LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042825\
Data File : BP024451.D
Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: BP024451.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.334	376	382	392	rBV	294053	454162	6.29%	0.535%
2	6.899	636	648	666	rBV	268108	493495	6.83%	0.581%
3	7.716	779	787	797	rBV	546754	887534	12.29%	1.045%
4	8.863	976	982	996	rBV	187540	318699	4.41%	0.375%
5	10.487	1249	1258	1263	rBV	773007	1304582	18.07%	1.536%
6	10.534	1263	1266	1275	rVB	84304	134658	1.86%	0.159%
7	12.152	1533	1541	1549	rBV	151734	255898	3.54%	0.301%
8	12.369	1567	1578	1588	rVB	187397	300456	4.16%	0.354%
9	12.957	1669	1678	1688	rBV	533427	782471	10.84%	0.921%
10	13.499	1763	1770	1771	rBV	108108	134889	1.87%	0.159%
11	13.657	1791	1797	1802	rBV	199245	349281	4.84%	0.411%
12	13.710	1802	1806	1812	rVB	127521	195417	2.71%	0.230%
13	13.898	1831	1838	1842	rBV	104594	159603	2.21%	0.188%
14	14.063	1857	1866	1877	rBV	358313	547330	7.58%	0.644%
15	14.346	1903	1914	1919	rBV	1312693	1889417	26.17%	2.224%
16	14.404	1919	1924	1933	rVB	114794	194067	2.69%	0.228%
17	14.557	1944	1950	1958	rBV2	51271	127950	1.77%	0.151%
18	14.751	1971	1983	1990	rVV	157167	294295	4.08%	0.346%
19	14.828	1990	1996	2001	rVB	102638	156241	2.16%	0.184%
20	14.969	2013	2020	2025	rBV3	90973	173671	2.41%	0.204%
21	15.022	2025	2029	2034	rVB	77628	109042	1.51%	0.128%
22	15.145	2042	2050	2053	rBV3	60156	134697	1.87%	0.159%
23	15.316	2070	2079	2084	rBV4	35438	107988	1.50%	0.127%
24	15.410	2088	2095	2100	rBV	309939	487555	6.75%	0.574%
25	15.704	2140	2145	2147	rBV2	85520	122367	1.69%	0.144%
26	15.863	2163	2172	2179	rBV	696130	990913	13.72%	1.167%
27	15.945	2179	2186	2195	rVB2	37728	91046	1.26%	0.107%
28	16.098	2204	2212	2221	rVB4	101606	201116	2.79%	0.237%
29	16.434	2261	2269	2274	rBV2	167877	340455	4.72%	0.401%
30	16.481	2274	2277	2283	rVB2	119862	161053	2.23%	0.190%
31	16.587	2290	2295	2300	rVB2	102468	155979	2.16%	0.184%
32	16.669	2300	2309	2312	rBV3	74747	161877	2.24%	0.191%
33	16.710	2312	2316	2320	rVB3	67021	87316	1.21%	0.103%
34	16.792	2326	2330	2337	rVB5	50093	93037	1.29%	0.110%
35	16.875	2338	2344	2348	rBV	87224	175000	2.42%	0.206%
36	16.957	2353	2358	2367	rVB	239995	403673	5.59%	0.475%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042825\
Data File : BP024451.D
Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

37	17.145	2384	2390	2393	rBV	1575367	2262146	31.33%	2.663%
38	17.187	2393	2397	2404	rVV	2584702	3856159	53.41%	4.540%
39	17.281	2408	2413	2418	rVV	688106	1010465	13.99%	1.190%
40	17.345	2418	2424	2430	rVV2	105181	209613	2.90%	0.247%
41	17.563	2456	2461	2464	rBV	102995	166101	2.30%	0.196%
42	17.604	2465	2468	2477	rVV2	68685	160743	2.23%	0.189%
43	17.681	2477	2481	2485	rVV2	91639	135303	1.87%	0.159%
44	17.745	2488	2492	2499	rVB	168750	267085	3.70%	0.314%
45	17.887	2511	2516	2522	rVB	136530	223179	3.09%	0.263%
46	18.051	2539	2544	2548	rBV	691262	1016198	14.07%	1.196%
47	18.098	2548	2552	2559	rVB	961910	1352391	18.73%	1.592%
48	18.181	2560	2566	2570	rBV	352568	502825	6.96%	0.592%
49	18.245	2570	2577	2581	rVV2	959012	1743698	24.15%	2.053%
50	18.286	2581	2584	2593	rVB	462369	648294	8.98%	0.763%
51	18.457	2609	2613	2617	rVB3	87091	115419	1.60%	0.136%
52	18.563	2626	2631	2635	rVV	393809	573259	7.94%	0.675%
53	18.610	2635	2639	2646	rVB2	93591	195256	2.70%	0.230%
54	18.822	2672	2675	2678	rVV	198582	247310	3.43%	0.291%
55	18.869	2679	2683	2687	rVV	255430	373269	5.17%	0.439%
56	18.916	2687	2691	2695	rVB	194937	274879	3.81%	0.324%
57	19.004	2700	2706	2711	rBV	490707	933161	12.92%	1.099%
58	19.063	2711	2716	2720	rVV3	296645	613312	8.49%	0.722%
59	19.098	2720	2722	2726	rVV	185054	183944	2.55%	0.217%
60	19.145	2726	2730	2738	rVV3	284719	536436	7.43%	0.632%
61	19.275	2746	2752	2758	rBV	4839048	7056186	97.73%	8.307%
62	19.345	2759	2764	2767	rVV2	202146	313002	4.33%	0.368%
63	19.381	2767	2770	2773	rVV	161008	192352	2.66%	0.226%
64	19.428	2774	2778	2782	rVV	250714	324321	4.49%	0.382%
65	19.522	2790	2794	2798	rBV	231284	308348	4.27%	0.363%
66	19.616	2805	2810	2811	rBV	674270	784142	10.86%	0.923%
67	19.651	2811	2816	2825	rVB	4354498	6491760	89.91%	7.643%
68	19.733	2825	2830	2836	rVB4	290004	534592	7.40%	0.629%
69	19.833	2836	2847	2849	rBV2	282968	566786	7.85%	0.667%
70	19.869	2849	2853	2857	rVB	898778	1041151	14.42%	1.226%
71	19.992	2868	2874	2881	rBV3	404182	1036948	14.36%	1.221%
72	20.081	2886	2889	2892	rVV2	103679	128567	1.78%	0.151%
73	20.128	2892	2897	2899	rVV2	340962	557923	7.73%	0.657%
74	20.163	2900	2903	2908	rVB	976843	1397508	19.35%	1.645%
75	20.275	2917	2922	2926	rBV	760666	972191	13.46%	1.145%
76	20.333	2926	2932	2936	rVV2	635969	992411	13.74%	1.168%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042825\
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Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

77	20.416	2943	2946	2950	rBV3	103264	175063	2.42%	0.206%
78	20.475	2952	2956	2960	rVV	432502	530833	7.35%	0.625%
79	20.522	2960	2964	2969	rVB	395493	576360	7.98%	0.679%
80	20.786	3006	3009	3012	rBV3	98652	165767	2.30%	0.195%
81	20.816	3012	3014	3019	rVB	181754	207777	2.88%	0.245%
82	20.916	3027	3031	3035	rBV2	166237	281090	3.89%	0.331%
83	20.963	3035	3039	3046	rVB2	275254	532582	7.38%	0.627%
84	21.151	3067	3071	3074	rVB	370629	476384	6.60%	0.561%
85	21.192	3074	3078	3082	rVB	349667	475594	6.59%	0.560%
86	21.239	3082	3086	3093	rBV2	288212	650287	9.01%	0.766%
87	21.310	3096	3098	3105	rVB	224379	322641	4.47%	0.380%
88	21.569	3136	3142	3150	rBV2	2622346	7220399	100.00%	8.501%
89	21.639	3150	3154	3167	rVB	2000327	3347649	46.36%	3.941%
90	21.792	3176	3180	3185	rBV	220036	385891	5.34%	0.454%
91	21.857	3188	3191	3198	rVB2	178442	287934	3.99%	0.339%
92	22.080	3226	3229	3235	rVB4	147057	227695	3.15%	0.268%
93	22.351	3271	3275	3281	rVB	505999	859306	11.90%	1.012%
94	22.627	3318	3322	3327	rBV2	200049	380322	5.27%	0.448%
95	23.874	3526	3534	3542	rBV2	1422678	4620360	63.99%	5.440%
96	24.139	3574	3579	3587	rVB	318182	765688	10.60%	0.901%
97	24.616	3655	3660	3676	rVB	834199	2253259	31.21%	2.653%
98	24.780	3680	3688	3704	rVB	1435577	3497451	48.44%	4.118%
99	24.939	3706	3715	3722	rBV2	1001786	2857038	39.57%	3.364%
100	25.010	3723	3727	3734	rVB	266413	566673	7.85%	0.667%

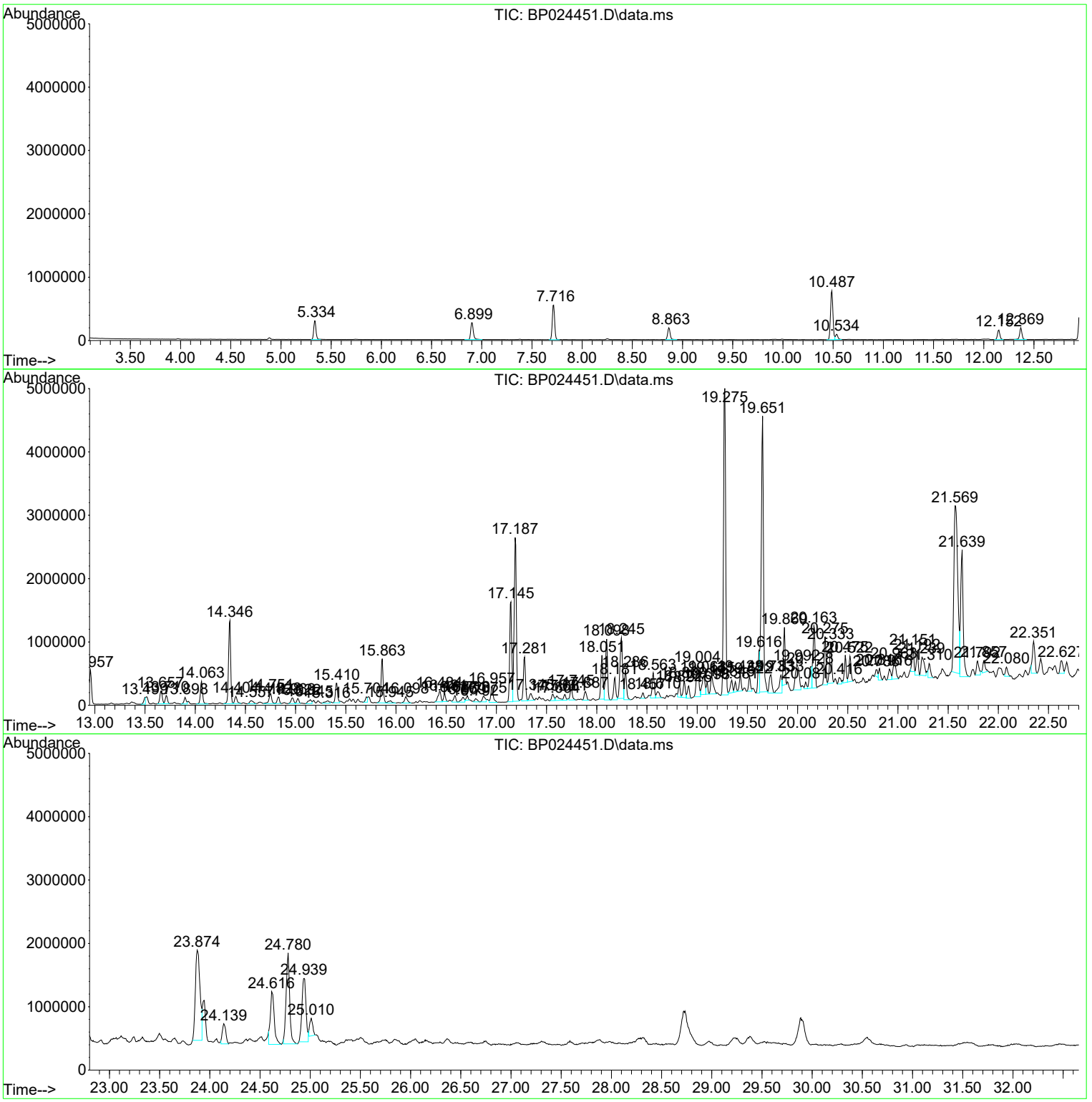
Sum of corrected areas: 84939906

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042825\
Data File : BP024451.D
Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042825\
Data File : BP024451.D
Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

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

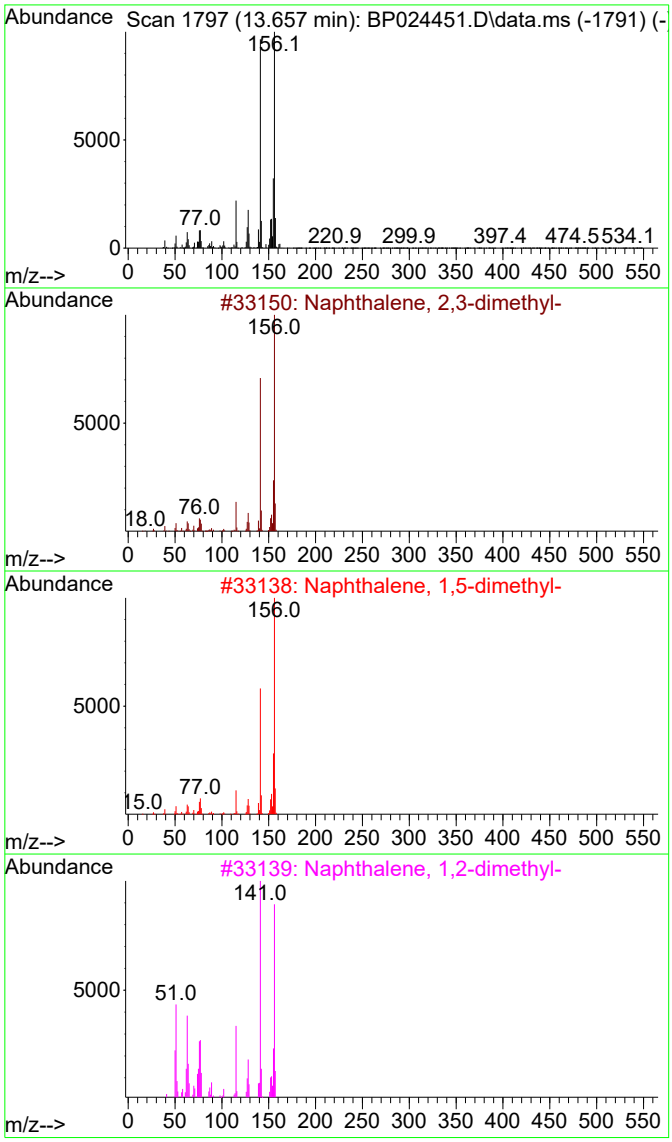
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

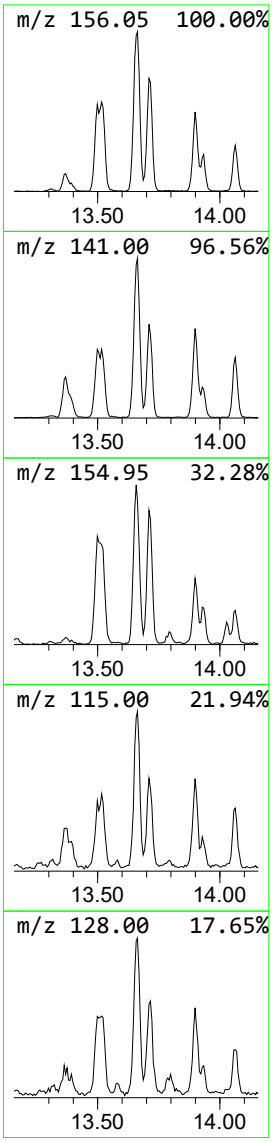
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.657	3.70 ng	349281	Acenaphthene-d10	14.345

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, 1,2-dimethyl-	156	C12H12	000573-98-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042825\
Data File : BP024451.D
Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

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

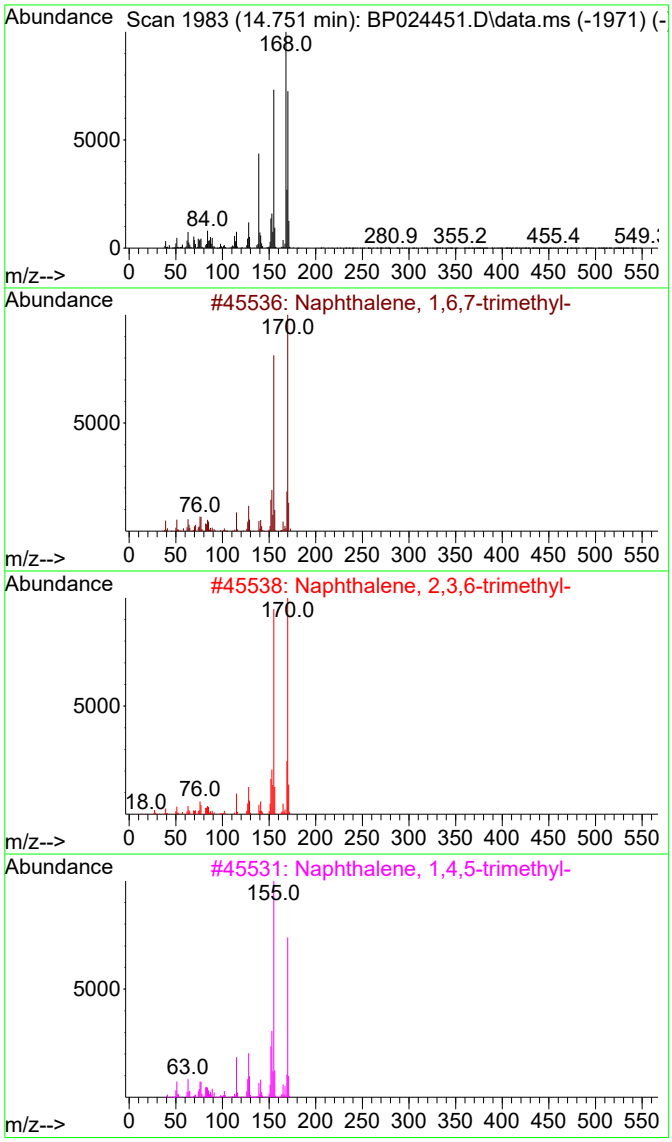
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

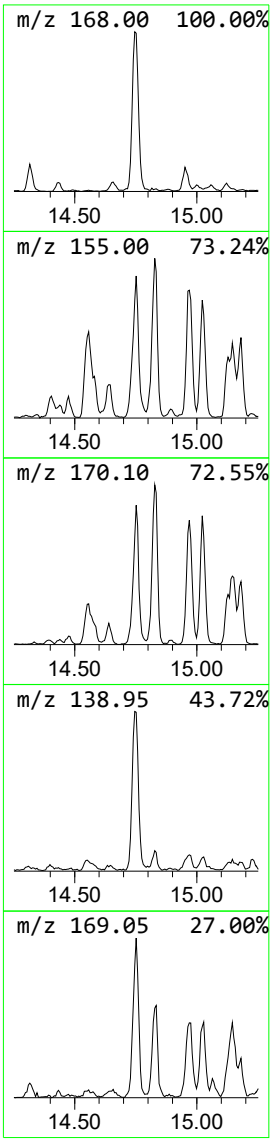
****

Peak Number 2 Naphthalene, 1,6,7-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.751	3.12 ng	294295	Acenaphthene-d10	14.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	70
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	70
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042825\
Data File : BP024451.D
Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

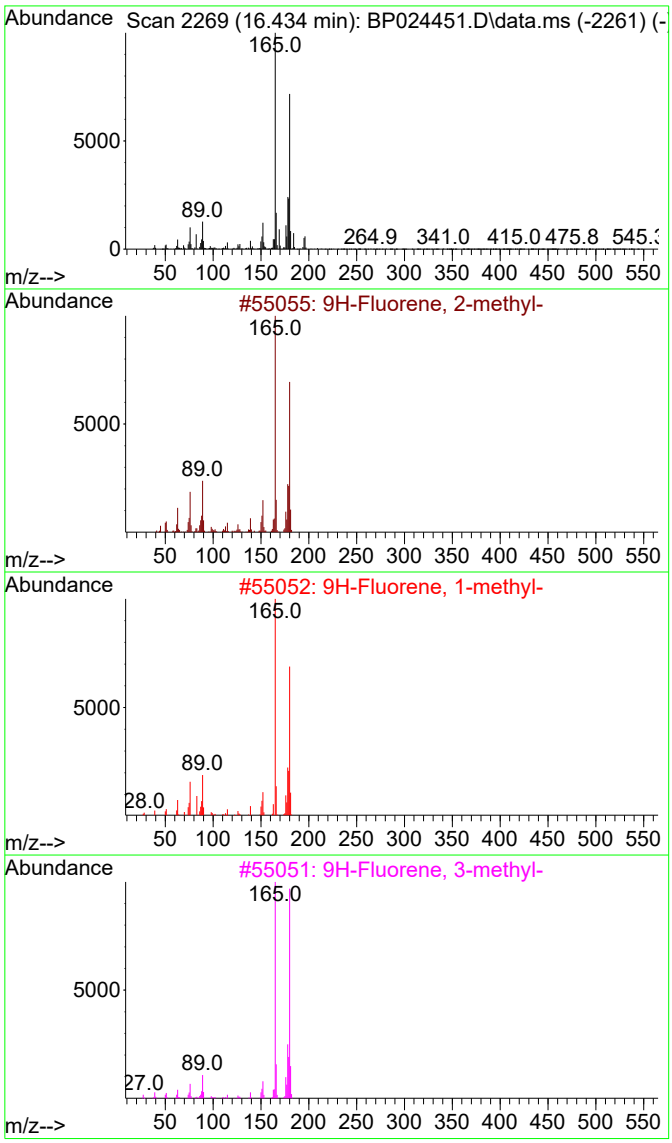
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

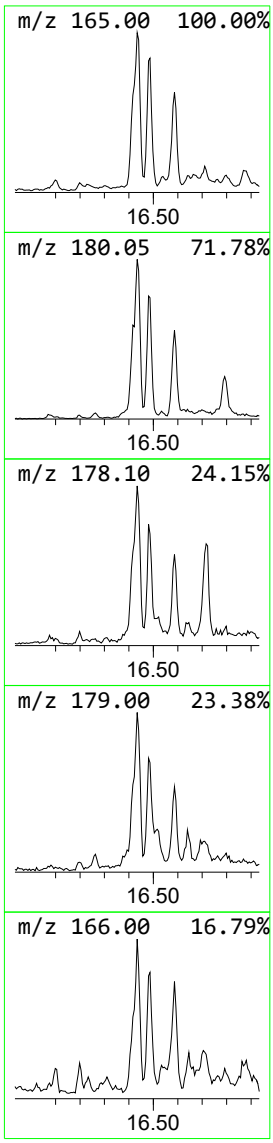
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.434	3.01 ng	340455	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	m-Phenylenediamine, TMS derivative	180	C9H16N2Si	1000374-68-0	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042825\
Data File : BP024451.D
Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

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

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

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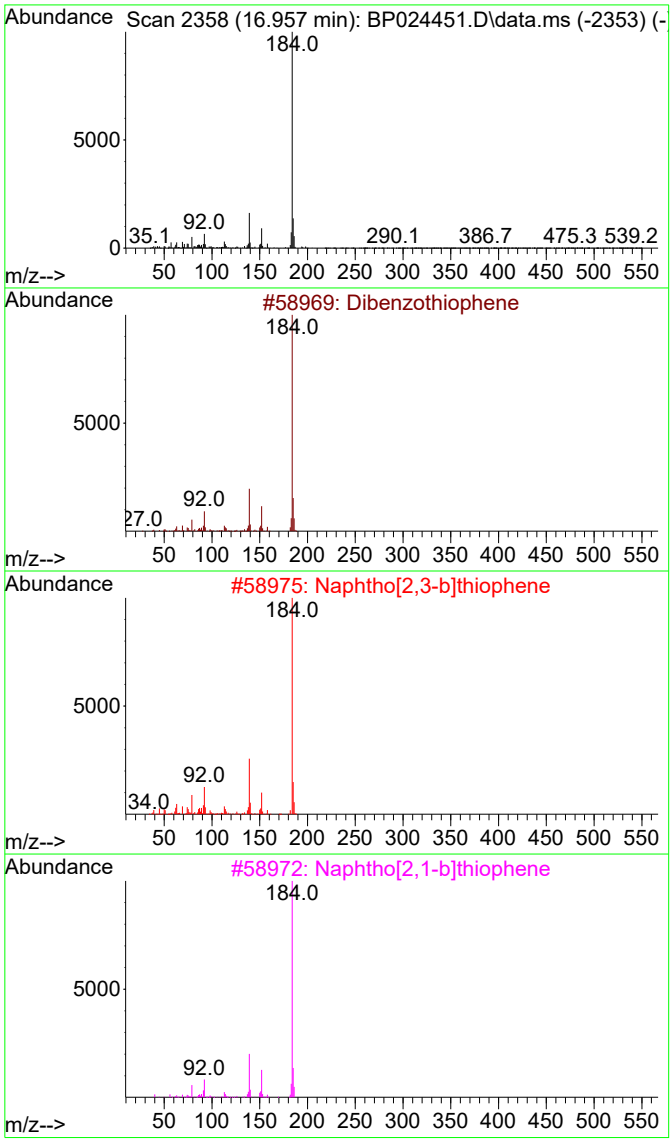
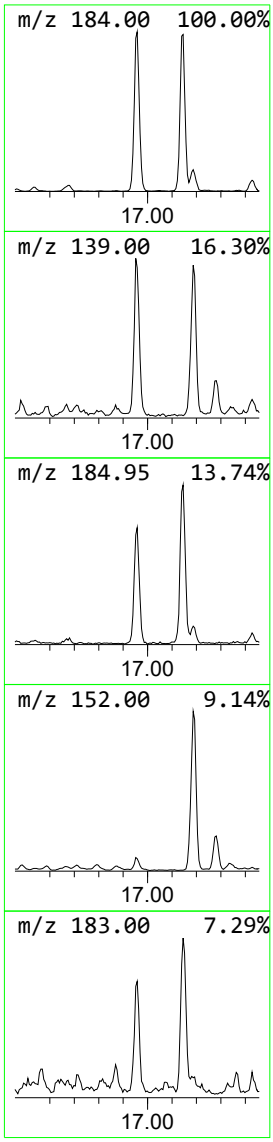
Peak Number 4 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.957	3.57 ng	403673	Phenanthrene-d10	17.145

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	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042825\
Data File : BP024451.D
Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

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

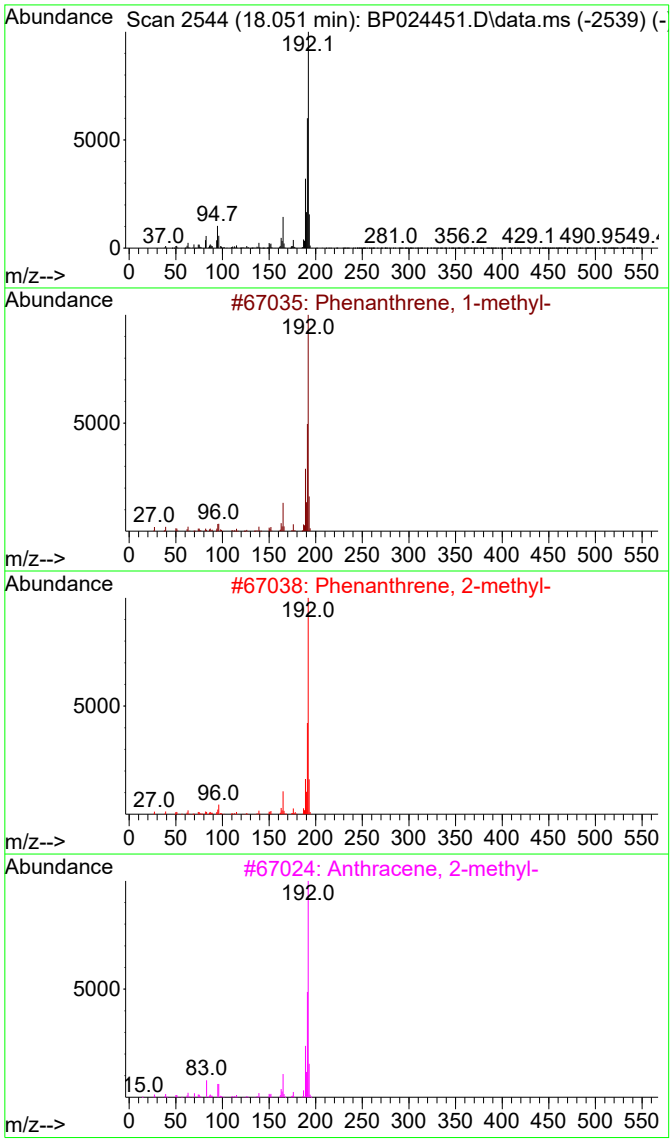
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

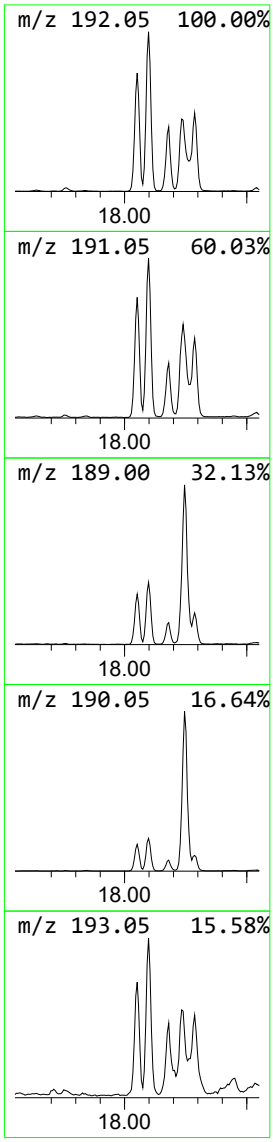
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.051	8.98 ng	1016200	Phenanthrene-d10	17.145

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

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

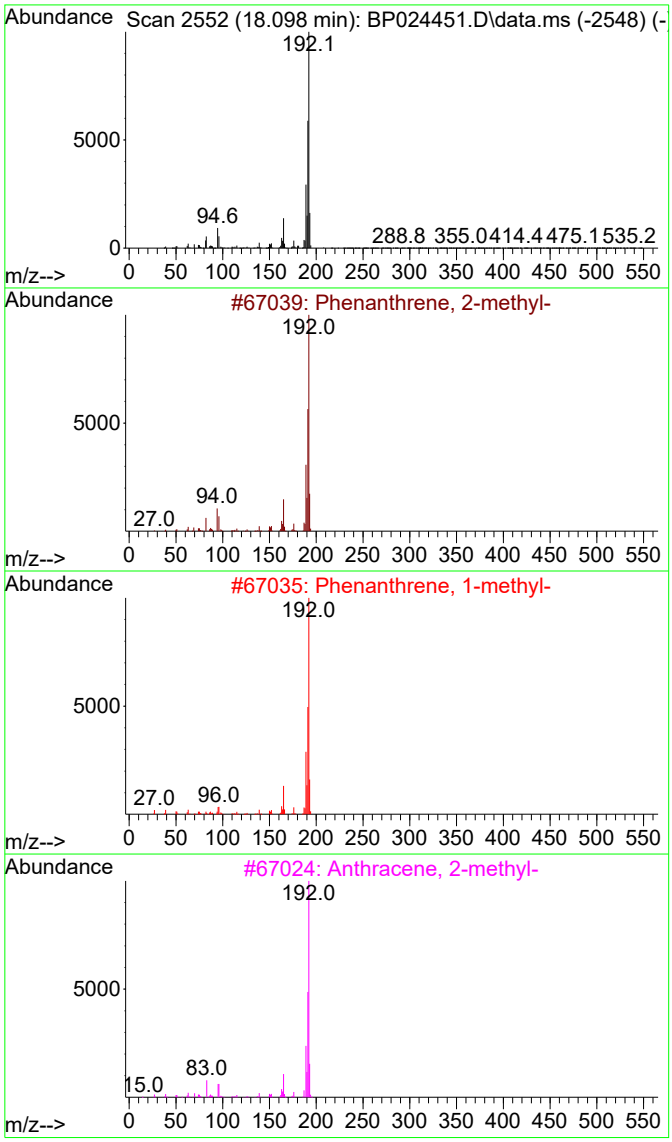
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

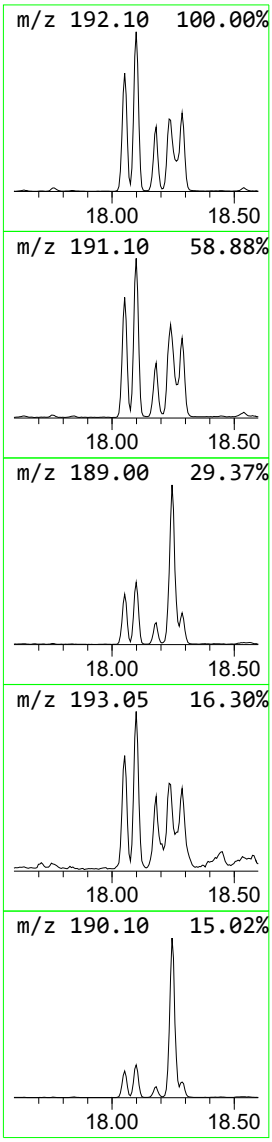
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.098	11.96 ng	1352390	Phenanthrene-d10	17.145

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 : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

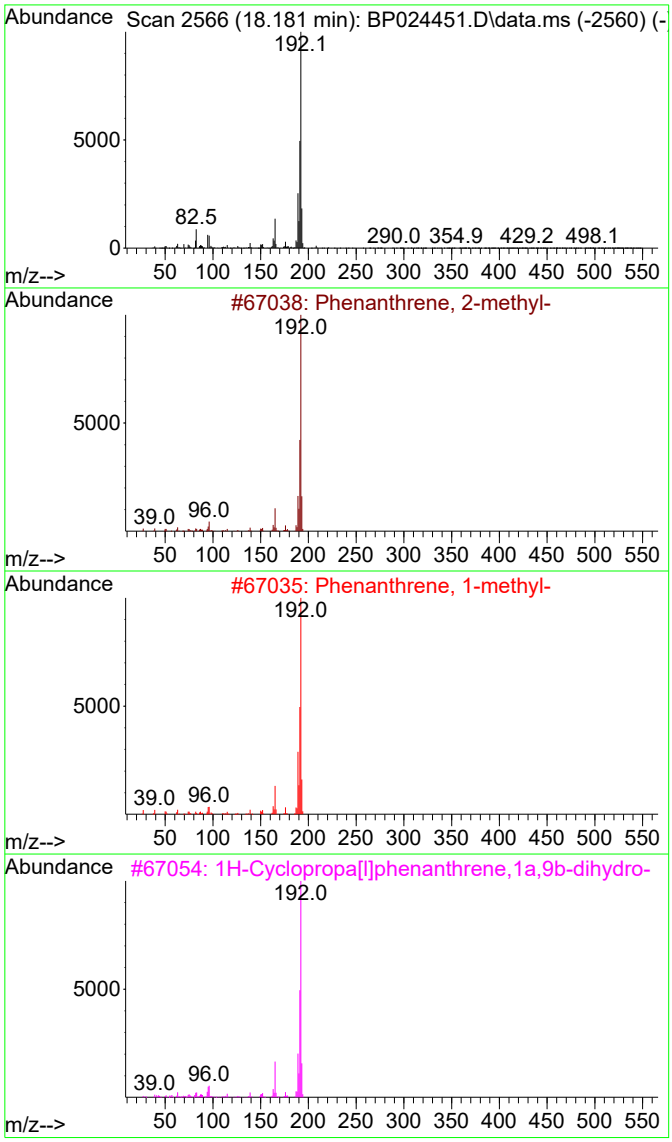
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

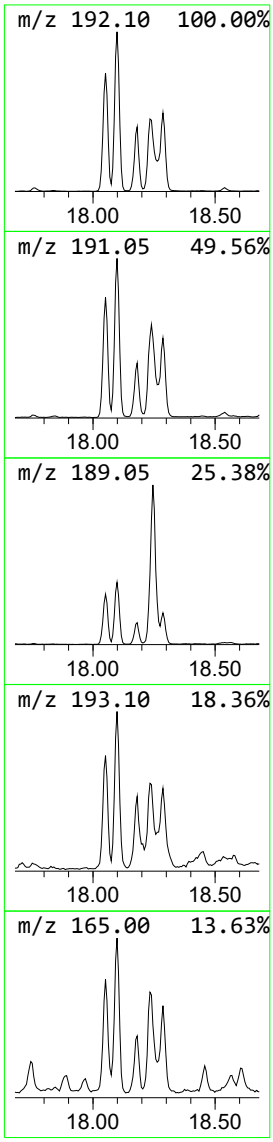
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.181	4.45 ng	502825	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

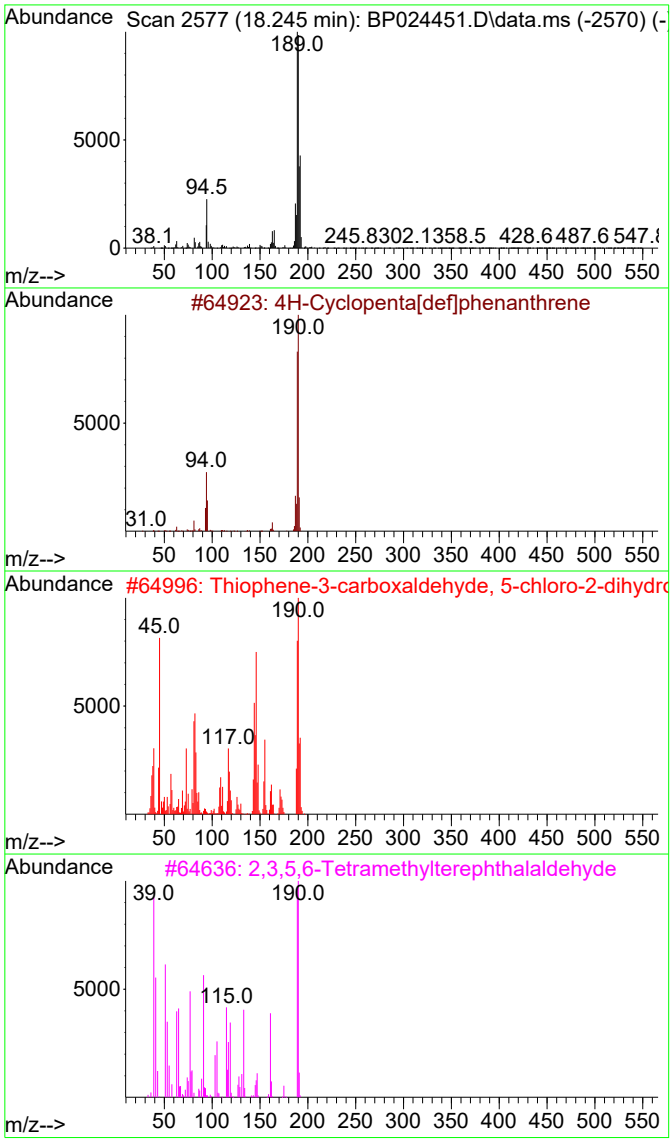
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

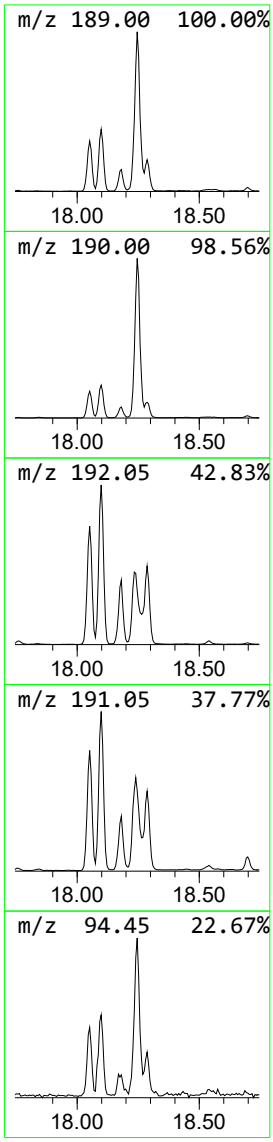
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.245	15.42 ng	1743700	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45





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Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

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

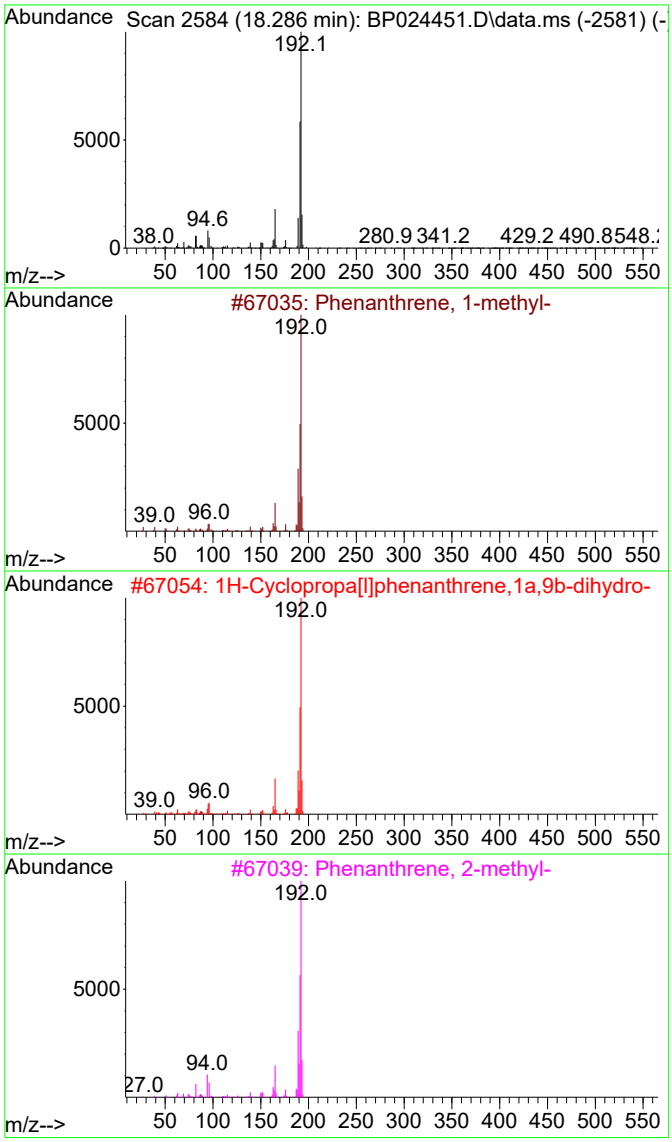
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

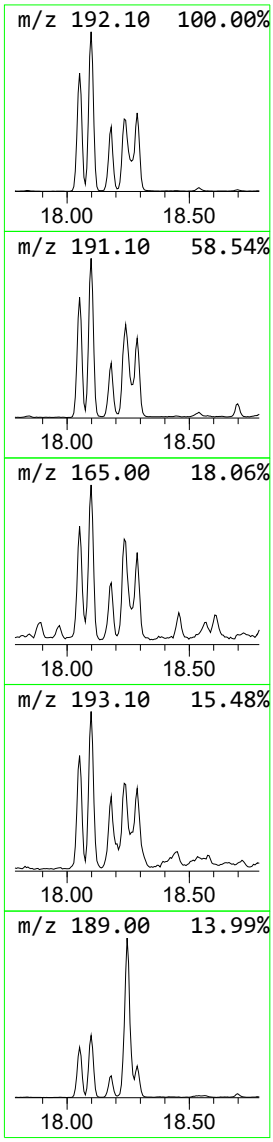
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.287	5.73 ng	648294	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





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Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

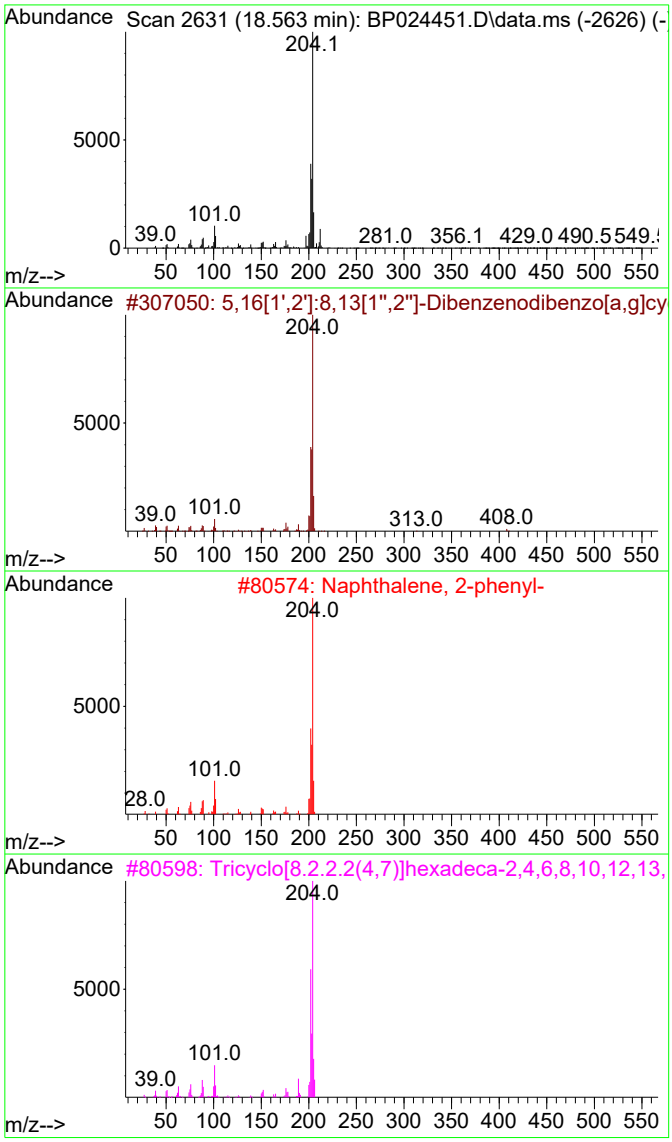
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

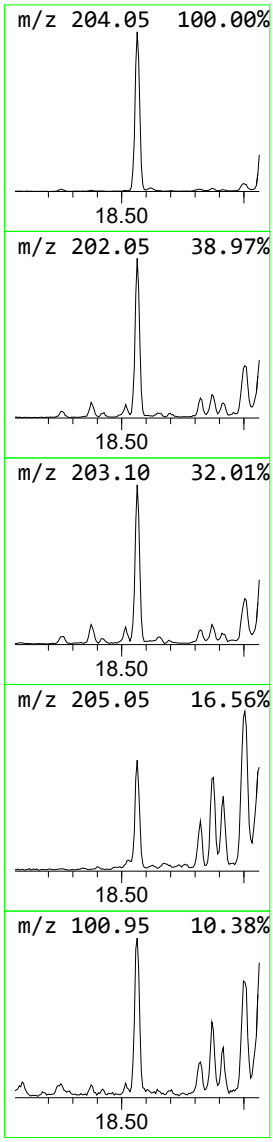
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.563	5.07 ng	573259	Phenanthrene-d10	17.145

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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Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

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

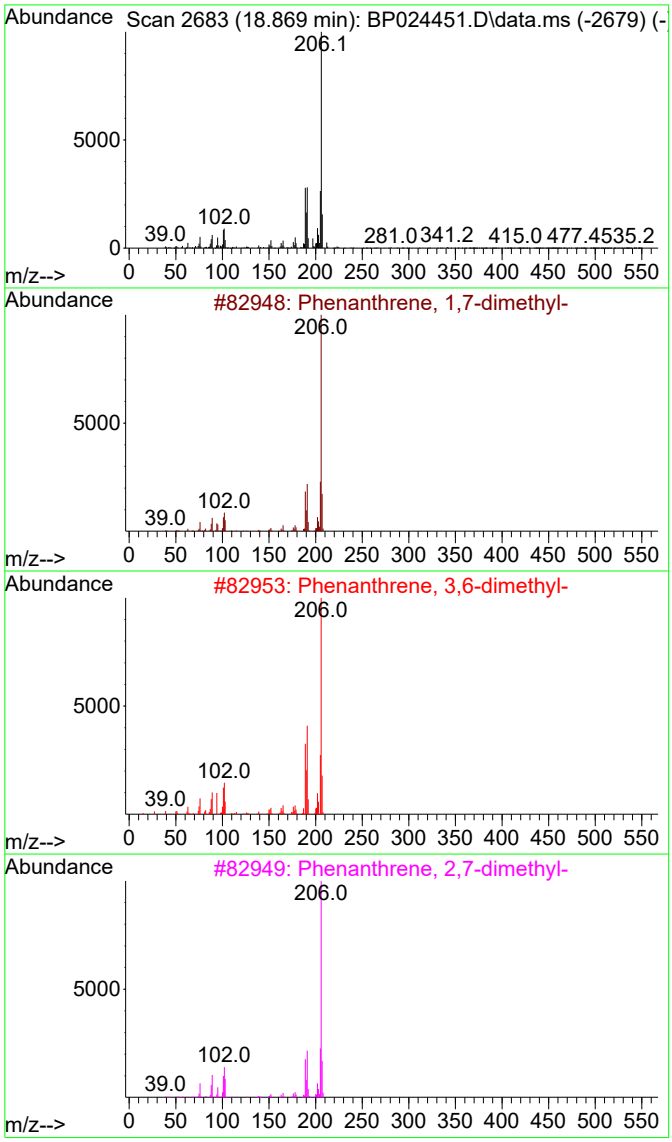
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

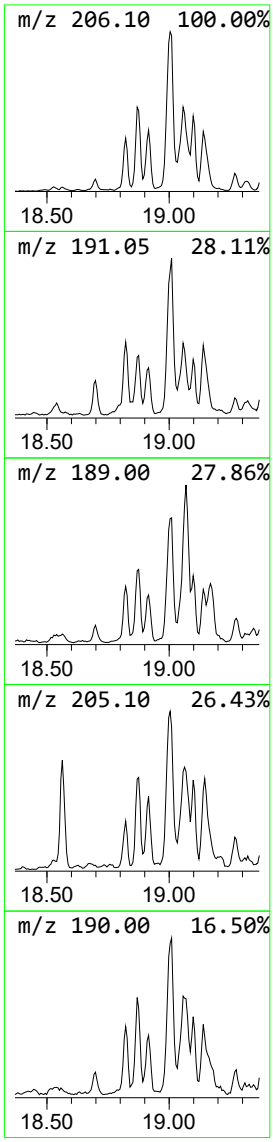
****

Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.869	3.30 ng	373269	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81





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Data File : BP024451.D
Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

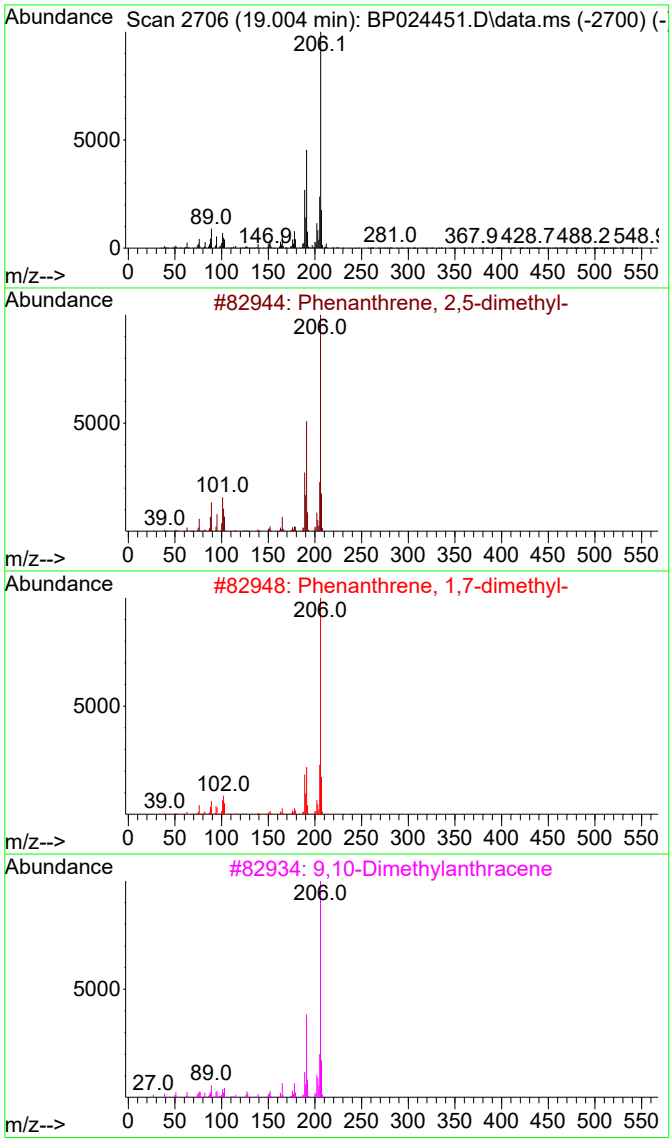
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

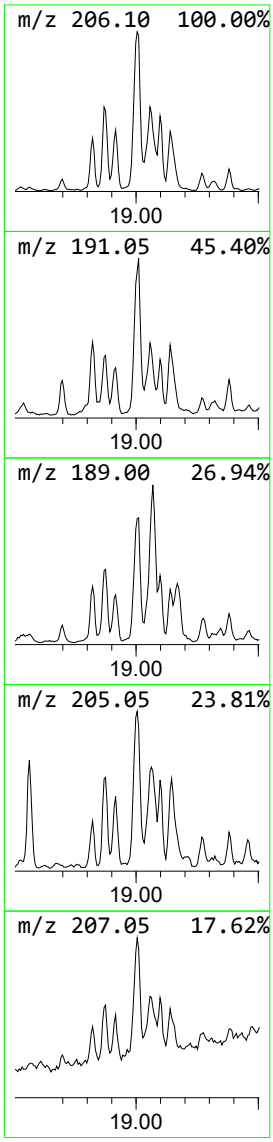
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.004	8.25 ng	933161	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Data File : BP024451.D
Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

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

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

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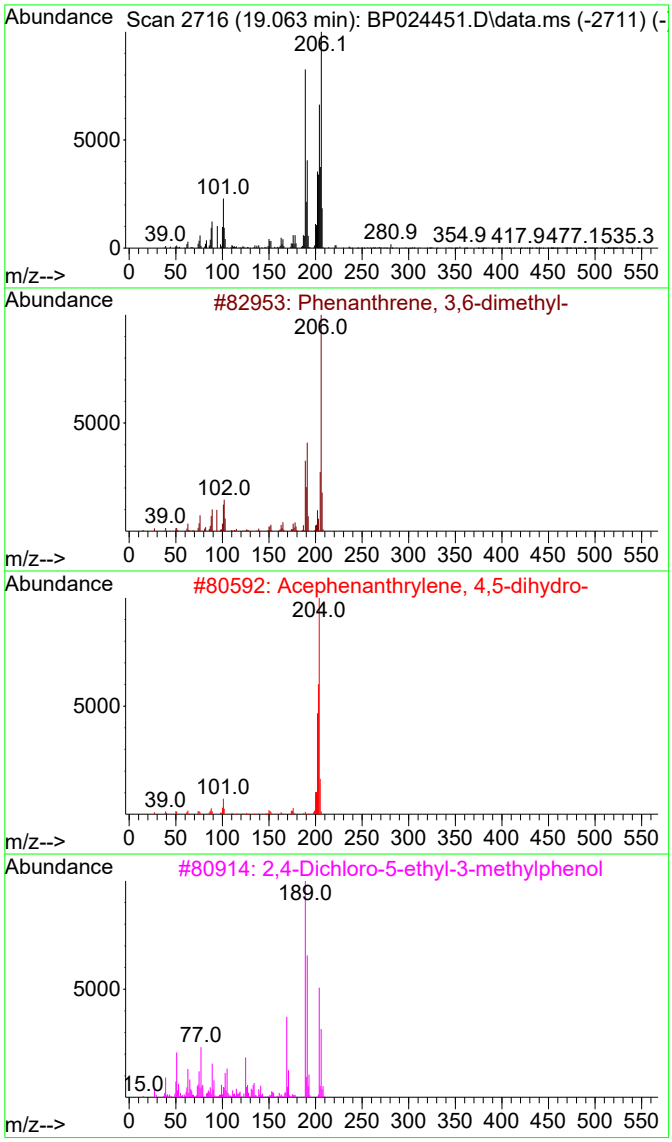
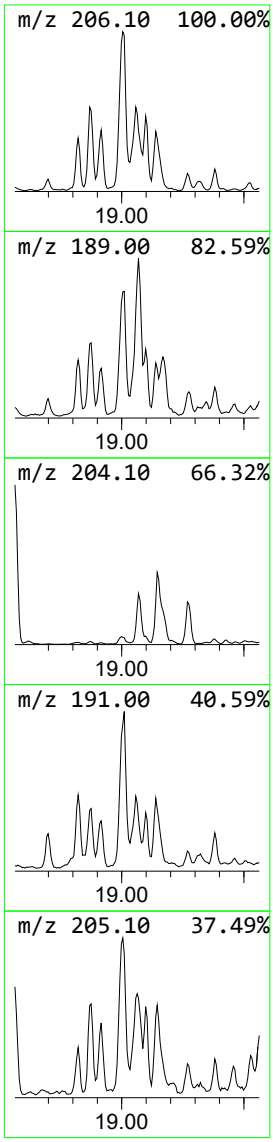
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.063	5.42 ng	613312	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	58
3	2,4-Dichloro-5-ethyl-3-methylphenol	204	C9H10Cl2O	001570-75-8	46
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	45
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	45





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Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

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

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

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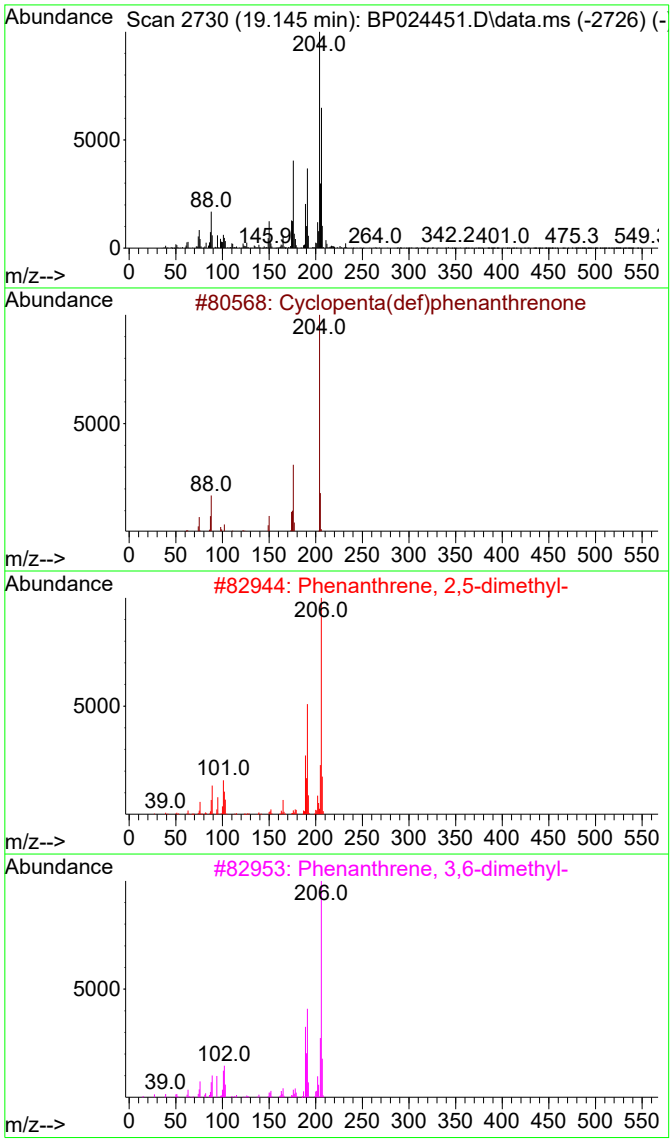
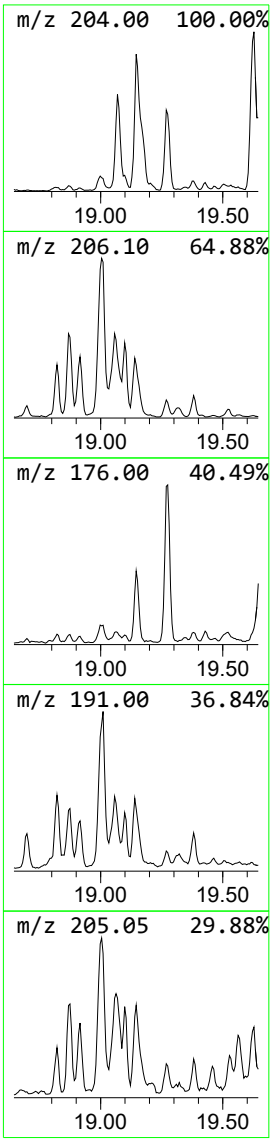
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.145	4.74 ng	536436	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	60
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	43
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	41





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Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

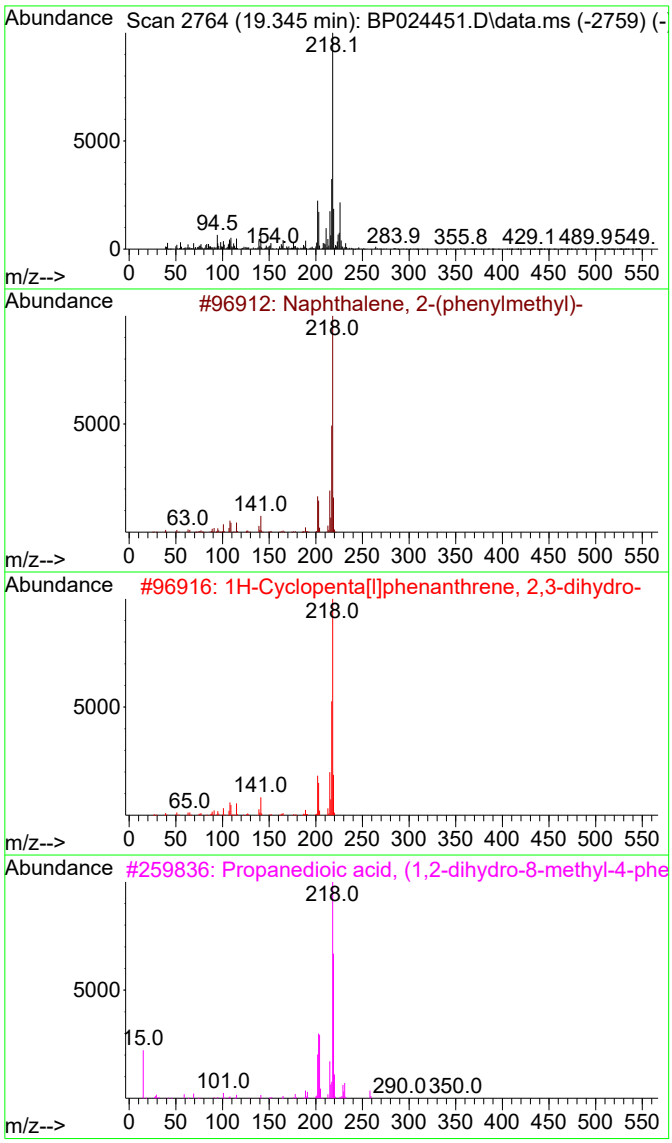
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

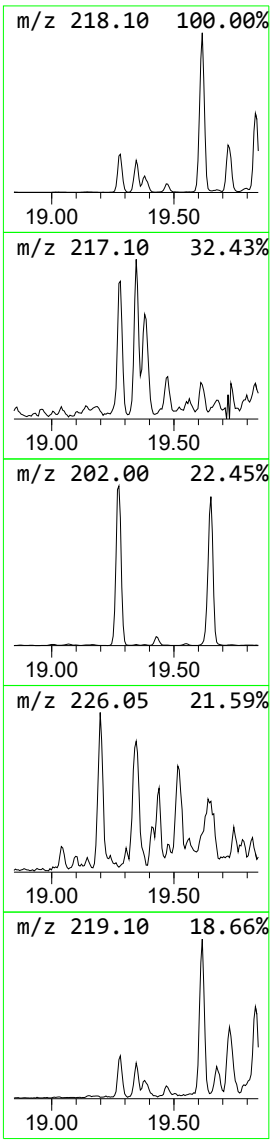
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Naphthalene, 2-(phenylmethyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.345	2.77 ng	313002	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	64
2	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	49
3	Propanedioic acid, (1,2-dihydro-...	350	C22H22O4	1000460-91-8	47
4	1,4-Naphthoquinone, 6-ethyl-2,5-...	218	C12H10O4	013378-87-5	46
5	1H-Pyrrolo[3,4-c]quinoline-1,3,4...	218	C11H10N2O3	181021-85-2	40





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Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

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

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

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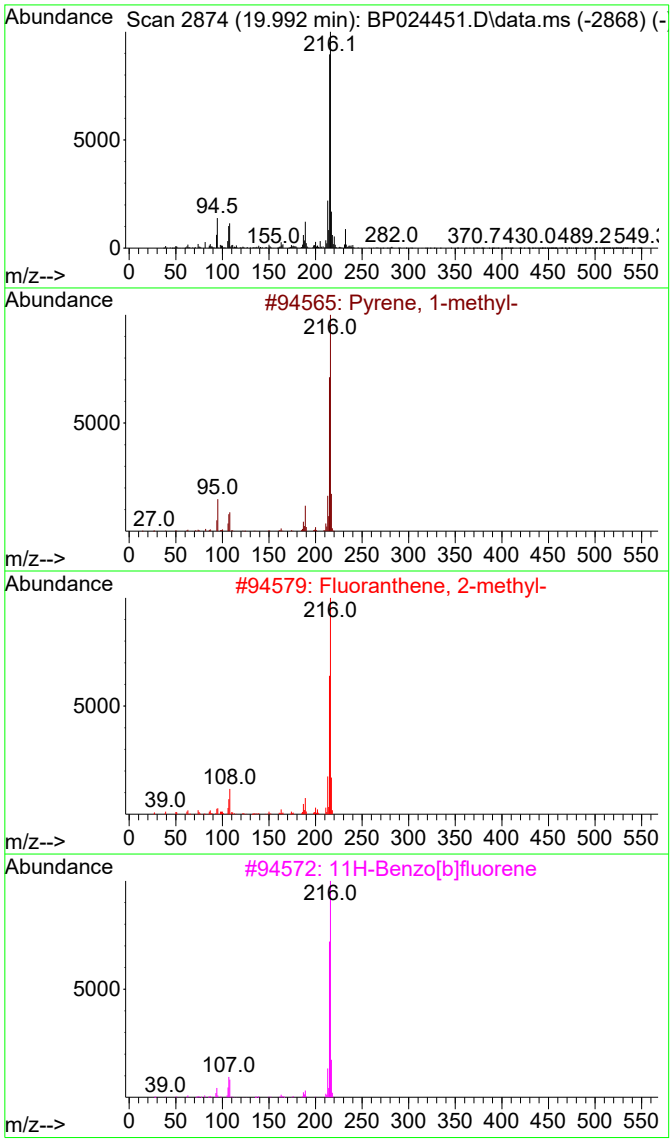
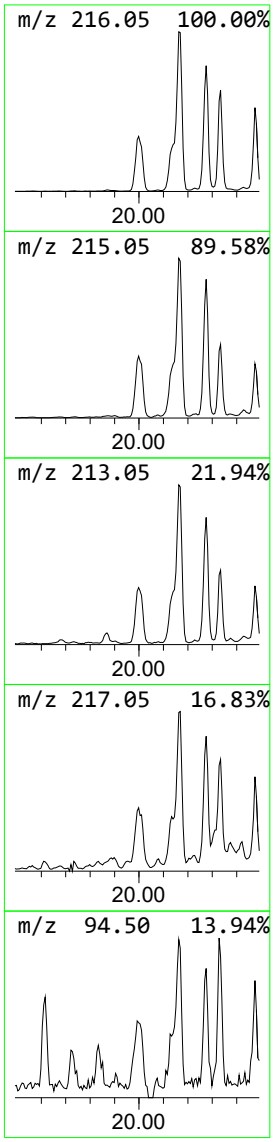
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.992	2.87 ng	1036950	Chrysene-d12	21.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042825\
Data File : BP024451.D
Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

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

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

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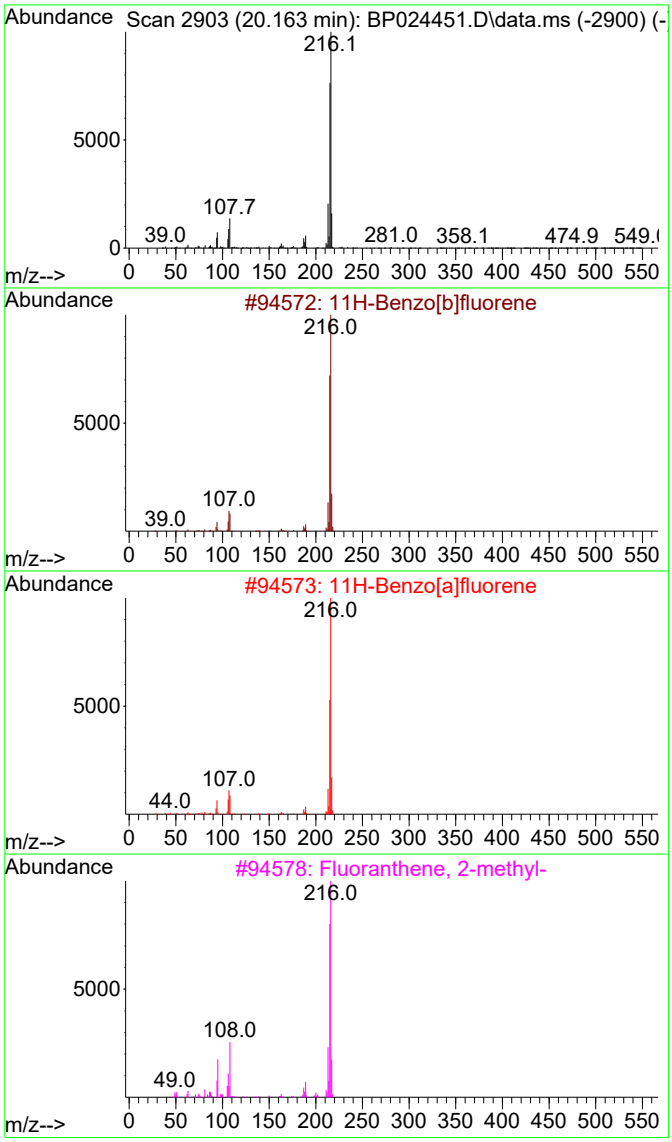
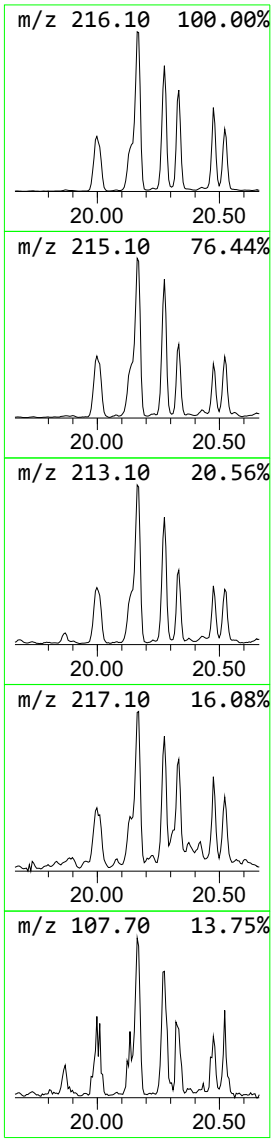
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.163	3.87 ng	1397510	Chrysene-d12	21.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042825\
Data File : BP024451.D
Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

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

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

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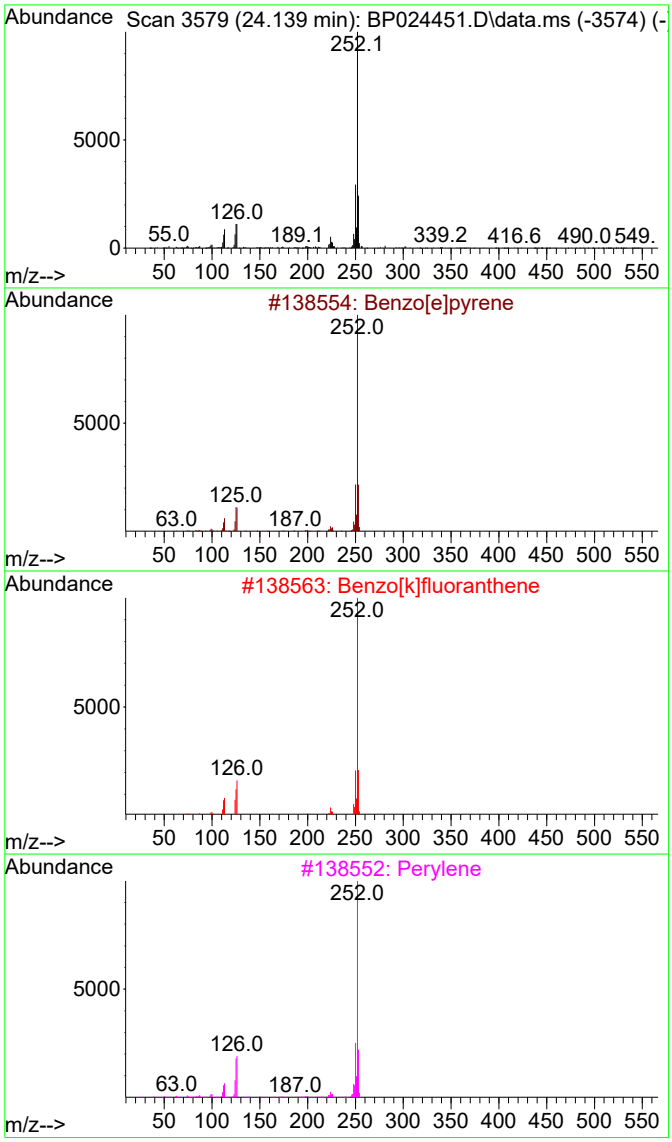
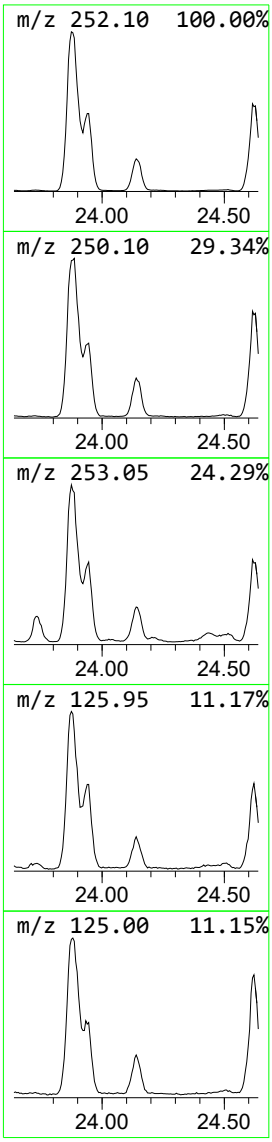
Peak Number 18 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.139	5.36 ng	765688	Perylene-d12	24.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042825\
Data File : BP024451.D
Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

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

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

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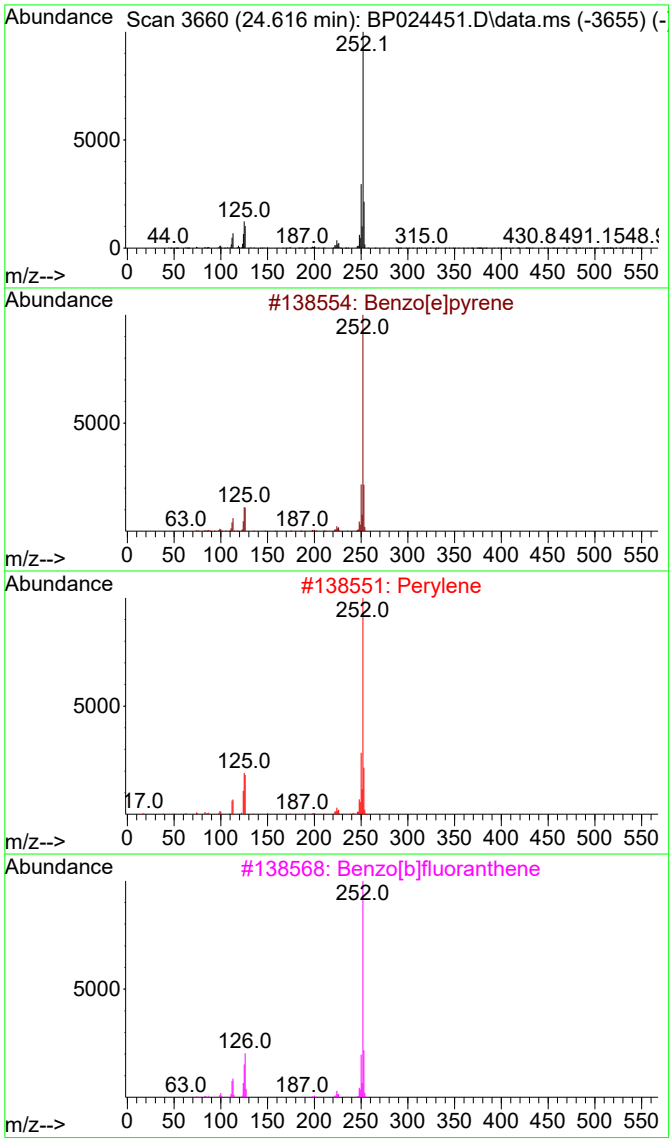
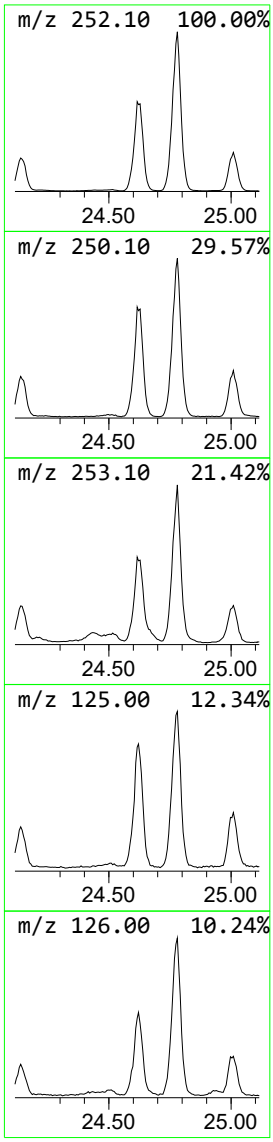
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.616	15.77 ng	2253260	Perylene-d12	24.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





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Data File : BP024451.D
Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

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

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

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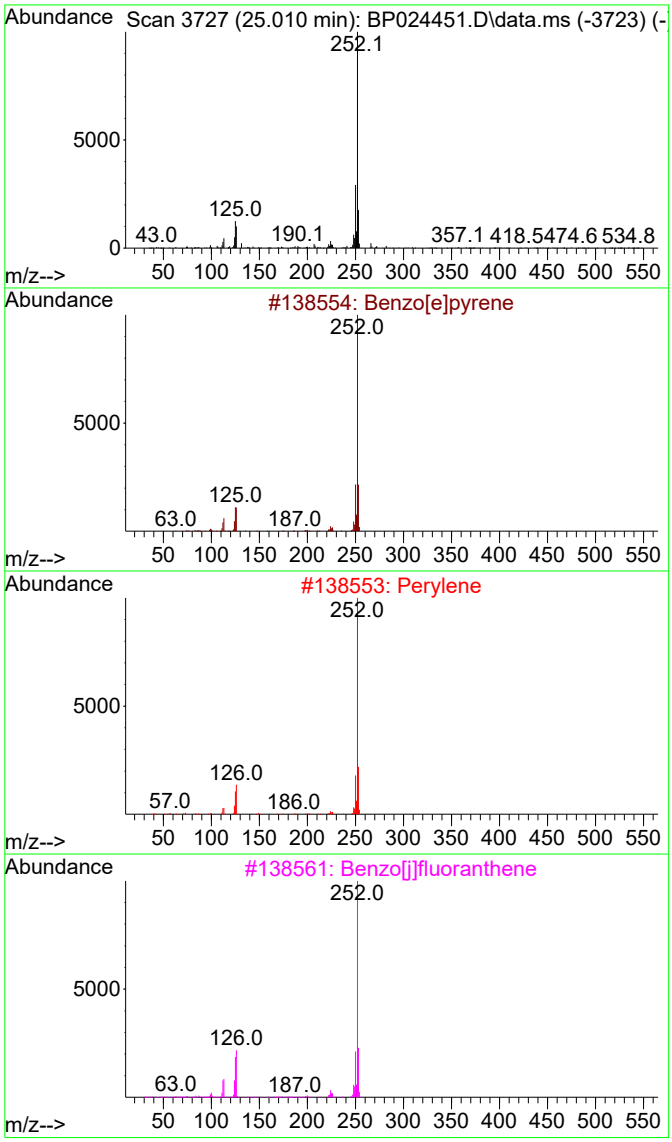
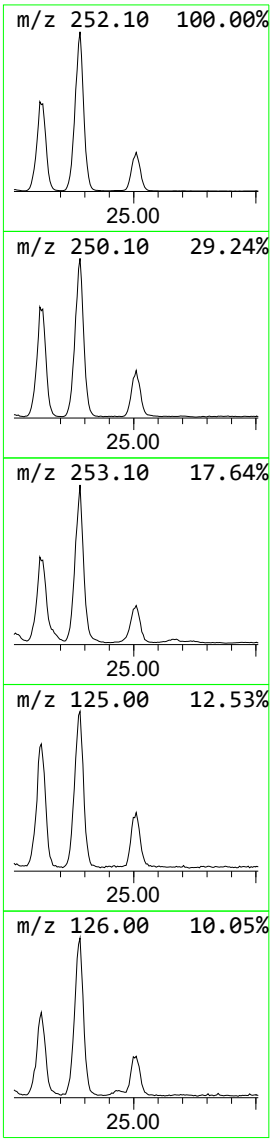
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.010	3.97 ng	566673	Perylene-d12	24.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	89
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042825\
Data File : BP024451.D
Acq On : 29 Apr 2025 00:29
Operator : RC/JU
Sample : Q1891-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-D

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 2,...	13.657	3.7	ng	349281	3	14.345	1889420	20.0
Naphthalene, 1,...	14.751	3.1	ng	294295	3	14.345	1889420	20.0
9H-Fluorene, 2-...	16.434	3.0	ng	340455	4	17.145	2262150	20.0
Dibenzothiophene	16.957	3.6	ng	403673	4	17.145	2262150	20.0
Anthracene, 2-m...	18.051	9.0	ng	1016200	4	17.145	2262150	20.0
Phenanthrene, 2...	18.098	12.0	ng	1352390	4	17.145	2262150	20.0
1H-Cyclopropa[l...	18.181	4.5	ng	502825	4	17.145	2262150	20.0
4H-Cyclopenta[d...	18.245	15.4	ng	1743700	4	17.145	2262150	20.0
Phenanthrene, 1...	18.287	5.7	ng	648294	4	17.145	2262150	20.0
5,16[1',2']:8,1...	18.563	5.1	ng	573259	4	17.145	2262150	20.0
Phenanthrene, 1...	18.869	3.3	ng	373269	4	17.145	2262150	20.0
Phenanthrene, 2...	19.004	8.3	ng	933161	4	17.145	2262150	20.0
Phenanthrene, 3...	19.063	5.4	ng	613312	4	17.145	2262150	20.0
Cyclopenta(def)...	19.145	4.7	ng	536436	4	17.145	2262150	20.0
Naphthalene, 2-...	19.345	2.8	ng	313002	4	17.145	2262150	20.0
Pyrene, 1-methyl-	19.992	2.9	ng	1036950	5	21.586	7220400	20.0
11H-Benzo[b]flu...	20.163	3.9	ng	1397510	5	21.586	7220400	20.0
Benzo[e]pyrene	24.139	5.4	ng	765688	6	24.939	2857040	20.0
Perylene	24.616	15.8	ng	2253260	6	24.939	2857040	20.0
Benzo[j]fluoran...	25.010	4.0	ng	566673	6	24.939	2857040	20.0