.569%
19	16.025	2217	2225	2233	rBV4	189310	455606	2.57%	0.199%
20	16.354	2274	2281	2286	rBV4	101932	252417	1.43%	0.110%
21	16.713	2338	2342	2349	rVB	176406	261512	1.48%	0.114%
22	16.872	2365	2369	2378	rVB	231812	387441	2.19%	0.169%
23	17.066	2395	2402	2405	rBV2	2115161	3106152	17.54%	1.357%
24	17.107	2405	2409	2414	rVB	3774120	4737260	26.75%	2.069%
25	17.195	2419	2424	2431	rVV	1114219	1862555	10.52%	0.814%
26	17.260	2431	2435	2441	rVB2	147619	316249	1.79%	0.138%
27	17.490	2466	2474	2482	rBV2	311501	771869	4.36%	0.337%
28	17.595	2488	2492	2500	rVB2	157055	241849	1.37%	0.106%
29	17.666	2500	2504	2512	rVB2	235164	427510	2.41%	0.187%
30	17.813	2525	2529	2534	rVB	145156	242904	1.37%	0.106%
31	17.884	2537	2541	2546	rVV3	108260	191525	1.08%	0.084%
32	17.972	2549	2556	2559	rVV	900895	1431000	8.08%	0.625%
33	18.013	2559	2563	2571	rVV2	2175983	3572792	20.17%	1.561%
34	18.101	2574	2578	2582	rVV	496530	665339	3.76%	0.291%
35	18.166	2583	2589	2593	rVV2	1344091	2594189	14.65%	1.133%
36	18.207	2593	2596	2604	rVB	739448	1052385	5.94%	0.460%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
Data File : BP024934.D
Acq On : 12 Jun 2025 17:55
Operator : RC/JU
Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-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	18.307	2607	2613	2616	rBV5	165661	343053	1.94%	0.150%
38	18.384	2622	2626	2631	rBV2	204348	275767	1.56%	0.120%
39	18.442	2633	2636	2640	rVV5	170134	305563	1.73%	0.133%
40	18.489	2640	2644	2648	rVV	686242	1014911	5.73%	0.443%
41	18.542	2648	2653	2662	rVB	707113	1074674	6.07%	0.469%
42	18.719	2679	2683	2685	rBV	190972	257537	1.45%	0.112%
43	18.748	2685	2688	2693	rVB	294024	325250	1.84%	0.142%
44	18.801	2693	2697	2700	rVB	469240	511571	2.89%	0.223%
45	18.842	2700	2704	2708	rVB2	394423	478501	2.70%	0.209%
46	18.919	2712	2717	2722	rBV	982737	1661192	9.38%	0.726%
47	18.972	2722	2726	2727	rBV2	381858	450003	2.54%	0.197%
48	19.025	2732	2735	2739	rVB2	375418	452509	2.56%	0.198%
49	19.078	2739	2744	2751	rBV3	780398	1445324	8.16%	0.631%
50	19.201	2759	2765	2771	rBV	12751925	15035820	84.90%	6.568%
51	19.272	2773	2777	2779	rVV	231563	297602	1.68%	0.130%
52	19.301	2779	2782	2786	rVV2	250238	318154	1.80%	0.139%
53	19.354	2786	2791	2797	rVB2	568292	1117060	6.31%	0.488%
54	19.454	2805	2808	2811	rVB	351027	427695	2.42%	0.187%
55	19.484	2811	2813	2818	rVV2	162509	216653	1.22%	0.095%
56	19.578	2820	2829	2838	rVV	10757884	17709599	100.00%	7.736%
57	19.660	2838	2843	2849	rVB2	766134	1242172	7.01%	0.543%
58	19.801	2857	2867	2871	rBV	6545924	9729068	54.94%	4.250%
59	19.919	2881	2887	2888	rBV2	1027178	1451517	8.20%	0.634%
60	20.060	2906	2911	2913	rBV3	838029	1291985	7.30%	0.564%
61	20.095	2915	2917	2921	rVB	1826420	2196603	12.40%	0.959%
62	20.201	2932	2935	2939	rBV	965449	1150084	6.49%	0.502%
63	20.260	2940	2945	2950	rBV2	1562037	2396429	13.53%	1.047%
64	20.348	2958	2960	2964	rBV2	178763	241247	1.36%	0.105%
65	20.407	2967	2970	2974	rVV	1143528	1404461	7.93%	0.613%
66	20.454	2974	2978	2983	rVV2	977641	1462975	8.26%	0.639%
67	20.889	3048	3052	3059	rVB	1298073	1834005	10.36%	0.801%
68	20.983	3066	3068	3074	rVB	370975	447086	2.52%	0.195%
69	21.072	3076	3083	3087	rVV3	1464700	2960251	16.72%	1.293%
70	21.107	3087	3089	3094	rVV	1250308	1746996	9.86%	0.763%
71	21.160	3094	3098	3106	rVV4	1542938	3467823	19.58%	1.515%
72	21.236	3107	3111	3117	rVB	1231515	1923600	10.86%	0.840%
73	21.413	3138	3141	3144	rBV	561041	608547	3.44%	0.266%
74	21.483	3147	3153	3160	rVV3	6564124	16706218	94.33%	7.297%
75	21.548	3160	3164	3177	rVB	6106694	10619994	59.97%	4.639%
76	21.701	3186	3190	3193	rBV	762358	1156265	6.53%	0.505%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
Data File : BP024934.D
Acq On : 12 Jun 2025 17:55
Operator : RC/JU
Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-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	21.772	3200	3202	3214	rVB6	482650	997147	5.63%	0.436%
78	22.160	3265	3268	3273	rBV2	373910	615556	3.48%	0.269%
79	22.242	3278	3282	3289	rVB	1484825	2456928	13.87%	1.073%
80	22.319	3292	3295	3299	rVB	381470	561732	3.17%	0.245%
81	22.525	3326	3330	3334	rBV	794693	1241922	7.01%	0.542%
82	23.748	3527	3538	3543	rBV	4754332	16180552	91.37%	7.068%
83	24.001	3576	3581	3590	rVB	1074696	2327695	13.14%	1.017%
84	24.466	3652	3660	3674	rVB	3492350	9557504	53.97%	4.175%
85	24.613	3676	3685	3701	rVB	4437675	12631767	71.33%	5.518%
86	24.772	3706	3712	3718	rVV2	1416838	3468636	19.59%	1.515%
87	24.842	3719	3724	3732	rVB	1031282	2499820	14.12%	1.092%
88	28.495	4336	4345	4363	rVB3	2083062	10032182	56.65%	4.382%
89	29.624	4531	4537	4538	rBV	1247424	1808498	10.21%	0.790%

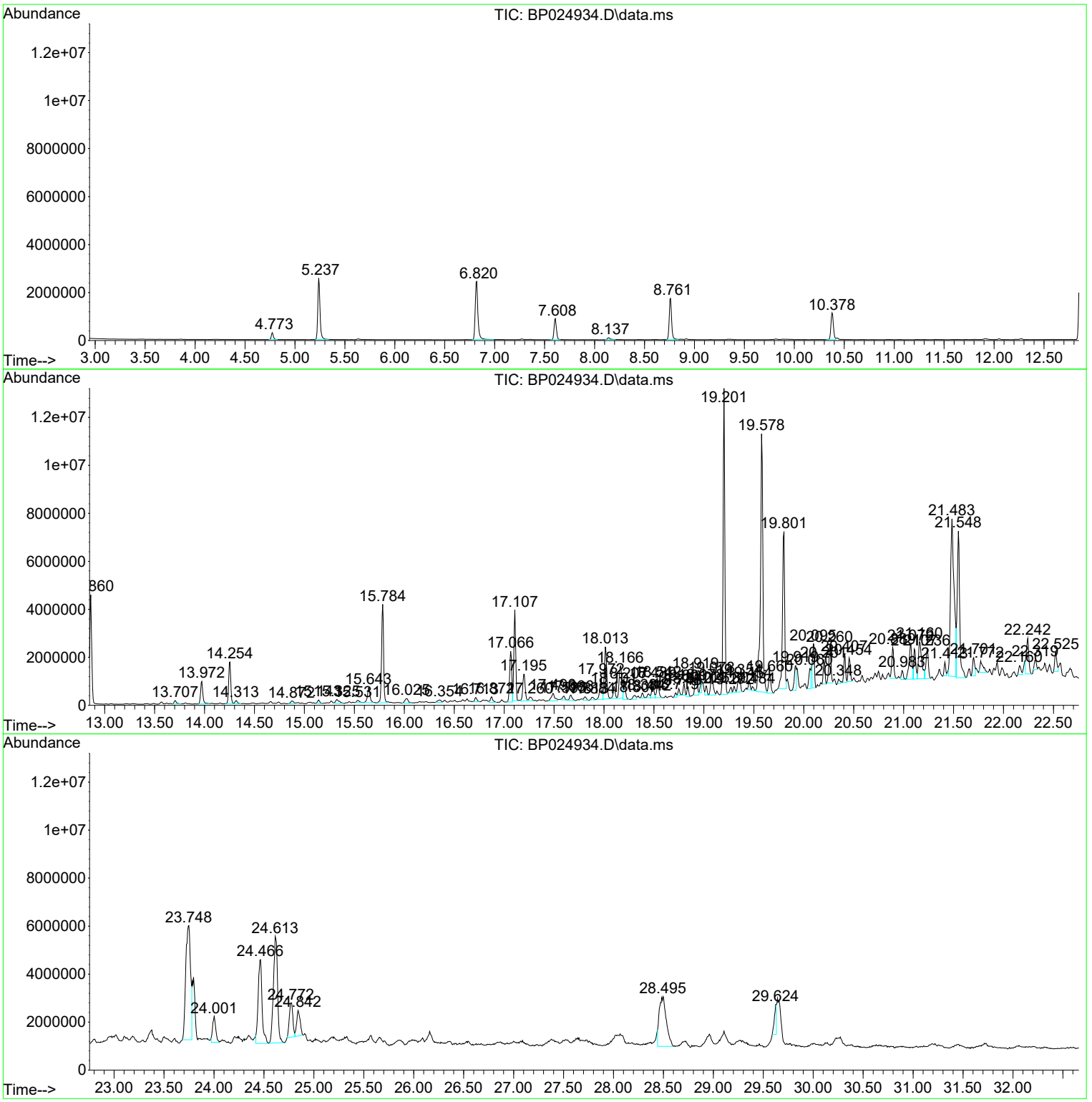
Sum of corrected areas: 228935040

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
Data File : BP024934.D
Acq On : 12 Jun 2025 17:55
Operator : RC/JU
Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-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\BP061225\
Data File : BP024934.D
Acq On : 12 Jun 2025 17:55
Operator : RC/JU
Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

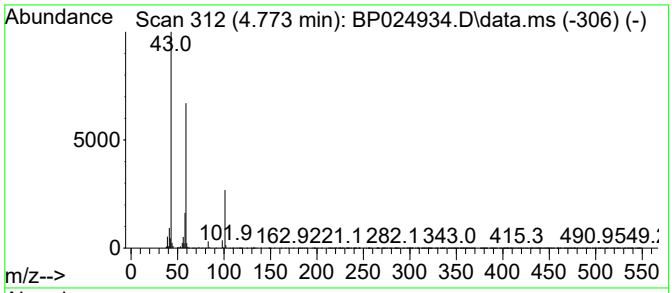
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

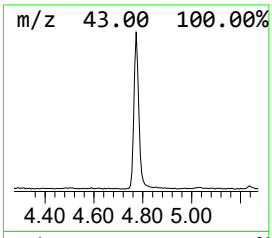
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

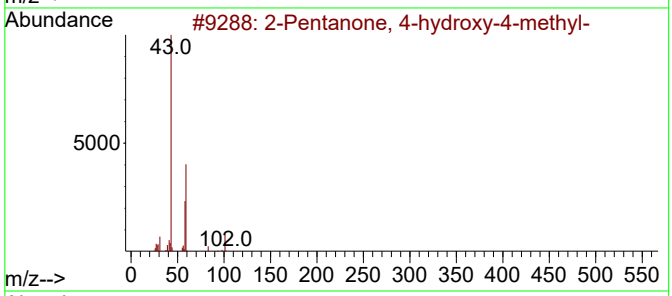
****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

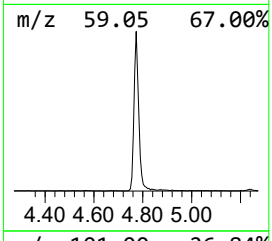
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.773	5.63 ng	404553	1,4-Dichlorobenzene-d4	7.608

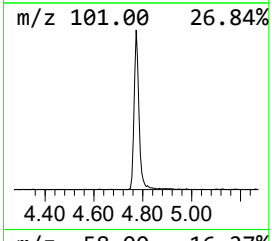
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	28
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10

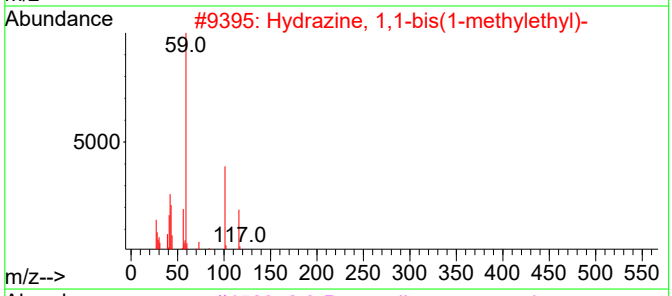


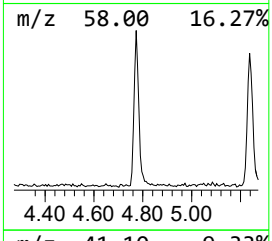


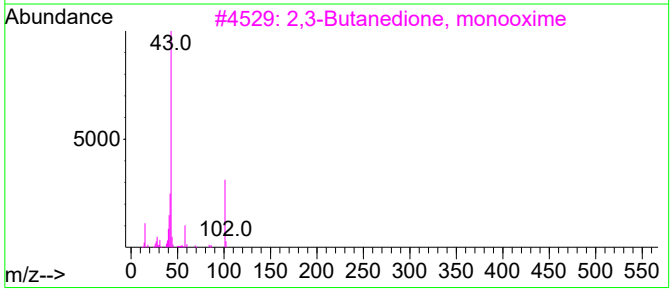


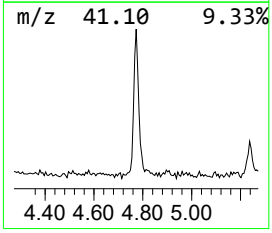












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
Data File : BP024934.D
Acq On : 12 Jun 2025 17:55
Operator : RC/JU
Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

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

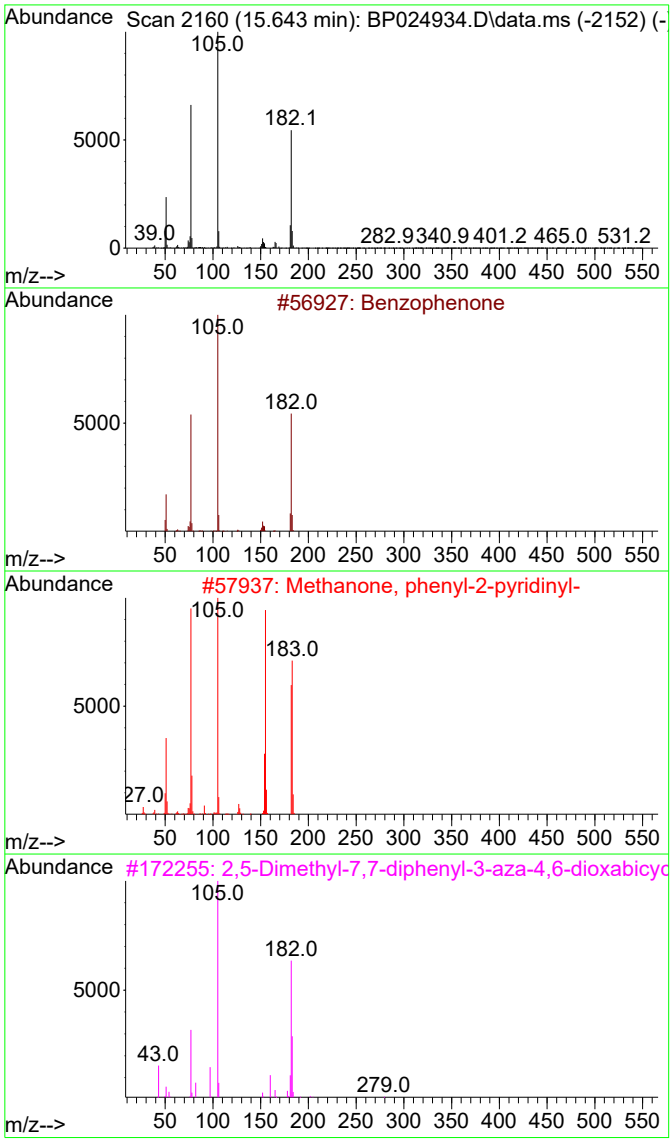
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

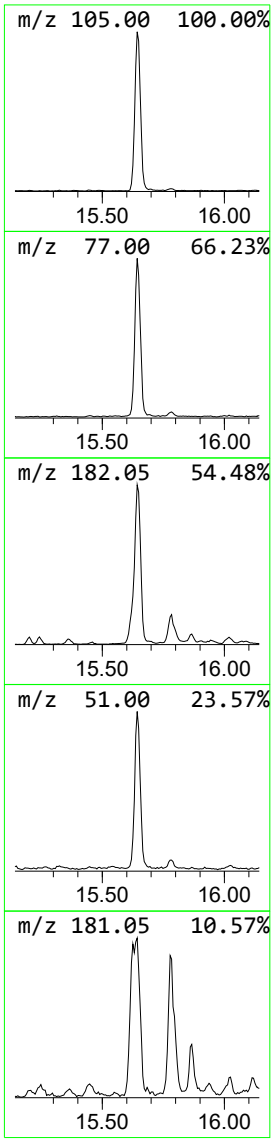
****

Peak Number 2 Benzophenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.643	8.63 ng	1101810	Acenaphthene-d10	14.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
3	2,5-Dimethyl-7,7-diphenyl-3-aza-...	279	C18H17NO2	078950-91-1	45
4	1,1-Diphenyl-2-phenylthiobut-3-e...	332	C22H20OS	097370-20-2	42
5	Azobenzene	182	C12H10N2	000103-33-3	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
Data File : BP024934.D
Acq On : 12 Jun 2025 17:55
Operator : RC/JU
Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

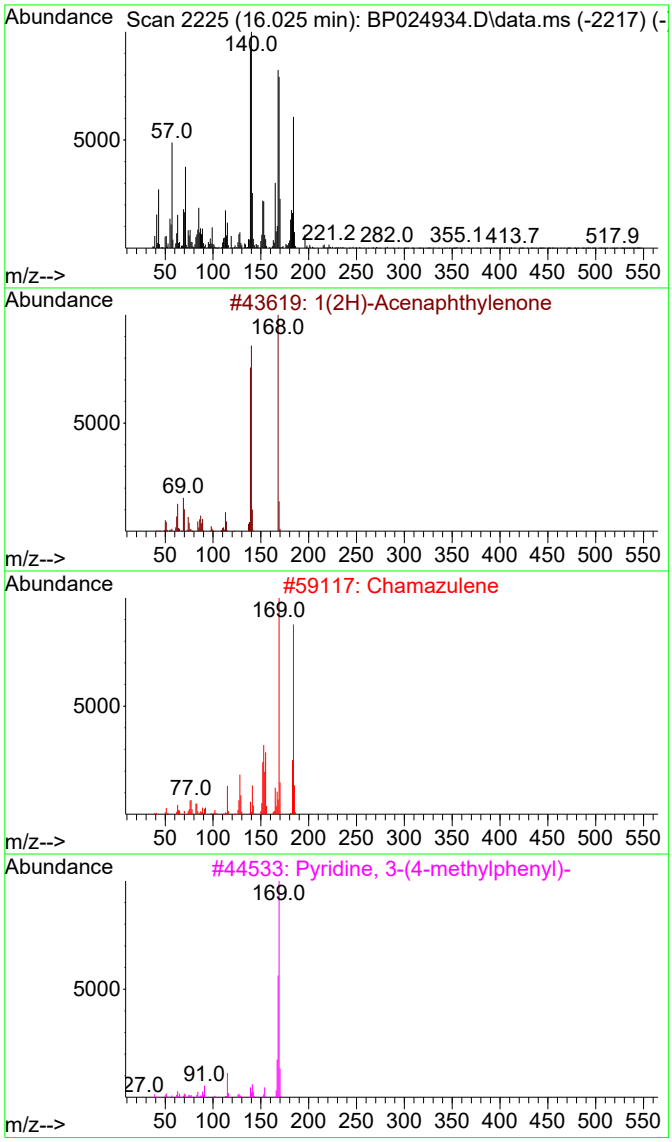
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

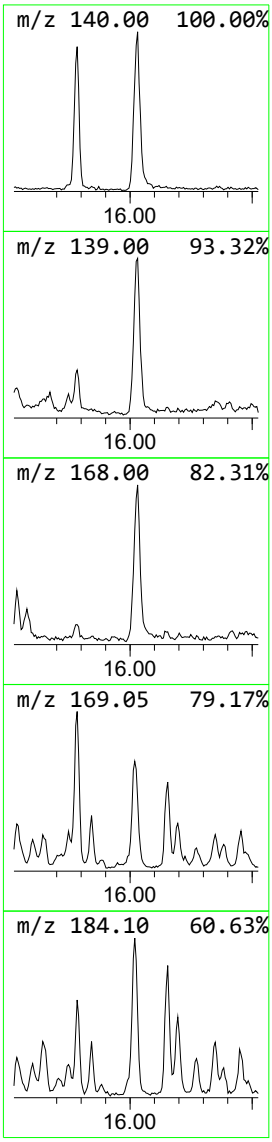
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1(2H)-Acenaphthylenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.025	2.93 ng	455606	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	55
2	Chamazulene	184	C14H16	000529-05-5	42
3	Pyridine, 3-(4-methylphenyl)-	169	C12H11N	1000380-56-0	38
4	Pyridine, 4-benzyl-	169	C12H11N	002116-65-6	30
5	Benzenaldehyde, 2-fluoro-5-hydroxy-	140	C7H5FO2	103438-84-2	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
Data File : BP024934.D
Acq On : 12 Jun 2025 17:55
Operator : RC/JU
Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

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

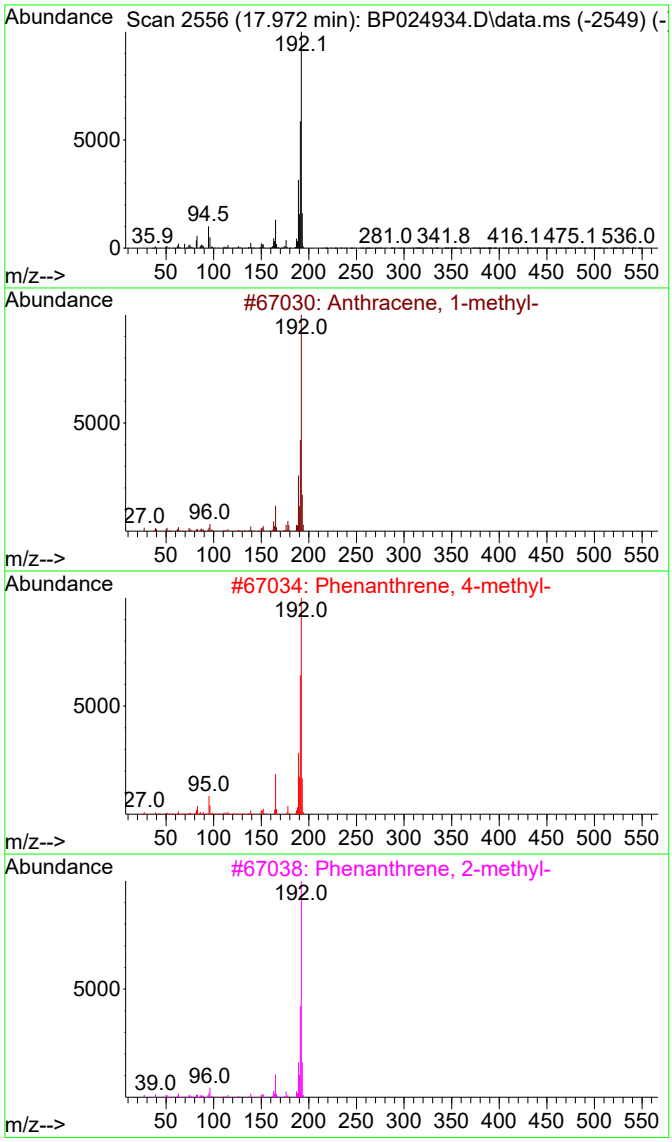
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

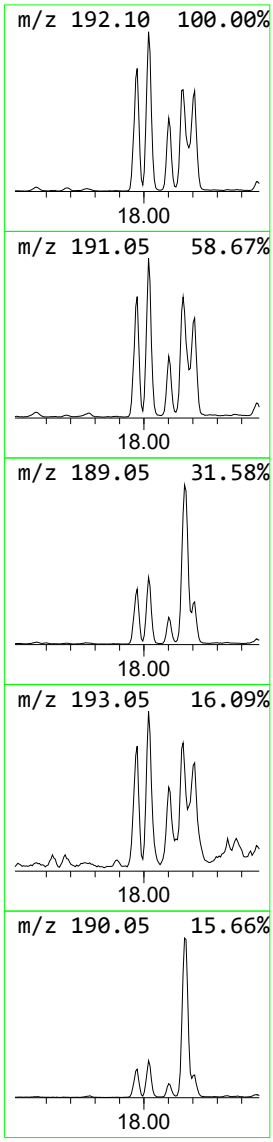
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.972	9.21 ng	1431000	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 12 Jun 2025 17:55
Operator : RC/JU
Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WC-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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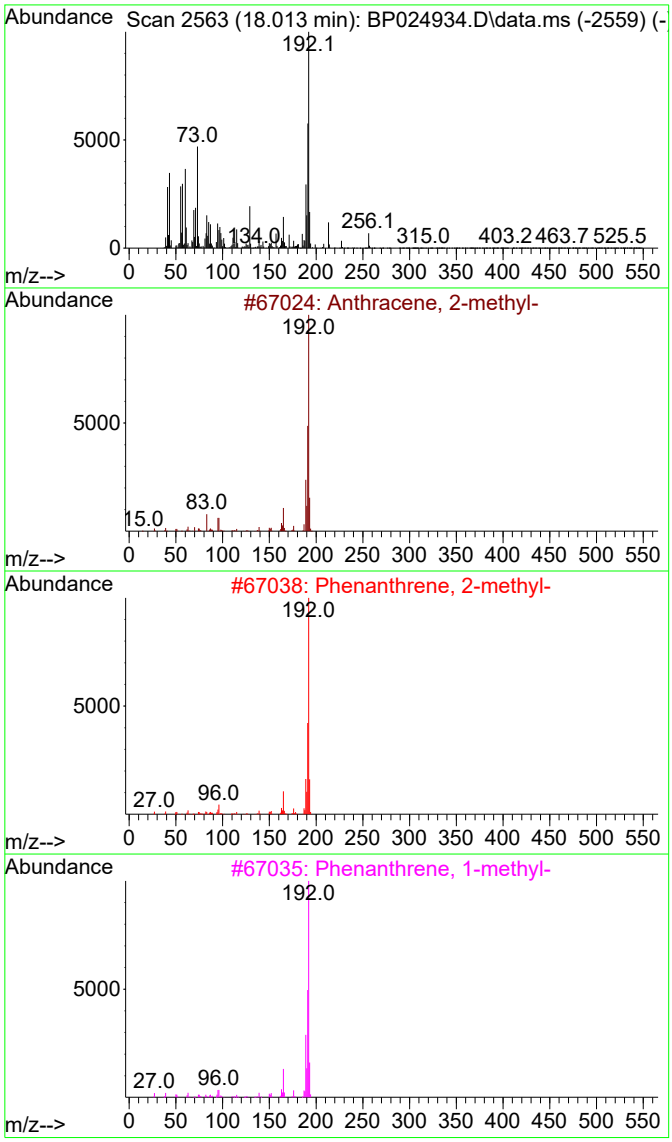
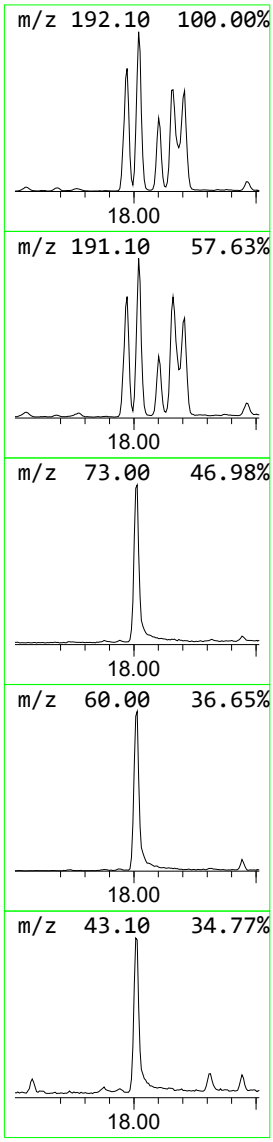
Peak Number 5 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.013	23.00 ng	3572790	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-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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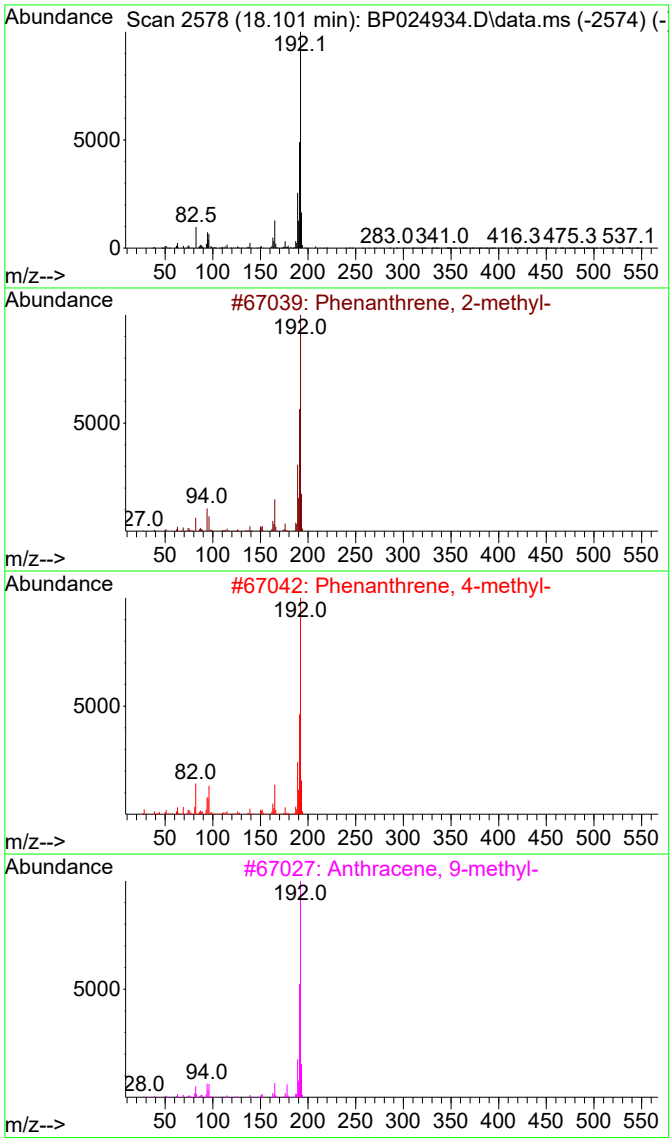
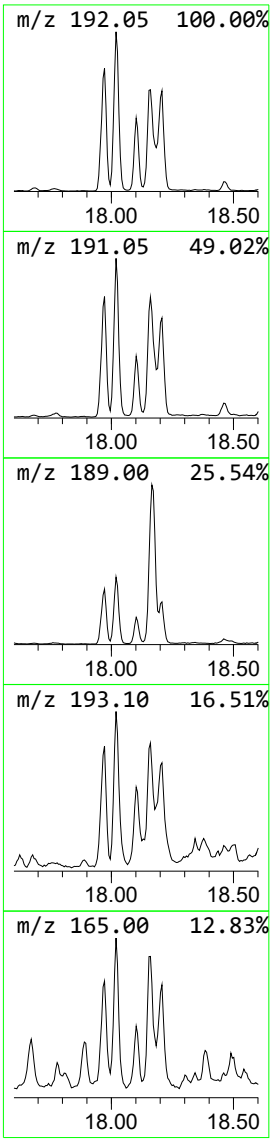
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.101	4.28 ng	665339	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

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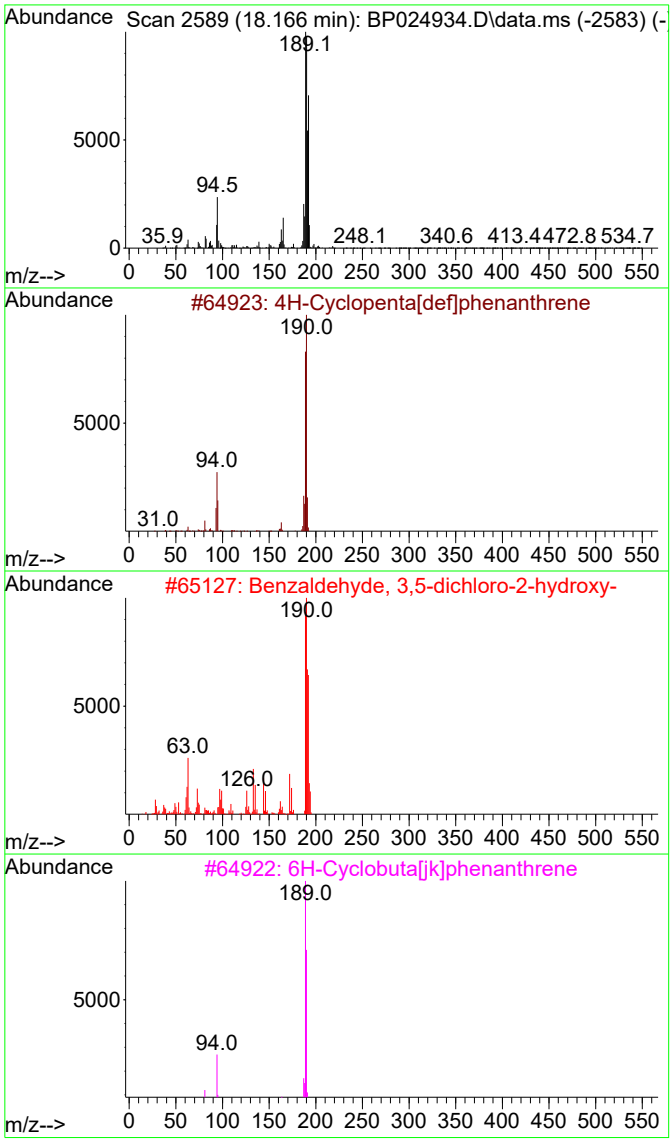
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

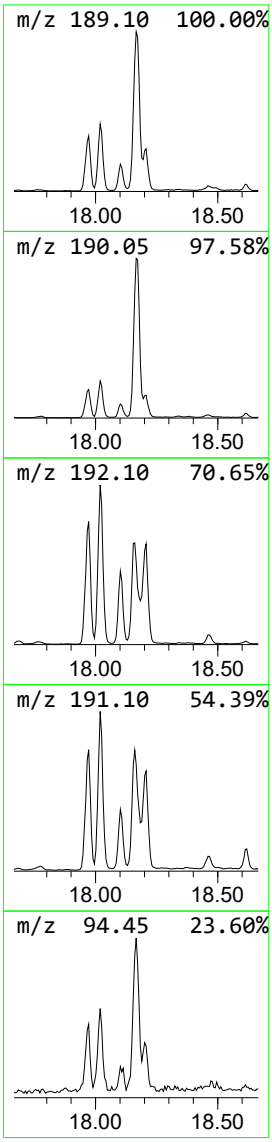
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.166	16.70 ng	2594190	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





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Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-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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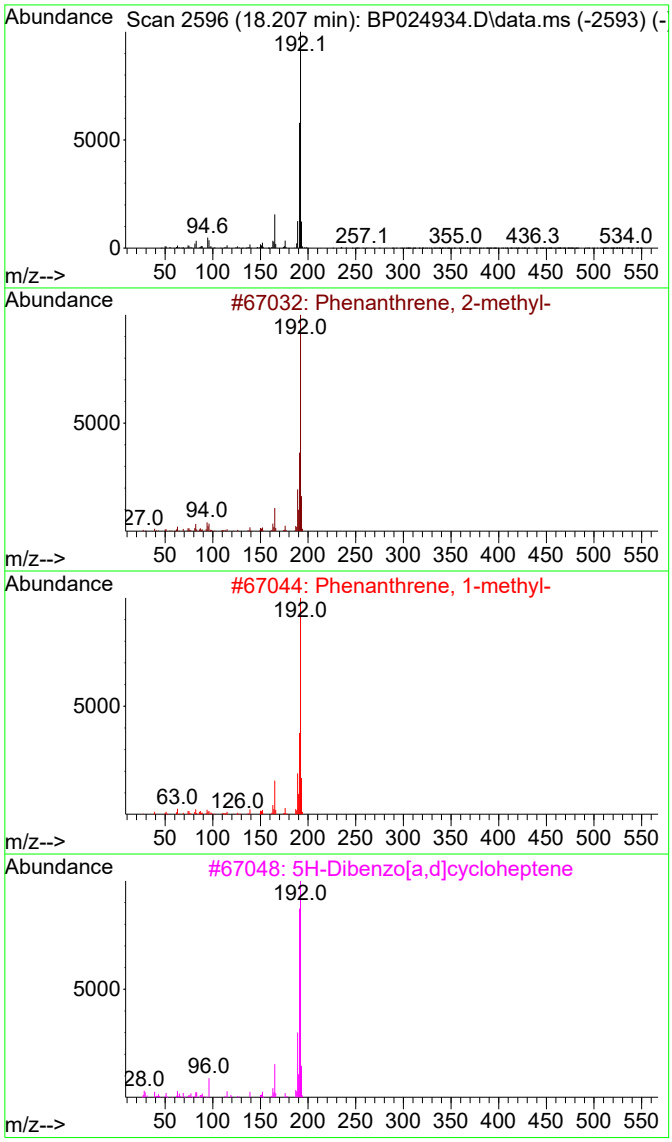
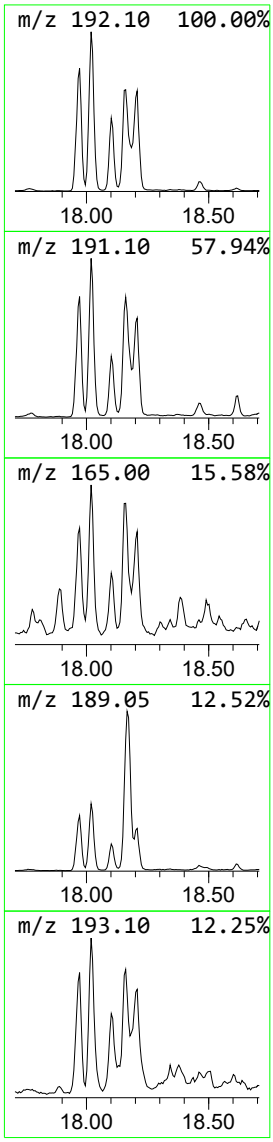
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.207	6.78 ng	1052390	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83





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Misc :
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Instrument :
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ClientSampleId :
WC-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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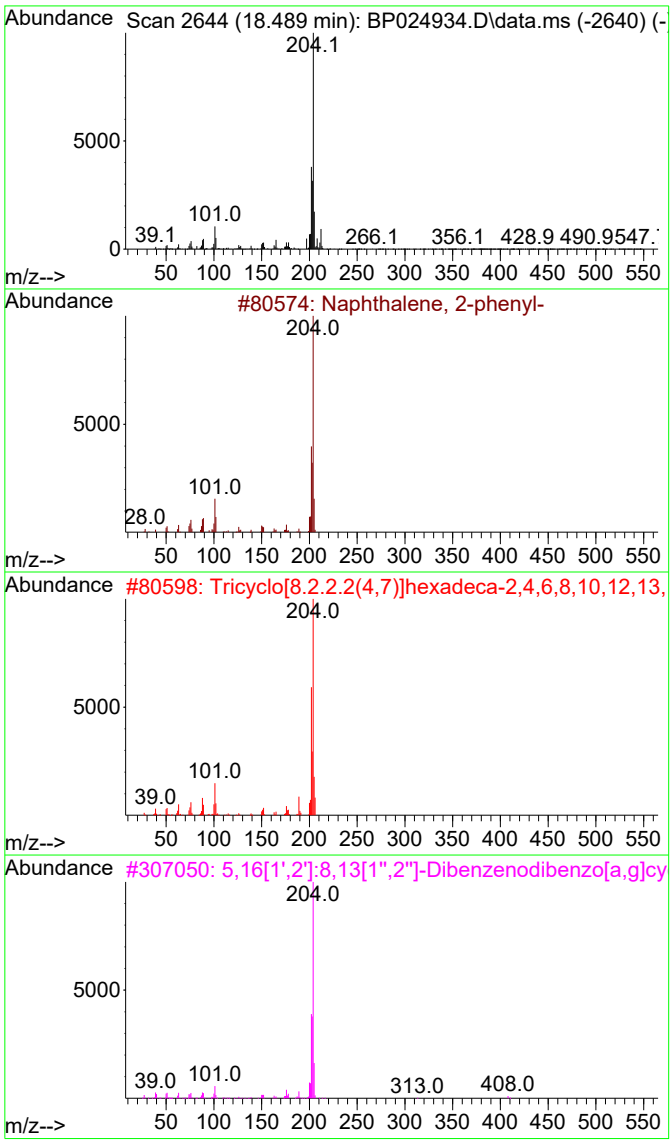
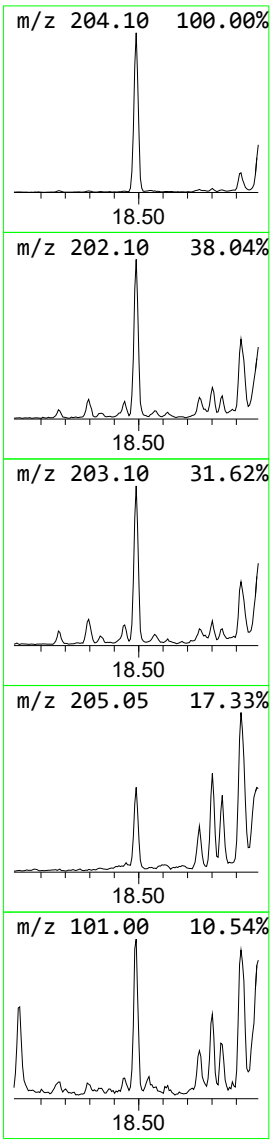
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.490	6.53 ng	1014910	Phenanthrene-d10	17.066

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	68
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	59
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





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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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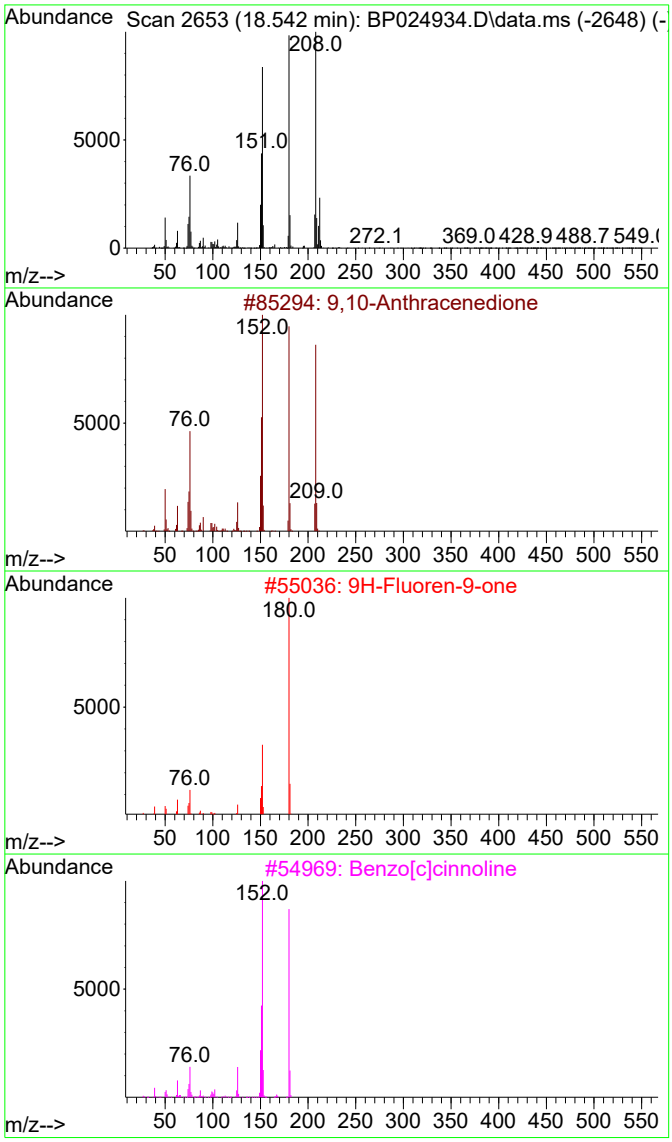
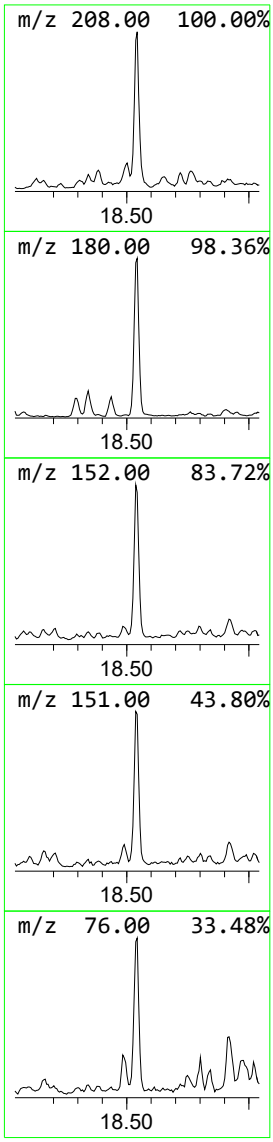
Peak Number 10 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.542	6.92 ng	1074670	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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Sample : Q2296-01
Misc :
ALS Vial : 13 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

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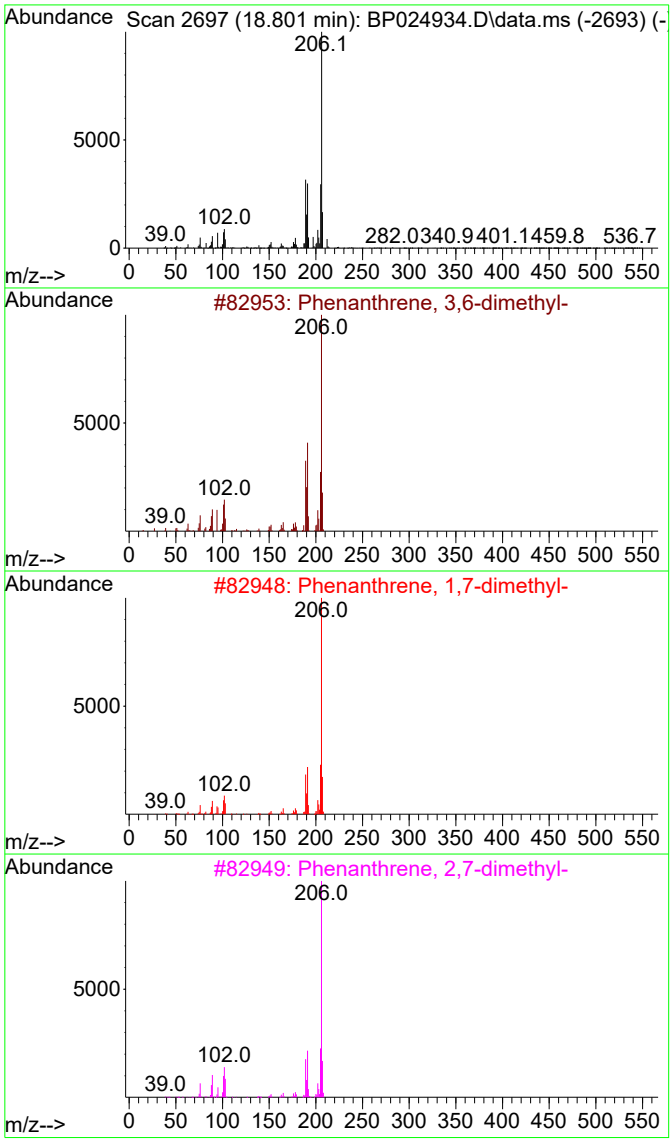
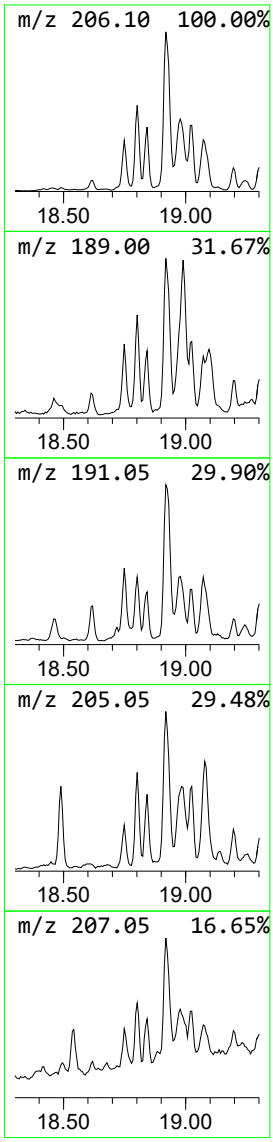
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.801	3.29 ng	511571	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
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	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	74





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ALS Vial : 13 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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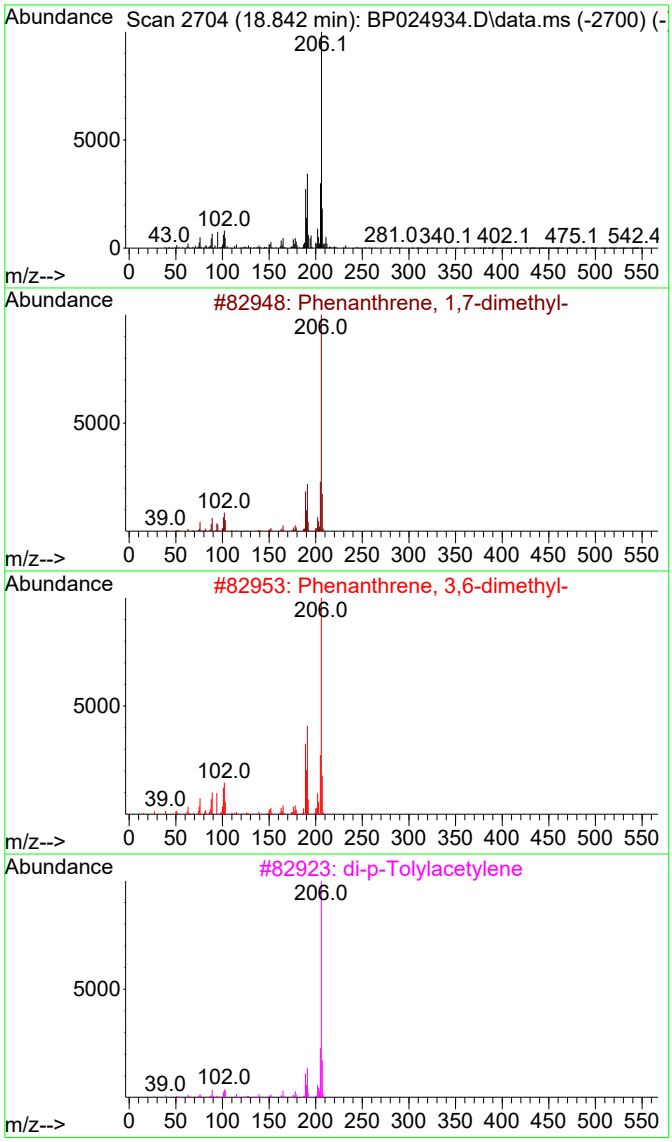
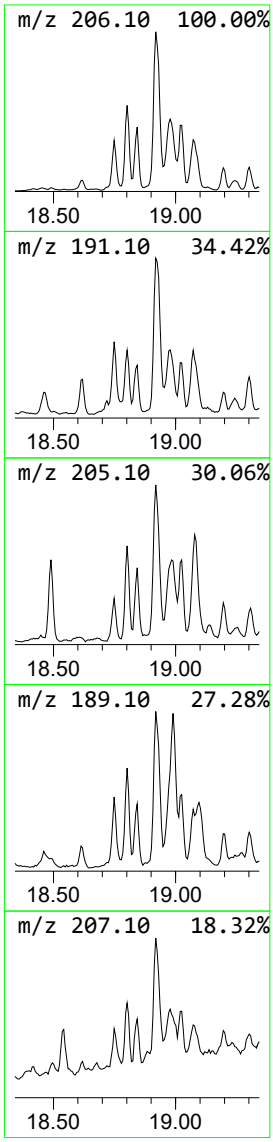
Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.842	3.08 ng	478501	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91





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ClientSampleId :
WC-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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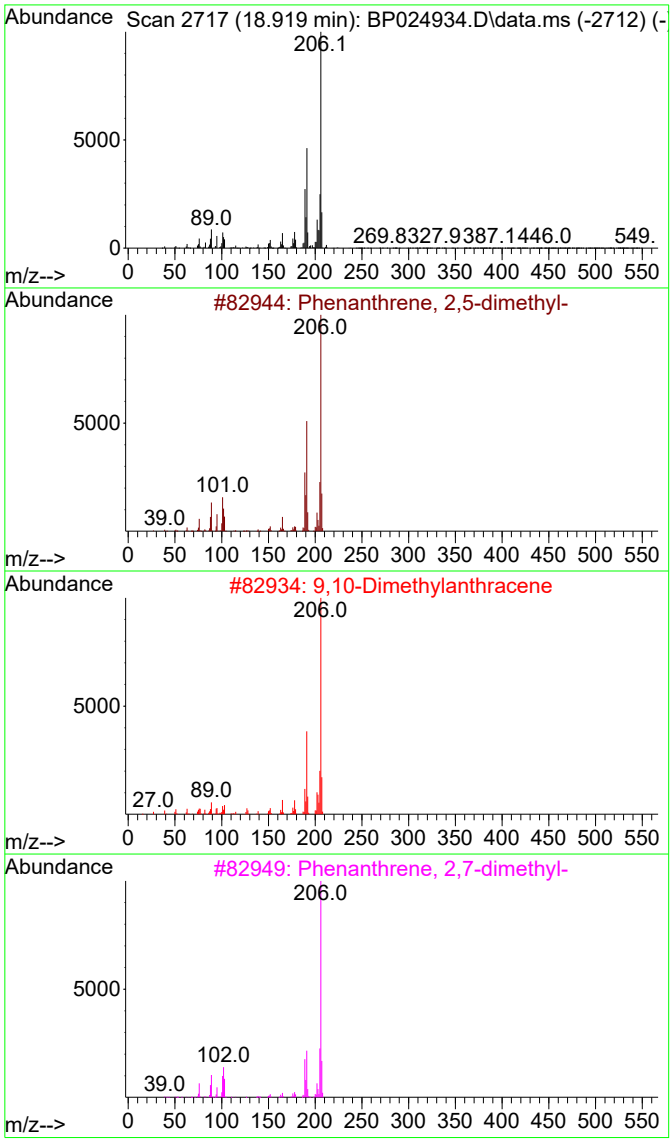
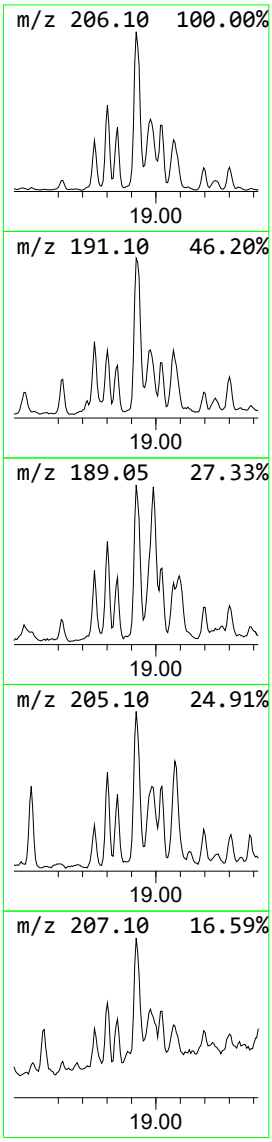
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.919	10.70 ng	1661190	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	87





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ALS Vial : 13 Sample Multiplier: 1

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

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

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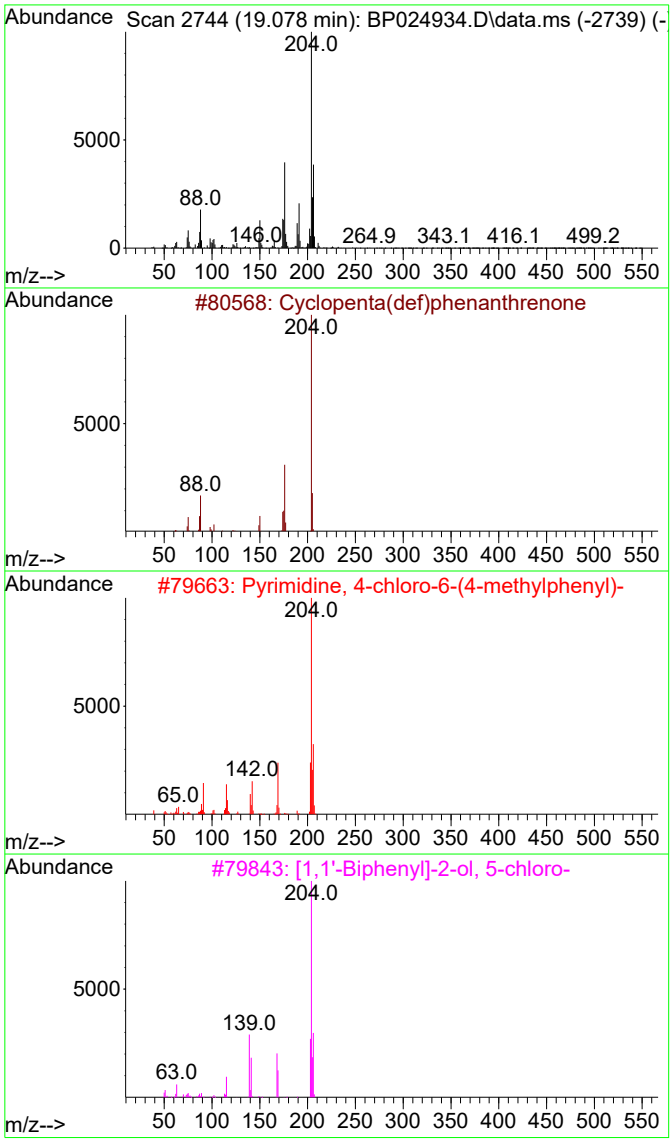
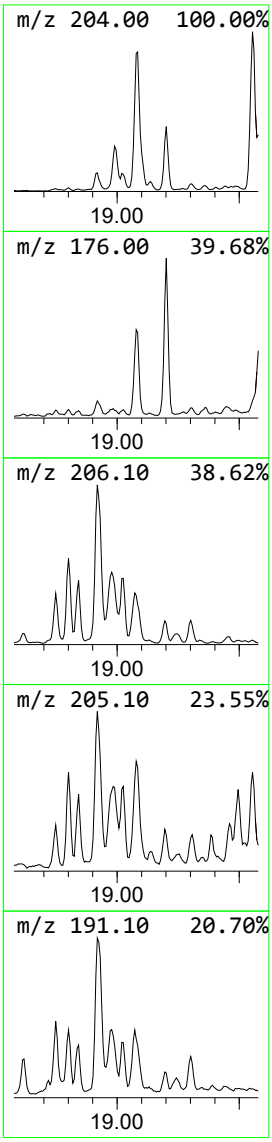
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.078	9.31 ng	1445320	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	43
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
4	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	43
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38





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ALS Vial : 13 Sample Multiplier: 1

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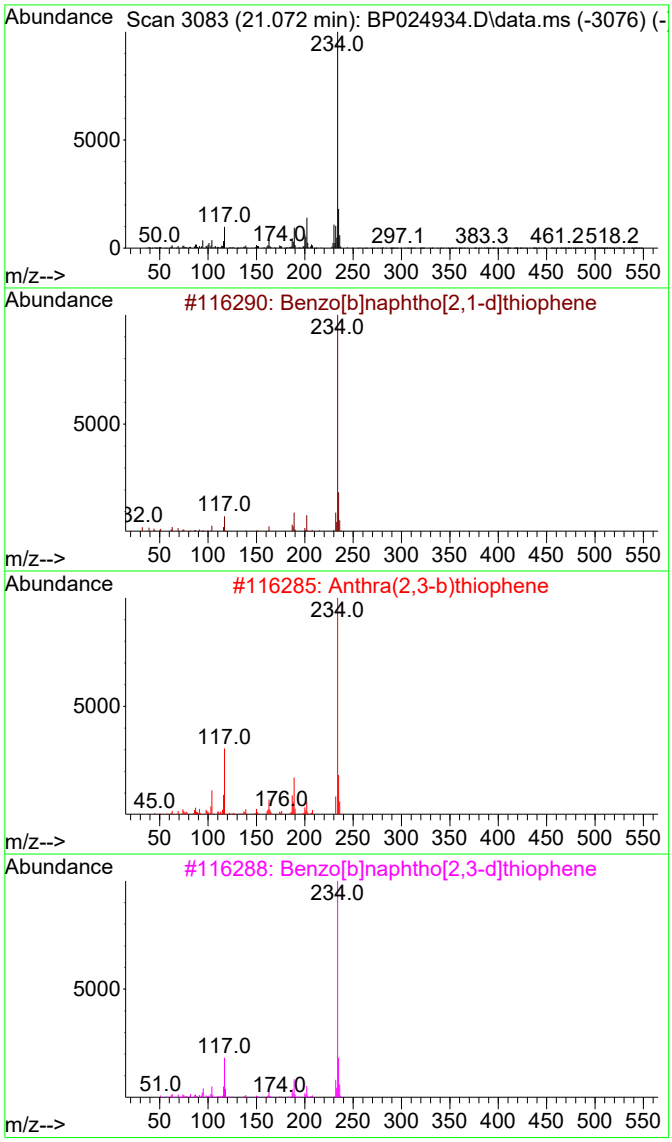
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

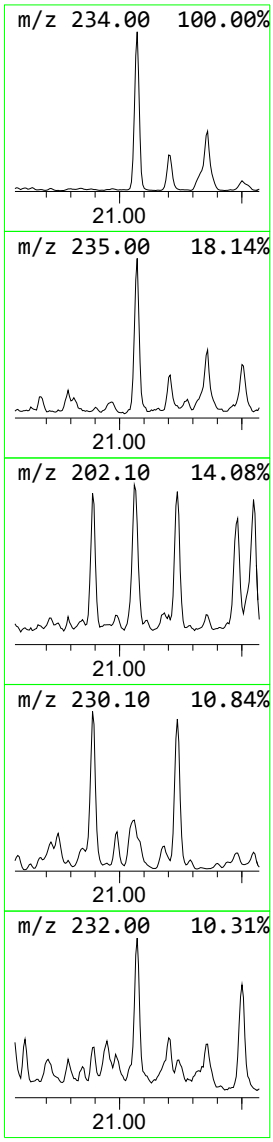
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.072	3.54 ng	2960250	Chrysene-d12	21.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	64





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Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-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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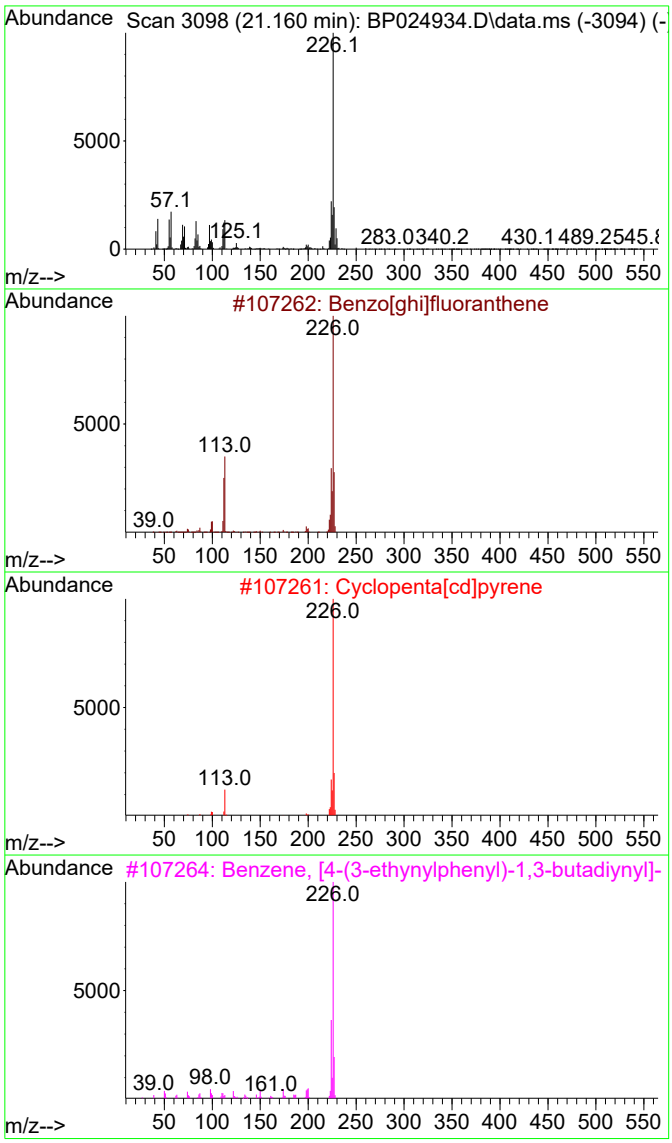
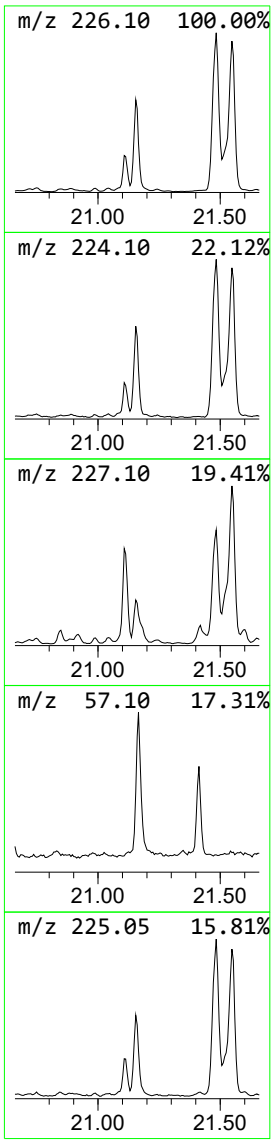
Peak Number 16 Benzo[ghi]fluoranthene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.160	4.15 ng	3467820	Chrysene-d12	21.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	76
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	49
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47
5	3-Chloro-.alpha.-di-n-heptylamin...	606	C39H59ClN2O	1000251-74-9	43





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Data File : BP024934.D
Acq On : 12 Jun 2025 17:55
Operator : RC/JU
Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-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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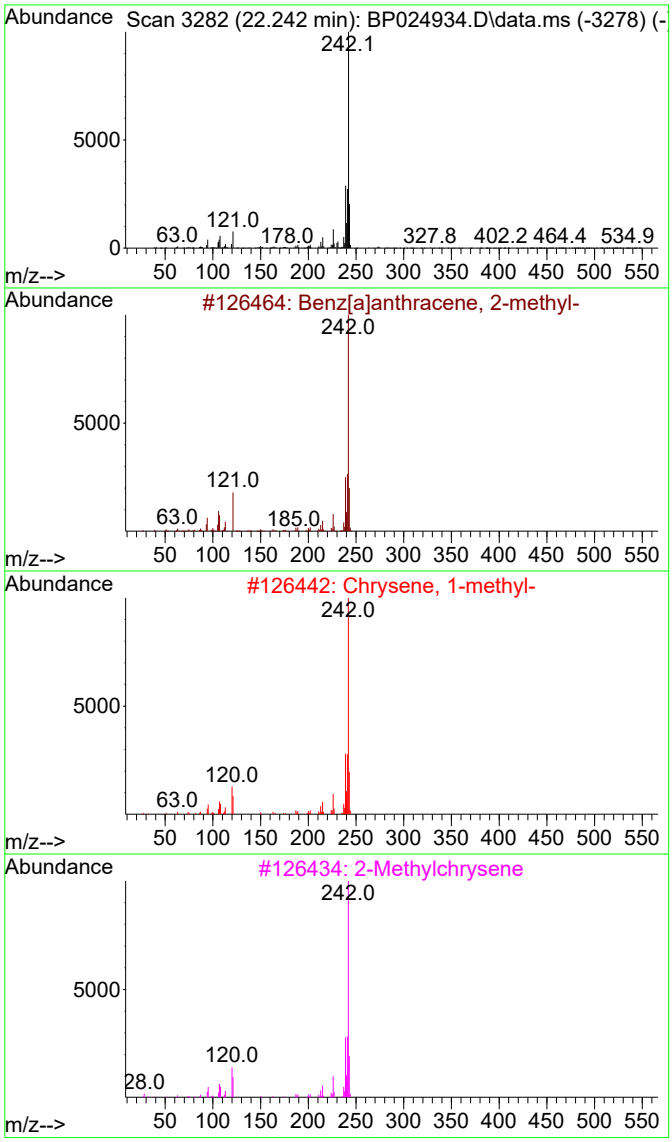
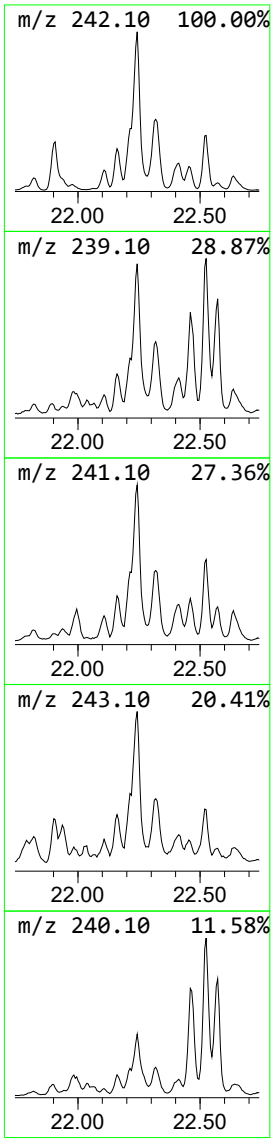
Peak Number 17 Benz[a]anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.242	2.94 ng	2456930	Chrysene-d12	21.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	97
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
3	2-Methylchrysene	242	C19H14	003351-32-4	95
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91





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Data File : BP024934.D
Acq On : 12 Jun 2025 17:55
Operator : RC/JU
Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-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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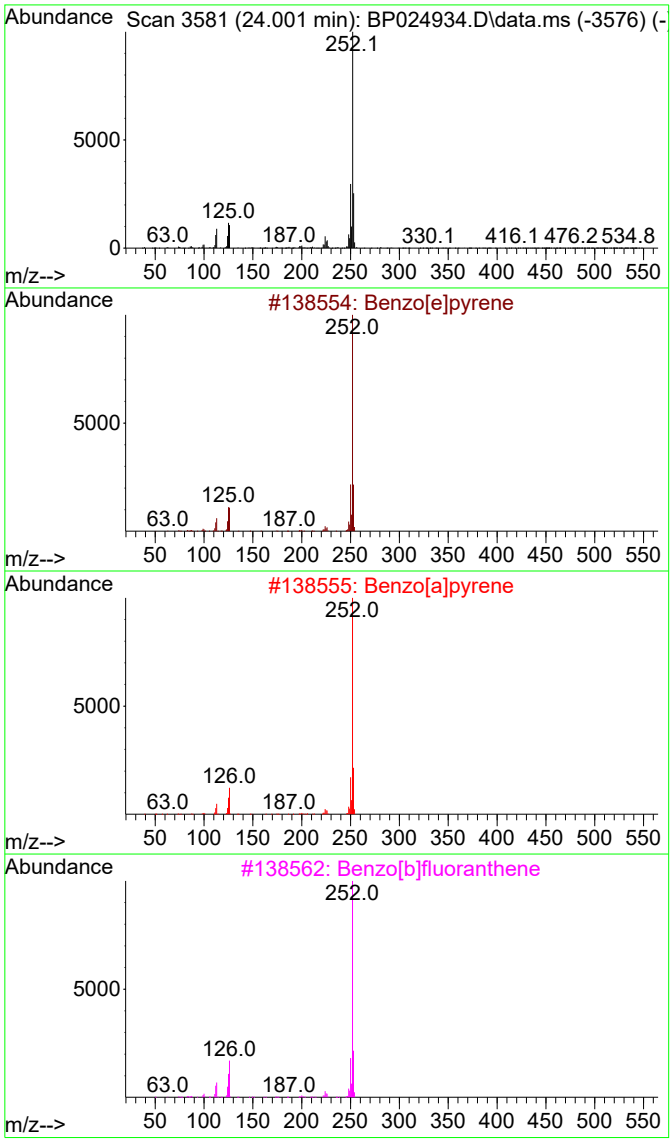
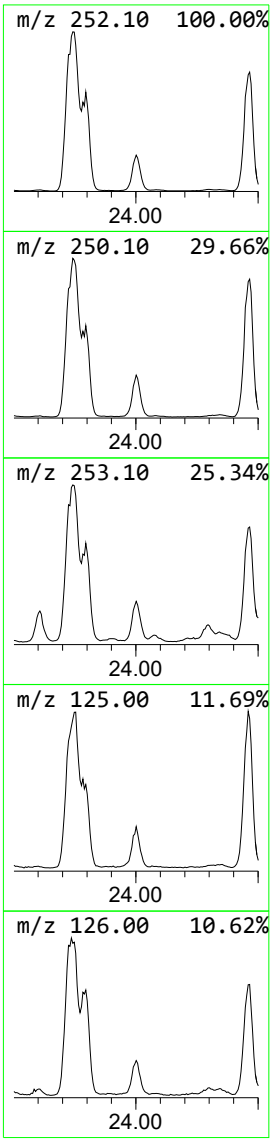
Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.001	13.42 ng	2327700	Perylene-d12	24.772

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	94
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	92
5	Perylene	252	C20H12	000198-55-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
Data File : BP024934.D
Acq On : 12 Jun 2025 17:55
Operator : RC/JU
Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-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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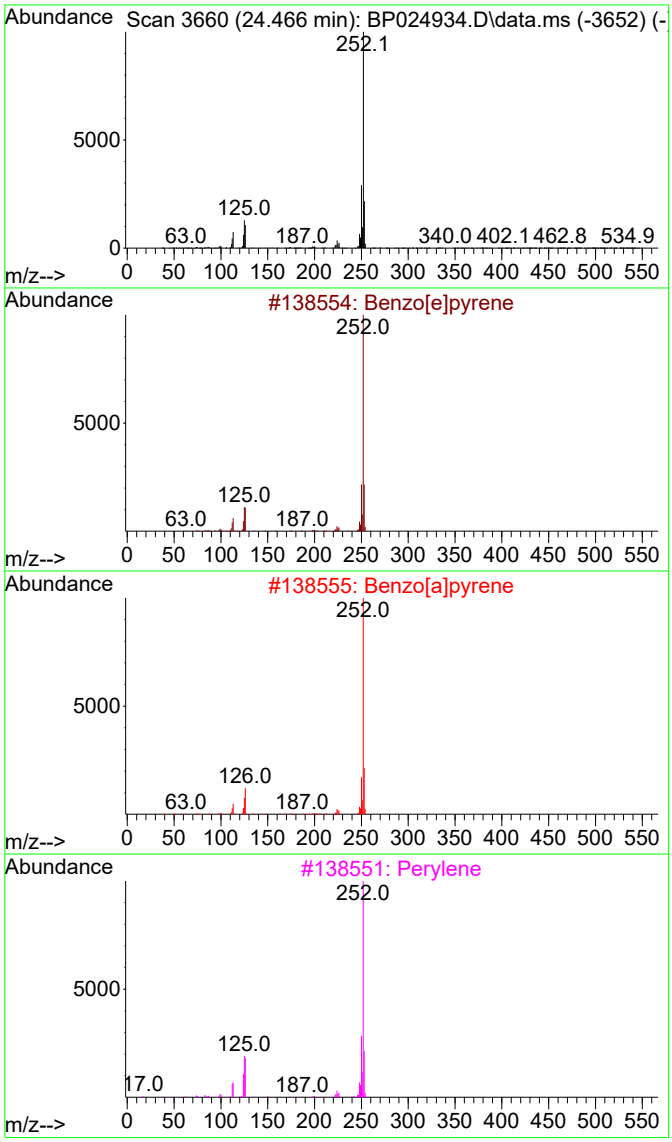
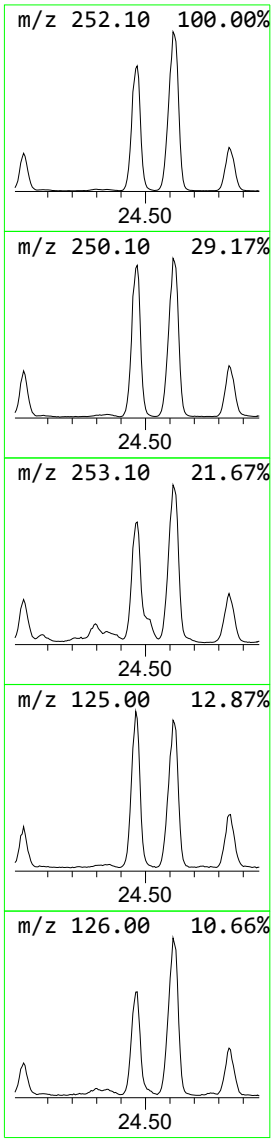
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.466	55.11 ng	9557500	Perylene-d12	24.772

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	97
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
Data File : BP024934.D
Acq On : 12 Jun 2025 17:55
Operator : RC/JU
Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-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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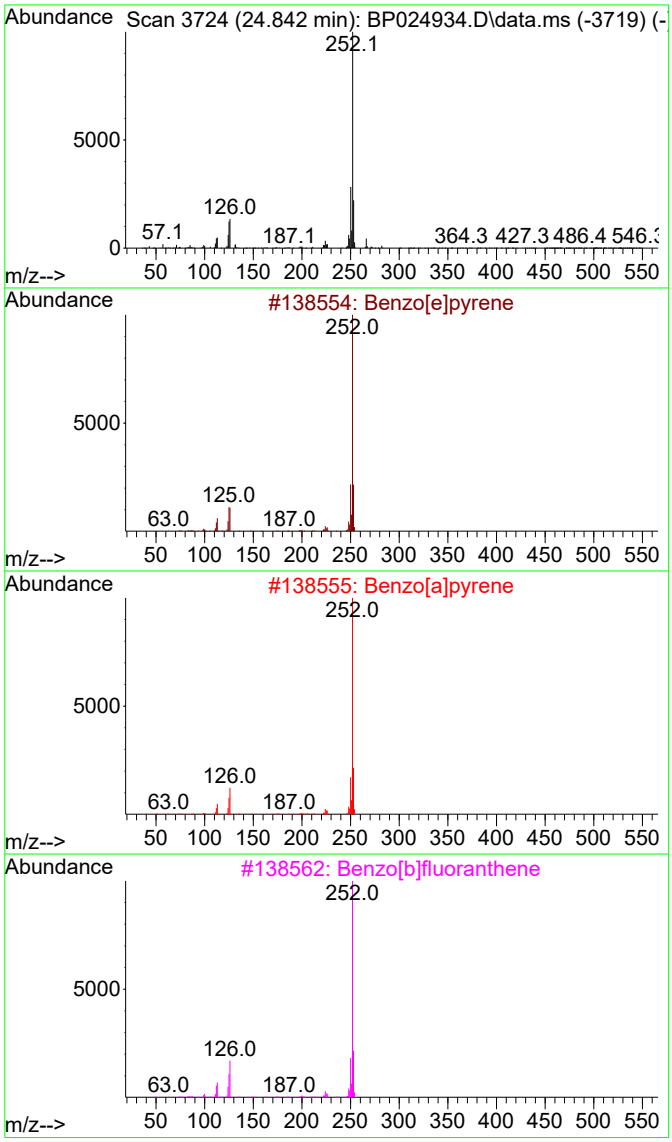
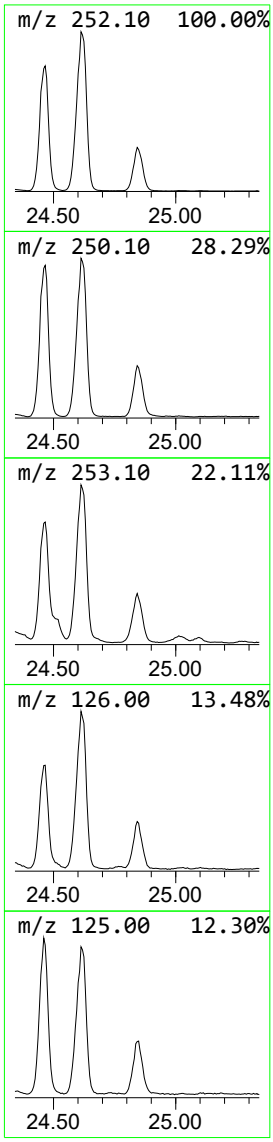
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.842	14.41 ng	2499820	Perylene-d12	24.772

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	97
4	Perylene	252	C20H12	000198-55-0	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
Data File : BP024934.D
Acq On : 12 Jun 2025 17:55
Operator : RC/JU
Sample : Q2296-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.773	5.6	ng	404553	1	7.608	1437550	20.0
Benzophenone	15.643	8.6	ng	1101810	3	14.249	2553680	20.0
1(2H)-Acenaphth...	16.025	2.9	ng	455606	4	17.066	3106150	20.0
Anthracene, 1-m...	17.972	9.2	ng	1431000	4	17.066	3106150	20.0
Anthracene, 2-m...	18.013	23.0	ng	3572790	4	17.066	3106150	20.0
Phenanthrene, 2...	18.101	4.3	ng	665339	4	17.066	3106150	20.0
4H-Cyclopenta[d...	18.166	16.7	ng	2594190	4	17.066	3106150	20.0
Phenanthrene, 1...	18.207	6.8	ng	1052390	4	17.066	3106150	20.0
Naphthalene, 2-...	18.490	6.5	ng	1014910	4	17.066	3106150	20.0
9,10-Anthracene...	18.542	6.9	ng	1074670	4	17.066	3106150	20.0
Phenanthrene, 3...	18.801	3.3	ng	511571	4	17.066	3106150	20.0
Phenanthrene, 1...	18.842	3.1	ng	478501	4	17.066	3106150	20.0
Phenanthrene, 2...	18.919	10.7	ng	1661190	4	17.066	3106150	20.0
Cyclopenta(def)...	19.078	9.3	ng	1445320	4	17.066	3106150	20.0
Benzo[b]naphtho...	21.072	3.5	ng	2960250	5	21.501	16706200	20.0
Benzo[ghi]fluor...	21.160	4.2	ng	3467820	5	21.501	16706200	20.0
Benz[a]anthrace...	22.242	2.9	ng	2456930	5	21.501	16706200	20.0
Benzo[e]pyrene	24.001	13.4	ng	2327700	6	24.772	3468640	20.0
Perylene	24.466	55.1	ng	9557500	6	24.772	3468640	20.0
Benzo[j]fluoran...	24.842	14.4	ng	2499820	6	24.772	3468640	20.0