LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
Data File : BG054862.D
Acq On : 6 Sep 2022 22:06
Operator : CG/JU
Sample : N4498-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-090222

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_G\Methods\8270-BG082522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054862.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.215	320	328	341	rBV	304312	514829	10.20%	0.950%
2	5.697	403	410	425	rBV	688186	1160723	23.00%	2.141%
3	7.313	675	685	698	rBV	699764	1256808	24.91%	2.318%
4	8.153	821	828	835	rBV	168956	284701	5.64%	0.525%
5	9.328	1020	1028	1042	rBV	433385	791820	15.69%	1.460%
6	10.726	1259	1266	1278	rBV	99055	173479	3.44%	0.320%
7	10.979	1302	1309	1314	rBV	225441	422272	8.37%	0.779%
8	11.032	1314	1318	1324	rVB	54780	94491	1.87%	0.174%
9	12.624	1584	1589	1596	rVB	46599	76994	1.53%	0.142%
10	12.841	1616	1626	1635	rBV	77962	146796	2.91%	0.271%
11	13.411	1714	1723	1733	rVB	1200873	1913985	37.93%	3.530%
12	13.958	1806	1816	1824	rBV4	68627	191884	3.80%	0.354%
13	14.105	1835	1841	1846	rBV	116165	212435	4.21%	0.392%
14	14.157	1846	1850	1855	rVB	48204	73906	1.46%	0.136%
15	14.340	1876	1881	1885	rBV	68716	115432	2.29%	0.213%
16	14.510	1905	1910	1922	rBV2	113015	223424	4.43%	0.412%
17	14.786	1952	1957	1963	rVB	352061	545748	10.82%	1.007%
18	14.851	1963	1968	1974	rVB	241615	377183	7.48%	0.696%
19	14.992	1985	1992	2000	rBV2	34492	93871	1.86%	0.173%
20	15.180	2012	2024	2031	rVB2	161337	308043	6.11%	0.568%
21	15.250	2031	2036	2043	rVB	71176	113527	2.25%	0.209%
22	15.391	2053	2060	2065	rBV3	79003	154084	3.05%	0.284%
23	15.450	2065	2070	2074	rVB	58479	90414	1.79%	0.167%
24	15.568	2082	2090	2093	rBV2	56253	131314	2.60%	0.242%
25	15.597	2093	2095	2100	rVB2	48560	60330	1.20%	0.111%
26	15.656	2100	2105	2109	rBV	35649	61125	1.21%	0.113%
27	15.738	2115	2119	2123	rVB2	40439	53233	1.06%	0.098%
28	15.832	2129	2135	2144	rVB	467378	800813	15.87%	1.477%
29	15.955	2152	2156	2159	rVV2	63306	113408	2.25%	0.209%
30	15.991	2159	2162	2166	rVV4	58410	87357	1.73%	0.161%
31	16.038	2166	2170	2175	rVV3	49518	86647	1.72%	0.160%
32	16.120	2175	2184	2191	rVB2	93285	210941	4.18%	0.389%
33	16.273	2199	2210	2218	rBV	890480	1501482	29.76%	2.769%
34	16.502	2239	2249	2258	rVB6	61479	176414	3.50%	0.325%
35	16.631	2266	2271	2275	rBV2	31812	52492	1.04%	0.097%
36	16.831	2297	2305	2310	rBV2	160426	326689	6.47%	0.603%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
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Operator : CG/JU
Sample : N4498-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-090222

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_G\Methods\8270-BG082522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.884	2310	2314	2319	rVB2	101504	156134	3.09%	0.288%
38	16.978	2326	2330	2335	rVB	108503	172793	3.42%	0.319%
39	17.054	2336	2343	2347	rBV4	56069	138850	2.75%	0.256%
40	17.095	2347	2350	2358	rVV2	54425	113105	2.24%	0.209%
41	17.183	2361	2365	2371	rVB2	67181	111259	2.21%	0.205%
42	17.254	2373	2377	2383	rBV3	61069	119133	2.36%	0.220%
43	17.354	2388	2394	2402	rVB	194293	324295	6.43%	0.598%
44	17.536	2419	2425	2428	rBV	388956	660159	13.08%	1.218%
45	17.583	2428	2433	2439	rVV	2538562	4013203	79.54%	7.402%
46	17.671	2442	2448	2452	rVV	695753	1056248	20.93%	1.948%
47	17.724	2454	2457	2461	rVB	73816	115372	2.29%	0.213%
48	17.935	2488	2493	2500	rBV	146557	290246	5.75%	0.535%
49	18.047	2508	2512	2516	rBV	93743	128457	2.55%	0.237%
50	18.118	2519	2524	2529	rVV2	123606	199739	3.96%	0.368%
51	18.170	2530	2533	2537	rVB3	40466	53623	1.06%	0.099%
52	18.259	2544	2548	2555	rVB	76980	145582	2.89%	0.269%
53	18.411	2568	2574	2578	rBV	501936	788231	15.62%	1.454%
54	18.458	2578	2582	2588	rVB	640166	915795	18.15%	1.689%
55	18.541	2591	2596	2600	rBV	226358	340004	6.74%	0.627%
56	18.605	2600	2607	2611	rVV2	878254	1718702	34.06%	3.170%
57	18.640	2611	2613	2618	rVB	382070	432650	8.57%	0.798%
58	18.899	2652	2657	2661	rBV	343442	473154	9.38%	0.873%
59	18.946	2662	2665	2675	rVB3	104733	188782	3.74%	0.348%
60	19.140	2696	2698	2703	rVB2	93869	115285	2.28%	0.213%
61	19.193	2704	2707	2711	rVV	128608	166826	3.31%	0.308%
62	19.234	2711	2714	2718	rVB2	91394	111352	2.21%	0.205%
63	19.316	2723	2728	2733	rBV	336365	634102	12.57%	1.170%
64	19.463	2748	2753	2766	rVB5	133691	438413	8.69%	0.809%
65	19.592	2768	2775	2779	rBV	3181722	5045568	100.00%	9.306%
66	19.675	2786	2789	2794	rVB	109342	141273	2.80%	0.261%
67	19.733	2795	2799	2803	rBV	233662	327424	6.49%	0.604%
68	19.915	2825	2830	2831	rBV	442859	594437	11.78%	1.096%
69	19.951	2831	2836	2842	rVV	2984712	4719496	93.54%	8.705%
70	20.009	2843	2846	2851	rVB	175208	238635	4.73%	0.440%
71	20.133	2861	2867	2871	rBV	1868789	2483960	49.23%	4.581%
72	20.268	2884	2890	2896	rBV2	247346	564986	11.20%	1.042%
73	20.432	2915	2918	2923	rVB	677847	951026	18.85%	1.754%
74	20.532	2931	2935	2939	rBV2	653944	844273	16.73%	1.557%
75	20.591	2942	2945	2949	rVB	303221	408754	8.10%	0.754%
76	20.732	2966	2969	2973	rBV	234341	309553	6.14%	0.571%

LSC Area Percent Report

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Operator : CG/JU
Sample : N4498-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-090222

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

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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.779	2974	2977	2984	rVB2	279423	443350	8.79%	0.818%
78	21.396	3079	3082	3085	rBV	156167	222032	4.40%	0.410%
79	21.437	3086	3089	3094	rVB2	316718	482684	9.57%	0.890%
80	21.496	3095	3099	3103	rBV2	191478	291430	5.78%	0.538%
81	21.819	3148	3154	3160	rBV3	1433198	3235958	64.13%	5.968%
82	21.884	3161	3165	3177	rVB	1249675	2248700	44.57%	4.148%
83	24.146	3543	3550	3557	rBV	577960	1954175	38.73%	3.604%
84	25.068	3701	3707	3719	rVB	541256	1589398	31.50%	2.932%

Sum of corrected areas: 54217700

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
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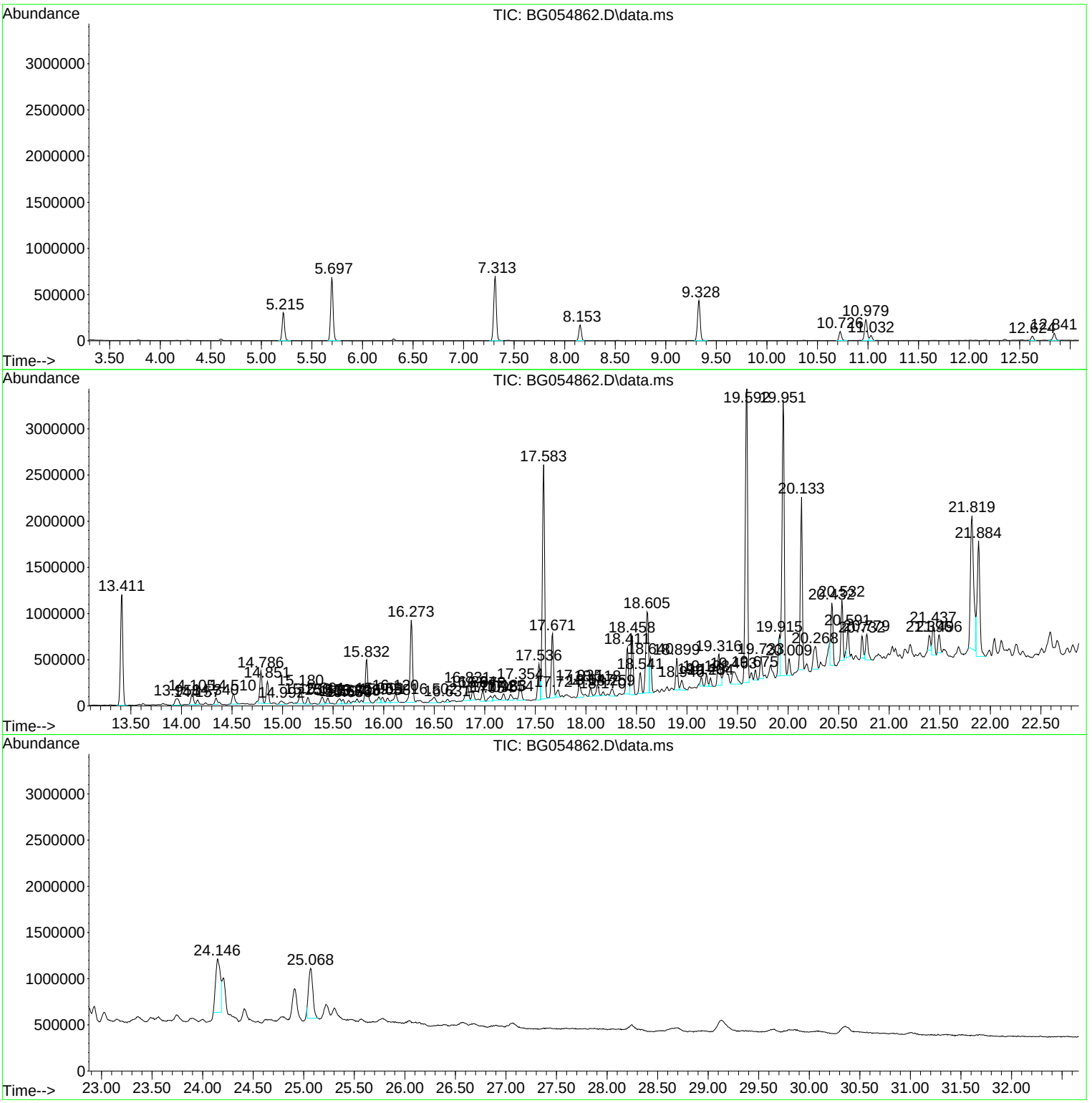
Instrument :
BNA_G
ClientSampleId :
CL-02-090222

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.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_G\Data\BG090622\
Data File : BG054862.D
Acq On : 6 Sep 2022 22:06
Operator : CG/JU
Sample : N4498-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-090222

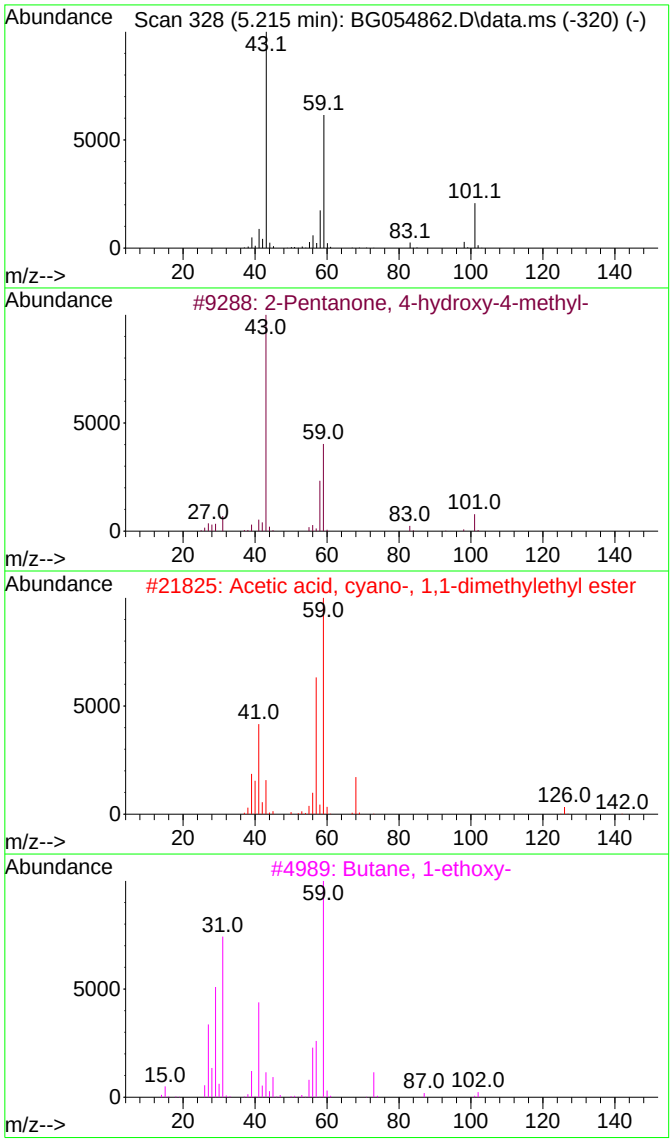
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

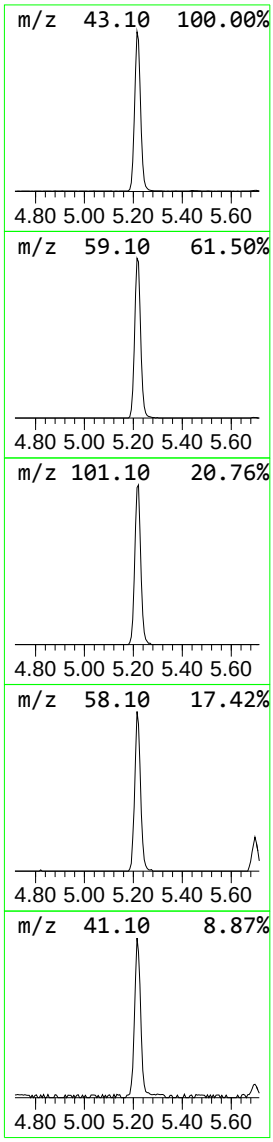
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.215	36.17 ng	514829	1,4-Dichlorobenzene-d4	8.153

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
Data File : BG054862.D
Acq On : 6 Sep 2022 22:06
Operator : CG/JU
Sample : N4498-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-090222

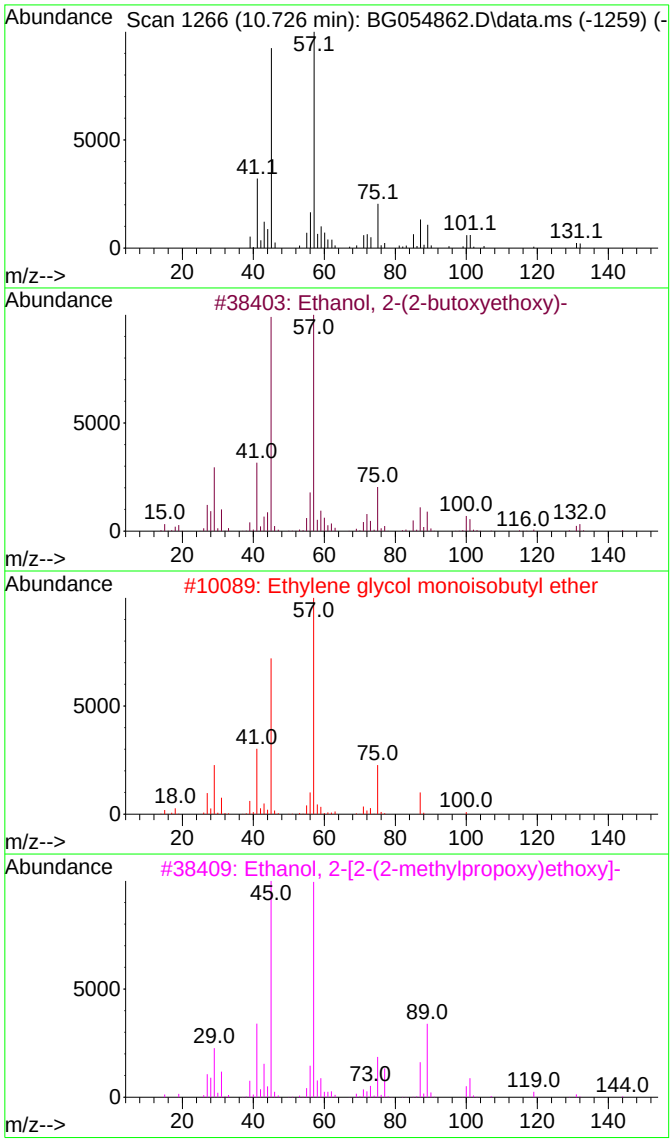
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

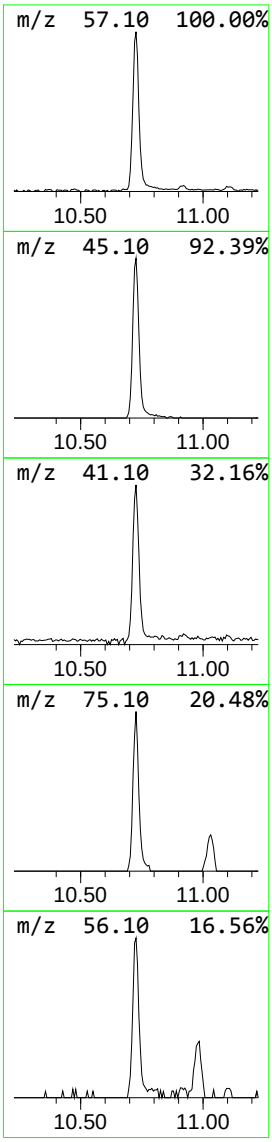
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.726	8.22 ng	173479	Naphthalene-d8	10.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
3	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	56
4	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	52
5	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

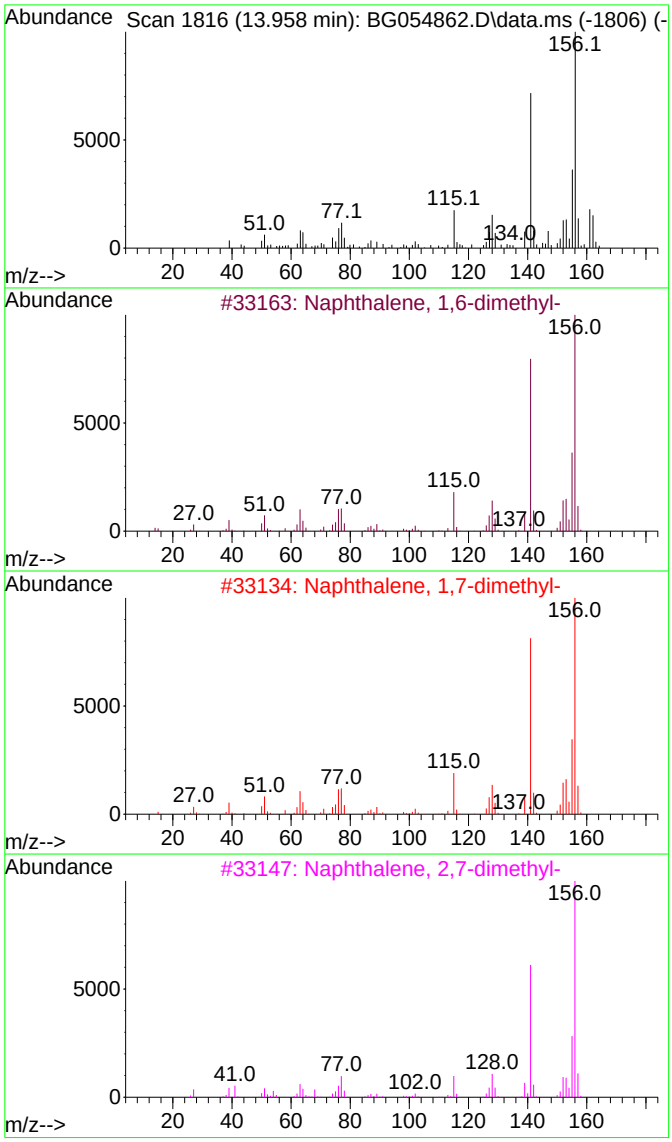
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

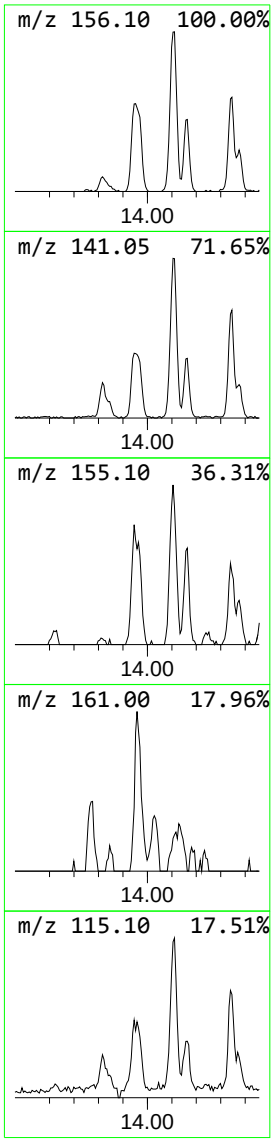
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.958	7.03 ng	191884	Acenaphthene-d10	14.786

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

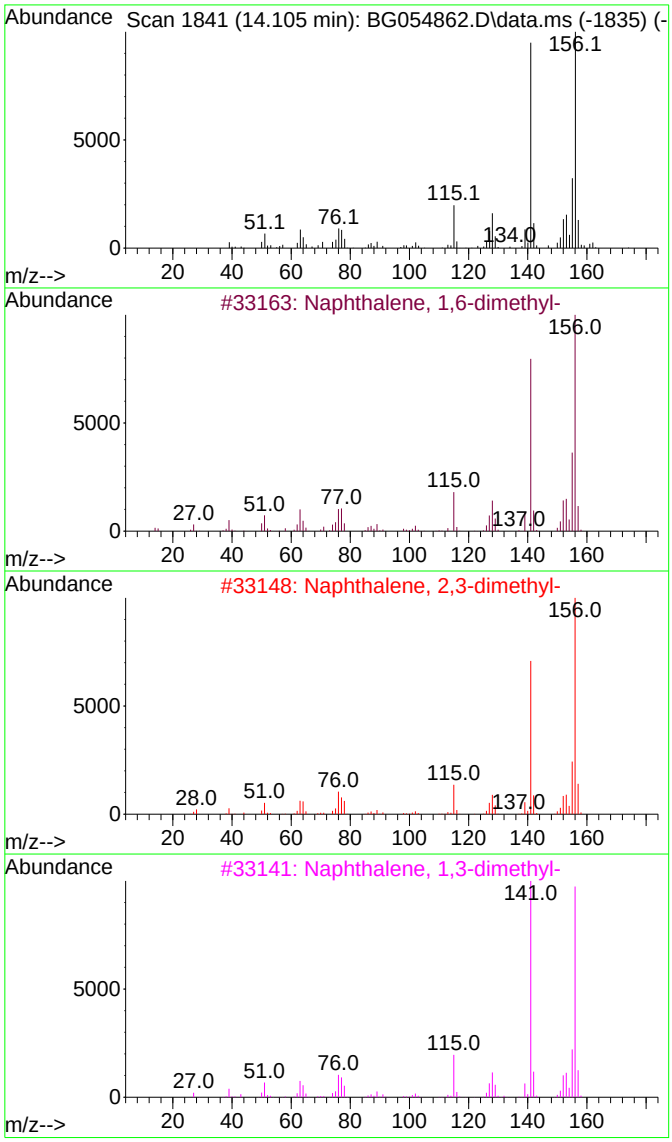
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

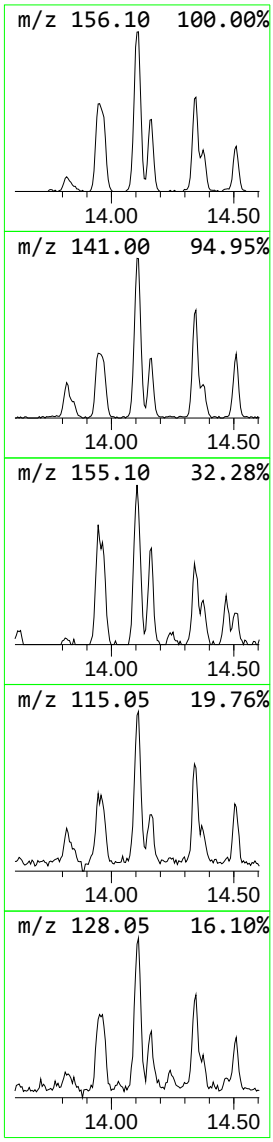
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.105	7.79 ng	212435	Acenaphthene-d10	14.786

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





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Data File : BG054862.D
Acq On : 6 Sep 2022 22:06
Operator : CG/JU
Sample : N4498-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-090222

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

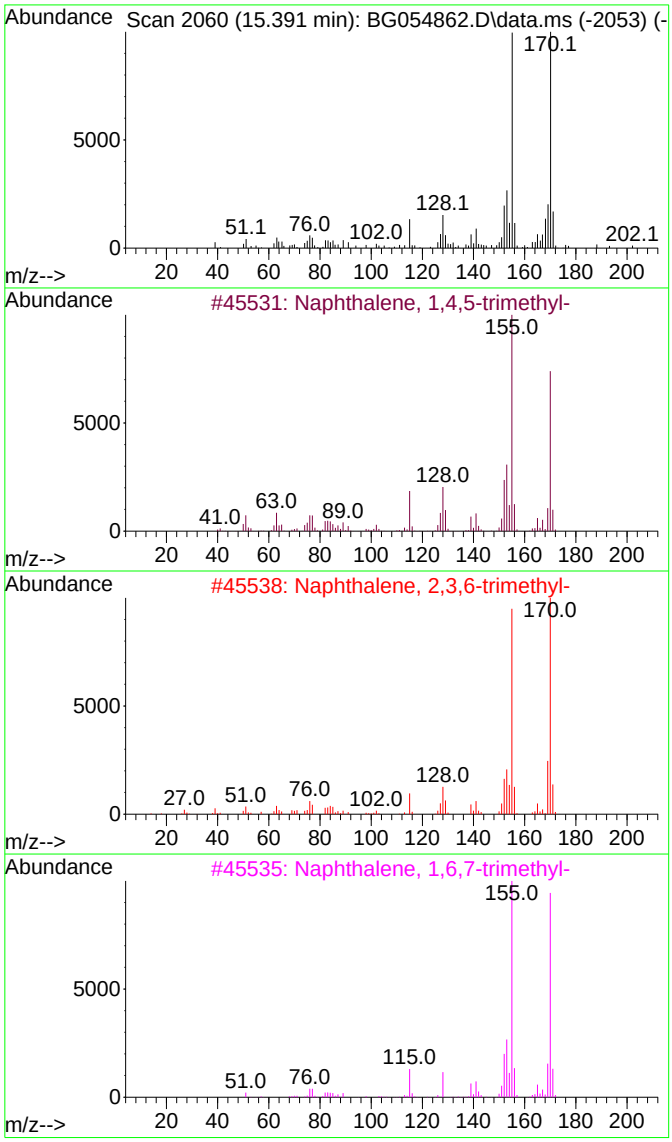
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

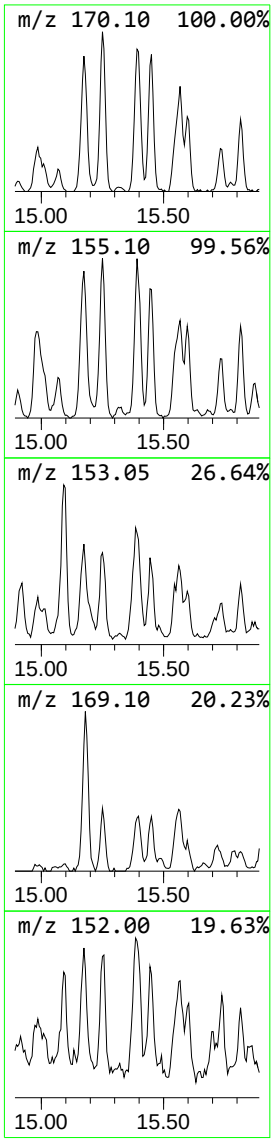
****

Peak Number 5 Naphthalene, 1,4,5-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.391	5.65 ng	154084	Acenaphthene-d10	14.786

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
Data File : BG054862.D
Acq On : 6 Sep 2022 22:06
Operator : CG/JU
Sample : N4498-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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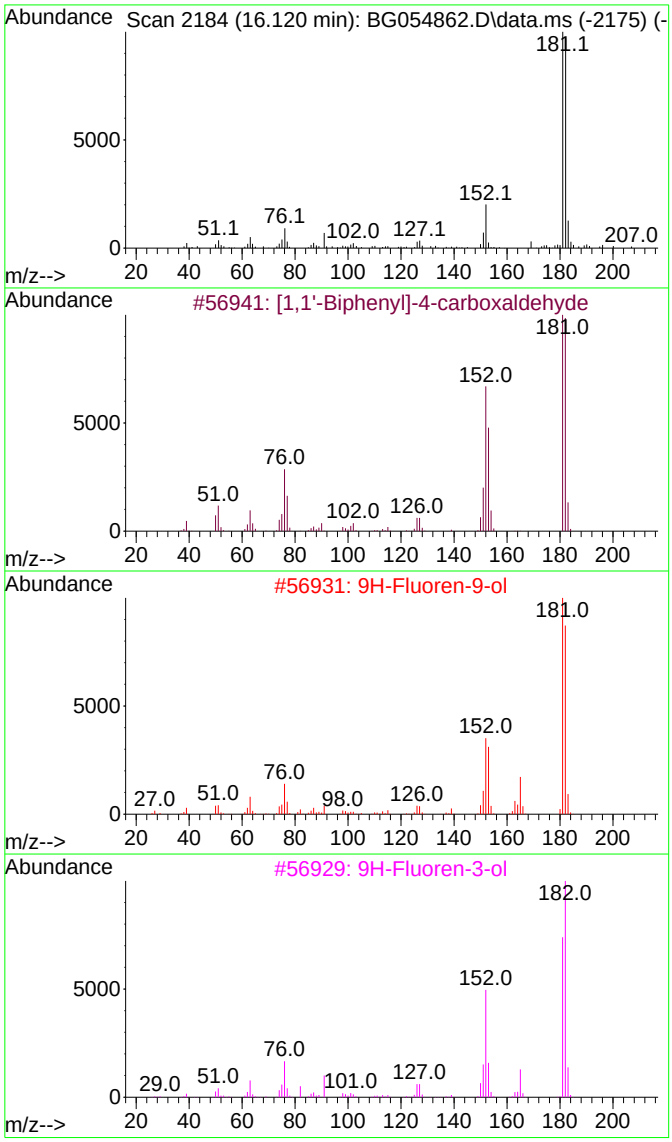
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

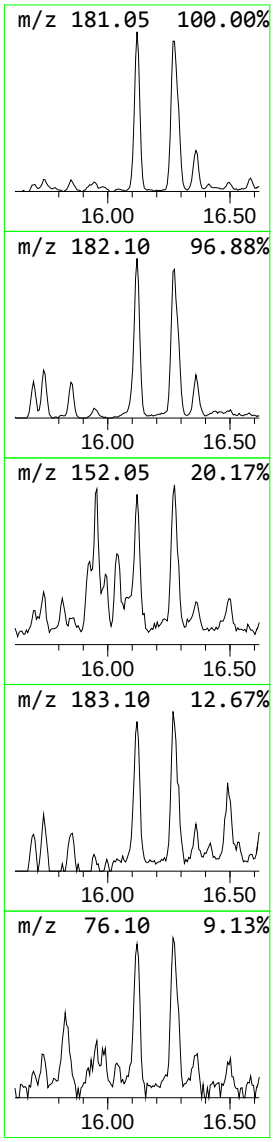
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.120	7.73 ng	210941	Acenaphthene-d10	14.786

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
3	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	59
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59
5	9H-Xanthene	182	C13H10O	000092-83-1	53





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Operator : CG/JU
Sample : N4498-01
Misc :
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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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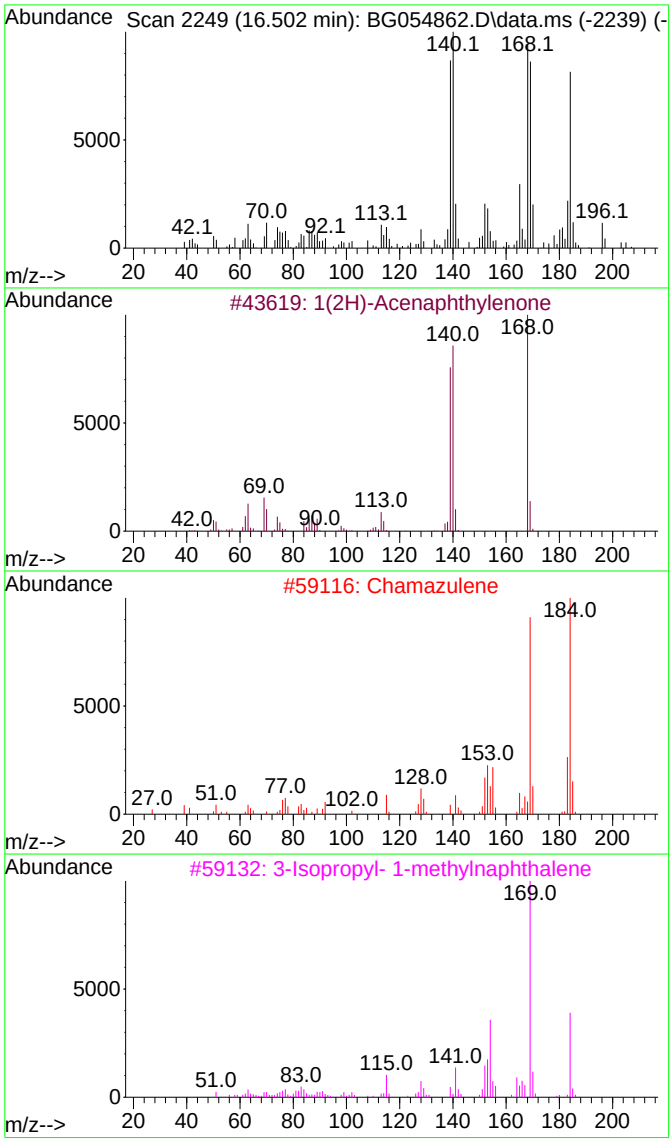
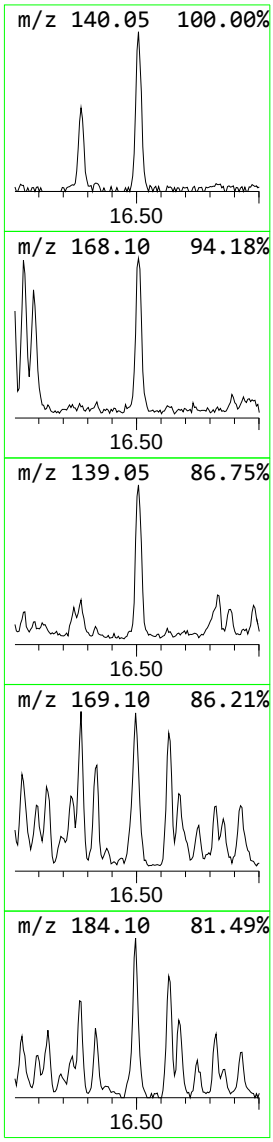
Peak Number 7 1(2H)-Acenaphthylenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.502	5.34 ng	176414	Phenanthrene-d10	17.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	89
2	Chamazulene	184	C14H16	000529-05-5	38
3	3-Isopropyl- 1-methylnaphthalene	184	C14H16	1000383-71-4	38
4	Dibenzofuran	168	C12H8O	000132-64-9	30
5	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	30





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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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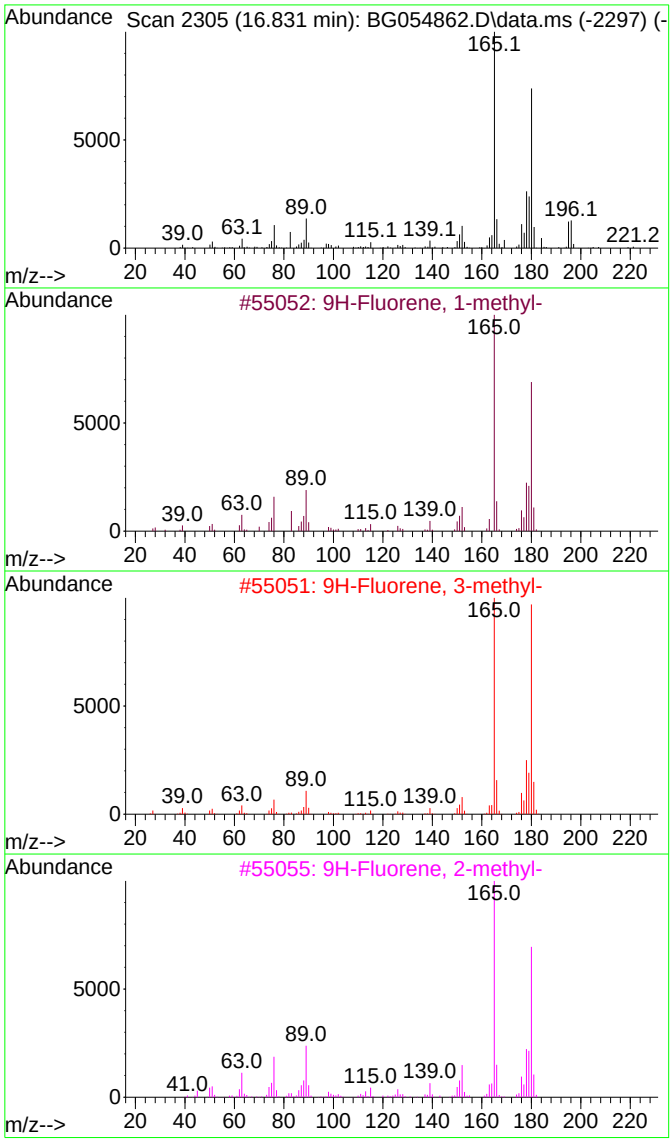
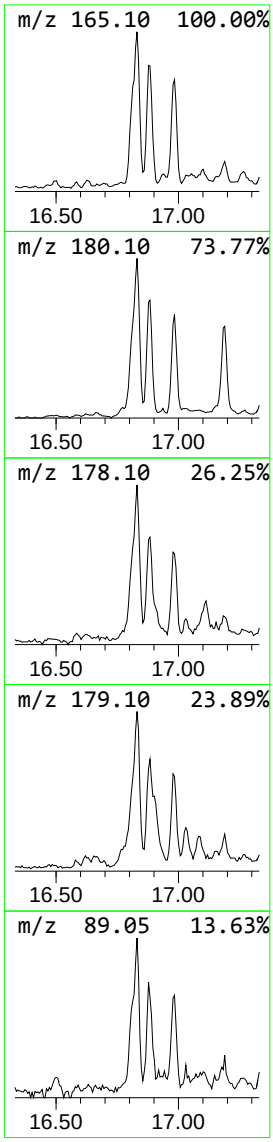
Peak Number 8 9H-Fluorene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.831	9.90 ng	326689	Phenanthrene-d10	17.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





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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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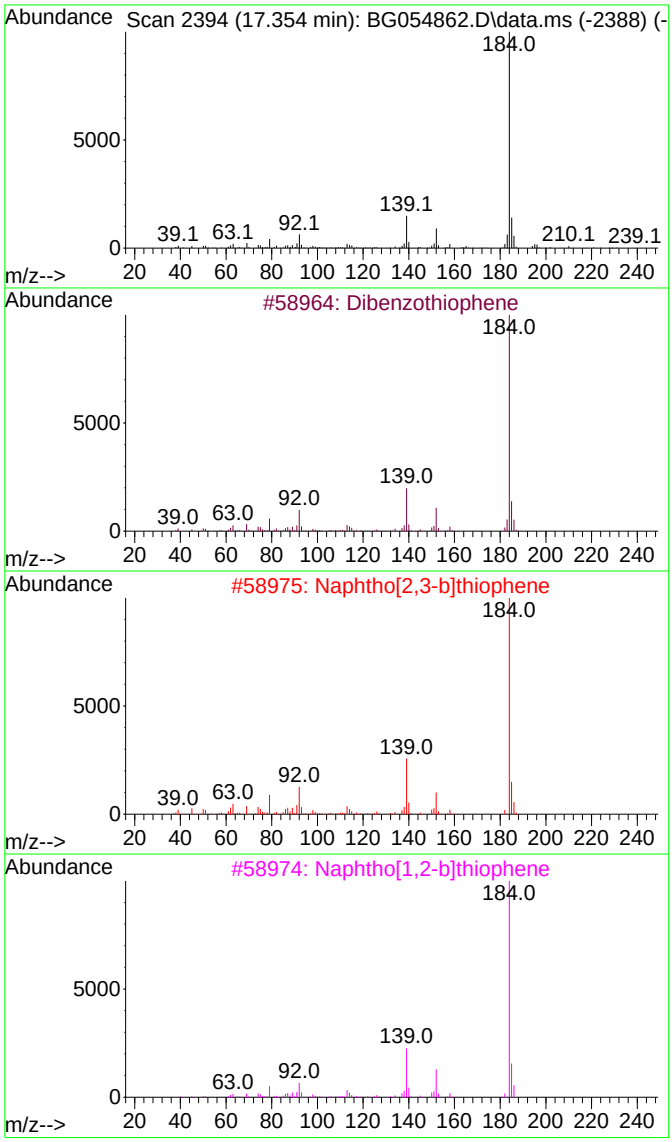
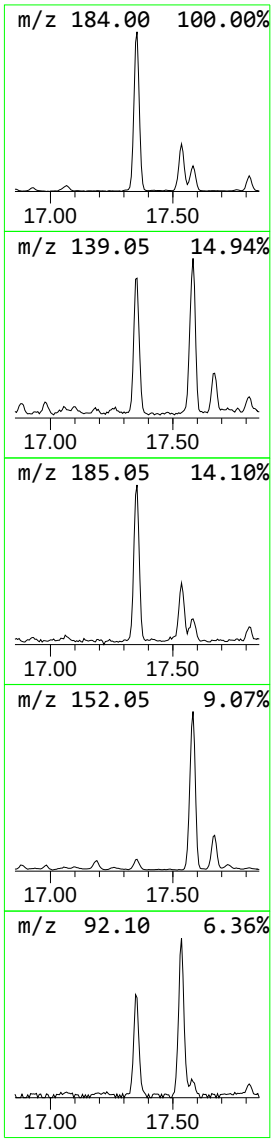
Peak Number 9 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.354	9.82 ng	324295	Phenanthrene-d10	17.536

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	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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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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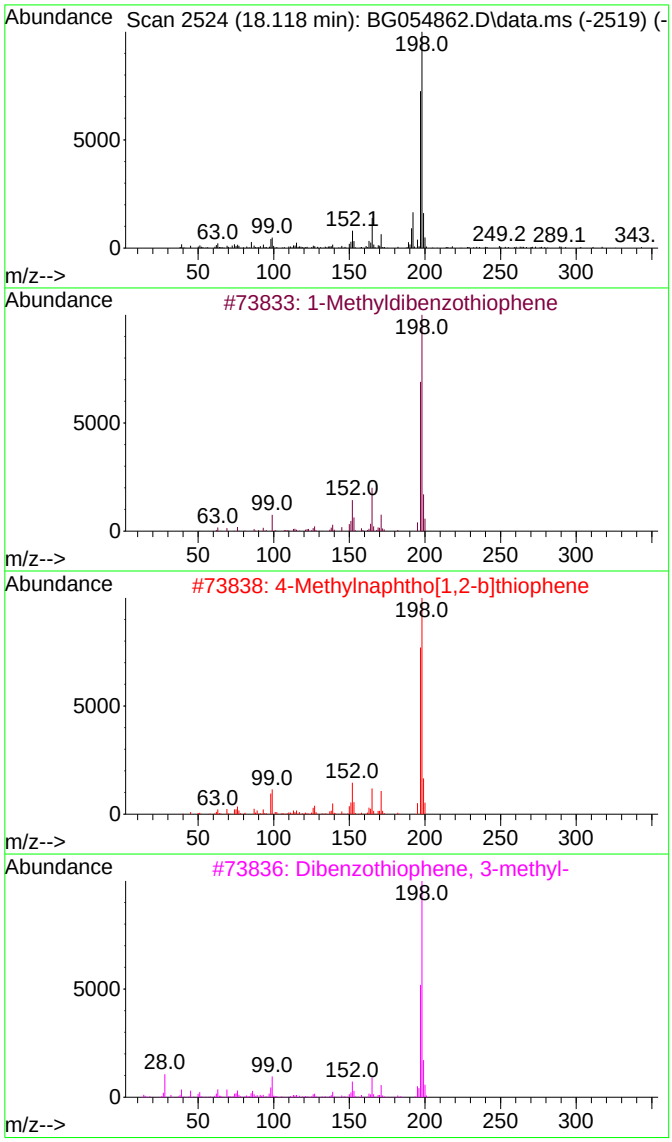
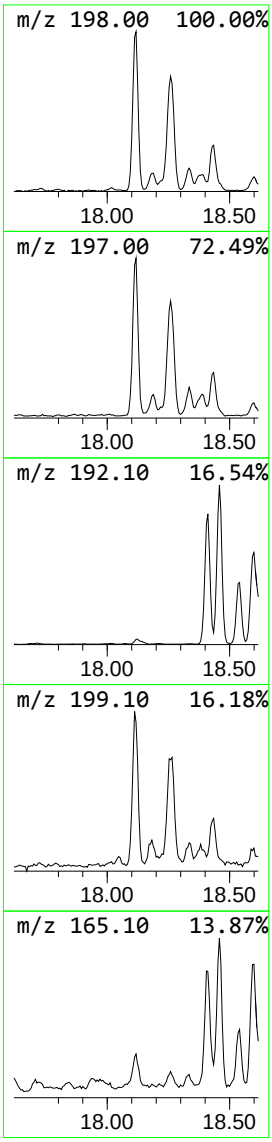
Peak Number 10 1-Methyldibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.118	6.05 ng	199739	Phenanthrene-d10	17.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87





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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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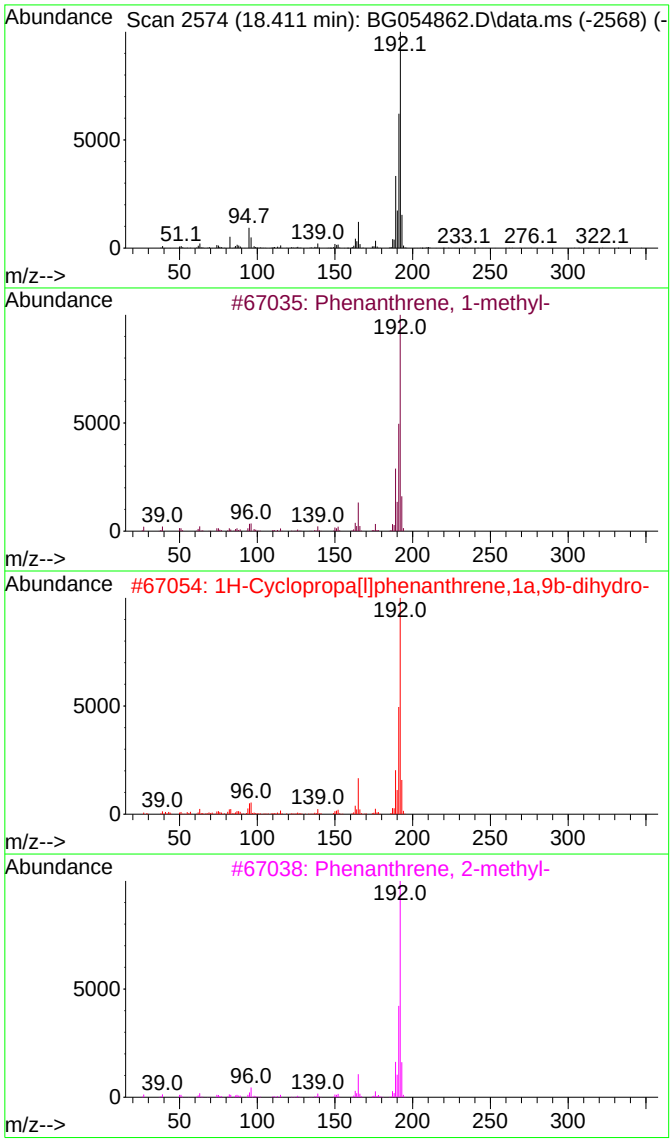
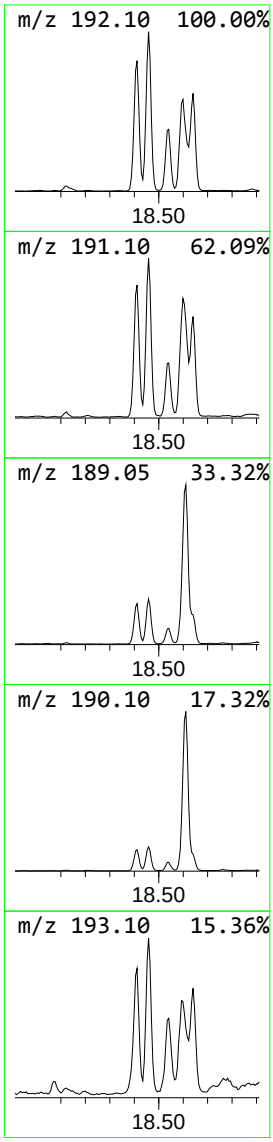
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.411	23.88 ng	788231	Phenanthrene-d10	17.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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ALS Vial : 14 Sample Multiplier: 1

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

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

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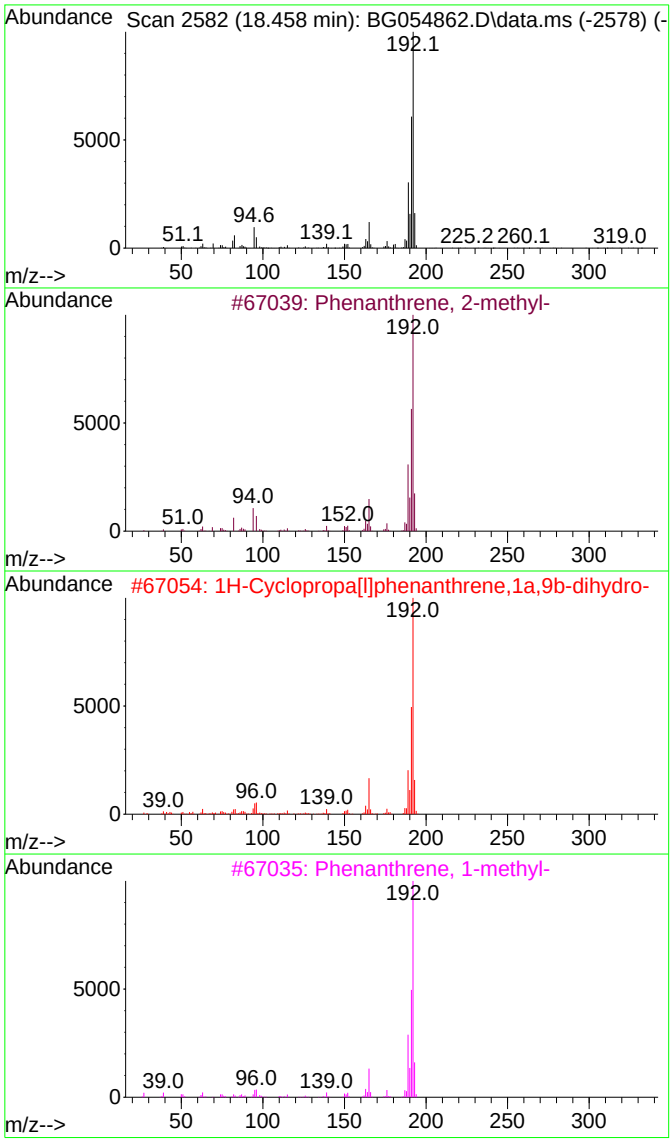
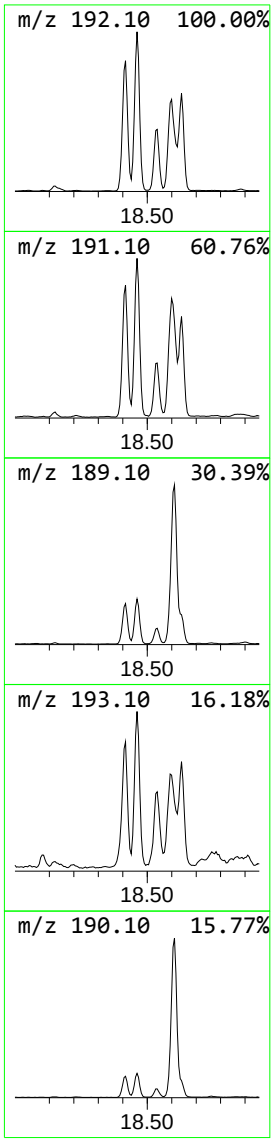
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.458	27.74 ng	915795	Phenanthrene-d10	17.536

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





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Sample : N4498-01
Misc :
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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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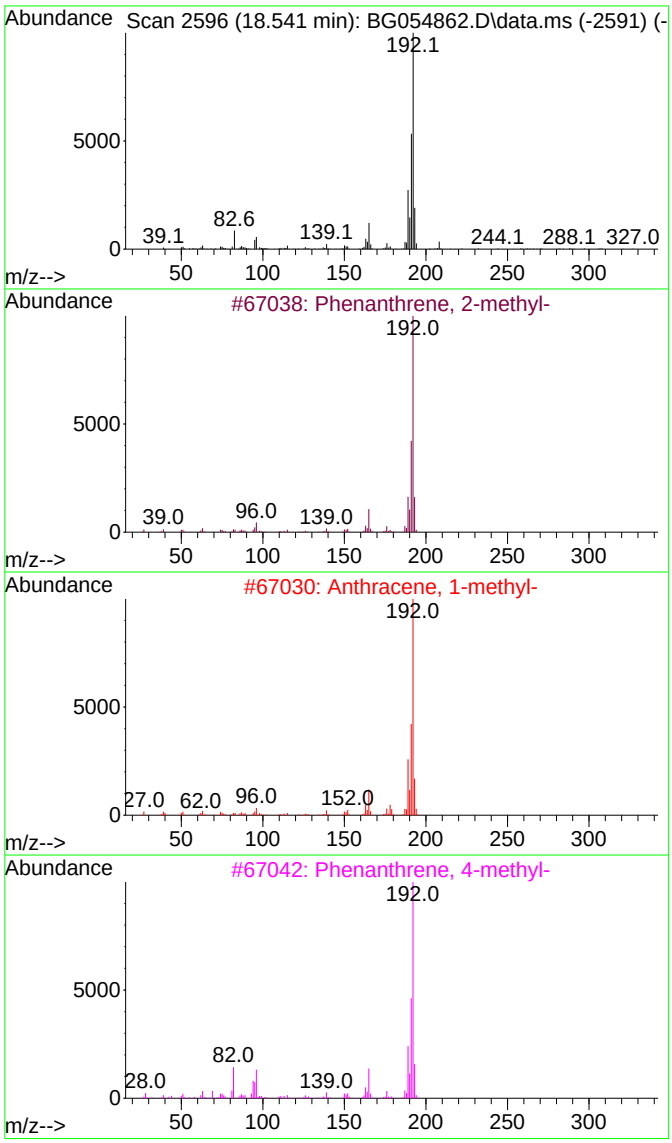
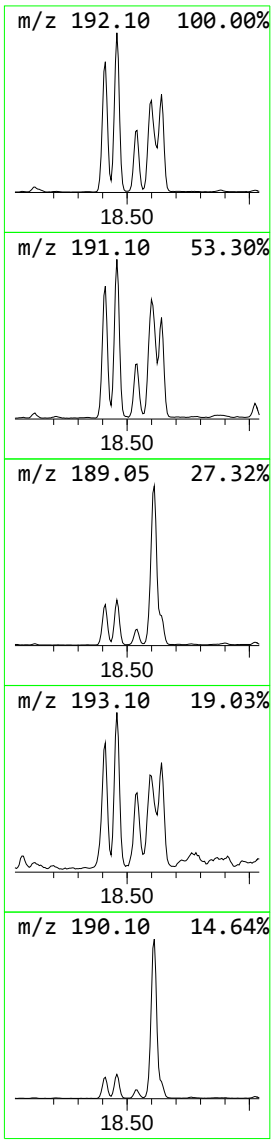
Peak Number 13 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.541	10.30 ng	340004	Phenanthrene-d10	17.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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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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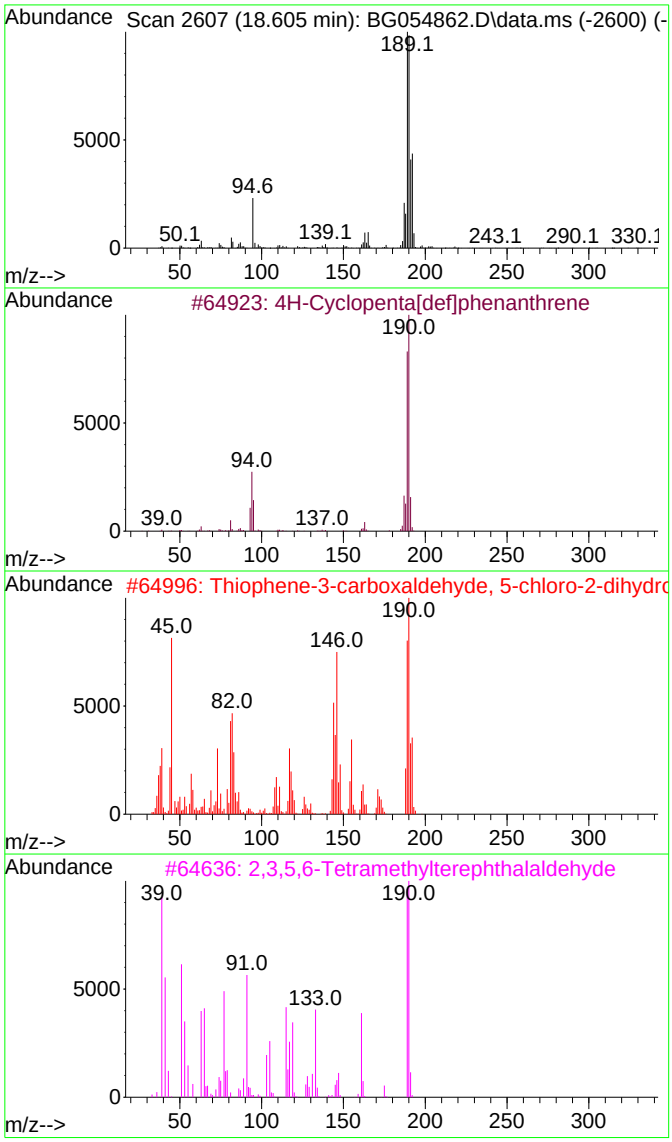
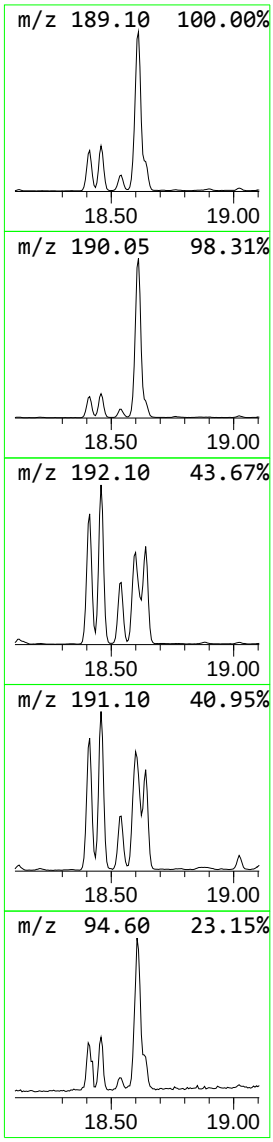
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.605	52.07 ng	1718700	Phenanthrene-d10	17.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40





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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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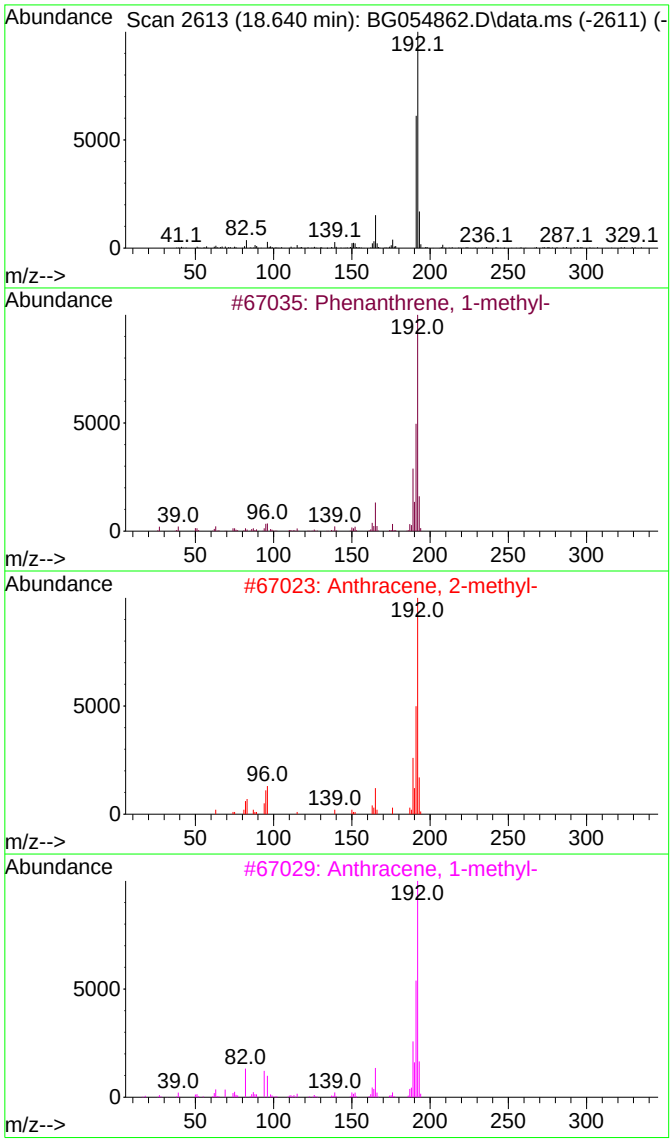
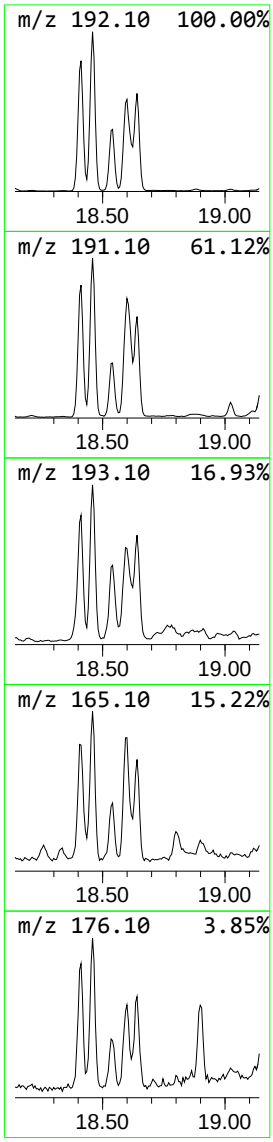
Peak Number 15 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.640	13.11 ng	432650	Phenanthrene-d10	17.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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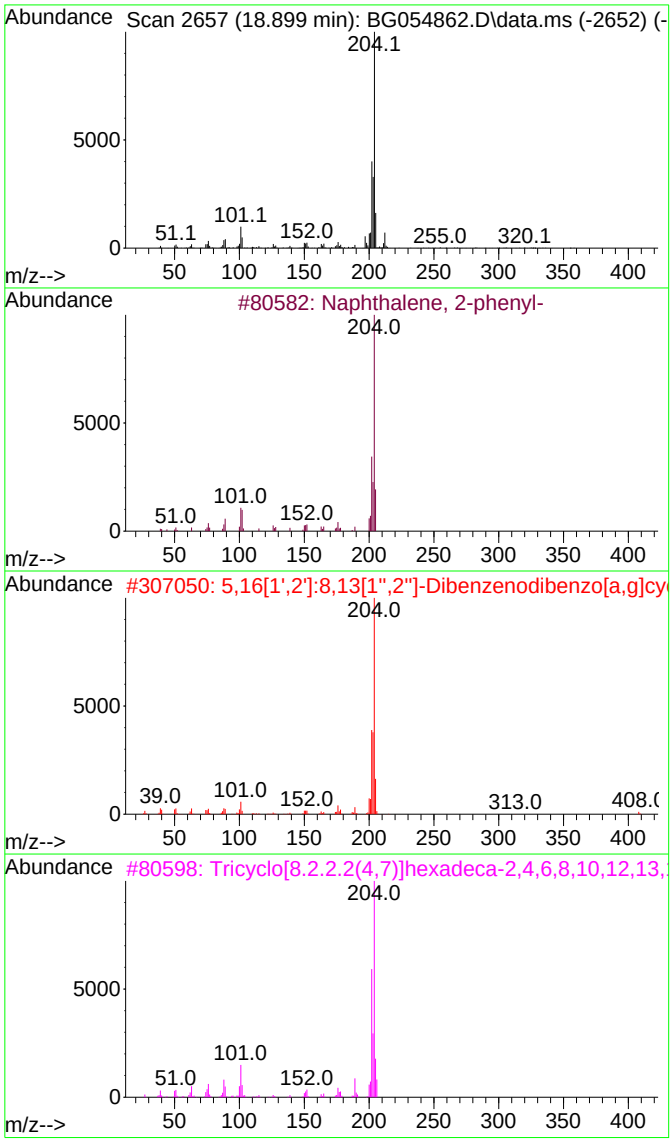
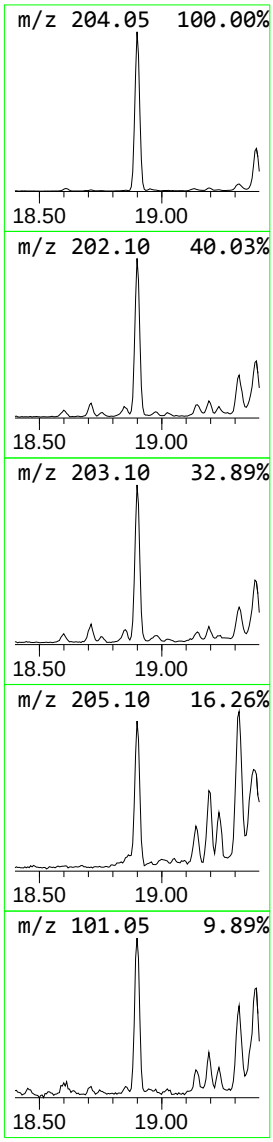
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.899	14.33 ng	473154	Phenanthrene-d10	17.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
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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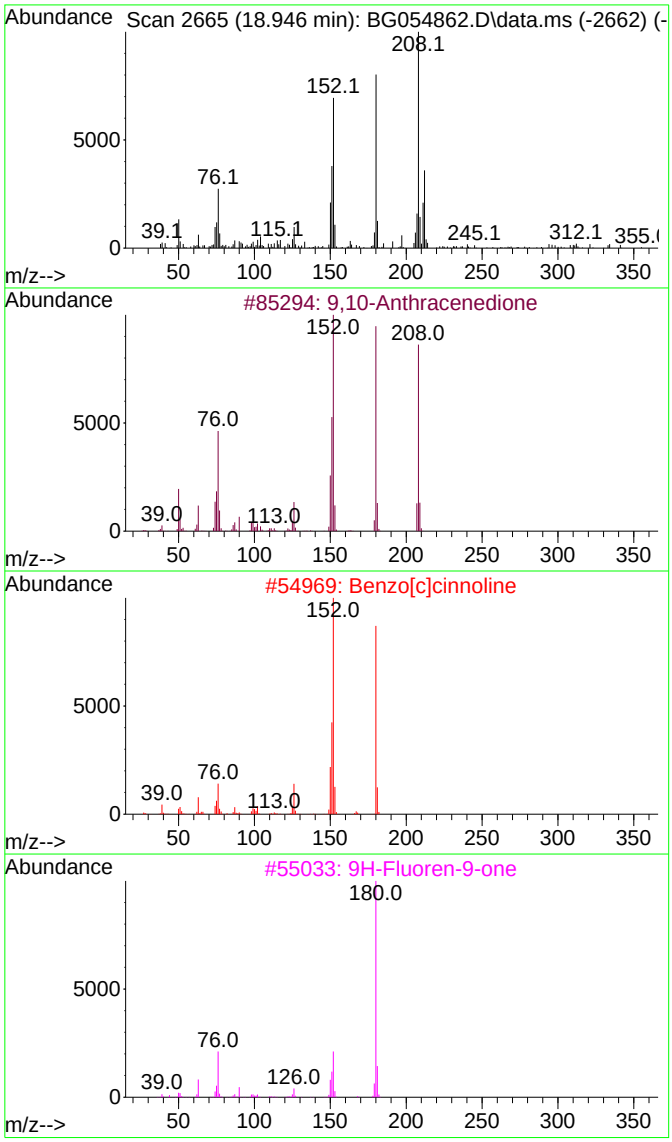
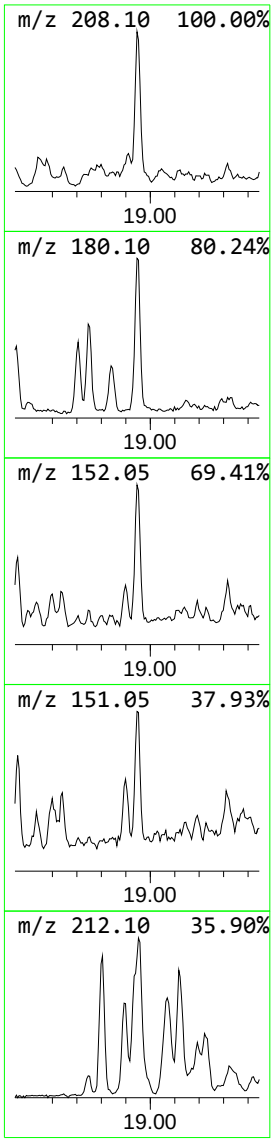
Peak Number 17 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.946	5.72 ng	188782	Phenanthrene-d10	17.536

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	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	46





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Data File : BG054862.D
Acq On : 6 Sep 2022 22:06
Operator : CG/JU
Sample : N4498-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-090222

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.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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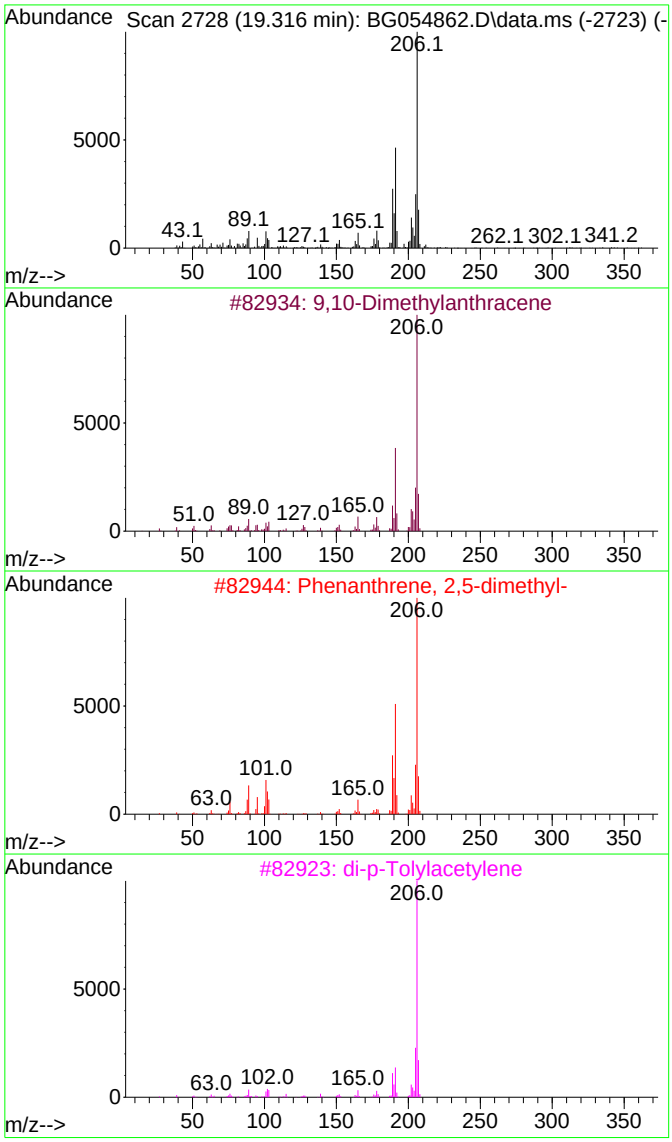
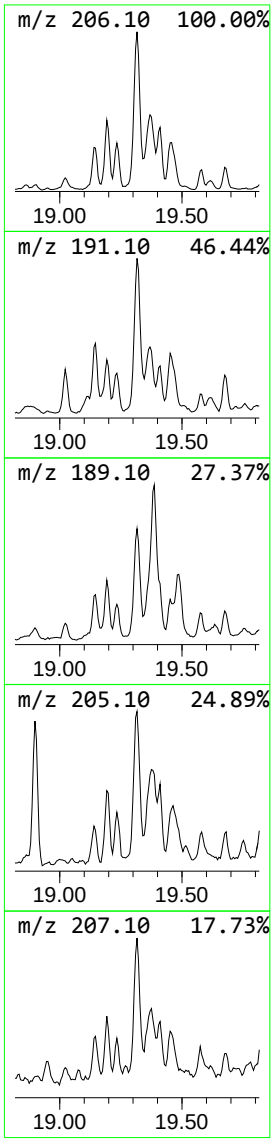
Peak Number 18 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.316	19.21 ng	634102	Phenanthrene-d10	17.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
Data File : BG054862.D
Acq On : 6 Sep 2022 22:06
Operator : CG/JU
Sample : N4498-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-090222

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.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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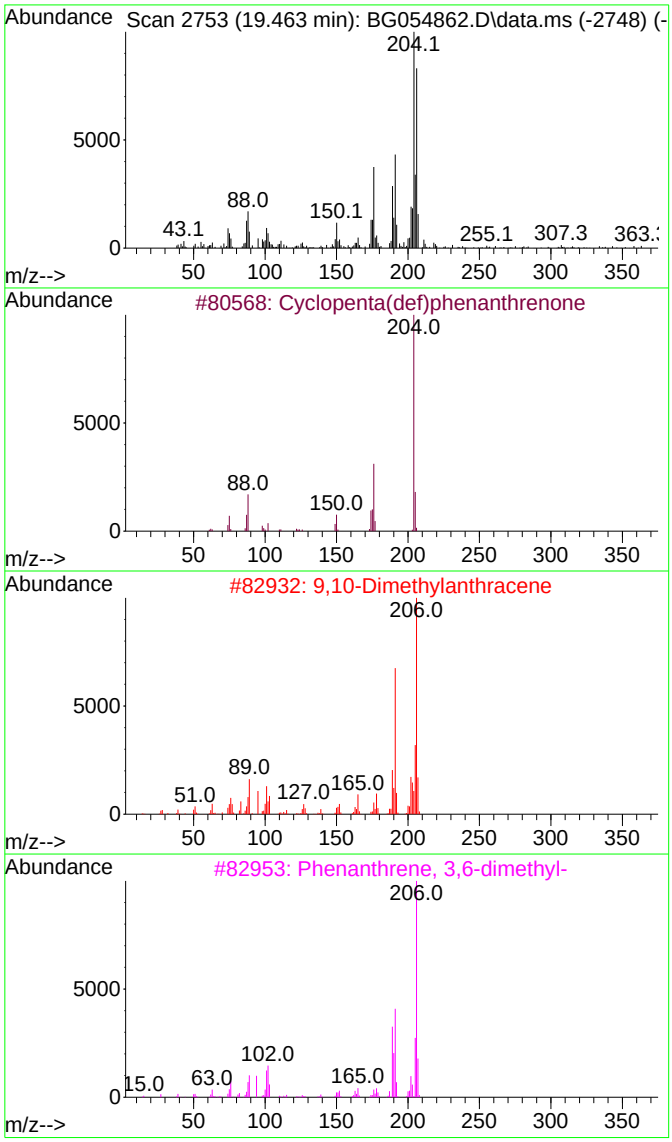
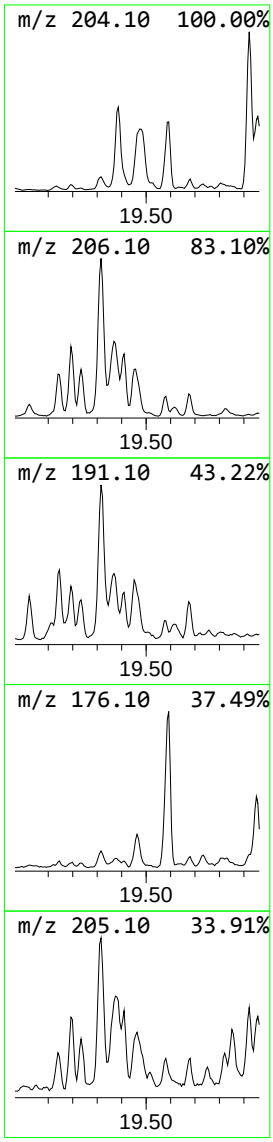
Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.463	13.28 ng	438413	Phenanthrene-d10	17.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	49
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
Data File : BG054862.D
Acq On : 6 Sep 2022 22:06
Operator : CG/JU
Sample : N4498-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-090222

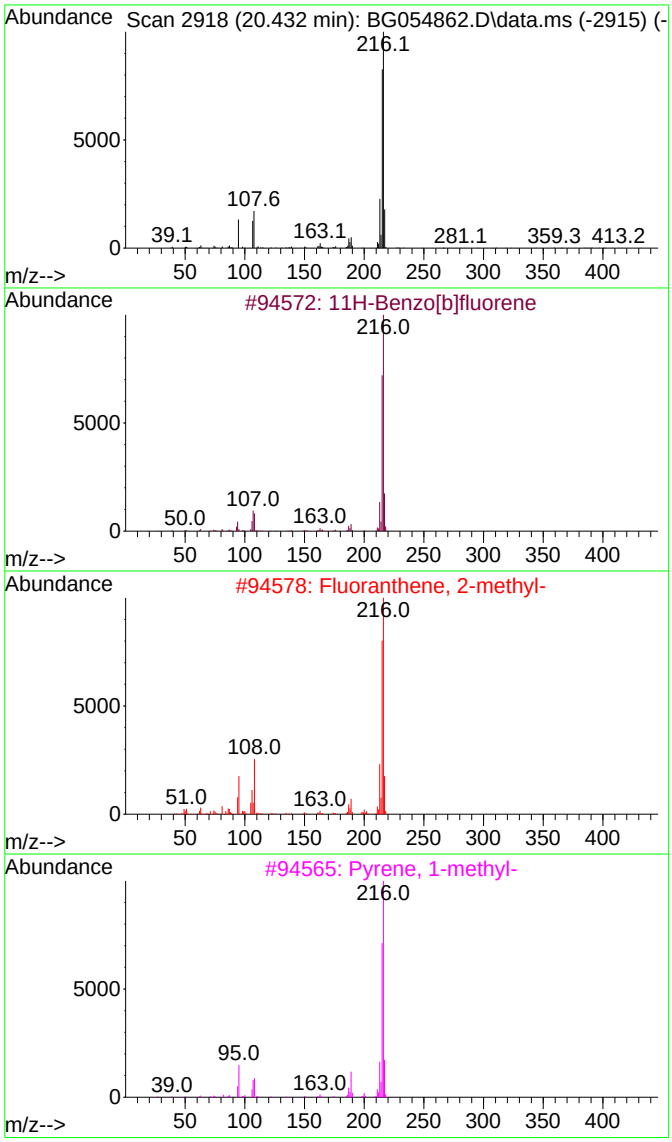
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

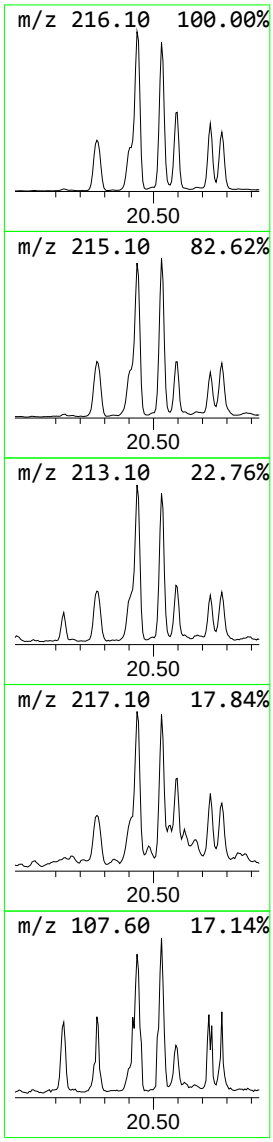
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.432	5.88 ng	951026	Chrysene-d12	21.837

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
Data File : BG054862.D
Acq On : 6 Sep 2022 22:06
Operator : CG/JU
Sample : N4498-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-090222

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.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-...	5.215	36.2	ng	514829	1	8.153	284701	20.0
Ethanol, 2-(2-b...	10.726	8.2	ng	173479	2	10.979	422272	20.0
Naphthalene, 1,...	13.958	7.0	ng	191884	3	14.786	545748	20.0
Naphthalene, 2,...	14.105	7.8	ng	212435	3	14.786	545748	20.0
Naphthalene, 1,...	15.391	5.7	ng	154084	3	14.786	545748	20.0
[1,1'-Biphenyl]...	16.120	7.7	ng	210941	3	14.786	545748	20.0
1(2H)-Acenaphth...	16.502	5.3	ng	176414	4	17.536	660159	20.0
9H-Fluorene, 1-...	16.831	9.9	ng	326689	4	17.536	660159	20.0
Dibenzothiophene	17.354	9.8	ng	324295	4	17.536	660159	20.0
1-Methyldibenzo...	18.118	6.0	ng	199739	4	17.536	660159	20.0
Phenanthrene, 1...	18.411	23.9	ng	788231	4	17.536	660159	20.0
Phenanthrene, 2...	18.458	27.7	ng	915795	4	17.536	660159	20.0
Anthracene, 1-m...	18.541	10.3	ng	340004	4	17.536	660159	20.0
4H-Cyclopenta[d...	18.605	52.1	ng	1718700	4	17.536	660159	20.0
Anthracene, 2-m...	18.640	13.1	ng	432650	4	17.536	660159	20.0
Naphthalene, 2-...	18.899	14.3	ng	473154	4	17.536	660159	20.0
9,10-Anthracene...	18.946	5.7	ng	188782	4	17.536	660159	20.0
9,10-Dimethylan...	19.316	19.2	ng	634102	4	17.536	660159	20.0
Cyclopenta(def)...	19.463	13.3	ng	438413	4	17.536	660159	20.0
11H-Benzo[b]flu...	20.432	5.9	ng	951026	5	21.837	3235960	20.0