LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050073.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.346	395	401	417	rBV	476500	824293	3.11%	0.319%
2	6.940	666	672	687	rVB	389251	770107	2.90%	0.298%
3	7.746	802	809	819	rBV	857364	1448708	5.46%	0.560%
4	8.910	1000	1007	1017	rBV	234210	482326	1.82%	0.186%
5	10.539	1275	1284	1290	rBV	1050820	1883417	7.10%	0.728%
6	10.592	1290	1293	1301	rVB	180781	309254	1.17%	0.120%
7	13.010	1698	1704	1715	rBV	863225	1357010	5.11%	0.524%
8	13.716	1817	1824	1829	rBV	220804	396103	1.49%	0.153%
9	14.116	1883	1892	1905	rBV	466007	755495	2.85%	0.292%
10	14.392	1930	1939	1945	rBV	1903772	2828926	10.66%	1.093%
11	14.457	1945	1950	1958	rVB	1366861	1960924	7.39%	0.758%
12	14.704	1985	1992	1997	rBV2	154650	267203	1.01%	0.103%
13	14.792	2001	2007	2015	rVV	875216	1323978	4.99%	0.512%
14	15.445	2112	2118	2129	rVB	1573634	2341118	8.82%	0.905%
15	15.569	2136	2139	2142	rVV	240673	321052	1.21%	0.124%
16	15.604	2142	2145	2150	rVB2	225904	326769	1.23%	0.126%
17	15.745	2163	2169	2177	rVB2	428867	922249	3.48%	0.356%
18	15.892	2184	2194	2201	rBV	1076774	1900645	7.16%	0.734%
19	15.974	2201	2208	2215	rVB3	108545	272617	1.03%	0.105%
20	16.127	2228	2234	2240	rVB5	154311	277328	1.04%	0.107%
21	16.451	2277	2289	2293	rBV3	373809	921253	3.47%	0.356%
22	16.498	2293	2297	2302	rVB3	243671	351740	1.33%	0.136%
23	16.721	2330	2335	2343	rVB2	261603	443525	1.67%	0.171%
24	16.798	2344	2348	2355	rVB	475286	703107	2.65%	0.272%
25	16.892	2356	2364	2371	rBV2	313615	763916	2.88%	0.295%
26	16.963	2371	2376	2385	rVB	836583	1274738	4.80%	0.493%
27	17.139	2401	2406	2409	rBV	2254077	3167676	11.94%	1.224%
28	17.186	2409	2414	2420	rVV	16207309	22888703	86.25%	8.845%
29	17.274	2420	2429	2435	rVV	3642835	5113735	19.27%	1.976%
30	17.339	2435	2440	2445	rVV2	268560	453788	1.71%	0.175%
31	17.545	2468	2475	2489	rBV2	935277	1747189	6.58%	0.675%
32	17.663	2491	2495	2499	rBV	260530	329535	1.24%	0.127%
33	17.721	2501	2505	2510	rBV2	331482	480468	1.81%	0.186%
34	17.863	2525	2529	2538	rVB	211905	377819	1.42%	0.146%
35	18.015	2550	2555	2559	rBV	2381668	3190195	12.02%	1.233%
36	18.068	2559	2564	2569	rVB	2945690	4096078	15.43%	1.583%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.145	2572	2577	2582	rBV	880515	1160719	4.37%	0.449%
38	18.210	2582	2588	2592	rVV2	2868453	5074455	19.12%	1.961%
39	18.251	2592	2595	2601	rVB	1594372	2068942	7.80%	0.800%
40	18.327	2604	2608	2612	rBV3	175189	265601	1.00%	0.103%
41	18.415	2619	2623	2627	rBV2	194149	286219	1.08%	0.111%
42	18.515	2636	2640	2644	rBV	1392755	1834337	6.91%	0.709%
43	18.562	2644	2648	2657	rVB2	1109503	1670147	6.29%	0.645%
44	18.645	2658	2662	2665	rBV	272183	325682	1.23%	0.126%
45	18.762	2674	2682	2687	rBV2	778515	1354305	5.10%	0.523%
46	18.815	2688	2691	2695	rVV	492700	667127	2.51%	0.258%
47	18.857	2695	2698	2702	rVB	394835	493481	1.86%	0.191%
48	18.939	2707	2712	2716	rBV	1219010	1938112	7.30%	0.749%
49	19.004	2718	2723	2726	rVV2	655800	1301401	4.90%	0.503%
50	19.033	2726	2728	2731	rVB	420762	397049	1.50%	0.153%
51	19.080	2731	2736	2743	rBV3	791866	1501319	5.66%	0.580%
52	19.210	2751	2758	2763	rBV	19720750	26538849	100.00%	10.255%
53	19.262	2763	2767	2771	rBV2	346196	435687	1.64%	0.168%
54	19.304	2771	2774	2779	rVB	450291	573916	2.16%	0.222%
55	19.404	2786	2791	2794	rBV3	273336	489900	1.85%	0.189%
56	19.445	2794	2798	2802	rBV	494894	612463	2.31%	0.237%
57	19.568	2815	2819	2827	rVB	17813516	24796893	93.44%	9.582%
58	19.639	2827	2831	2838	rVB2	795597	1284209	4.84%	0.496%
59	19.762	2844	2852	2856	rBV2	1595113	2874785	10.83%	1.111%
60	19.809	2856	2860	2865	rVB	629447	1029600	3.88%	0.398%
61	19.892	2868	2874	2881	rBV3	1004133	2565429	9.67%	0.991%
62	20.027	2892	2897	2899	rBV4	860281	1417650	5.34%	0.548%
63	20.062	2899	2903	2908	rVB2	2481681	3390214	12.77%	1.310%
64	20.162	2916	2920	2924	rBV	1657310	2025254	7.63%	0.783%
65	20.221	2924	2930	2934	rVV2	1681965	2596685	9.78%	1.003%
66	20.257	2934	2936	2940	rVV2	489979	594055	2.24%	0.230%
67	20.304	2941	2944	2948	rVB3	277524	343510	1.29%	0.133%
68	20.362	2950	2954	2957	rVV	1039398	1353779	5.10%	0.523%
69	20.404	2957	2961	2965	rVV	1165192	1578737	5.95%	0.610%
70	20.462	2968	2971	2974	rVB	606964	614110	2.31%	0.237%
71	20.774	3021	3024	3027	rBV2	250910	353930	1.33%	0.137%
72	20.815	3027	3031	3037	rVB	1191916	1617068	6.09%	0.625%
73	20.986	3054	3060	3064	rBV3	1175286	2079009	7.83%	0.803%
74	21.027	3064	3067	3070	rVV	1401288	1694674	6.39%	0.655%
75	21.074	3070	3075	3080	rVV2	1099211	2163308	8.15%	0.836%
76	21.133	3081	3085	3092	rVB	1017140	1615437	6.09%	0.624%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.368	3120	3125	3131	rBV2	8817139	16597388	62.54%	6.414%
78	21.427	3131	3135	3147	rVB	7701977	11587144	43.66%	4.478%
79	21.527	3148	3152	3155	rBV2	384664	558707	2.11%	0.216%
80	21.568	3155	3159	3167	rVB	1012084	1479456	5.57%	0.572%
81	21.768	3188	3193	3199	rVB2	683752	1290883	4.86%	0.499%
82	22.068	3241	3244	3249	rVB	1175014	1669452	6.29%	0.645%
83	22.133	3252	3255	3263	rVB	643359	1075758	4.05%	0.416%
84	22.321	3283	3287	3290	rBV	547382	809582	3.05%	0.313%
85	23.439	3469	3477	3484	rBV	4553359	13352808	50.31%	5.160%
86	23.674	3512	3517	3524	rVB	822882	1583637	5.97%	0.612%
87	24.103	3583	3590	3602	rVB	2922951	7342122	27.67%	2.837%
88	24.239	3605	3613	3624	rVB	4306562	10375763	39.10%	4.010%
89	24.380	3630	3637	3642	rBV	1312289	3121980	11.76%	1.206%
90	24.444	3644	3648	3662	rVB2	1122322	2902816	10.94%	1.122%
91	27.762	4203	4212	4232	rVB2	1860386	7572559	28.53%	2.926%
92	28.815	4383	4391	4406	rVB	1395164	5205797	19.62%	2.012%

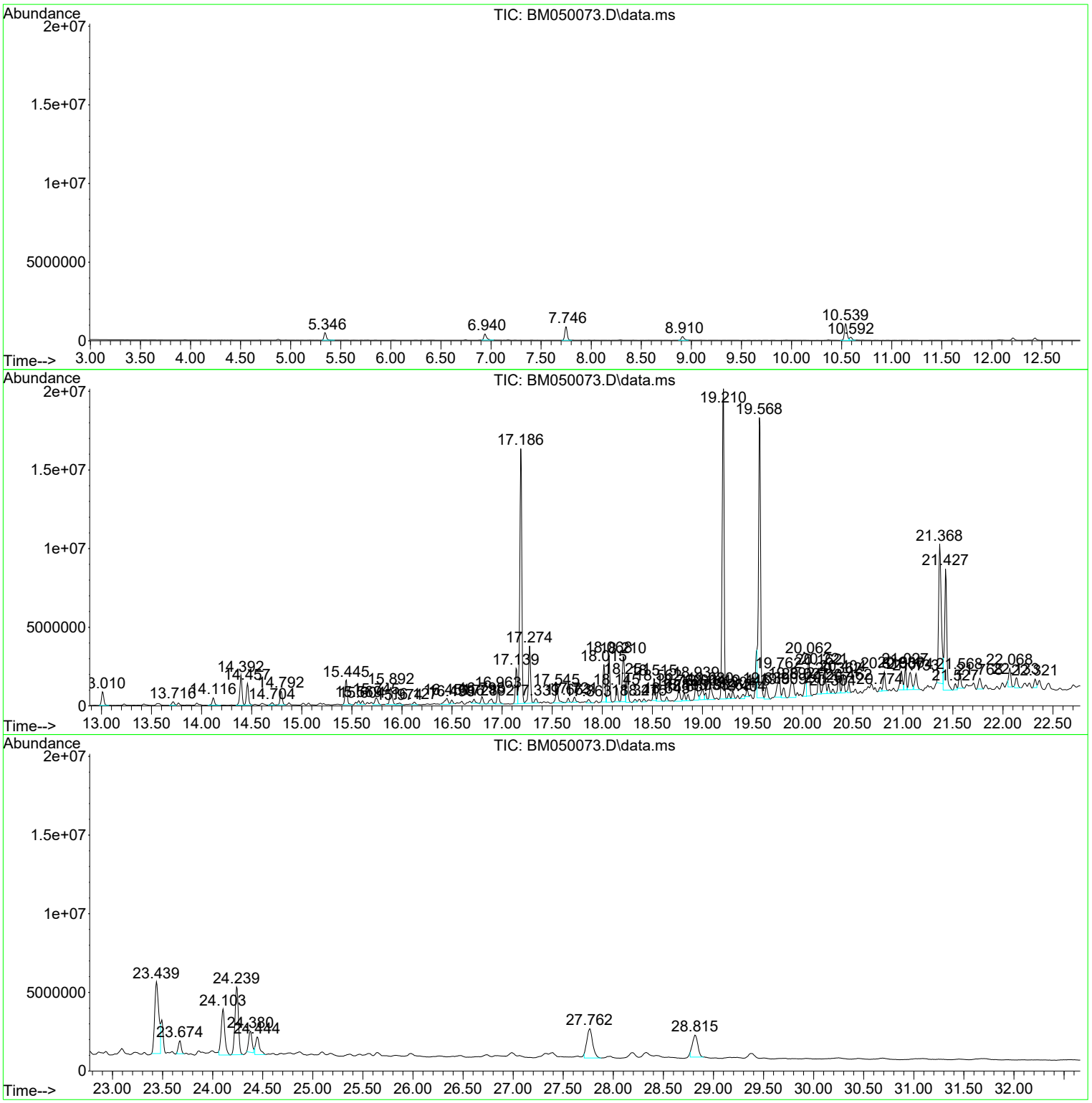
Sum of corrected areas: 258776886

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

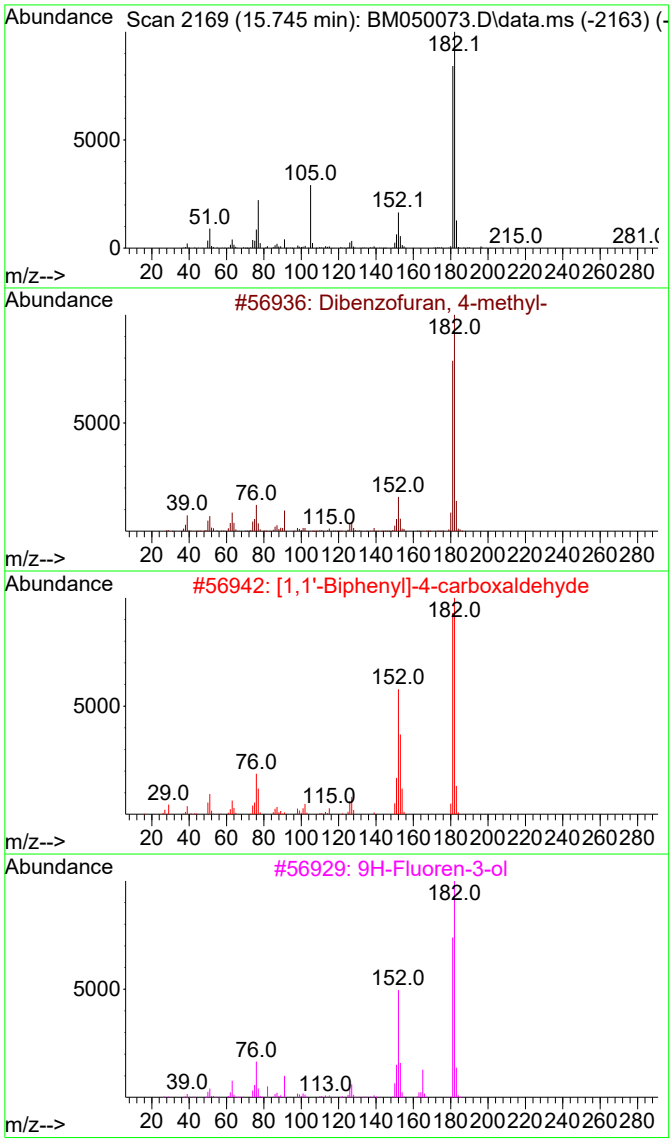
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

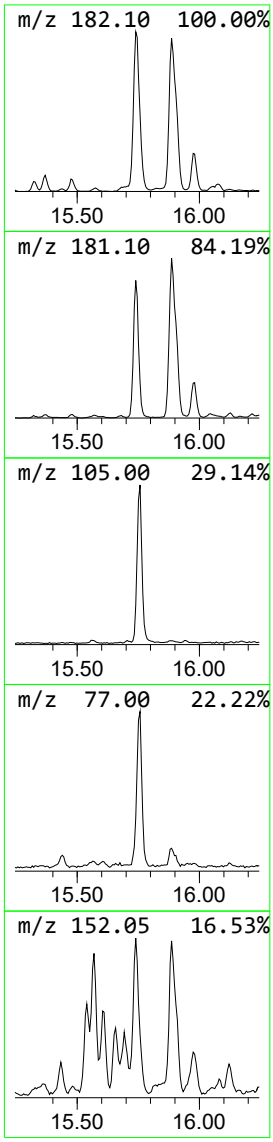
****

Peak Number 1 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.745	6.52 ng	922249	Acenaphthene-d10	14.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
3	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	72
4	1-(Difluoromethyl)-6-methylpyrro...	182	C9H8F2N2	1000411-14-9	58
5	Norharmane, N-methyl-	182	C12H10N2	1010374-78-6	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

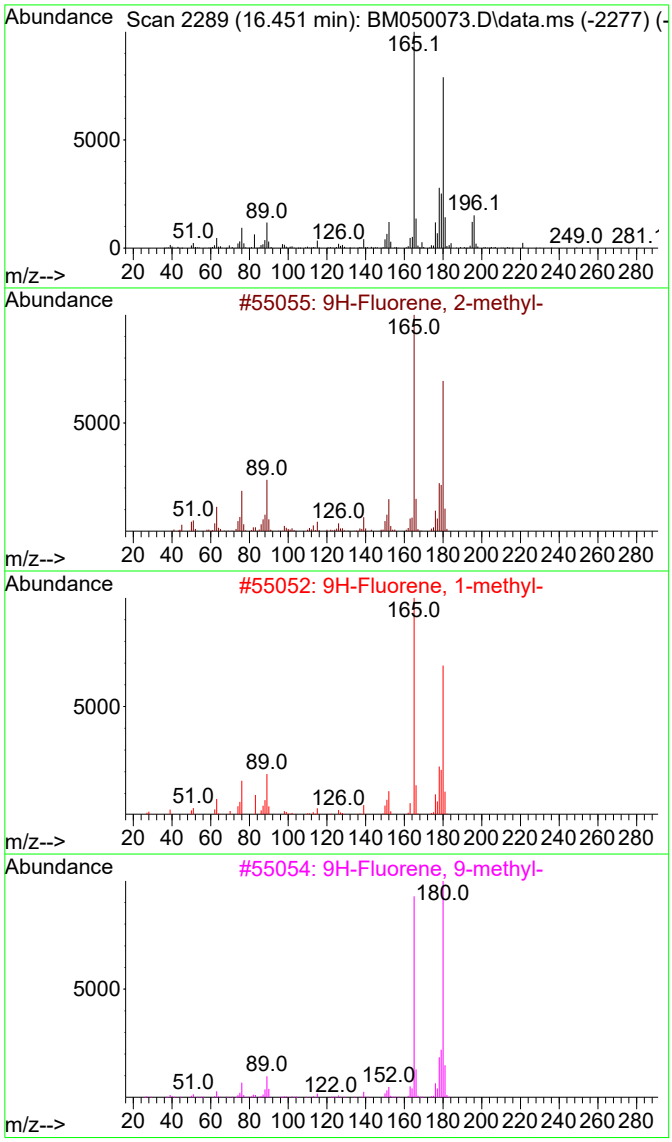
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

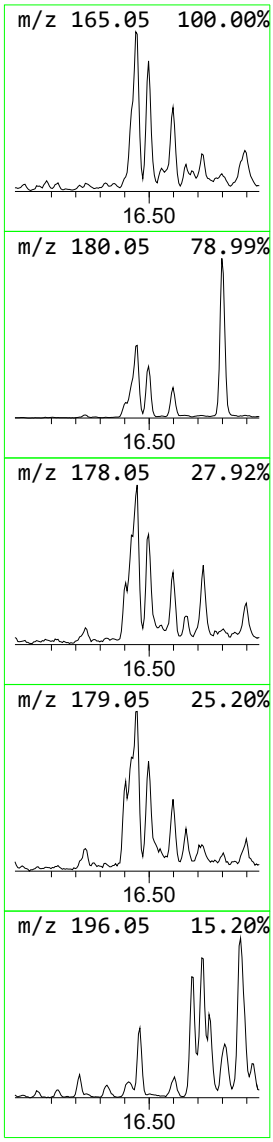
****

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.451	5.82 ng	921253	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	92
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

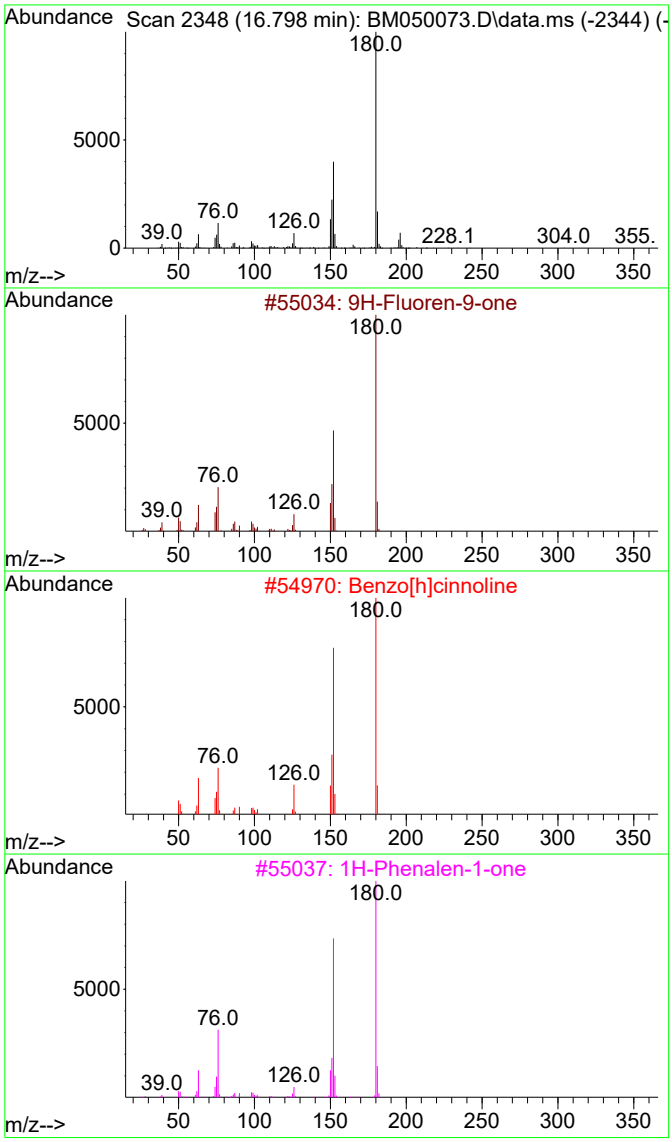
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

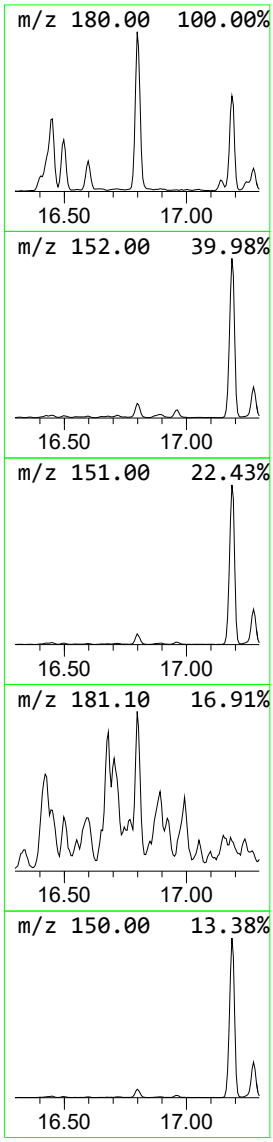
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.798	4.44 ng	703107	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	52
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50
5	7-Nitro-3H-imidazo[4,5-b]pyridin...	180	C6H4N4O3	014432-11-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

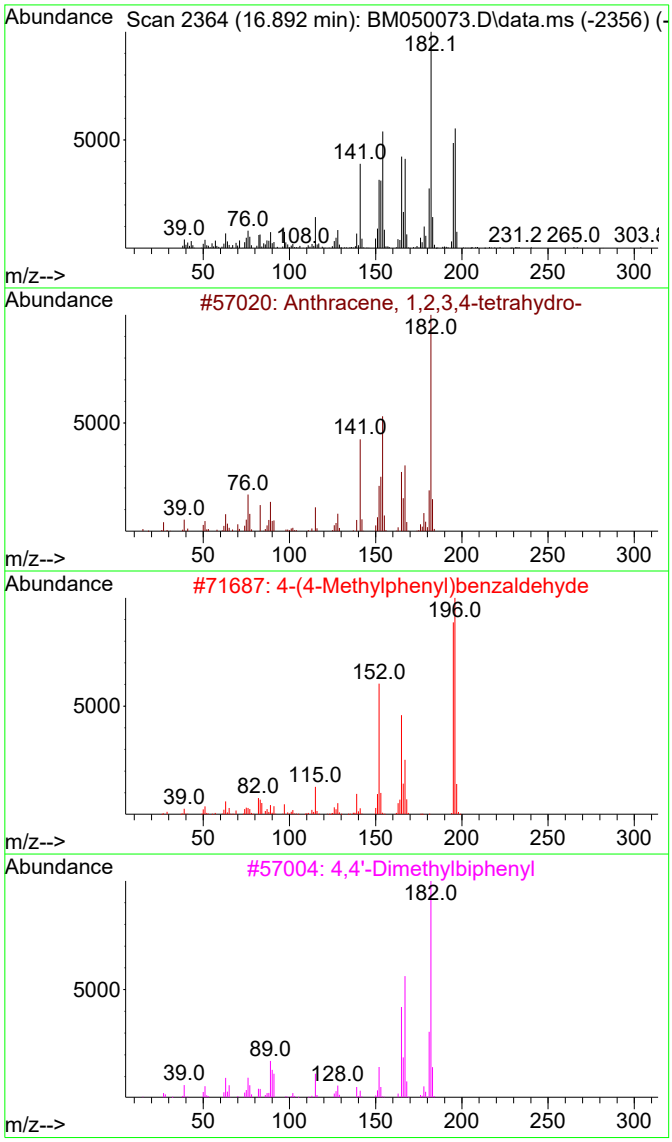
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

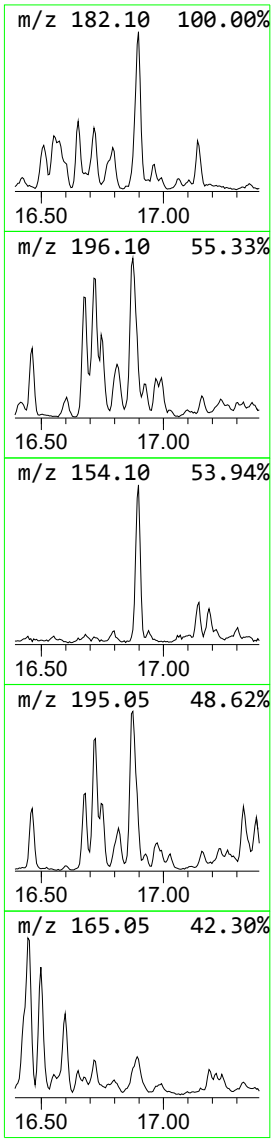
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.892	4.82 ng	763916	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	94
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	70
3	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	64
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	50
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

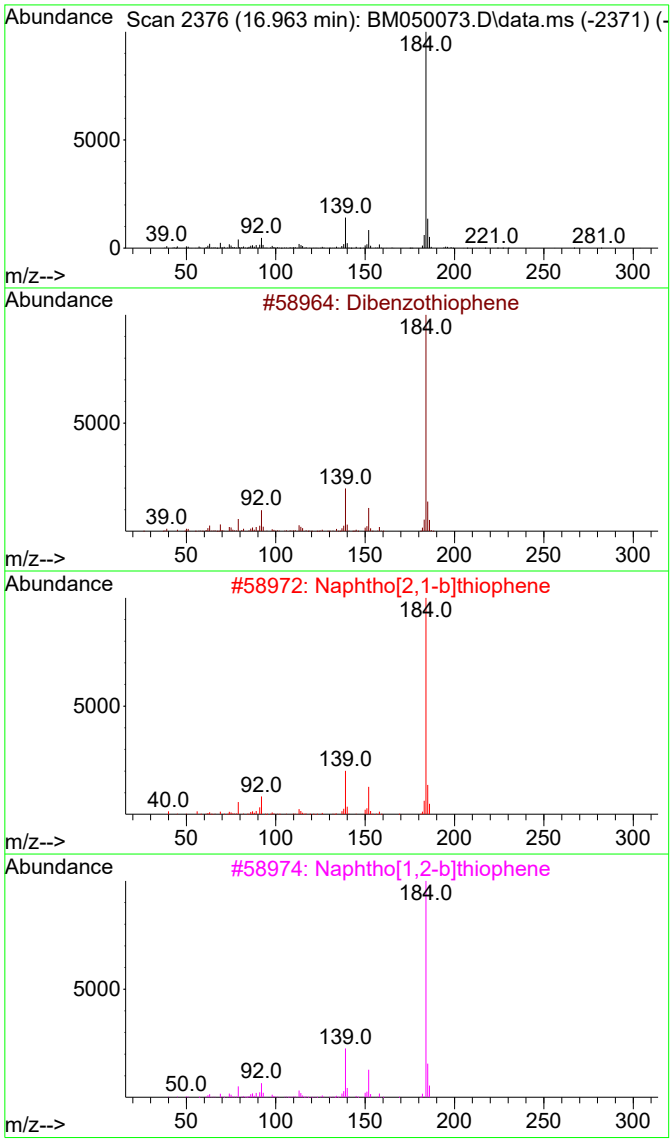
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

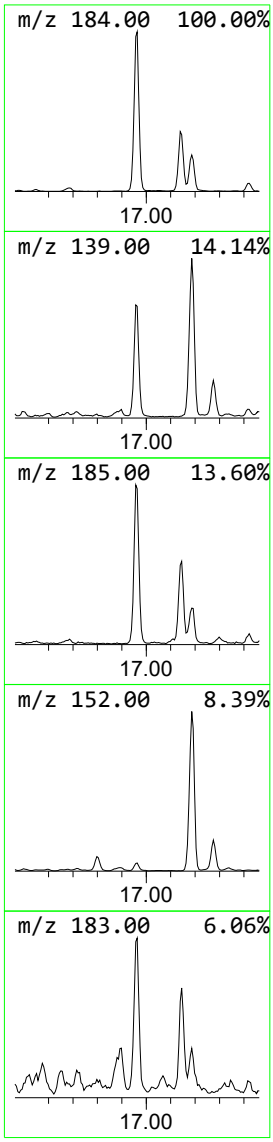
****

Peak Number 5 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.963	8.05 ng	1274740	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

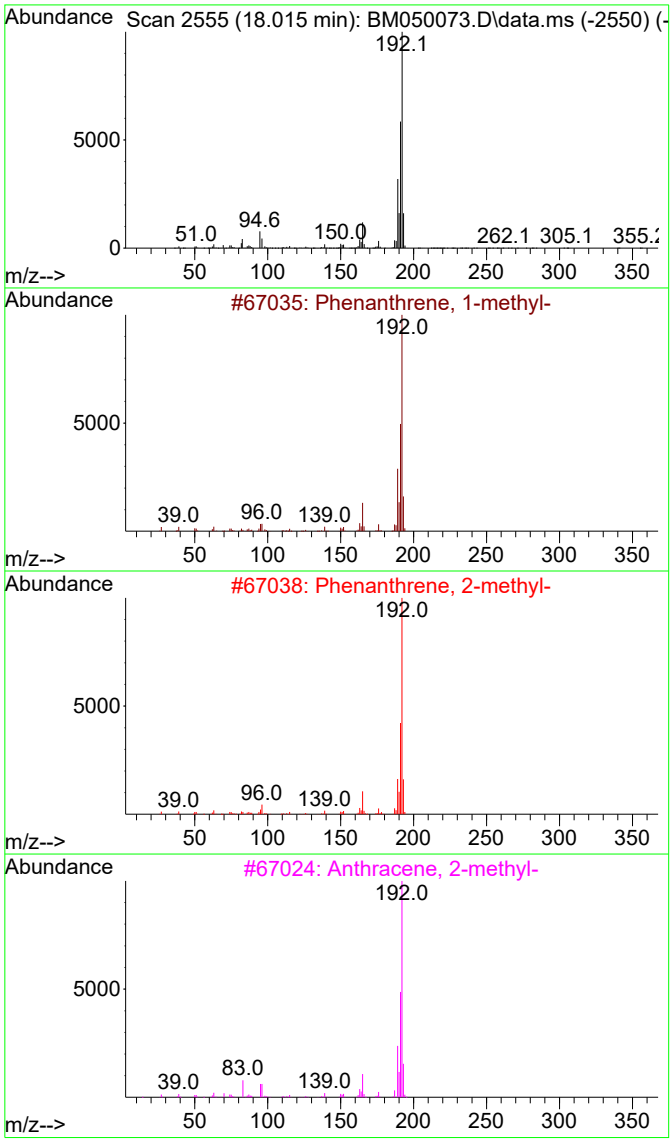
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

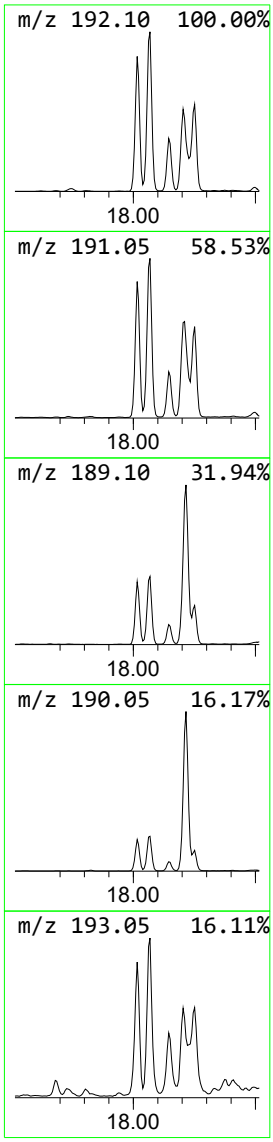
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.015	20.14 ng	3190200	Phenanthrene-d10	17.139

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





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Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

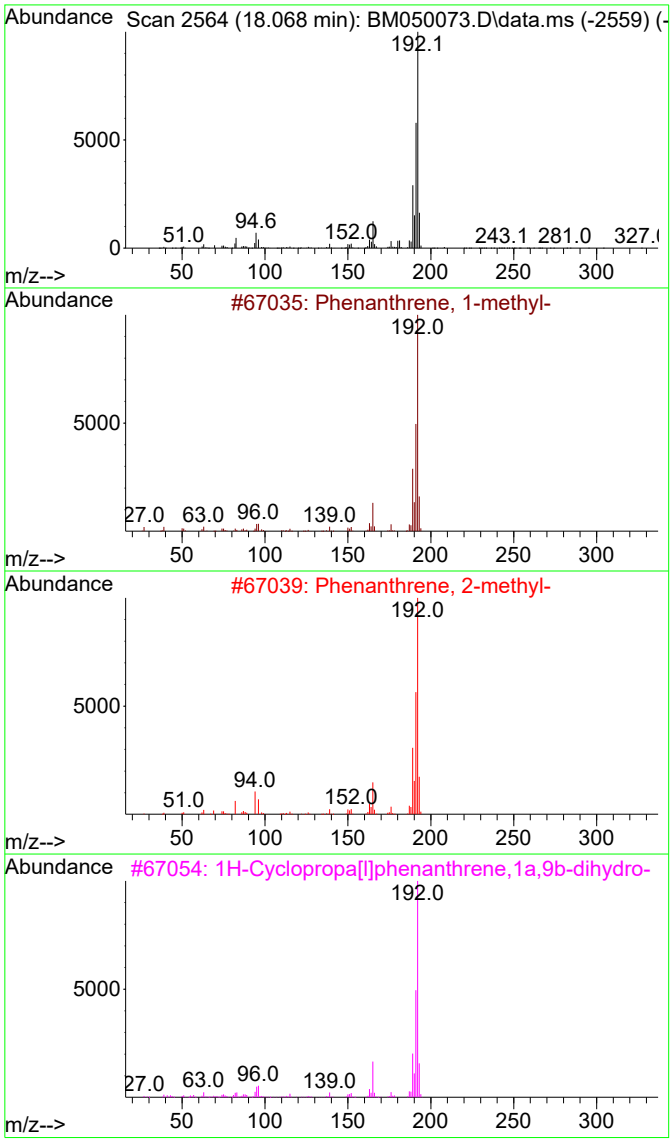
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

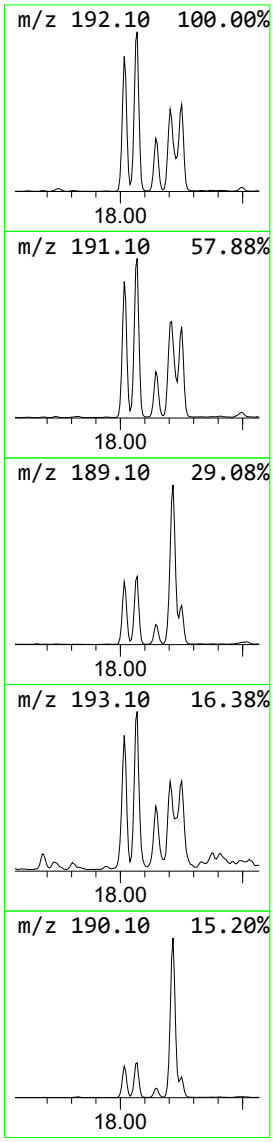
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.068	25.86 ng	4096080	Phenanthrene-d10	17.139

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	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

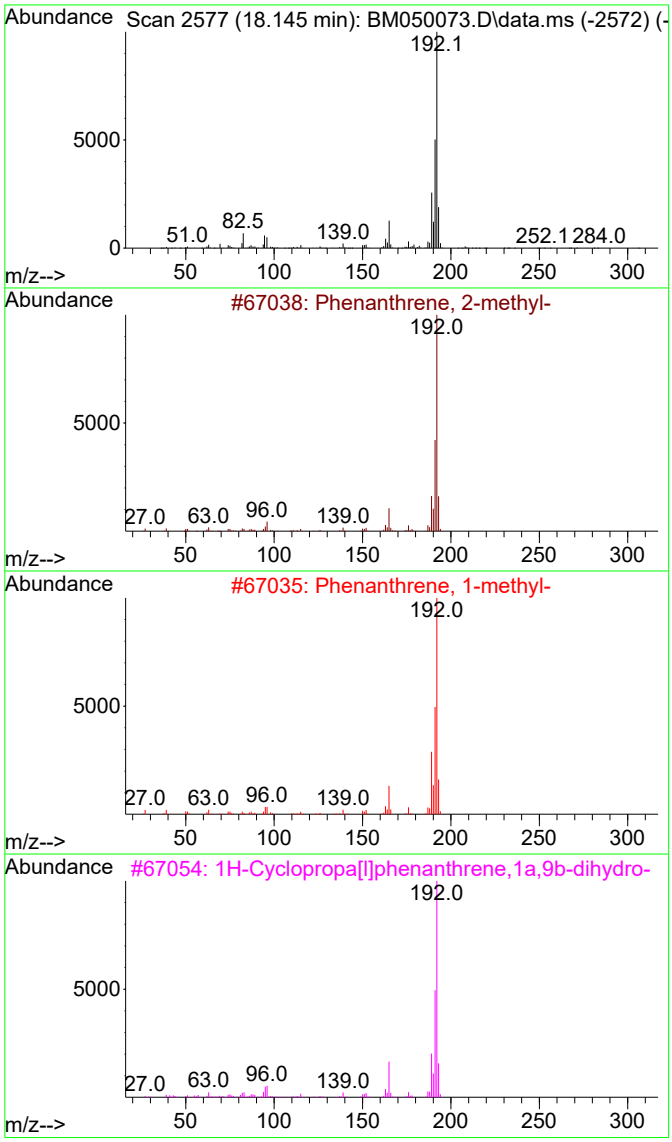
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

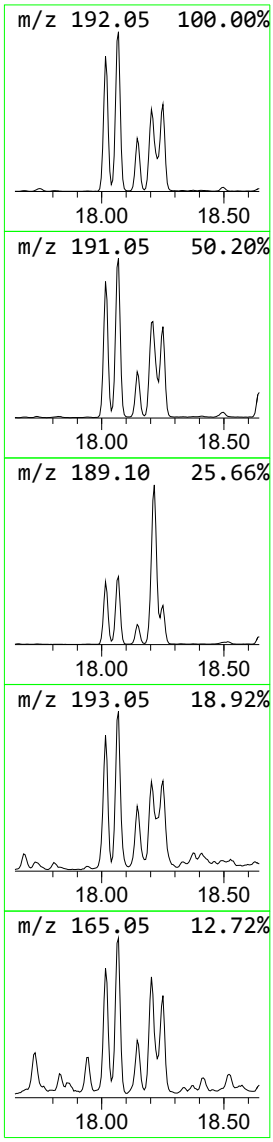
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.145	7.33 ng	1160720	Phenanthrene-d10	17.139

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

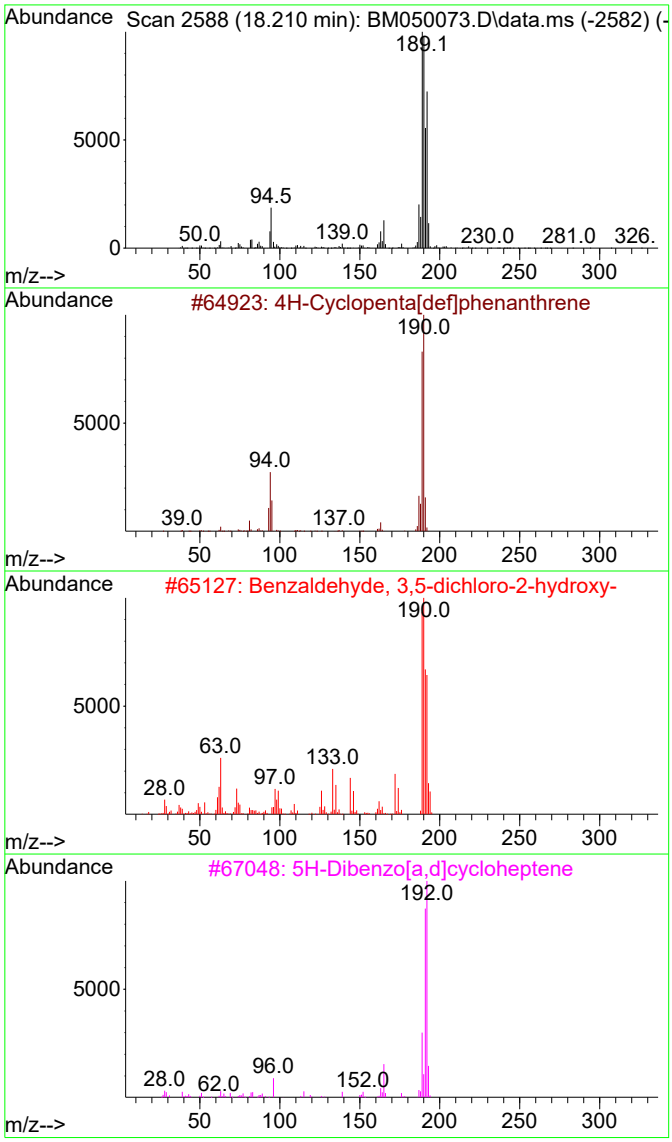
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

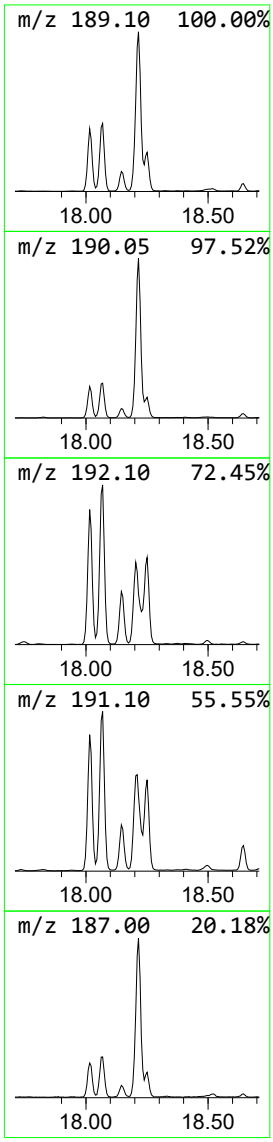
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.210	32.04 ng	5074460	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25





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Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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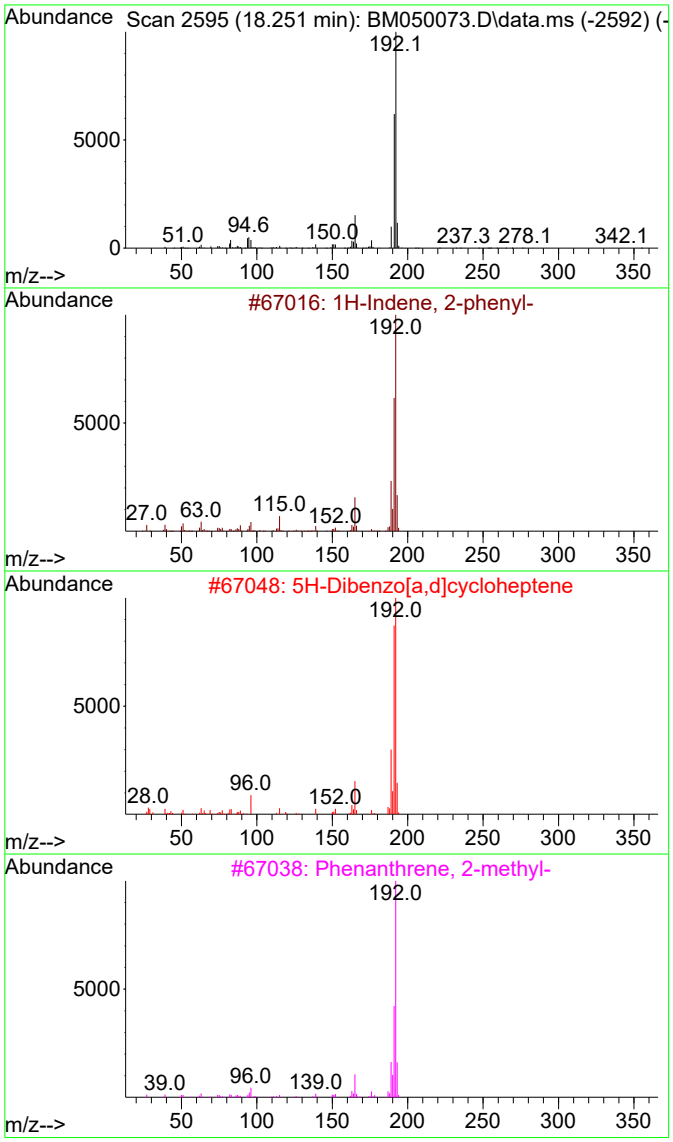
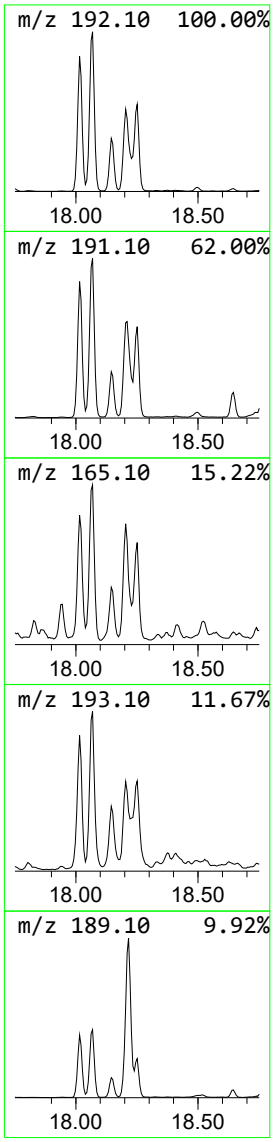
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.251	13.06 ng	2068940	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	83
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80





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Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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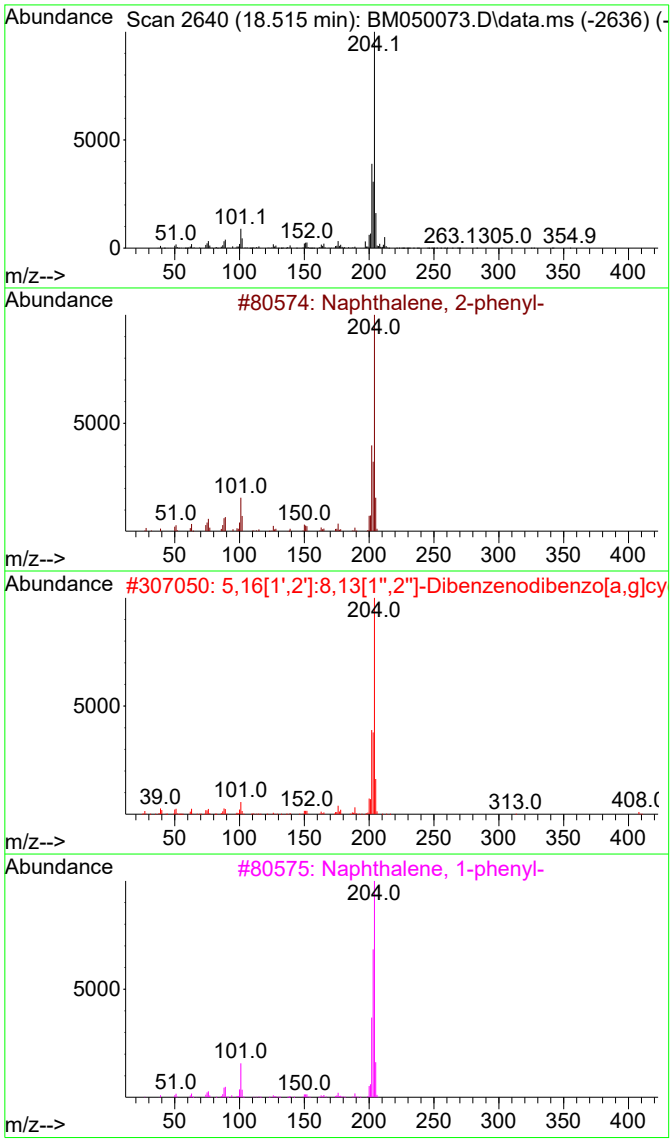
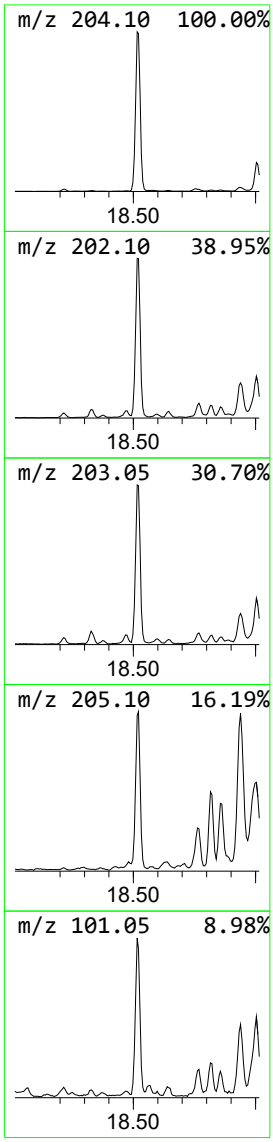
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.515	11.58 ng	1834340	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49





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Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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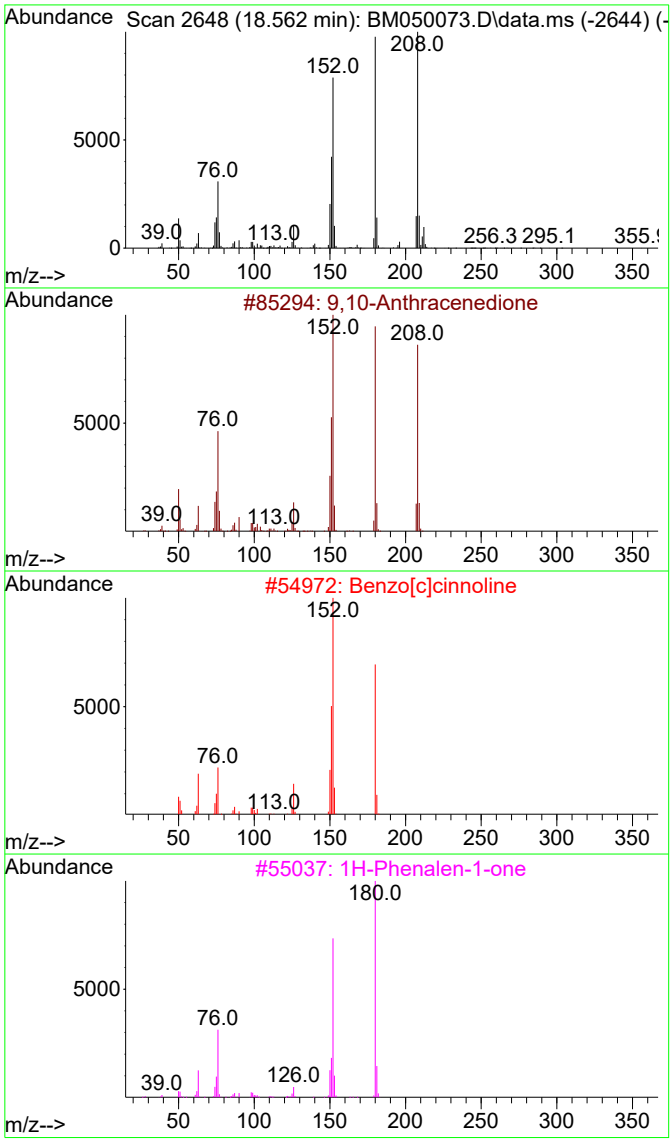
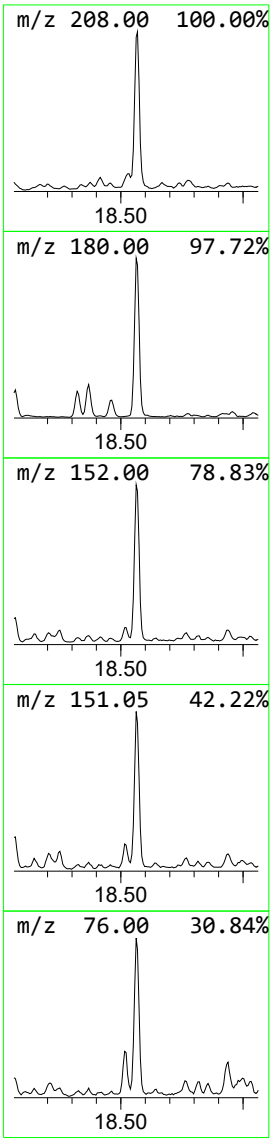
Peak Number 12 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.563	10.54 ng	1670150	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	53
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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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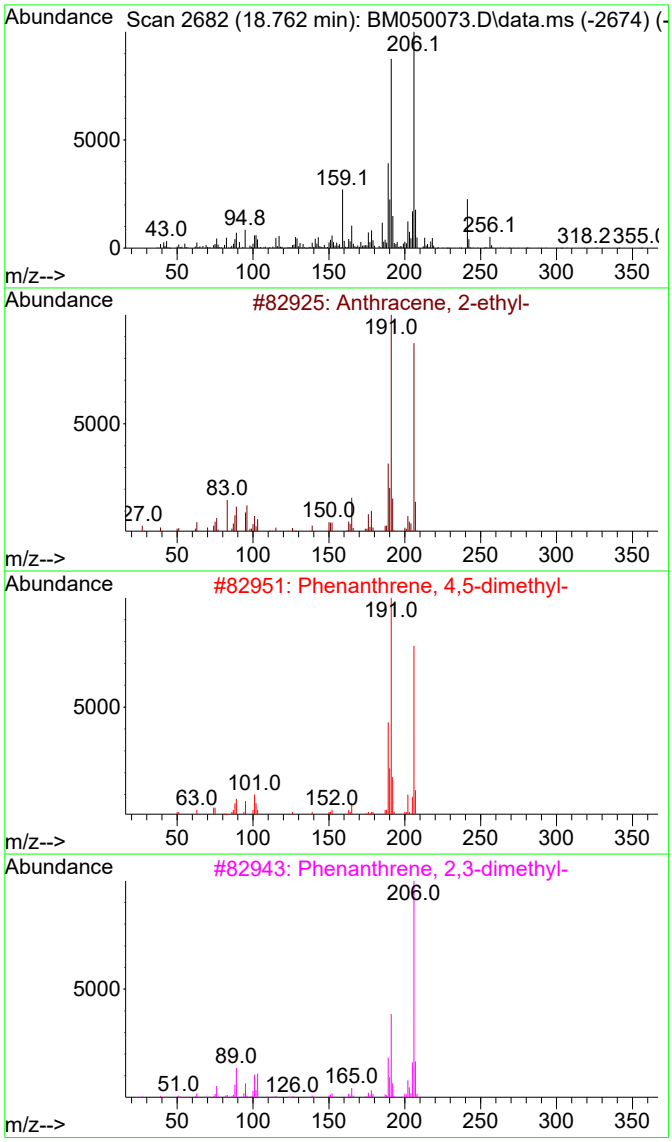
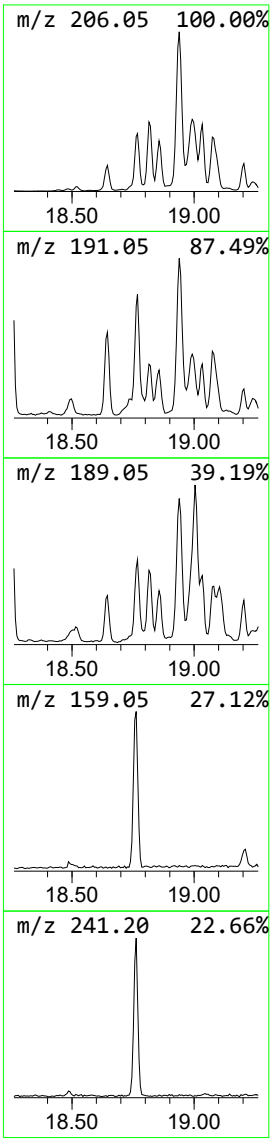
Peak Number 13 Anthracene, 2-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.762	8.55 ng	1354310	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	94
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	70





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Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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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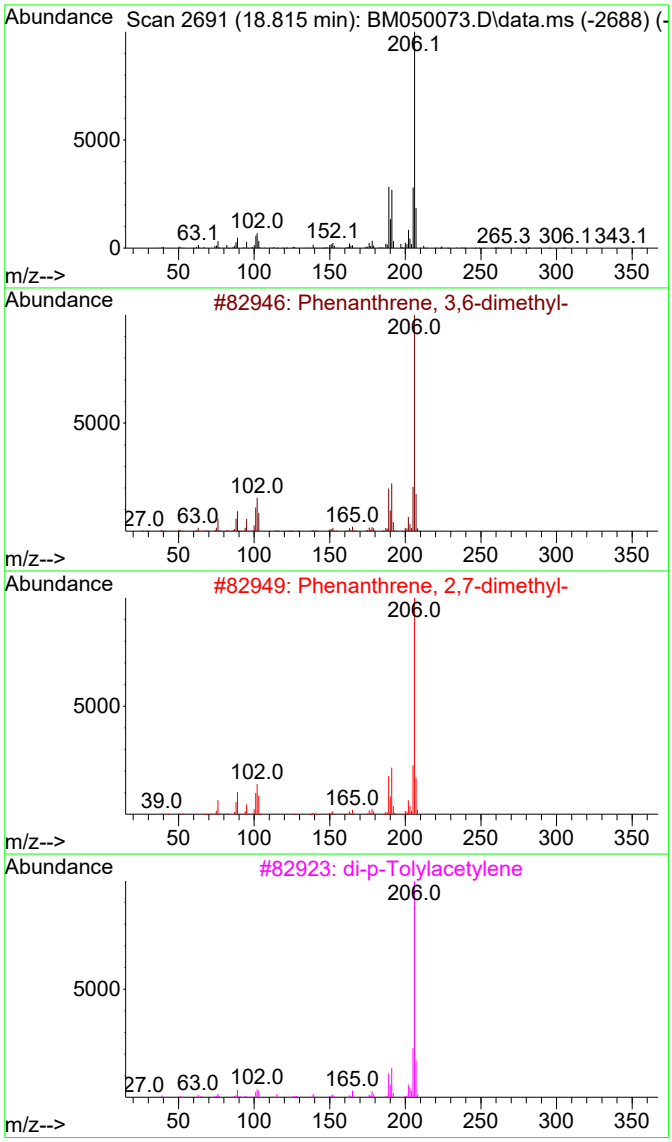
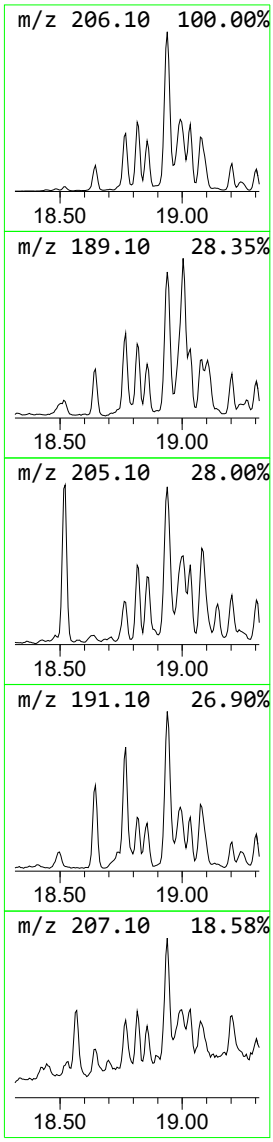
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.815	4.21 ng	667127	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	72





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Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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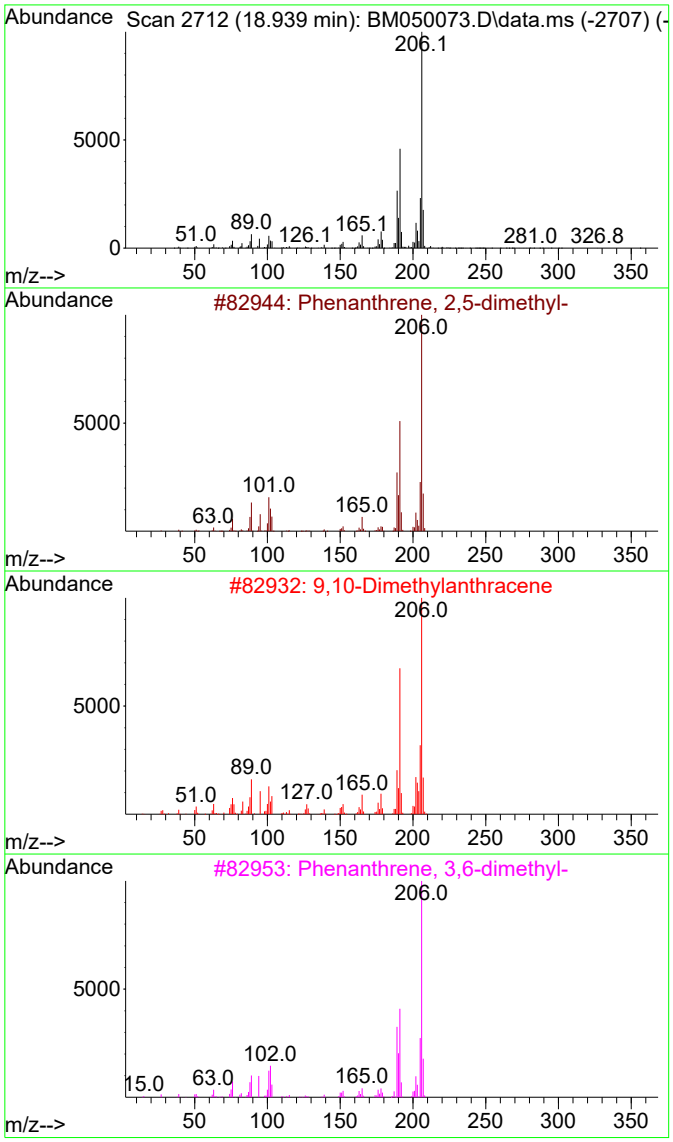
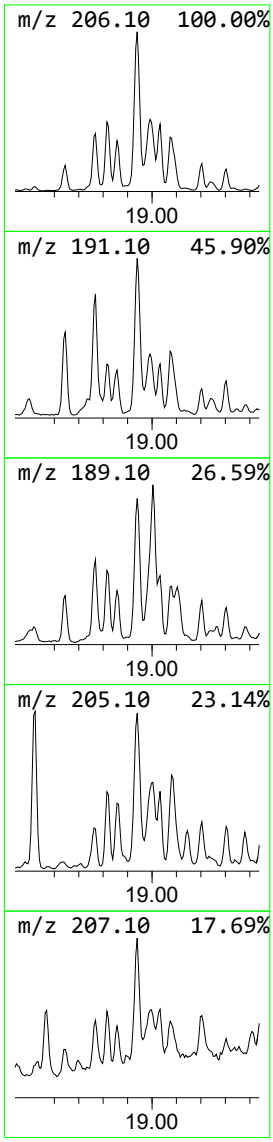
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.939	12.24 ng	1938110	Phenanthrene-d10	17.139

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	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





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Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

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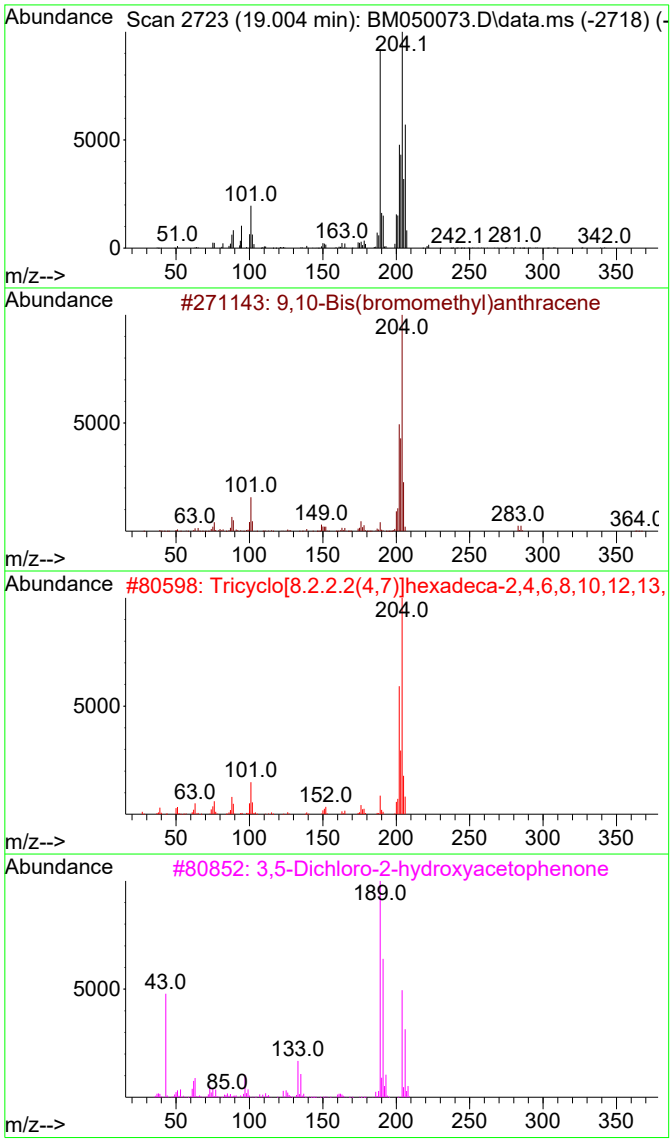
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

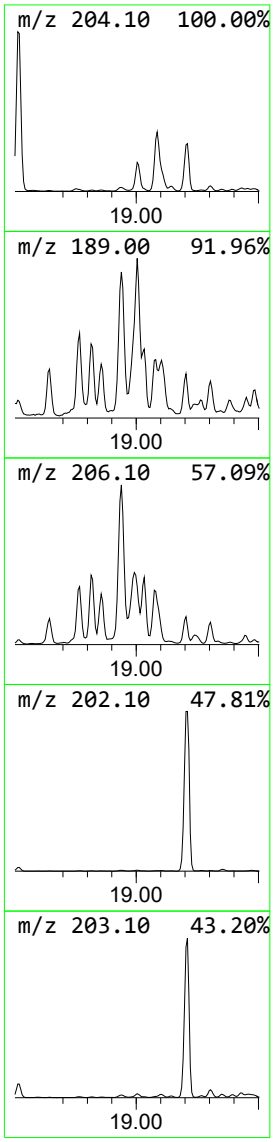
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 9,10-Bis(bromomethyl)anthra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.004	8.22 ng	1301400	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
3	3,5-Dichloro-2-hydroxyacetophenone	204	C8H6Cl2O2	003321-92-4	43
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	41
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38





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Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

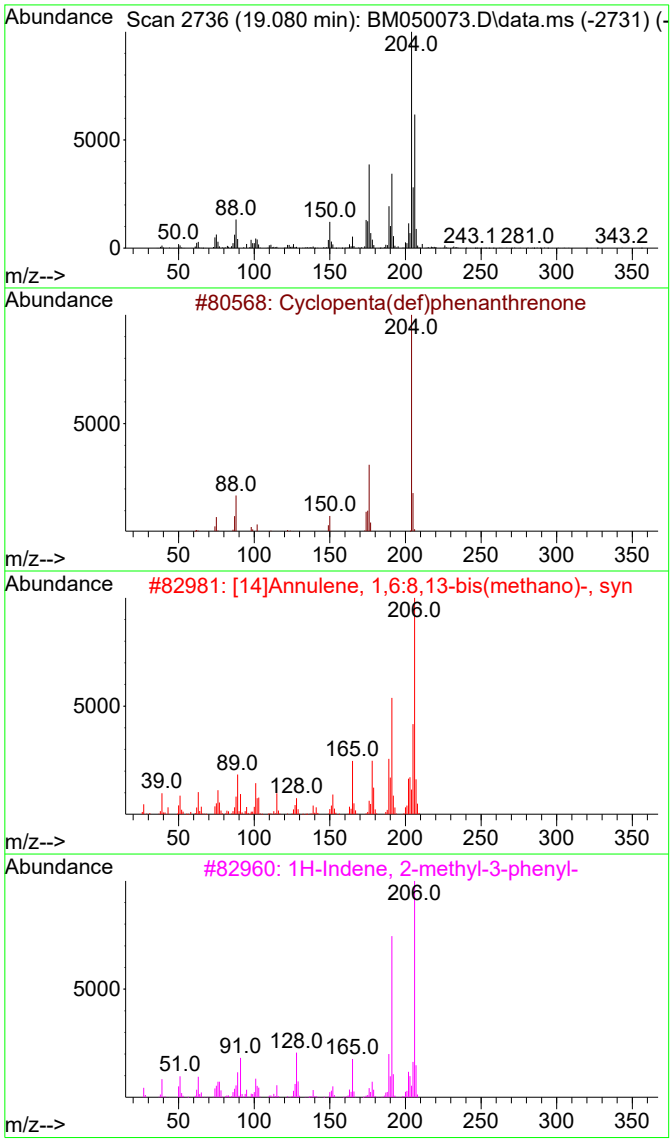
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

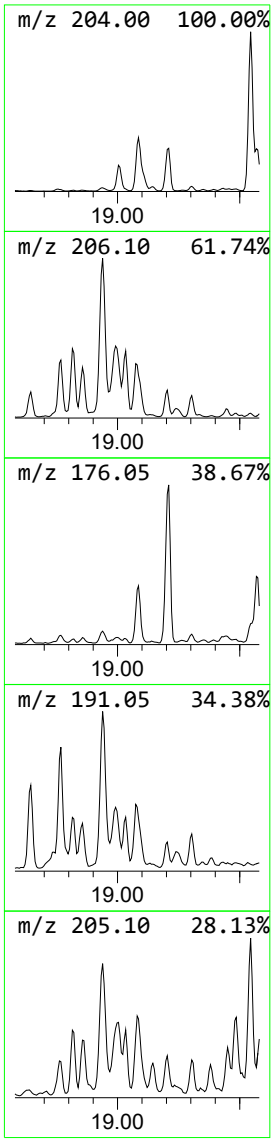
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.080	9.48 ng	1501320	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	46
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	42
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	42
5	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

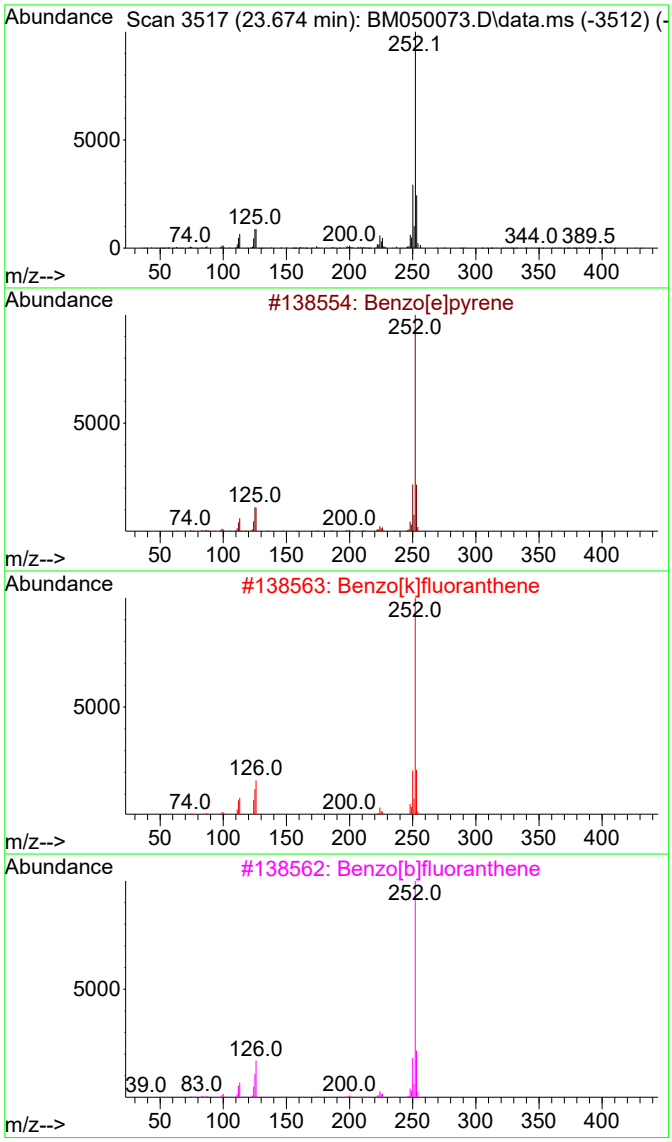
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

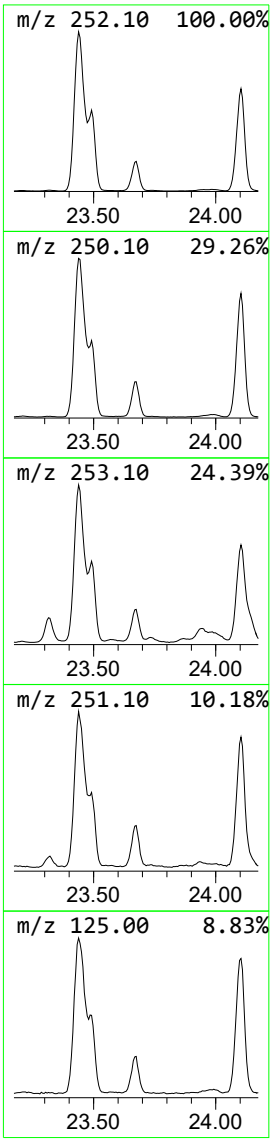
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.674	10.15 ng	1583640	Perylene-d12	24.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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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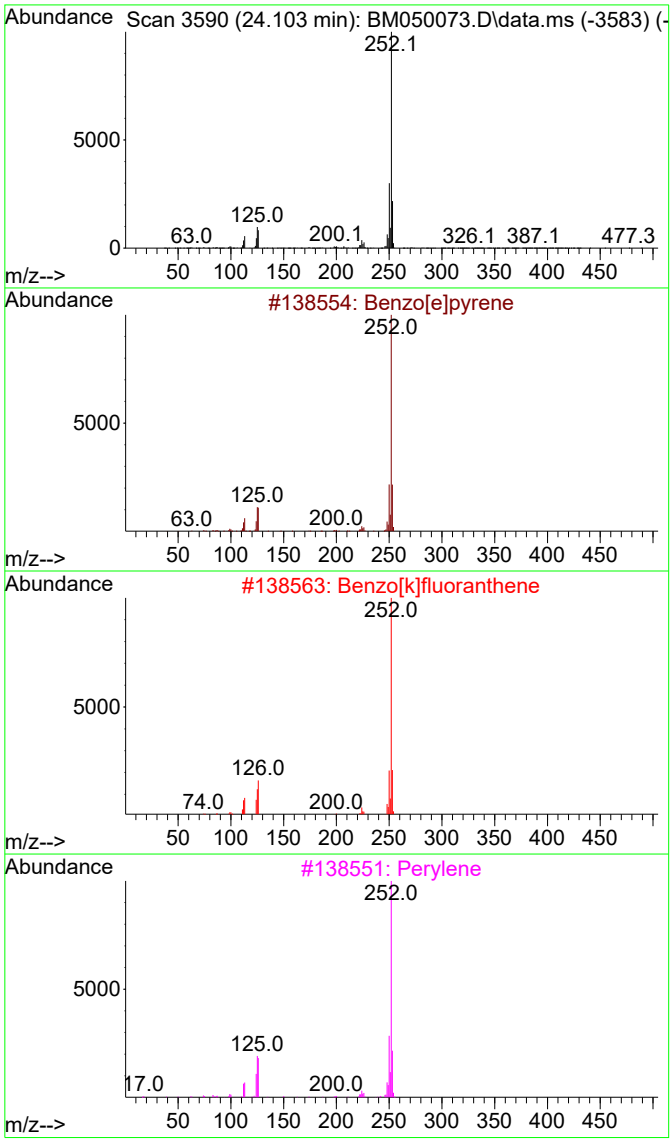
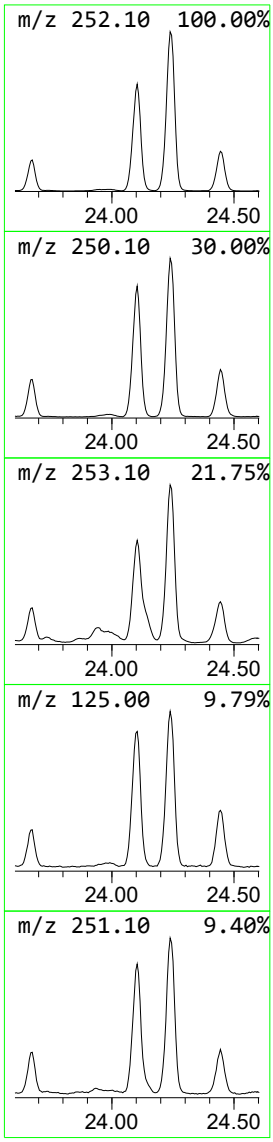
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.103	47.03 ng	7342120	Perylene-d12	24.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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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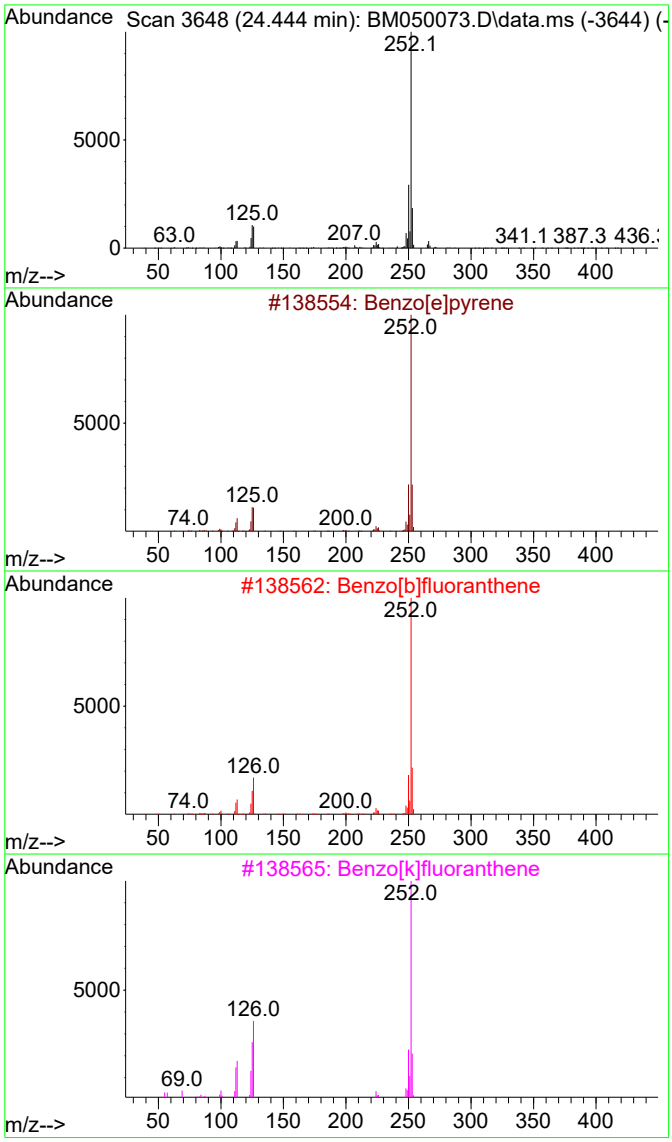
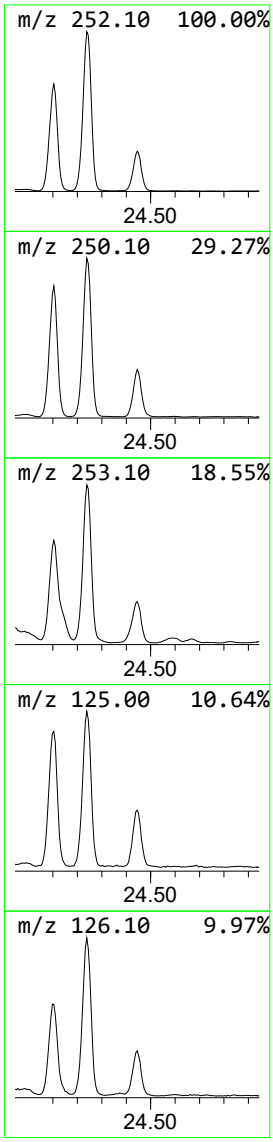
Peak Number 20 unknown24.445 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.445	18.60 ng	2902820	Perylene-d12	24.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	89
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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
Dibenzofuran, 4...	15.745	6.5	ng	922249	3	14.392	2828930	20.0
9H-Fluorene, 2-...	16.451	5.8	ng	921253	4	17.139	3167680	20.0
9H-Fluoren-9-one	16.798	4.4	ng	703107	4	17.139	3167680	20.0
Anthracene, 1,2...	16.892	4.8	ng	763916	4	17.139	3167680	20.0
Dibenzothiophene	16.963	8.1	ng	1274740	4	17.139	3167680	20.0
Phenanthrene, 1...	18.015	20.1	ng	3190200	4	17.139	3167680	20.0
Phenanthrene, 2...	18.068	25.9	ng	4096080	4	17.139	3167680	20.0
1H-Cyclopropa[l...	18.145	7.3	ng	1160720	4	17.139	3167680	20.0
4H-Cyclopenta[d...	18.210	32.0	ng	5074460	4	17.139	3167680	20.0
1H-Indene, 2-ph...	18.251	13.1	ng	2068940	4	17.139	3167680	20.0
Naphthalene, 2-...	18.515	11.6	ng	1834340	4	17.139	3167680	20.0
9,10-Anthracene...	18.563	10.5	ng	1670150	4	17.139	3167680	20.0
Anthracene, 2-e...	18.762	8.6	ng	1354310	4	17.139	3167680	20.0
Phenanthrene, 3...	18.815	4.2	ng	667127	4	17.139	3167680	20.0
Phenanthrene, 2...	18.939	12.2	ng	1938110	4	17.139	3167680	20.0
9,10-Bis(bromom...	19.004	8.2	ng	1301400	4	17.139	3167680	20.0
Cyclopenta(def)...	19.080	9.5	ng	1501320	4	17.139	3167680	20.0
Benzo[e]pyrene	23.674	10.2	ng	1583640	6	24.380	3121980	20.0
Perylene	24.103	47.0	ng	7342120	6	24.380	3121980	20.0
unknown24.445	24.445	18.6	ng	2902820	6	24.380	3121980	20.0