LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050121.D
Acq On : 06 May 2025 15:59
Operator : RC/JU
Sample : Q1952-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CLEAN-FILL

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: BM050121.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.869	314	320	331	rBV	285131	421528	1.60%	0.147%
2	5.340	393	400	420	rBV	2587075	4141014	15.73%	1.444%
3	6.934	664	671	689	rBV	2325058	4346223	16.51%	1.515%
4	7.746	800	809	819	rBV	1016524	1690983	6.43%	0.590%
5	8.904	999	1006	1021	rBV	1410927	2599635	9.88%	0.906%
6	10.540	1277	1284	1289	rBV	1142831	2139815	8.13%	0.746%
7	10.587	1289	1292	1302	rVB	352544	610066	2.32%	0.213%
8	13.010	1696	1704	1721	rBV	3329905	5072264	19.27%	1.768%
9	14.392	1931	1939	1945	rBV	2035168	2995160	11.38%	1.044%
10	14.457	1945	1950	1960	rVB	682151	1045332	3.97%	0.364%
11	14.798	2001	2008	2018	rBV	269320	468291	1.78%	0.163%
12	15.445	2112	2118	2130	rBV	550500	844539	3.21%	0.294%
13	15.751	2164	2170	2178	rVB2	630837	960571	3.65%	0.335%
14	15.886	2184	2193	2204	rBV	3255375	5103519	19.39%	1.779%
15	16.451	2277	2289	2294	rBV3	129863	335066	1.27%	0.117%
16	16.804	2344	2349	2356	rVB	256529	405635	1.54%	0.141%
17	16.963	2370	2376	2386	rVB	373566	573223	2.18%	0.200%
18	17.139	2399	2406	2409	rBV	2397326	3372796	12.82%	1.176%
19	17.180	2409	2413	2420	rVV	7809281	10894567	41.40%	3.798%
20	17.274	2421	2429	2435	rVV	1846685	2726454	10.36%	0.951%
21	17.339	2435	2440	2446	rVB	192362	323335	1.23%	0.113%
22	17.551	2468	2476	2490	rBV2	1058539	1868353	7.10%	0.651%
23	18.016	2550	2555	2557	rBV	883018	1219628	4.63%	0.425%
24	18.039	2557	2559	2561	rVV	967775	1220641	4.64%	0.426%
25	18.063	2561	2563	2572	rVV	1443943	2002312	7.61%	0.698%
26	18.145	2573	2577	2582	rVV	524622	752418	2.86%	0.262%
27	18.210	2582	2588	2592	rVV2	1485245	2567932	9.76%	0.895%
28	18.251	2592	2595	2602	rVB	593352	815959	3.10%	0.284%
29	18.321	2603	2607	2612	rBV2	166849	263358	1.00%	0.092%
30	18.516	2636	2640	2645	rBV	711319	949173	3.61%	0.331%
31	18.569	2645	2649	2657	rVB	607543	835870	3.18%	0.291%
32	18.763	2679	2682	2687	rVB3	247753	326951	1.24%	0.114%
33	18.816	2687	2691	2694	rVV2	236938	283209	1.08%	0.099%
34	18.857	2694	2698	2702	rVB	251818	301598	1.15%	0.105%
35	18.939	2707	2712	2716	rBV	487306	799105	3.04%	0.279%
36	19.004	2718	2723	2726	rBV4	199311	324376	1.23%	0.113%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050121.D
Acq On : 06 May 2025 15:59
Operator : RC/JU
Sample : Q1952-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CLEAN-FILL

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	19.086	2731	2737	2744	rVB2	588539	1024775	3.89%	0.357%
38	19.210	2751	2758	2764	rBV	19495291	26317925	100.00%	9.175%
39	19.304	2770	2774	2780	rBV2	349588	609855	2.32%	0.213%
40	19.445	2794	2798	2802	rBV2	438766	589249	2.24%	0.205%
41	19.539	2809	2814	2816	rBV2	3355015	5060637	19.23%	1.764%
42	19.568	2816	2819	2827	rVV	15273733	19973947	75.89%	6.964%
43	19.639	2827	2831	2837	rVB2	716651	996754	3.79%	0.347%
44	19.768	2845	2853	2857	rBV2	5124383	6950466	26.41%	2.423%
45	19.815	2857	2861	2868	rVB	709114	1058404	4.02%	0.369%
46	19.892	2868	2874	2881	rBV3	967386	2465493	9.37%	0.860%
47	19.951	2881	2884	2887	rBV	379021	428896	1.63%	0.150%
48	20.027	2892	2897	2899	rVV4	867683	1441864	5.48%	0.503%
49	20.063	2899	2903	2908	rVB	3400020	4472900	17.00%	1.559%
50	20.163	2916	2920	2924	rBV	2271125	2745840	10.43%	0.957%
51	20.221	2924	2930	2934	rVV2	1433943	2615927	9.94%	0.912%
52	20.257	2934	2936	2940	rVV2	675318	803498	3.05%	0.280%
53	20.304	2940	2944	2948	rVB	378280	526963	2.00%	0.184%
54	20.363	2950	2954	2958	rBV	680157	887253	3.37%	0.309%
55	20.410	2958	2962	2966	rBV3	669699	903057	3.43%	0.315%
56	20.527	2980	2982	2986	rVB	266600	322943	1.23%	0.113%
57	20.657	2994	3004	3006	rBV5	561702	1414513	5.37%	0.493%
58	20.686	3006	3009	3014	rVB3	654516	1082819	4.11%	0.378%
59	20.774	3021	3024	3028	rBV2	359589	563619	2.14%	0.196%
60	20.821	3028	3032	3037	rVB	1499964	2042472	7.76%	0.712%
61	20.986	3055	3060	3064	rBV3	2194283	3354133	12.74%	1.169%
62	21.027	3064	3067	3071	rVV	1533840	2100955	7.98%	0.732%
63	21.086	3071	3077	3081	rVV2	1348139	3033571	11.53%	1.058%
64	21.139	3082	3086	3097	rVB	1500763	2385110	9.06%	0.832%
65	21.251	3102	3105	3113	rVV2	545975	993580	3.78%	0.346%
66	21.374	3115	3126	3132	rVV3	12312805	25203860	95.77%	8.787%
67	21.433	3132	3136	3147	rVB	9228970	13834314	52.57%	4.823%
68	21.574	3155	3160	3164	rBV	1289115	1869726	7.10%	0.652%
69	21.709	3180	3183	3188	rVB	919320	1370863	5.21%	0.478%
70	21.774	3188	3194	3200	rVV2	1350329	2533379	9.63%	0.883%
71	21.833	3201	3204	3209	rVB3	304200	442355	1.68%	0.154%
72	21.998	3227	3232	3236	rBV2	586144	1055860	4.01%	0.368%
73	22.074	3241	3245	3249	rVV	1475305	2395559	9.10%	0.835%
74	22.139	3252	3256	3263	rVB	725894	1269649	4.82%	0.443%
75	22.268	3274	3278	3283	rVB2	520853	859549	3.27%	0.300%
76	22.327	3284	3288	3291	rVV2	769673	1226311	4.66%	0.428%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
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Acq On : 06 May 2025 15:59
Operator : RC/JU
Sample : Q1952-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CLEAN-FILL

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	22.368	3292	3295	3303	rVB4	767833	1365312	5.19%	0.476%
78	22.456	3305	3310	3316	rVB2	481875	1055017	4.01%	0.368%
79	22.709	3349	3353	3359	rBV3	414362	759795	2.89%	0.265%
80	23.451	3470	3479	3485	rBV	6371441	18710275	71.09%	6.523%
81	23.498	3485	3487	3495	rVB	3356464	5319478	20.21%	1.855%
82	23.674	3511	3517	3525	rBV	1050687	2263793	8.60%	0.789%
83	24.109	3583	3591	3604	rVB	3561663	9016352	34.26%	3.143%
84	24.250	3606	3615	3626	rVB	4933747	11831654	44.96%	4.125%
85	24.380	3631	3637	3643	rVV	1441538	3643630	13.84%	1.270%
86	24.450	3644	3649	3664	rVB2	1348013	3910054	14.86%	1.363%
87	27.780	4205	4215	4236	rVB2	2084121	9075405	34.48%	3.164%
88	28.827	4383	4393	4407	rVB	1296576	5056620	19.21%	1.763%

Sum of corrected areas: 286837127

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Data File : BM050121.D
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Sample : Q1952-01
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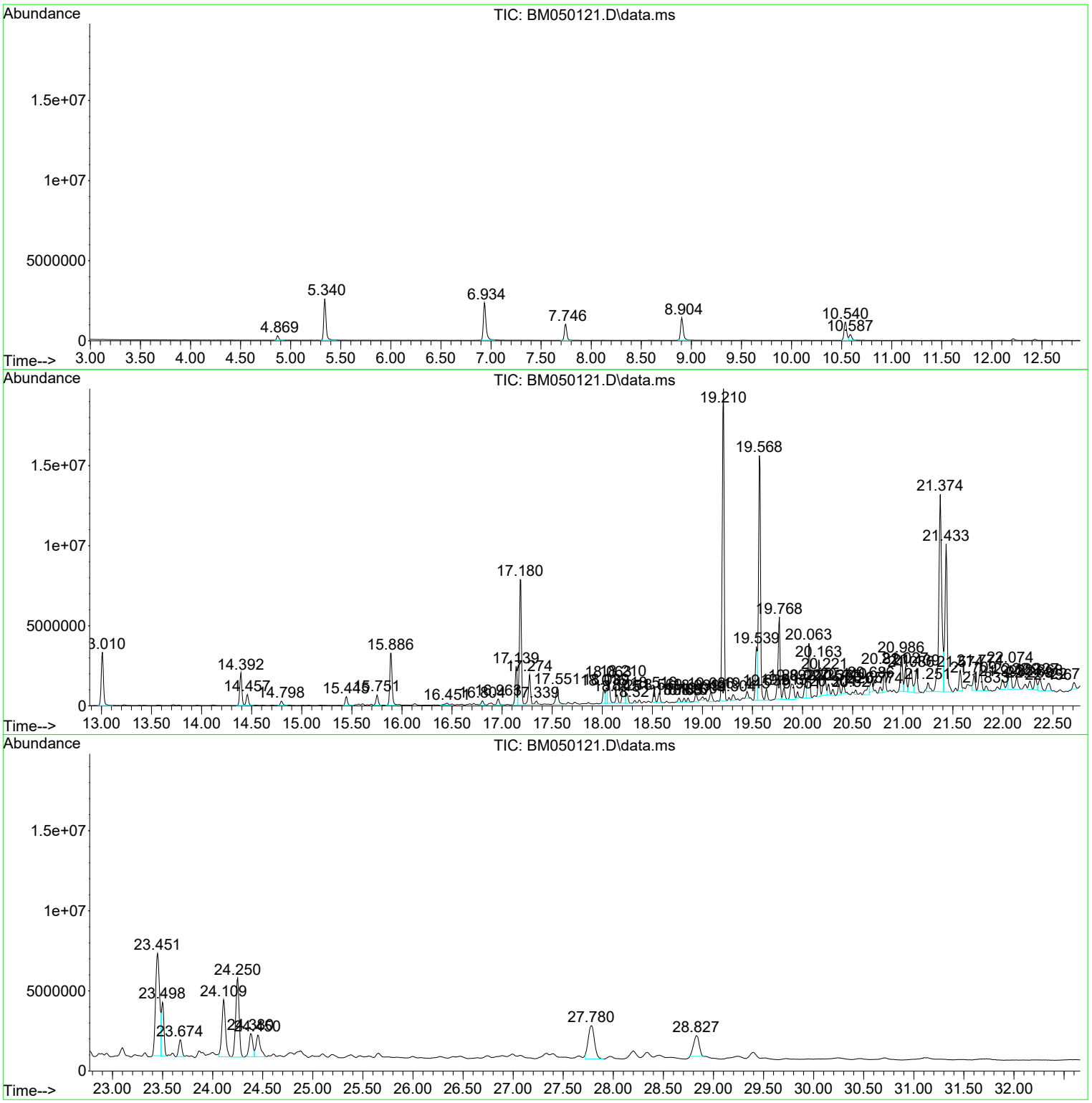
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CLEAN-FILL

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\BM050625\
Data File : BM050121.D
Acq On : 06 May 2025 15:59
Operator : RC/JU
Sample : Q1952-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

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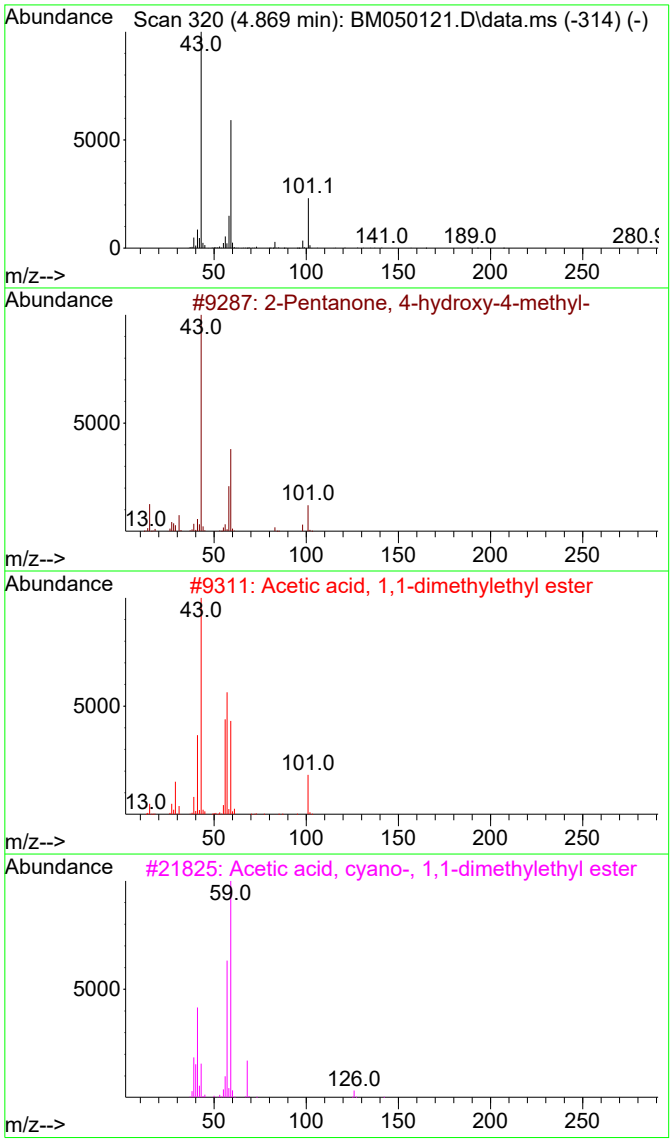
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

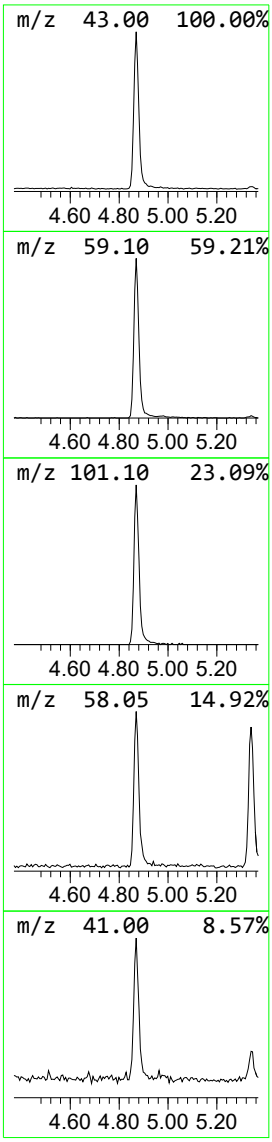
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.869	4.99 ng	421528	1,4-Dichlorobenzene-d4	7.746

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Thiocyanic acid, propyl ester	101	C4H7NS	004251-16-5	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050121.D
Acq On : 06 May 2025 15:59
Operator : RC/JU
Sample : Q1952-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CLEAN-FILL

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

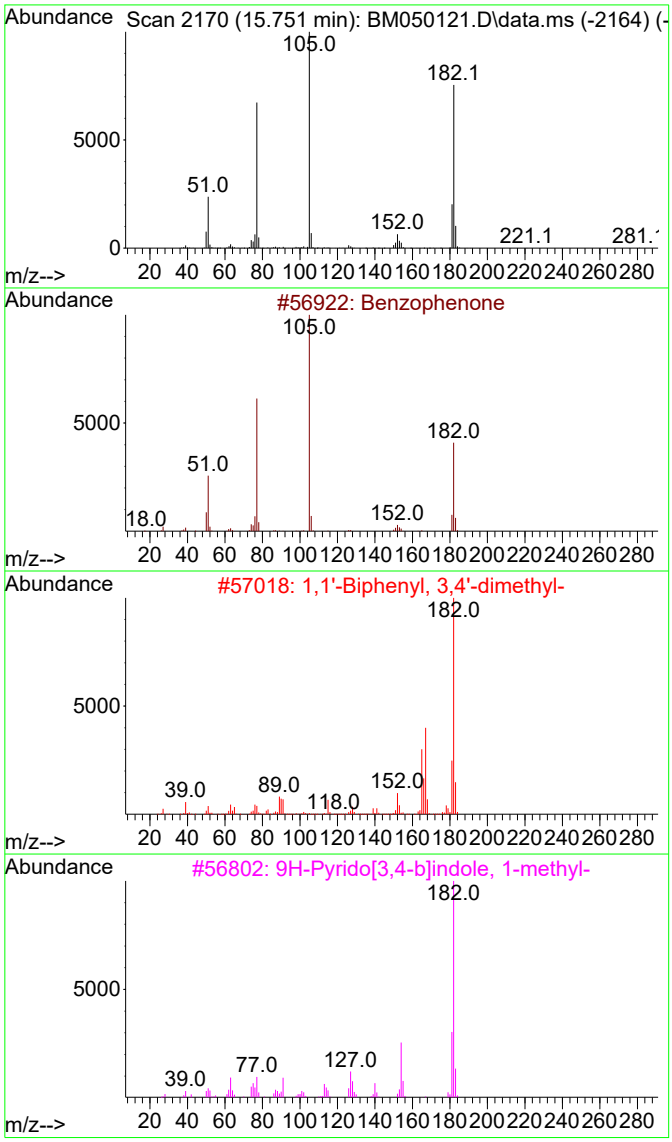
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

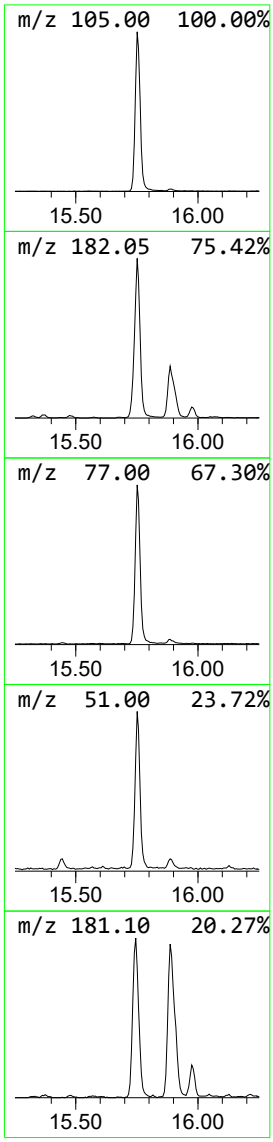
****

Peak Number 2 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.751	6.41 ng	960571	Acenaphthene-d10	14.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	49
3	9H-Pyrido[3,4-b]indole, 1-methyl-	182	C12H10N2	000486-84-0	47
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46
5	2,4,6-Trimethoxytoluene	182	C10H14O3	014107-97-2	43





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Acq On : 06 May 2025 15:59
Operator : RC/JU
Sample : Q1952-01
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Instrument :
BNA_M
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

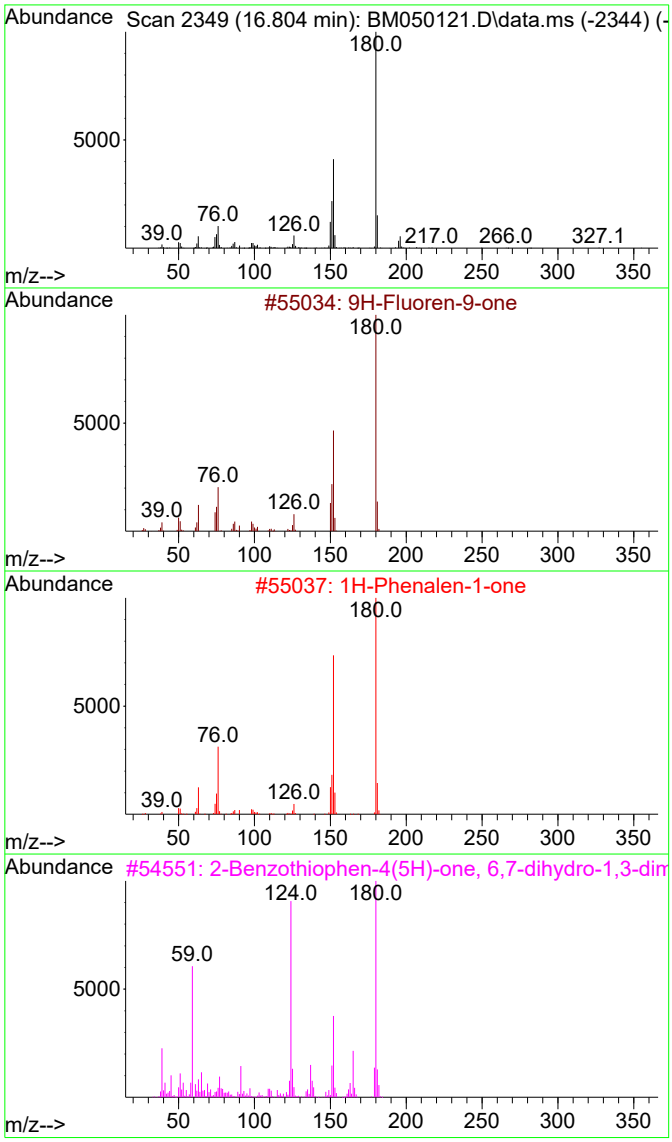
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

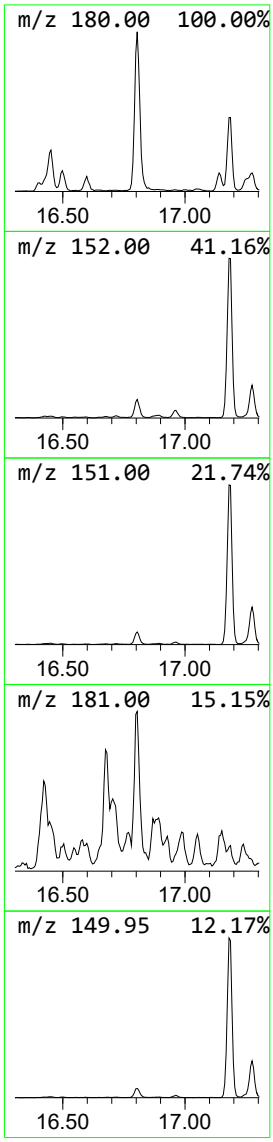
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.804	2.41 ng	405635	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
3	2-Benzothiophen-4(5H)-one, 6,7-d...	180	C10H12OS	1000338-11-9	50
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50
5	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
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Acq On : 06 May 2025 15:59
Operator : RC/JU
Sample : Q1952-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
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

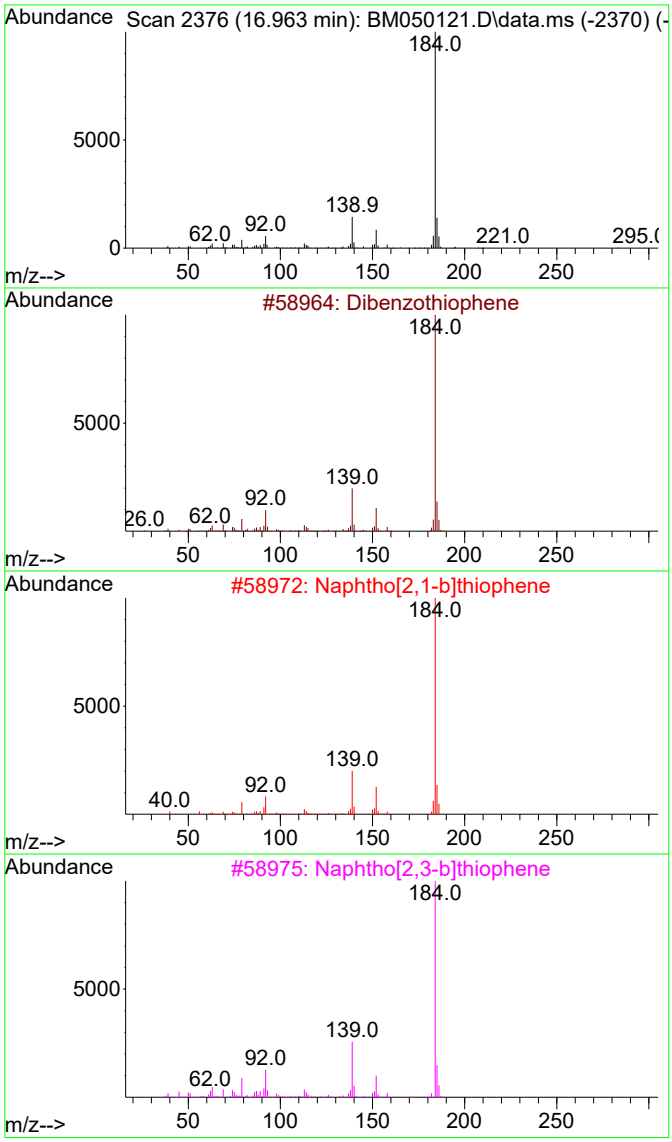
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

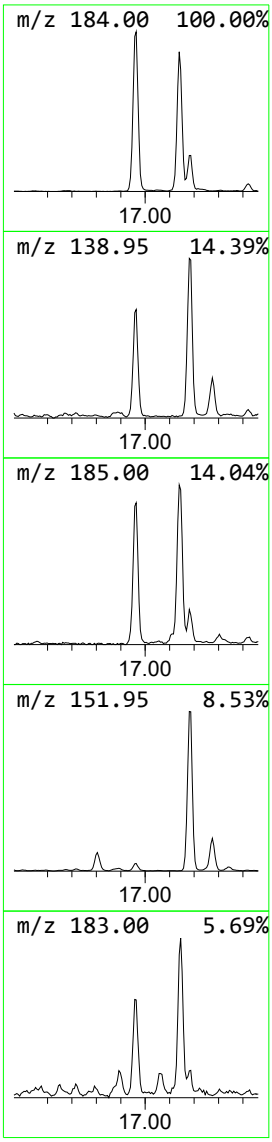
****

Peak Number 4 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.963	3.40 ng	573223	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	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050121.D
Acq On : 06 May 2025 15:59
Operator : RC/JU
Sample : Q1952-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CLEAN-FILL

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

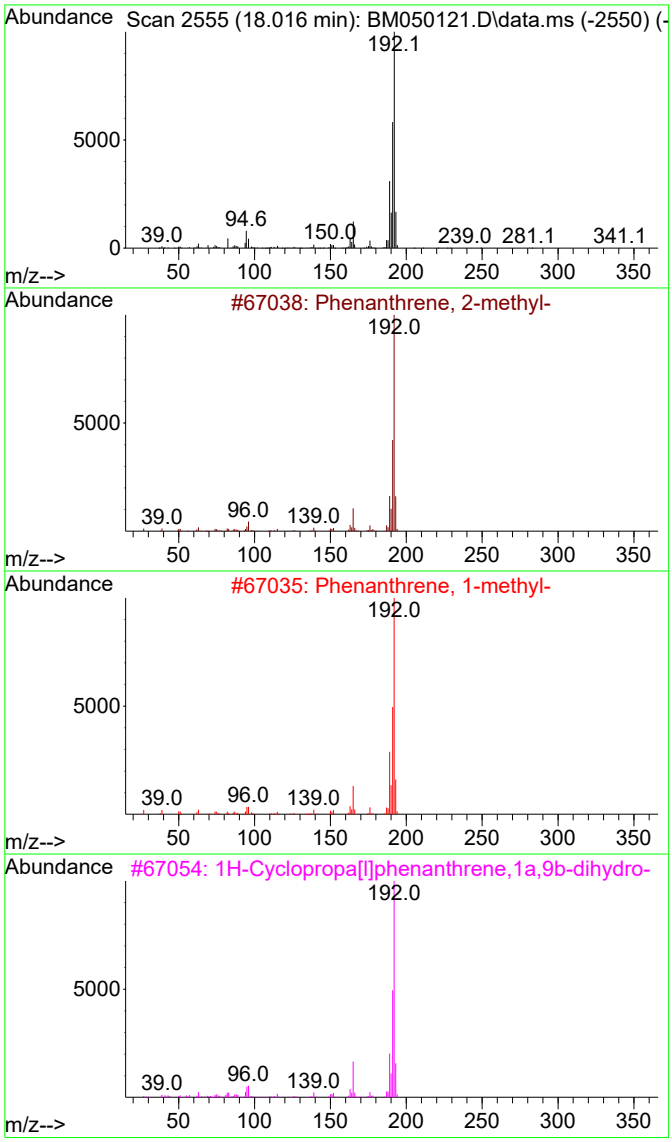
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

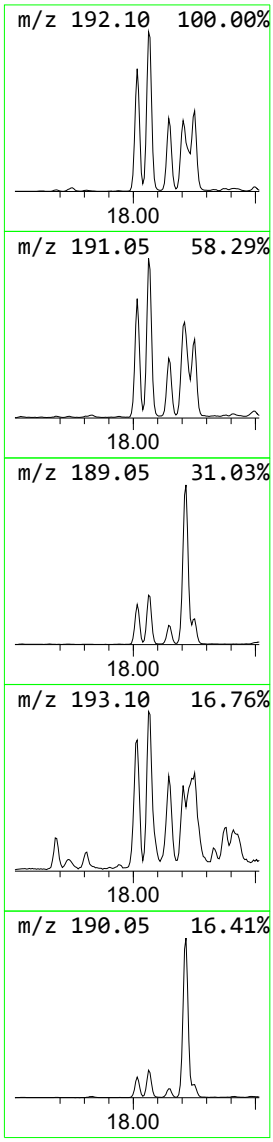
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.016	7.23 ng	1219630	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050121.D
Acq On : 06 May 2025 15:59
Operator : RC/JU
Sample : Q1952-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
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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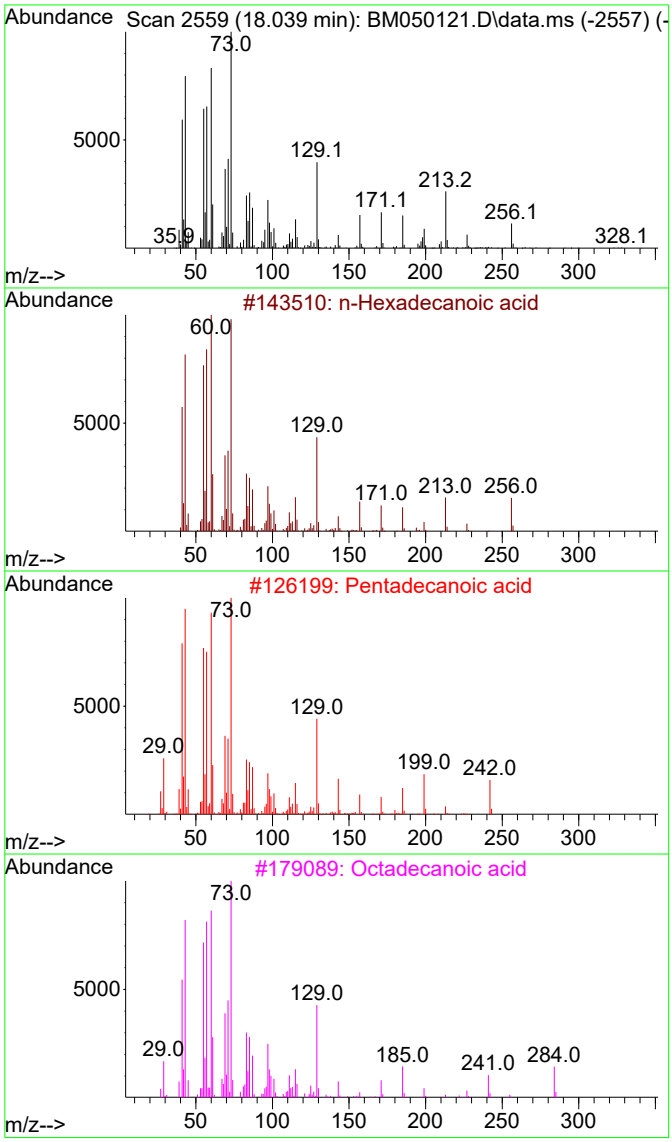
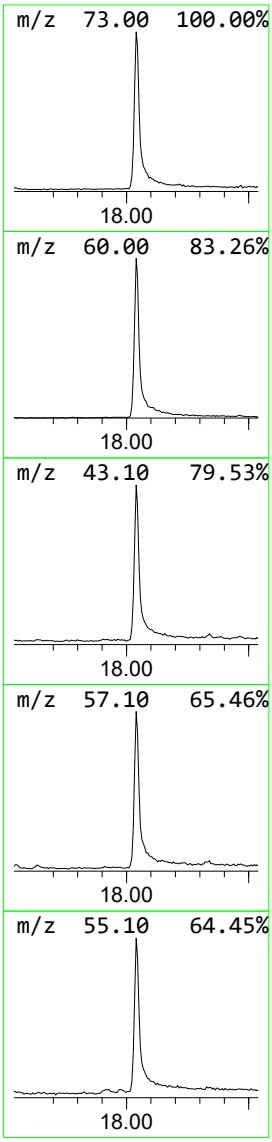
Peak Number 6 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.039	7.24 ng	1220640	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Octadecanoic acid	284	C18H36O2	000057-11-4	81
4	n-Decanoic acid	172	C10H20O2	000334-48-5	76
5	Tridecanoic acid	214	C13H26O2	000638-53-9	76





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Acq On : 06 May 2025 15:59
Operator : RC/JU
Sample : Q1952-01
Misc :
ALS Vial : 11 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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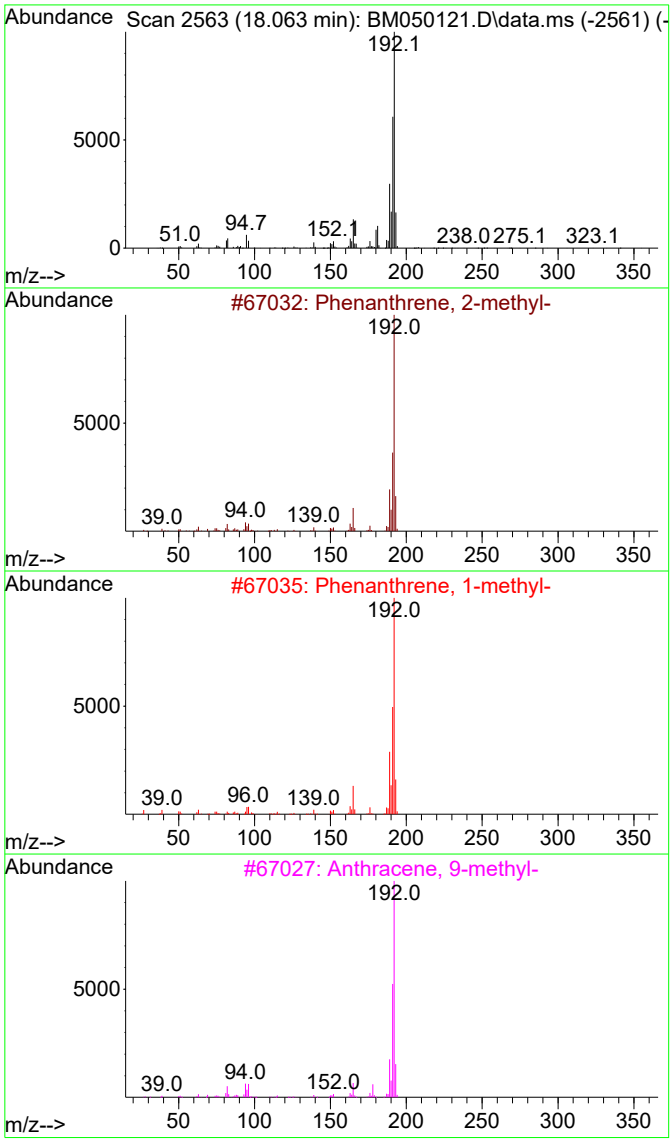
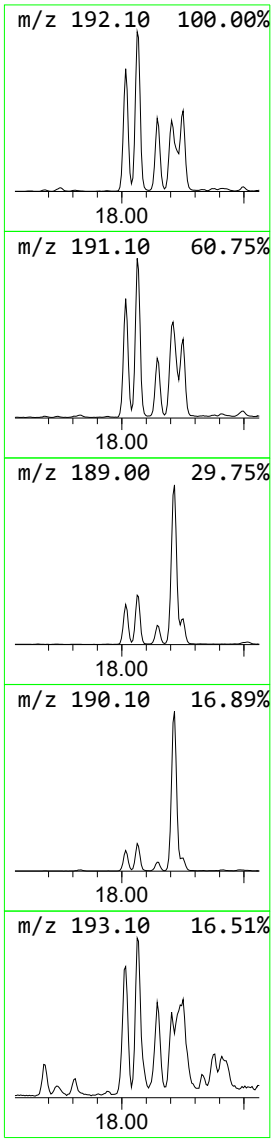
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.063	11.87 ng	2002310	Phenanthrene-d10	17.139

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





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Sample : Q1952-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CLEAN-FILL

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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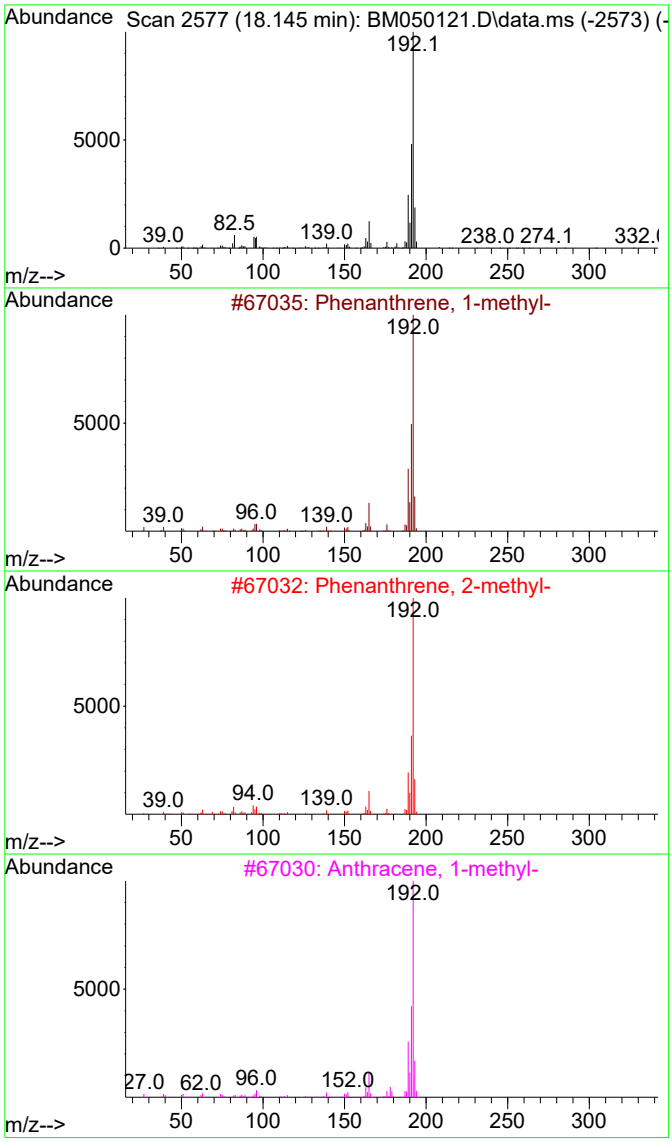
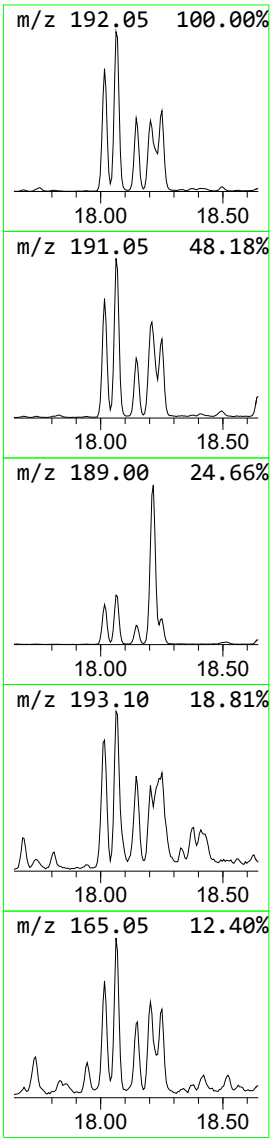
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.145	4.46 ng	752418	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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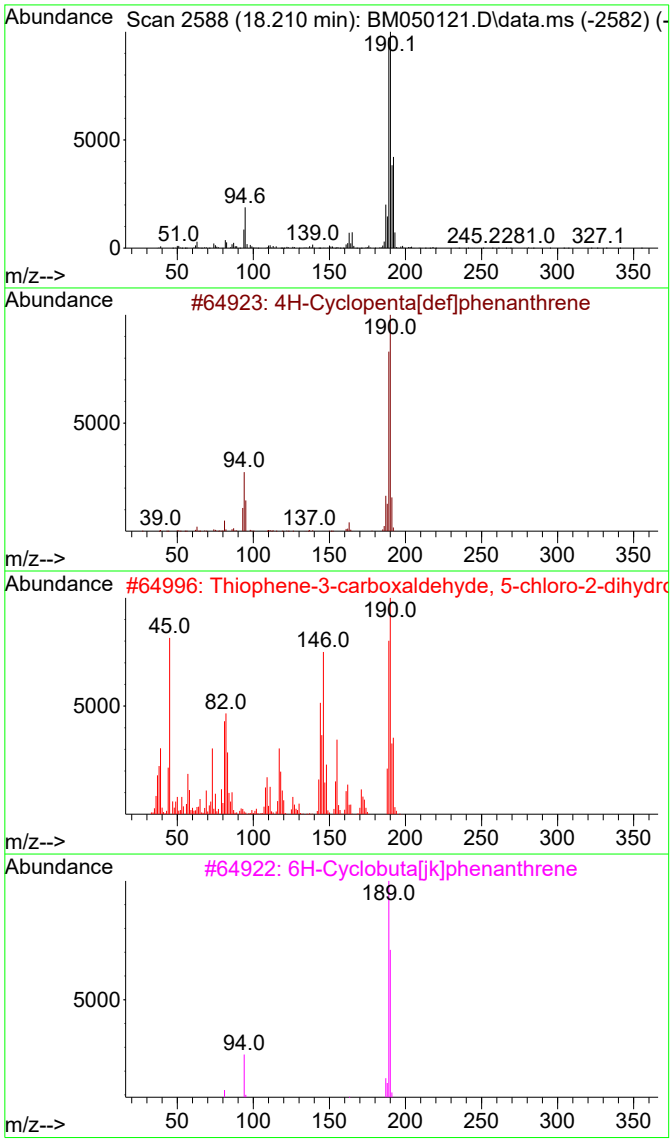
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

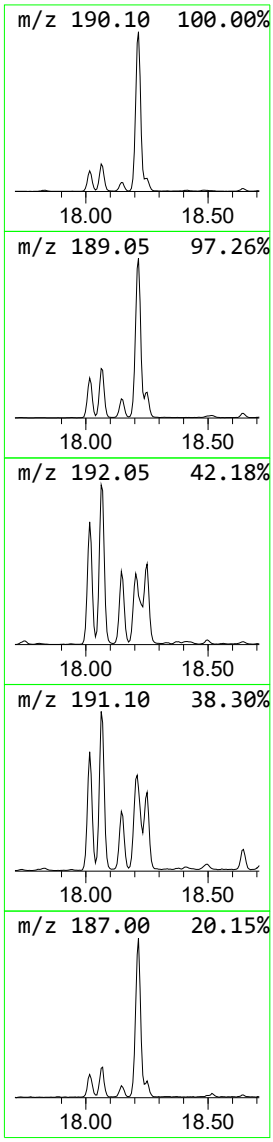
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.210	15.23 ng	2567930	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Sample : Q1952-01
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ALS Vial : 11 Sample Multiplier: 1

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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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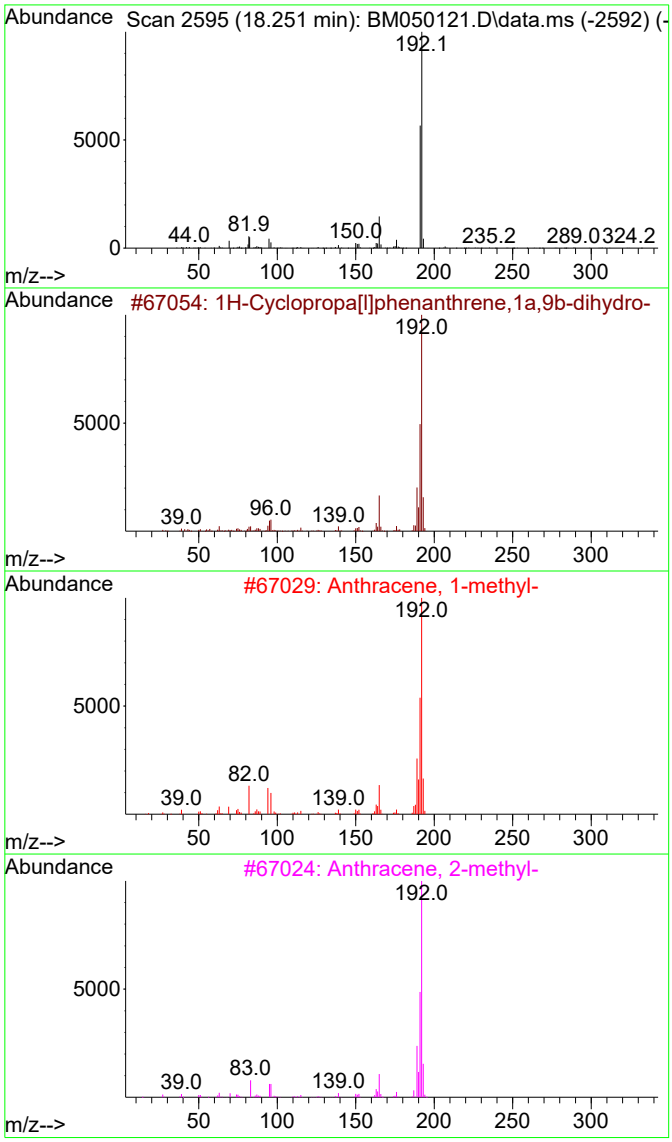
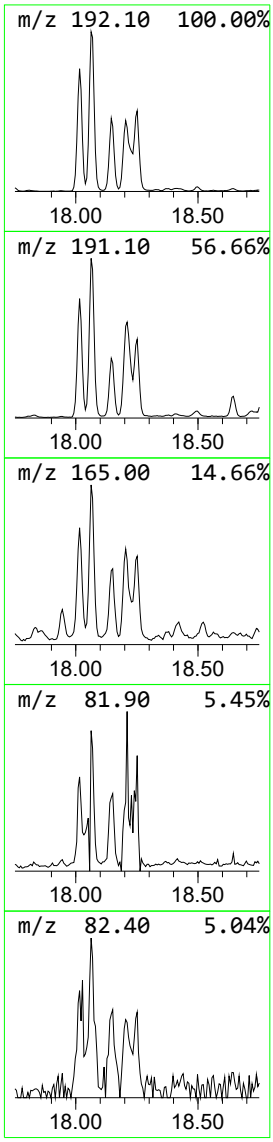
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.251	4.84 ng	815959	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	74
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	72





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Sample : Q1952-01
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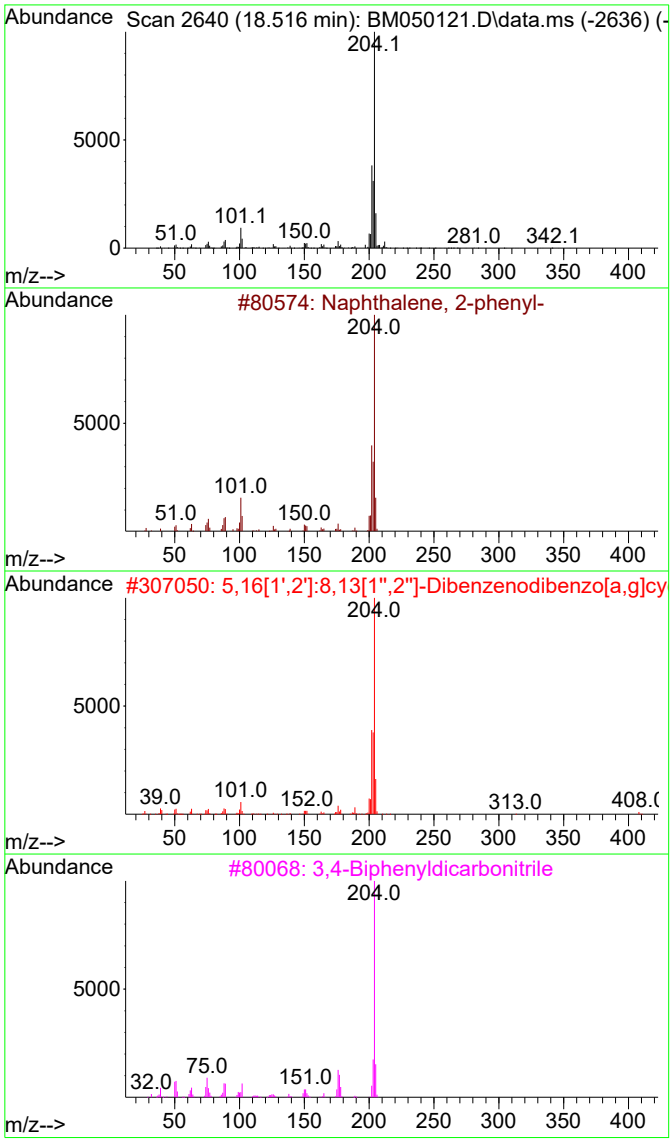
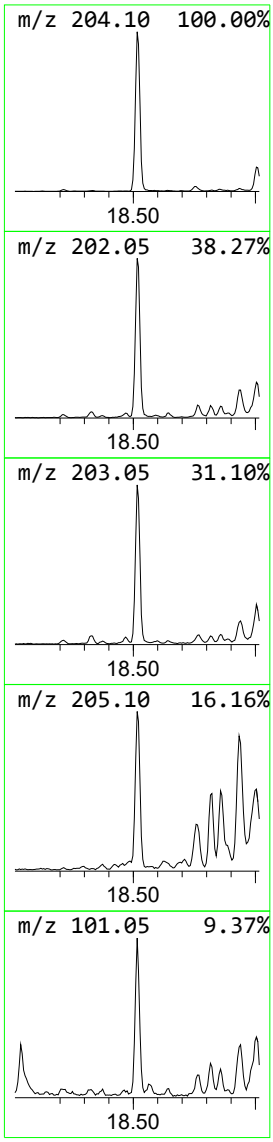
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.516	5.63 ng	949173	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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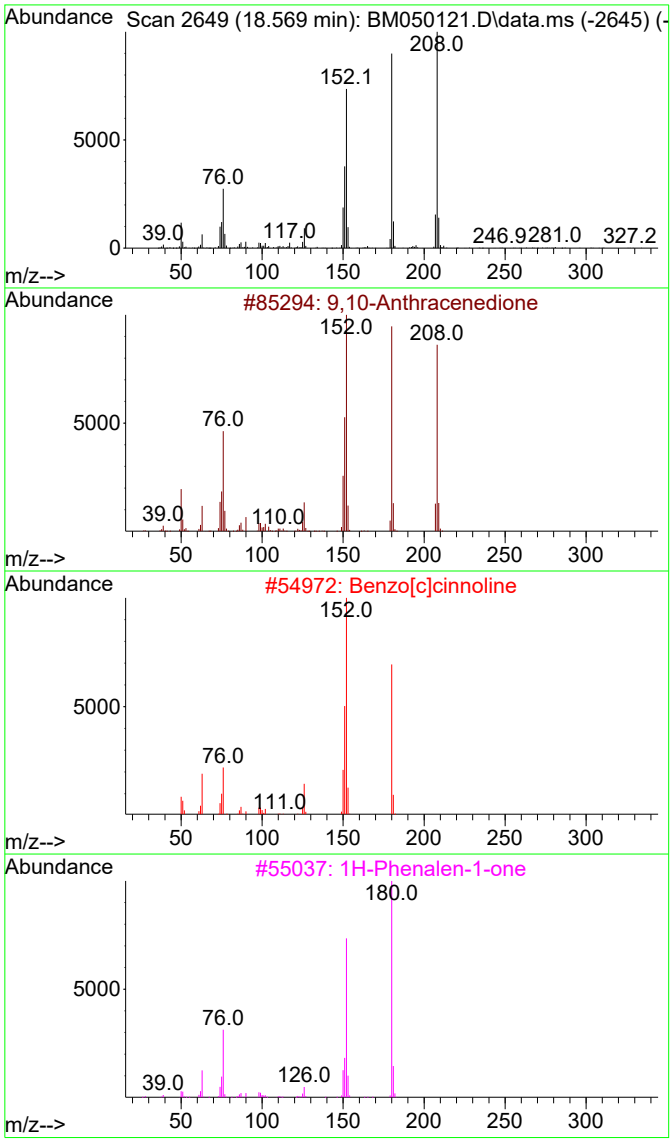
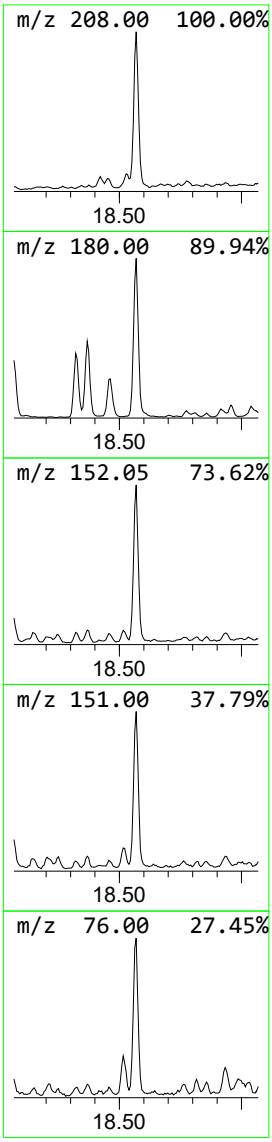
Peak Number 12 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.569	4.96 ng	835870	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	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58





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Sample : Q1952-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

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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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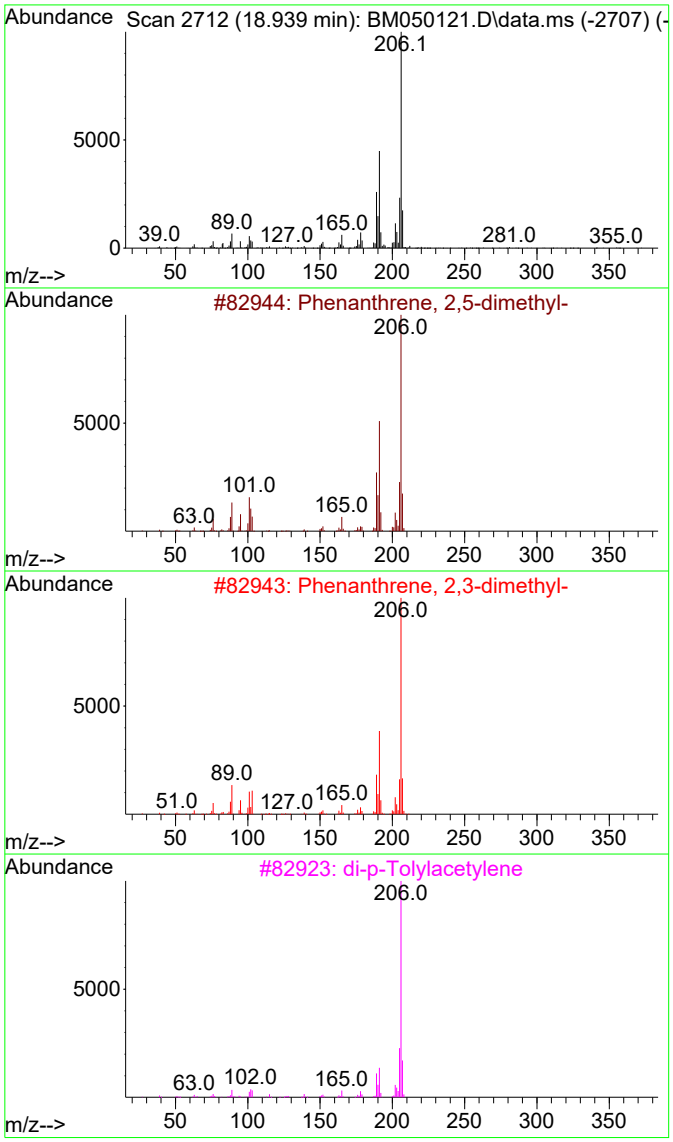
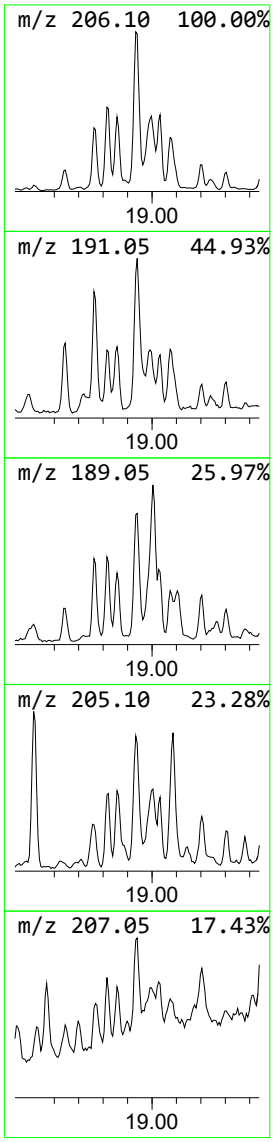
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.939	4.74 ng	799105	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	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :
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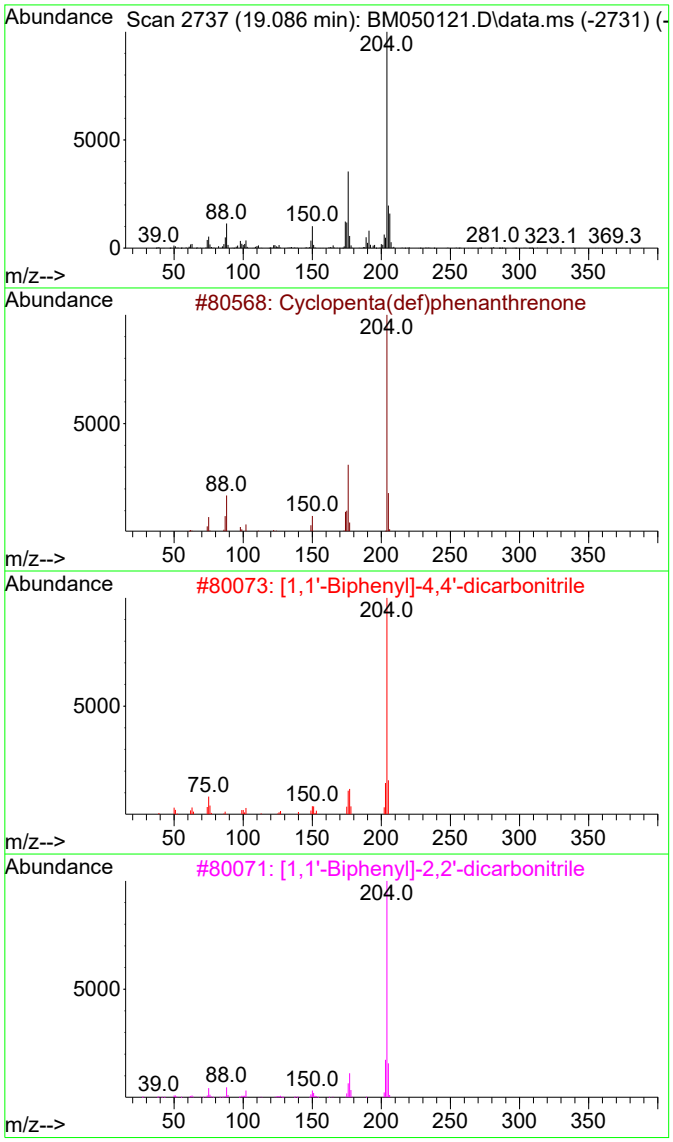
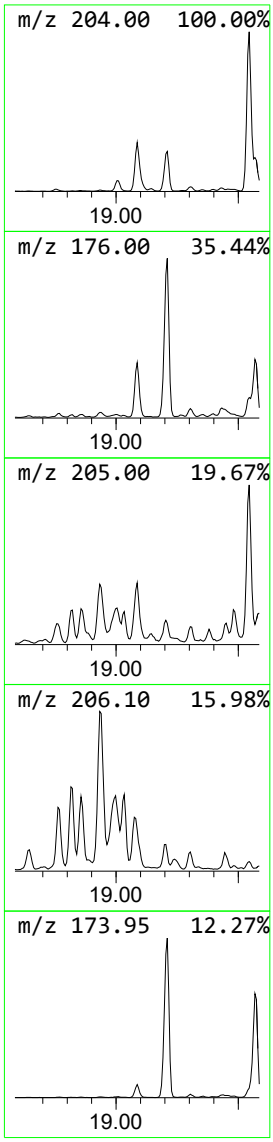
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.086	6.08 ng	1024780	Phenanthrene-d10	17.139

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47
5	Ethyl .alpha.-D-glucopyranoside,...	496	C20H48O6Si4	1000365-90-0	47





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ClientSampleId :
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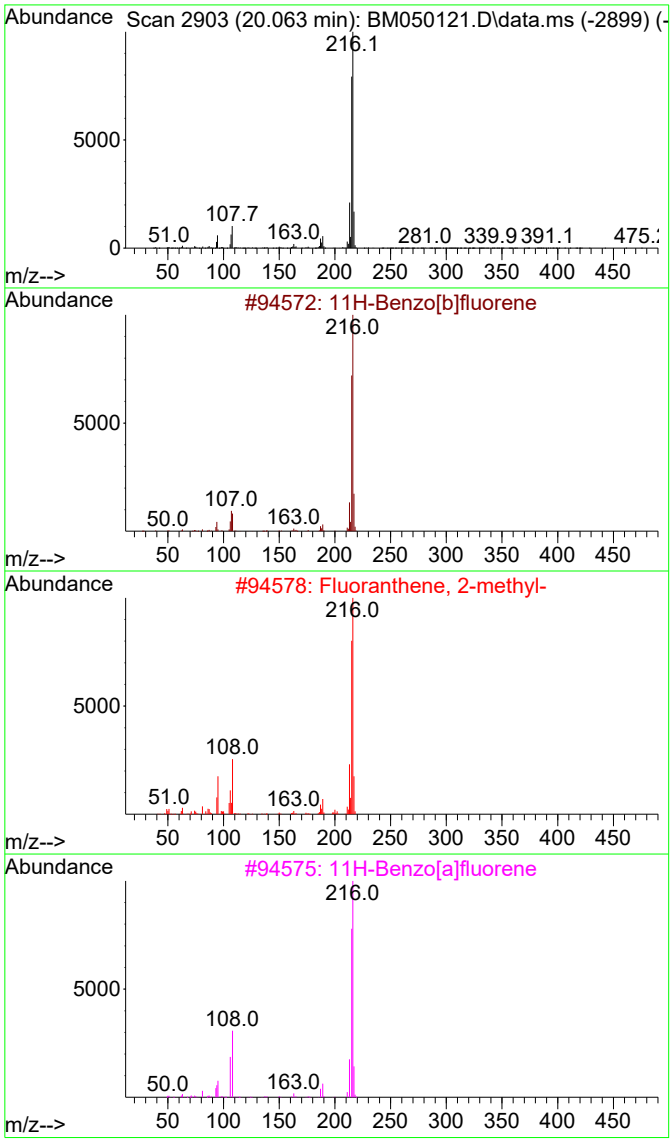
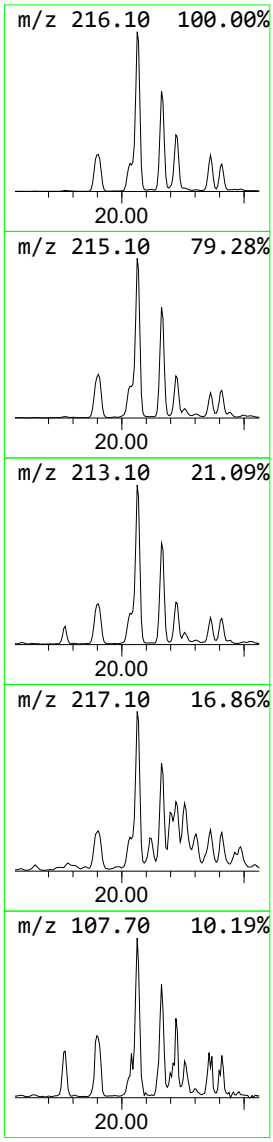
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.063	3.55 ng	4472900	Chrysene-d12	21.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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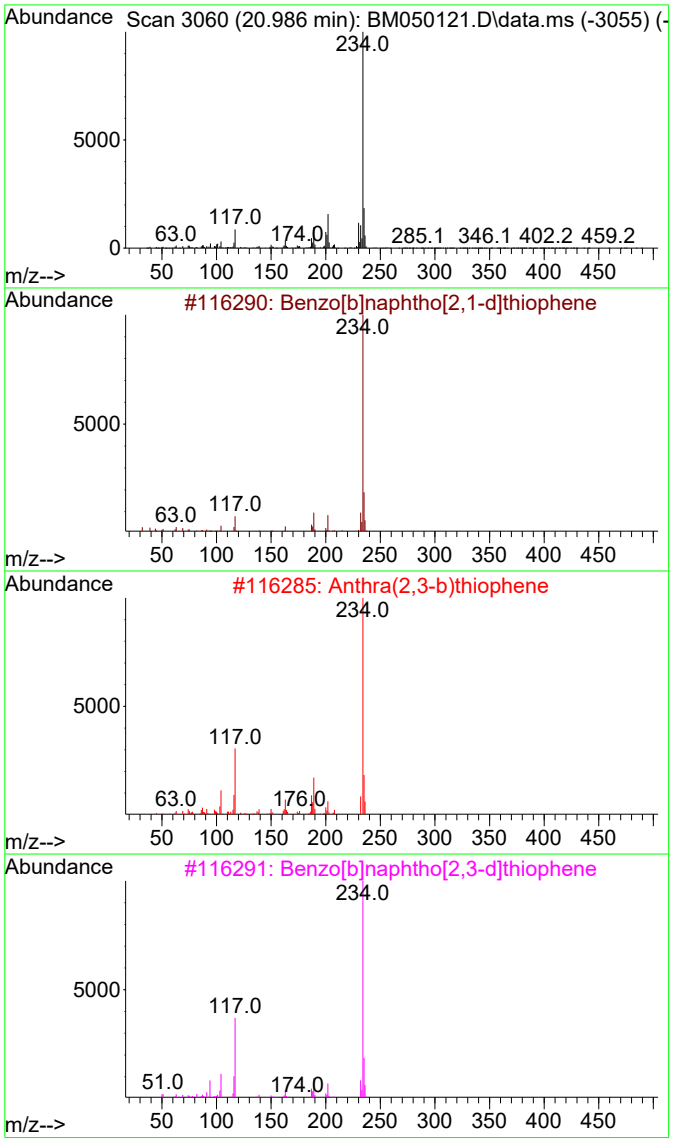
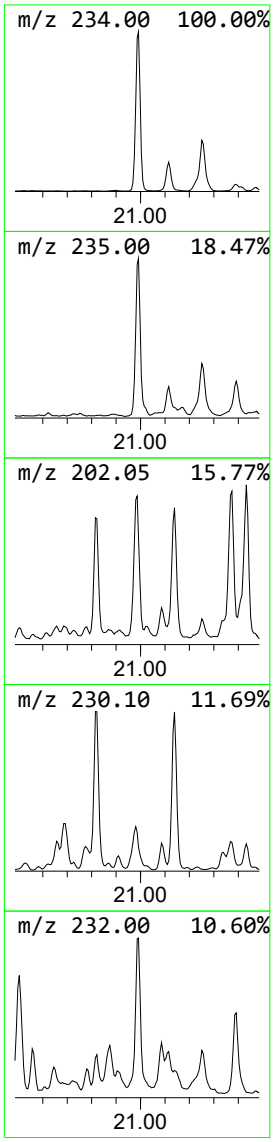
****
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.986	2.66 ng	3354130	Chrysene-d12	21.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
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	76
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	59





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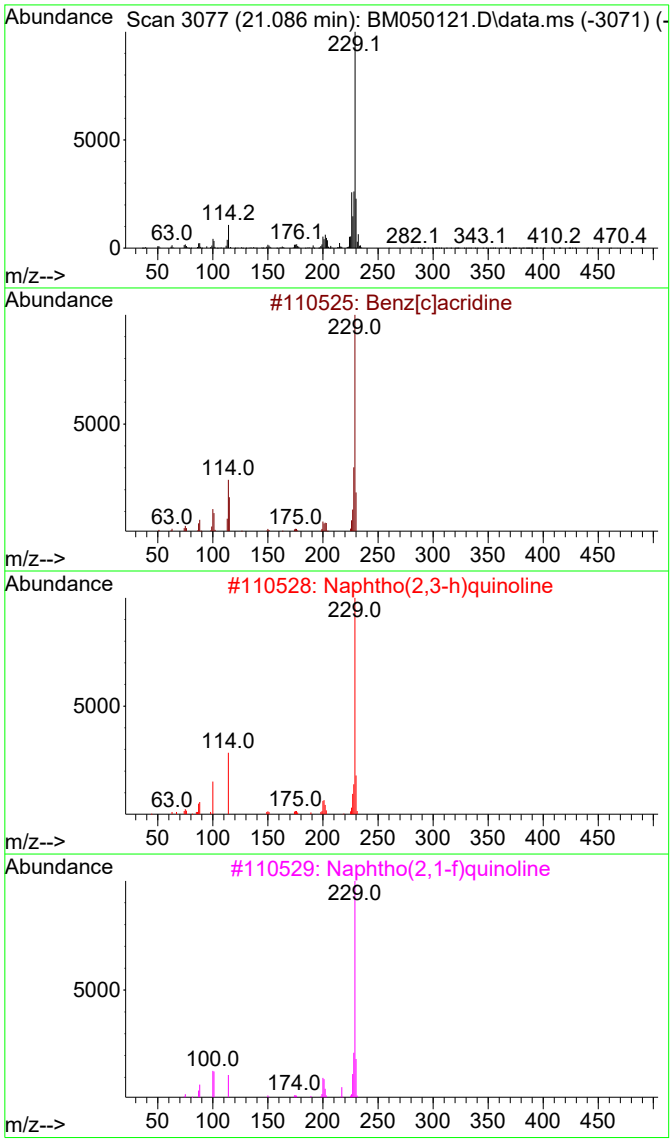
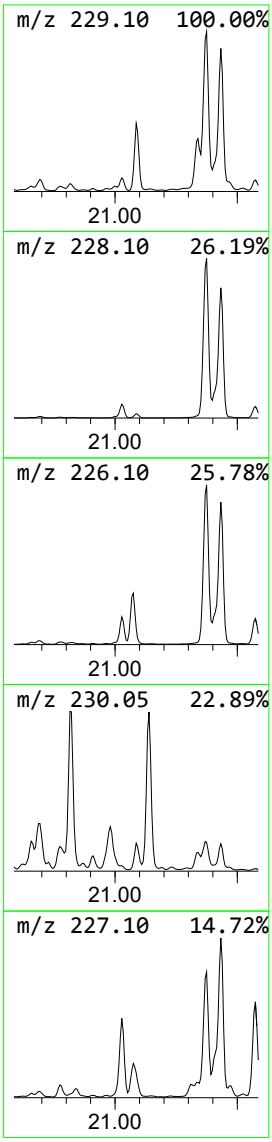
Peak Number 17 Benz[c]acridine Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.086	2.41 ng	3033570	Chrysene-d12	21.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	93
2	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	76
3	Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	72
4	Benzo(a)acridine	229	C17H11N	000225-11-6	68
5	7-Chloro-2-phenazinamine	229	C12H8ClN3	023677-11-4	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050121.D
Acq On : 06 May 2025 15:59
Operator : RC/JU
Sample : Q1952-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CLEAN-FILL

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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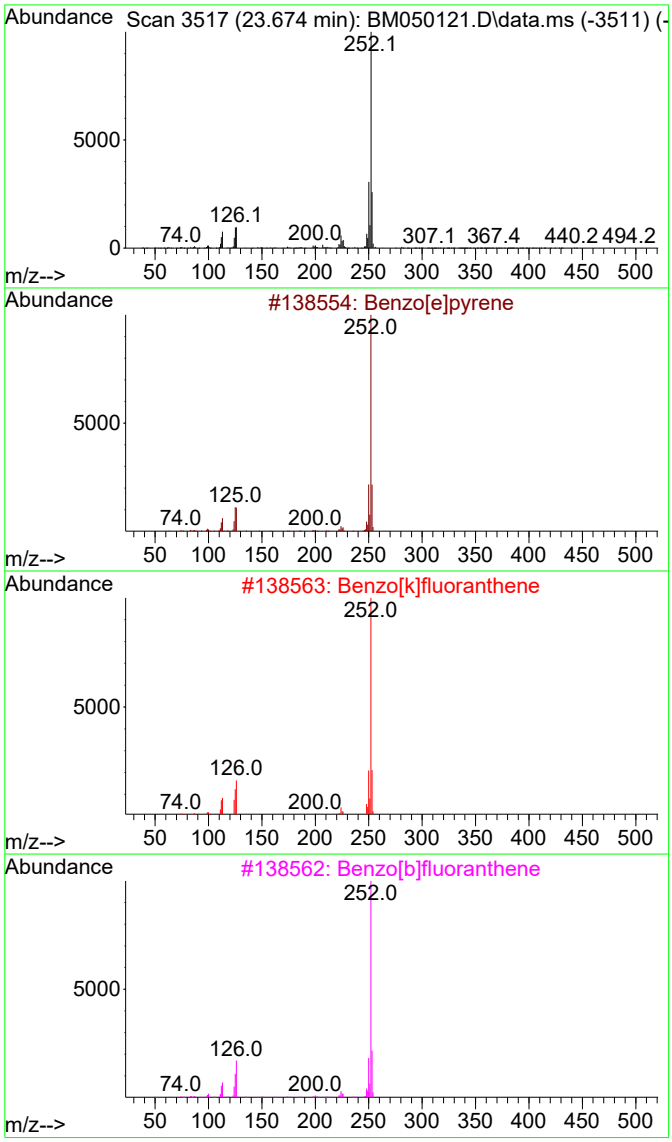
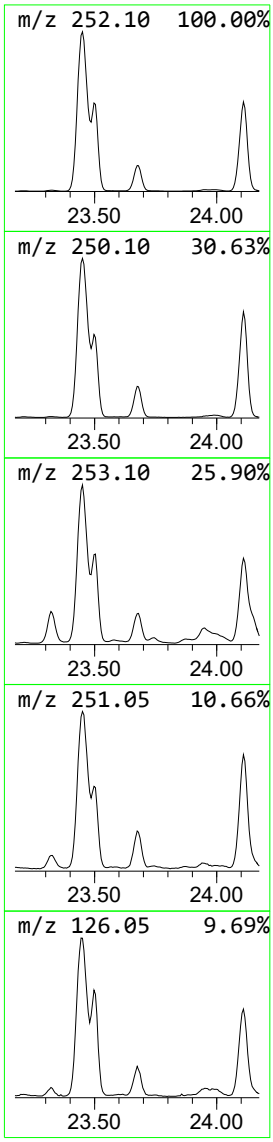
Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.674	12.43 ng	2263790	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	90
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050121.D
Acq On : 06 May 2025 15:59
Operator : RC/JU
Sample : Q1952-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CLEAN-FILL

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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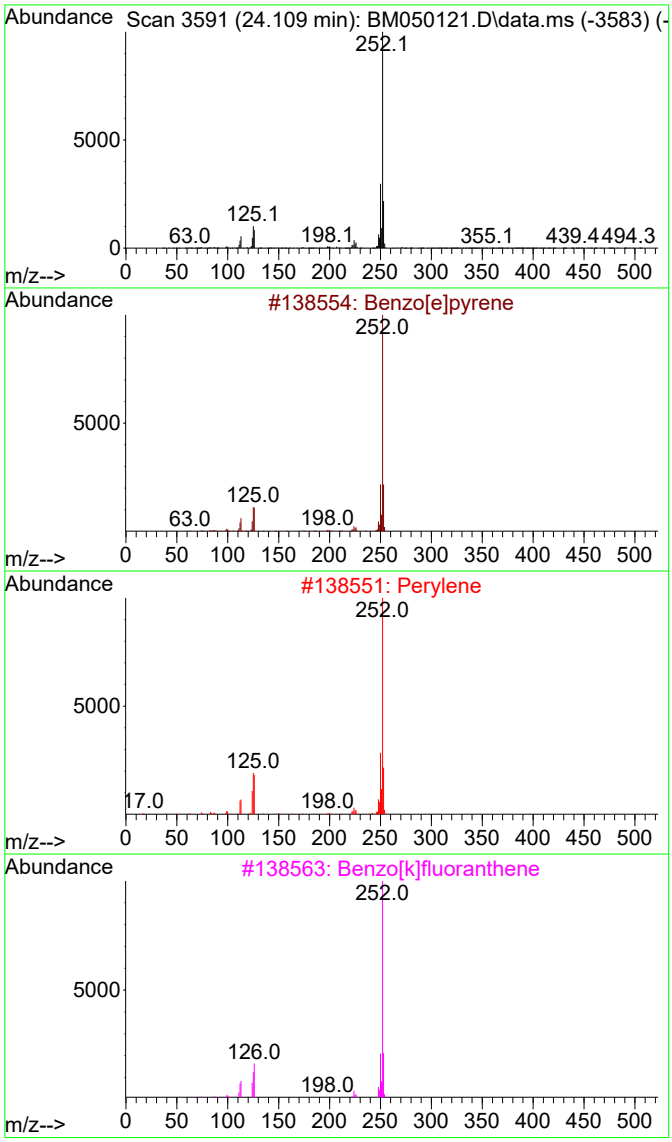
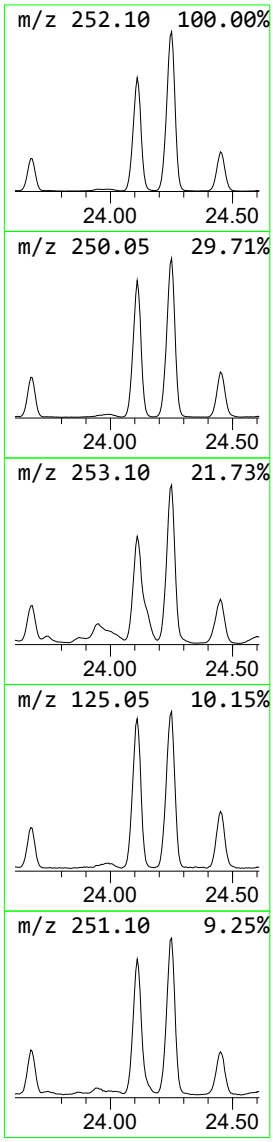
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.109	49.49 ng	9016350	Perylene-d12	24.380

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	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050121.D
Acq On : 06 May 2025 15:59
Operator : RC/JU
Sample : Q1952-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CLEAN-FILL

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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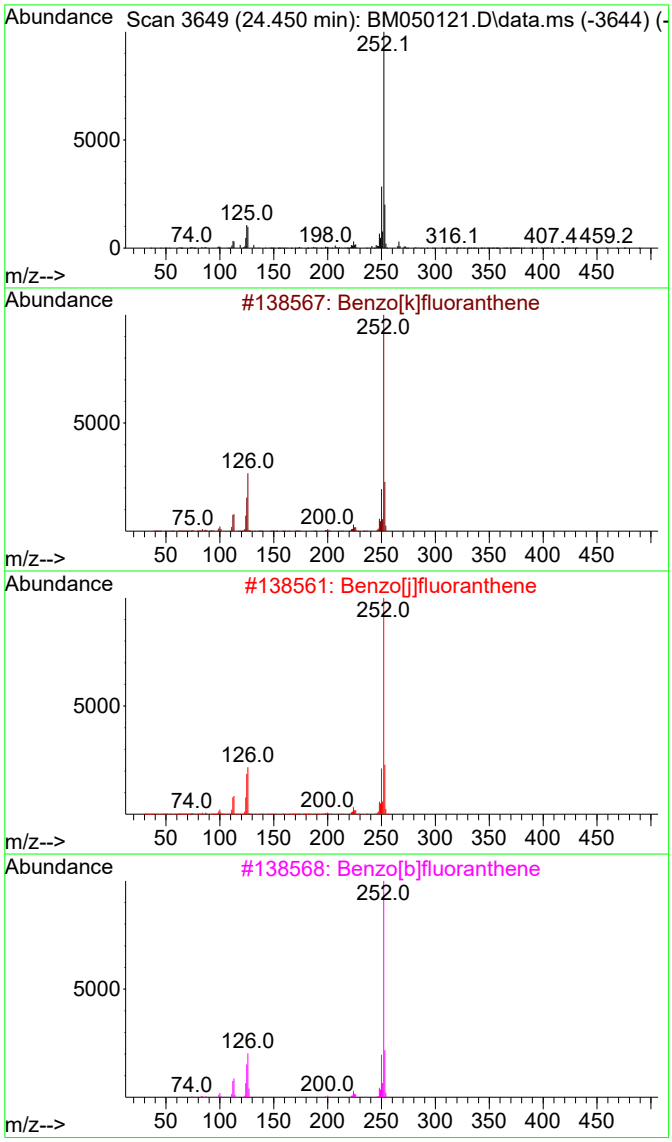
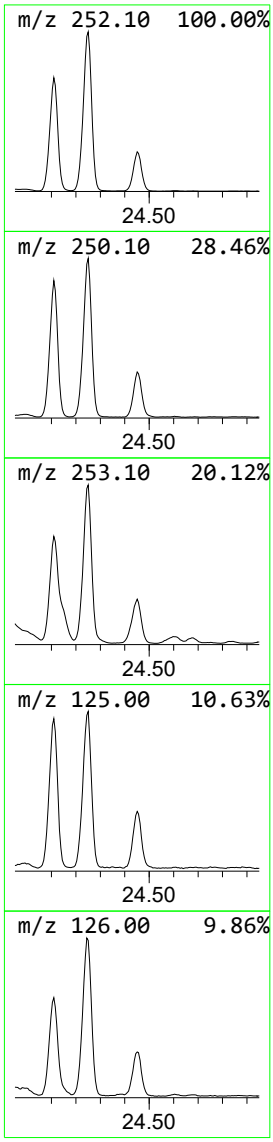
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.451	21.46 ng	3910050	Perylene-d12	24.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[e]pyrene	252	C20H12	000192-97-2	93
5	Perylene	252	C20H12	000198-55-0	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050121.D
Acq On : 06 May 2025 15:59
Operator : RC/JU
Sample : Q1952-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CLEAN-FILL

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
2-Pentanone, 4-...	4.869	5.0	ng	421528	1	7.746	1690980	20.0
Benzophenone	15.751	6.4	ng	960571	3	14.392	2995160	20.0
9H-Fluoren-9-one	16.804	2.4	ng	405635	4	17.139	3372800	20.0
Dibenzothiophene	16.963	3.4	ng	573223	4	17.139	3372800	20.0
Phenanthrene, 2...	18.016	7.2	ng	1219630	4	17.139	3372800	20.0
n-Hexadecanoic ...	18.039	7.2	ng	1220640	4	17.139	3372800	20.0
Phenanthrene, 1...	18.063	11.9	ng	2002310	4	17.139	3372800	20.0
Anthracene, 1-m...	18.145	4.5	ng	752418	4	17.139	3372800	20.0
4H-Cyclopenta[d...	18.210	15.2	ng	2567930	4	17.139	3372800	20.0
1H-Cyclopropa[l...	18.251	4.8	ng	815959	4	17.139	3372800	20.0
Naphthalene, 2-...	18.516	5.6	ng	949173	4	17.139	3372800	20.0
9,10-Anthracene...	18.569	5.0	ng	835870	4	17.139	3372800	20.0
Phenanthrene, 2...	18.939	4.7	ng	799105	4	17.139	3372800	20.0
Cyclopenta(def)...	19.086	6.1	ng	1024780	4	17.139	3372800	20.0
11H-Benzo[b]flu...	20.063	3.5	ng	4472900	5	21.386	25203900	20.0
Benzo[b]naphtho...	20.986	2.7	ng	3354130	5	21.386	25203900	20.0
Benz[c]acridine	21.086	2.4	ng	3033570	5	21.386	25203900	20.0
Benzo[e]pyrene	23.674	12.4	ng	2263790	6	24.380	3643630	20.0
Perylene	24.109	49.5	ng	9016350	6	24.380	3643630	20.0
Benzo[j]fluoran...	24.451	21.5	ng	3910050	6	24.380	3643630	20.0