LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041053.D
Acq On : 4 Jun 2019 3:01
Operator : HP/JU
Sample : K2641-21 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-053119-E

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-BG052919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.130	3	7	17	rBV4	57925	149984	4.88%	0.406%
2	3.212	17	21	34	rVB	128109	243093	7.90%	0.658%
3	5.662	431	438	446	rBV	484389	820093	26.66%	2.221%
4	7.272	700	712	725	rBV	530704	954080	31.02%	2.584%
5	7.654	770	777	784	rBV	518223	909771	29.58%	2.464%
6	8.130	851	858	866	rBV	292094	503708	16.38%	1.364%
7	8.453	906	913	921	rBV	391552	681767	22.17%	1.847%
8	9.305	1050	1058	1068	rBV	315369	581956	18.92%	1.576%
9	10.950	1330	1338	1343	rBV	375578	680429	22.12%	1.843%
10	11.003	1343	1347	1352	rVB	56885	94078	3.06%	0.255%
11	12.595	1613	1618	1626	rBV	89667	145998	4.75%	0.395%
12	12.813	1649	1655	1662	rVB	110257	189017	6.15%	0.512%
13	13.377	1744	1751	1761	rVB	745761	1142321	37.14%	3.094%
14	13.541	1772	1779	1783	rBV5	16961	32833	1.07%	0.089%
15	13.588	1783	1787	1795	rVV2	35885	60396	1.96%	0.164%
16	13.929	1833	1845	1853	rBV4	76111	218105	7.09%	0.591%
17	14.076	1864	1870	1875	rBV	134914	250474	8.14%	0.678%
18	14.129	1875	1879	1883	rVV2	81263	133334	4.34%	0.361%
19	14.193	1887	1890	1897	rVB	66244	97301	3.16%	0.264%
20	14.311	1902	1910	1914	rBV2	69211	120151	3.91%	0.325%
21	14.481	1934	1939	1945	rBV3	77041	141108	4.59%	0.382%
22	14.722	1974	1980	1981	rBV2	41372	62841	2.04%	0.170%
23	14.757	1981	1986	1992	rVV2	551929	896904	29.16%	2.429%
24	14.822	1992	1997	2003	rVV	322462	513182	16.69%	1.390%
25	14.887	2004	2008	2014	rVB2	20452	40048	1.30%	0.108%
26	14.963	2014	2021	2029	rBV4	41206	105914	3.44%	0.287%
27	15.063	2035	2038	2042	rVV3	23976	37245	1.21%	0.101%
28	15.151	2042	2053	2059	rVV2	221220	408652	13.29%	1.107%
29	15.222	2059	2065	2071	rVB	69925	110325	3.59%	0.299%
30	15.363	2082	2089	2094	rBV3	65752	129931	4.22%	0.352%
31	15.410	2094	2097	2103	rVB	48393	65944	2.14%	0.179%
32	15.533	2111	2118	2120	rBV4	42277	92026	2.99%	0.249%
33	15.562	2121	2123	2127	rVB3	35489	46936	1.53%	0.127%
34	15.703	2144	2147	2151	rVB2	35331	45922	1.49%	0.124%

LSC Area Percent Report

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Sample : K2641-21 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-053119-E

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-BG052919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.803	2157	2164	2175	rVB	487426	776059	25.23%	2.102%
36	15.891	2175	2179	2181	rBV2	34176	46745	1.52%	0.127%
37	15.927	2181	2185	2187	rVV3	60268	95715	3.11%	0.259%
38	15.962	2187	2191	2195	rVV4	73862	124378	4.04%	0.337%
39	16.009	2195	2199	2202	rVV3	33671	53867	1.75%	0.146%
40	16.056	2203	2207	2209	rVV3	34282	59859	1.95%	0.162%
41	16.091	2209	2213	2220	rVB	82109	141570	4.60%	0.383%
42	16.244	2230	2239	2245	rBV	682860	1120130	36.42%	3.034%
43	16.438	2266	2272	2275	rBV7	36579	75802	2.46%	0.205%
44	16.596	2294	2299	2303	rBV3	36744	60789	1.98%	0.165%
45	16.802	2323	2334	2338	rBV3	117465	279043	9.07%	0.756%
46	16.849	2338	2342	2347	rVV2	79404	119076	3.87%	0.323%
47	16.949	2356	2359	2364	rVB2	59796	81808	2.66%	0.222%
48	17.019	2364	2371	2375	rBV3	41062	91530	2.98%	0.248%
49	17.160	2390	2395	2399	rVB4	31705	56313	1.83%	0.153%
50	17.219	2401	2405	2410	rBV3	28911	65538	2.13%	0.178%
51	17.325	2418	2423	2429	rVB	182617	273976	8.91%	0.742%
52	17.507	2448	2454	2457	rBV	666472	1030167	33.49%	2.790%
53	17.548	2457	2461	2467	rVV	2019025	2978990	96.86%	8.069%
54	17.636	2471	2476	2482	rVV	579181	844779	27.47%	2.288%
55	17.689	2482	2485	2490	rVB2	61013	92099	2.99%	0.249%
56	17.907	2517	2522	2527	rBV	143136	239469	7.79%	0.649%
57	18.018	2537	2541	2544	rBV	58891	81447	2.65%	0.221%
58	18.083	2548	2552	2558	rVB	119224	186038	6.05%	0.504%
59	18.230	2572	2577	2583	rVB	87286	163703	5.32%	0.443%
60	18.377	2595	2602	2606	rBV	365764	613012	19.93%	1.660%
61	18.424	2606	2610	2616	rVB	425646	652942	21.23%	1.769%
62	18.506	2619	2624	2628	rBV2	157968	231022	7.51%	0.626%
63	18.576	2629	2636	2639	rBV2	537661	1072045	34.86%	2.904%
64	18.864	2681	2685	2689	rBV2	219979	314521	10.23%	0.852%
65	19.158	2732	2735	2738	rBV	111745	127268	4.14%	0.345%
66	19.199	2739	2742	2746	rVB2	79206	97248	3.16%	0.263%
67	19.281	2751	2756	2760	rBV	236596	407776	13.26%	1.104%
68	19.552	2796	2802	2807	rBV	2088978	3075662	100.00%	8.331%
69	19.875	2853	2857	2860	rBV2	323216	588503	19.13%	1.594%
70	19.916	2860	2864	2870	rVV	1868819	2759178	89.71%	7.473%
71	19.975	2871	2874	2879	rVB	161286	212835	6.92%	0.576%

LSC Area Percent Report

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Acq On : 4 Jun 2019 3:01
Operator : HP/JU
Sample : K2641-21 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-053119-E

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-BG052919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.098	2890	2895	2899	rBV	1027505	1340993	43.60%	3.632%
73	20.398	2943	2946	2953	rVB	491578	602591	19.59%	1.632%
74	20.498	2959	2963	2967	rBV	413190	548276	17.83%	1.485%
75	20.697	2994	2997	3000	rBV	169605	203210	6.61%	0.550%
76	20.739	3002	3004	3016	rVB2	217997	369509	12.01%	1.001%
77	21.779	3174	3181	3187	rBV3	991403	2664052	86.62%	7.216%
78	21.837	3188	3191	3204	rVB	695568	1194800	38.85%	3.236%

Sum of corrected areas: 36920200

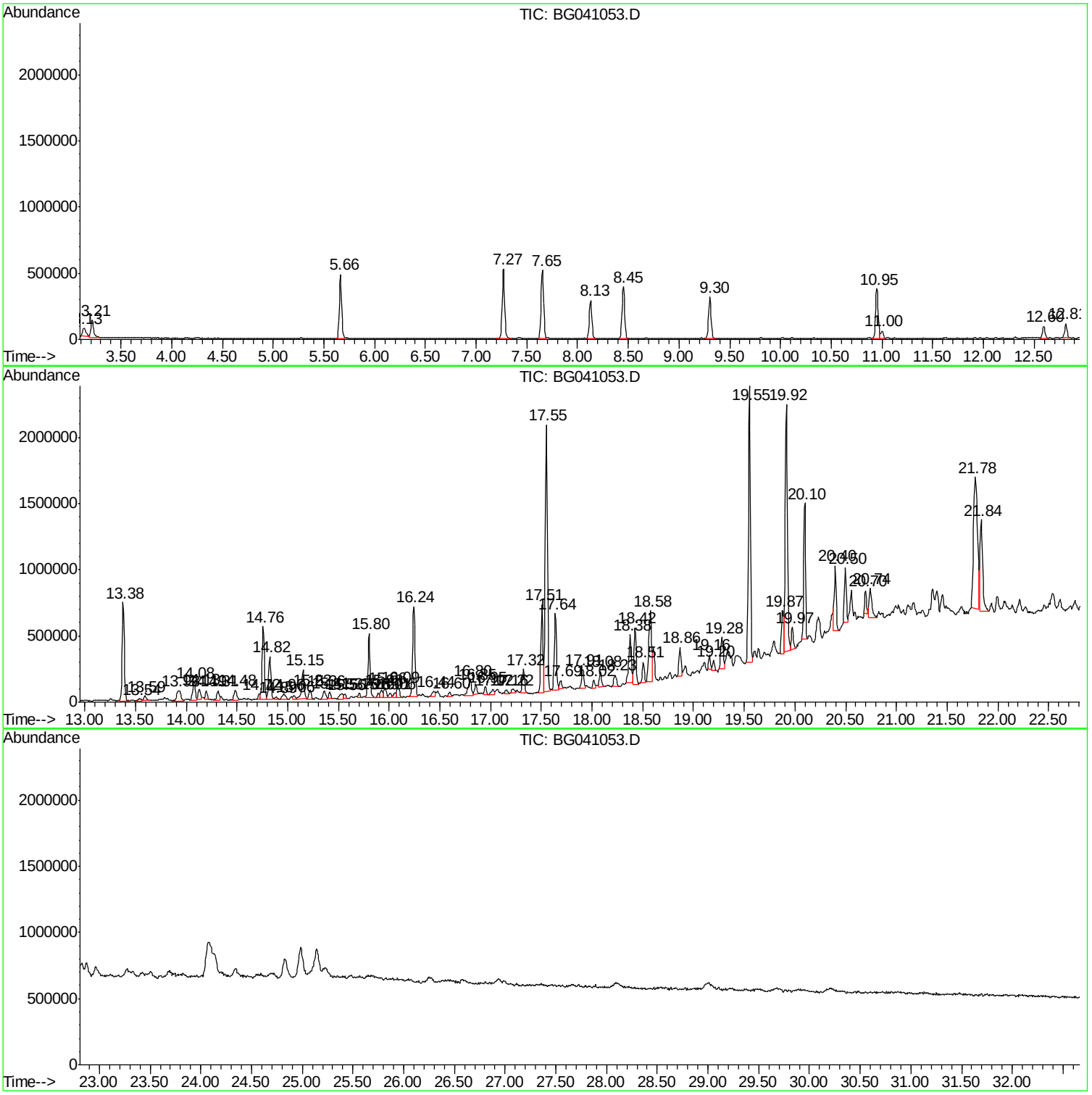
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041053.D
Acq On : 4 Jun 2019 3:01
Operator : HP/JU
Sample : K2641-21 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-053119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041053.D
Acq On : 4 Jun 2019 3:01
Operator : HP/JU
Sample : K2641-21 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-053119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

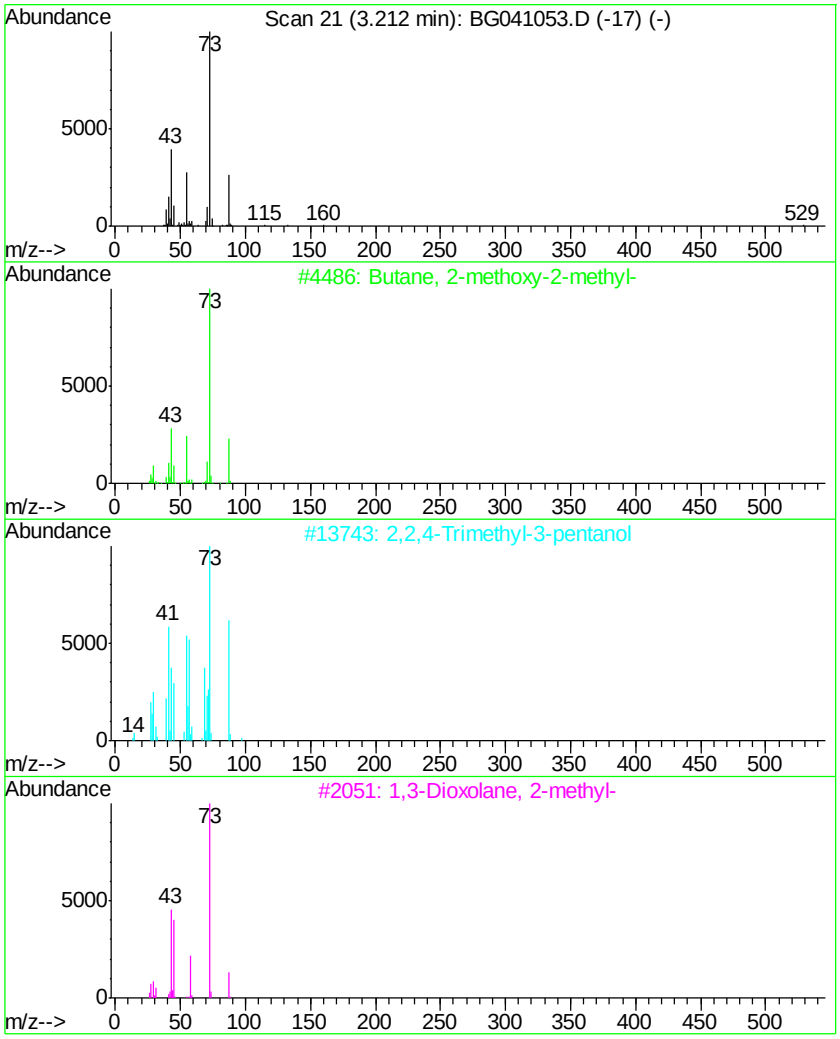
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

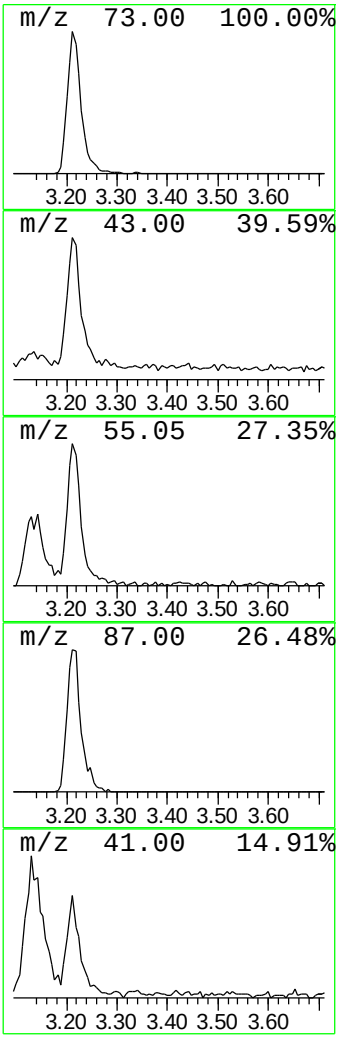
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.21	9.65 ng	243093	1,4-Dichlorobenzene-d4	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	56
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	38
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041053.D
Acq On : 4 Jun 2019 3:01
Operator : HP/JU
Sample : K2641-21 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-053119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

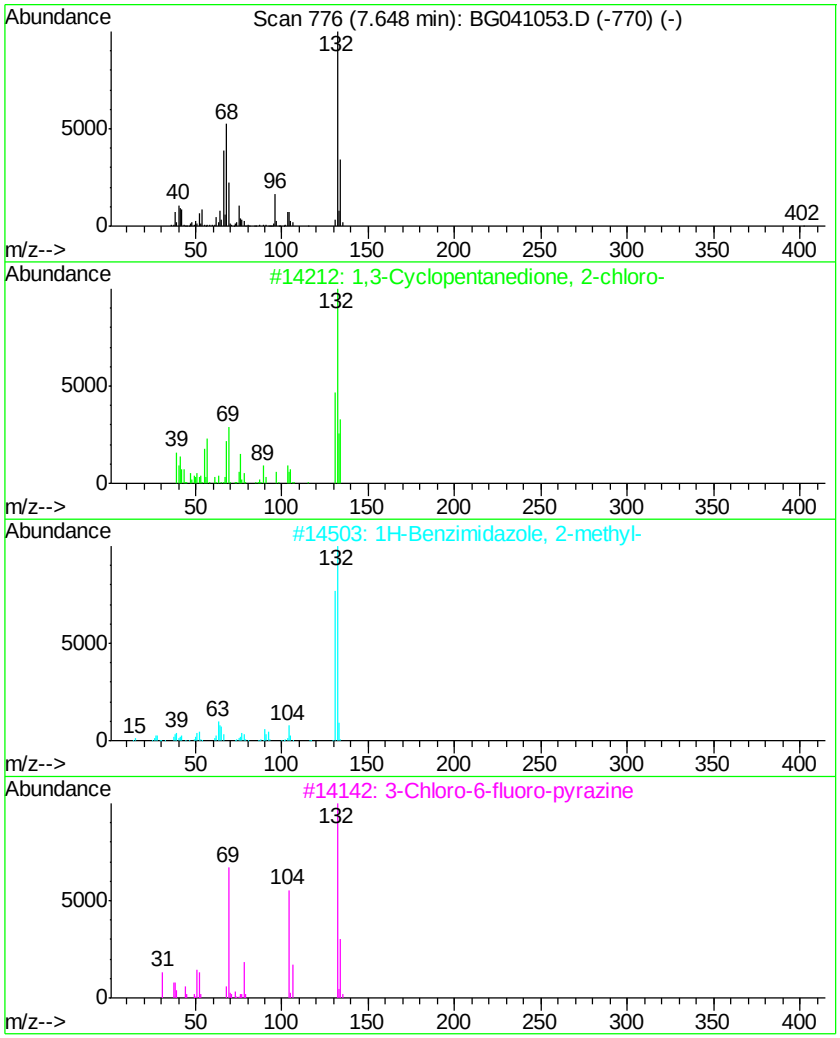
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

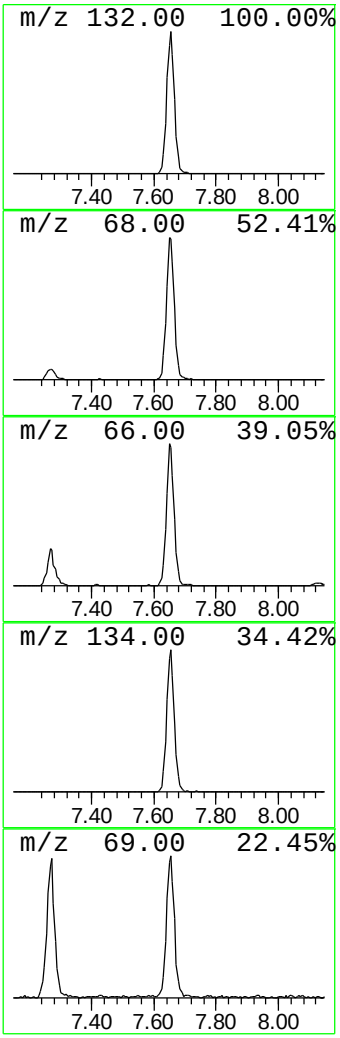
****

Peak Number 3 unknown7.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	36.12 ng	909771	1,4-Dichlorobenzene-d4	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	35
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
4	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	14
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041053.D
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Misc :
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Instrument : BNA_G
ClientSampleId : CL-02-053119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

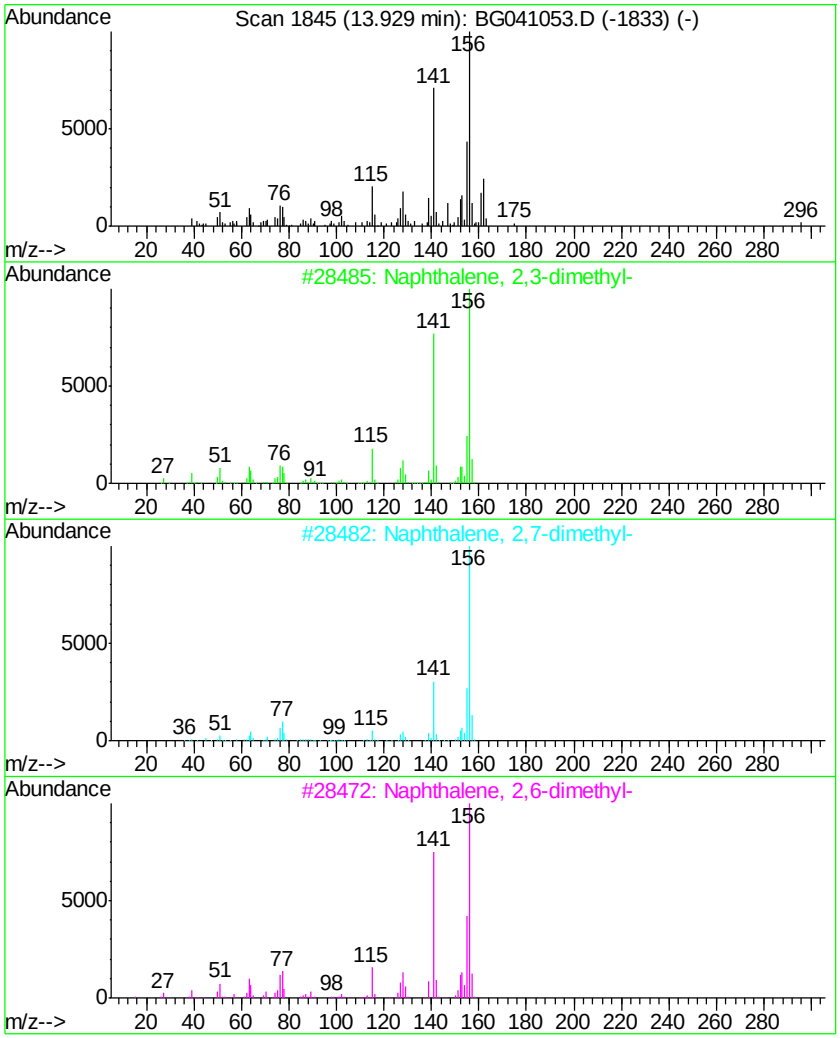
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

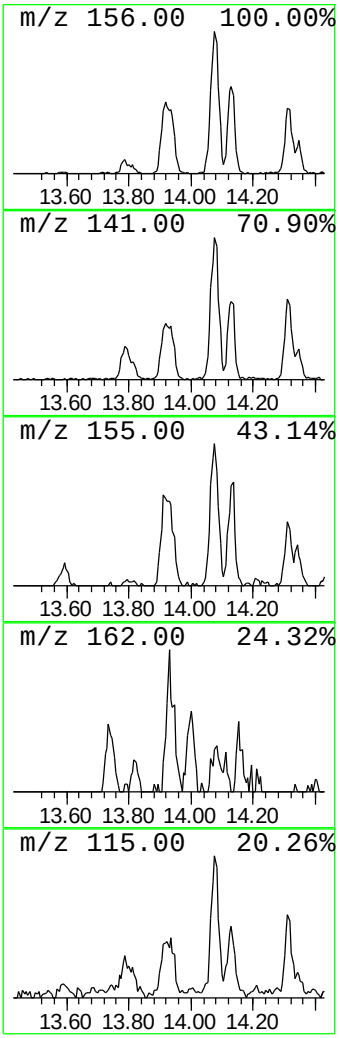
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	4.86 ng	218105	Acenaphthene-d10	14.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	90
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	89
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	89





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Sample : K2641-21 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-053119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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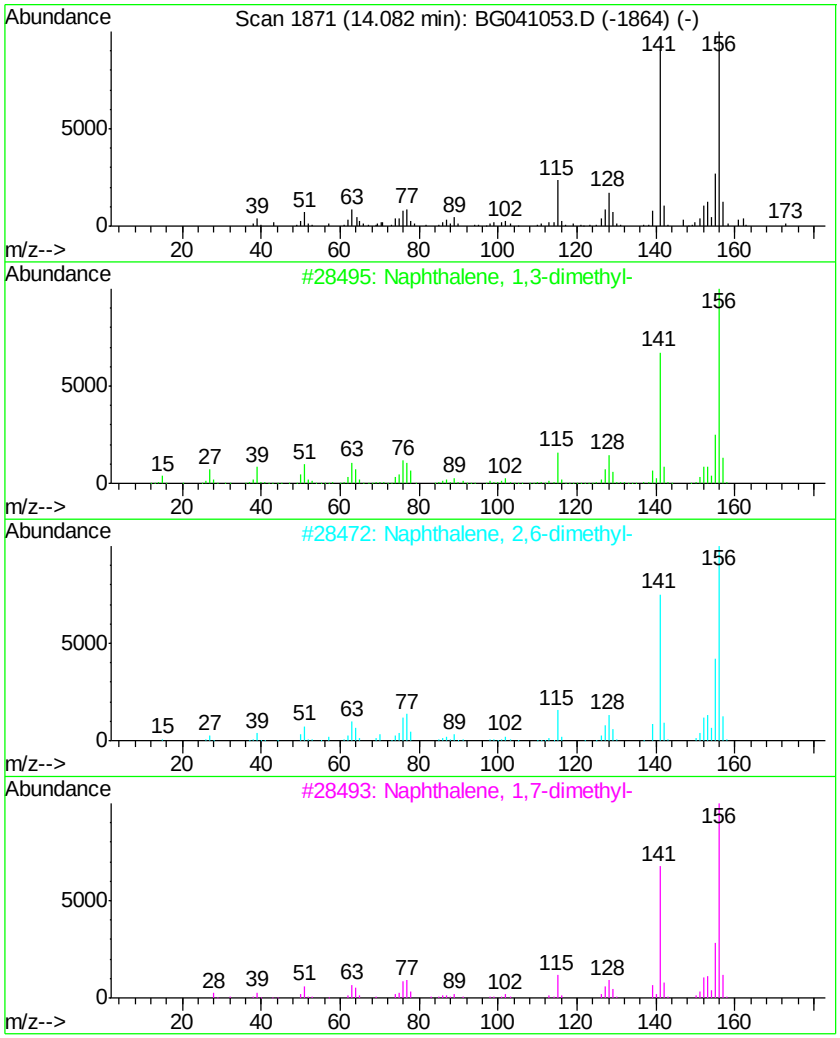
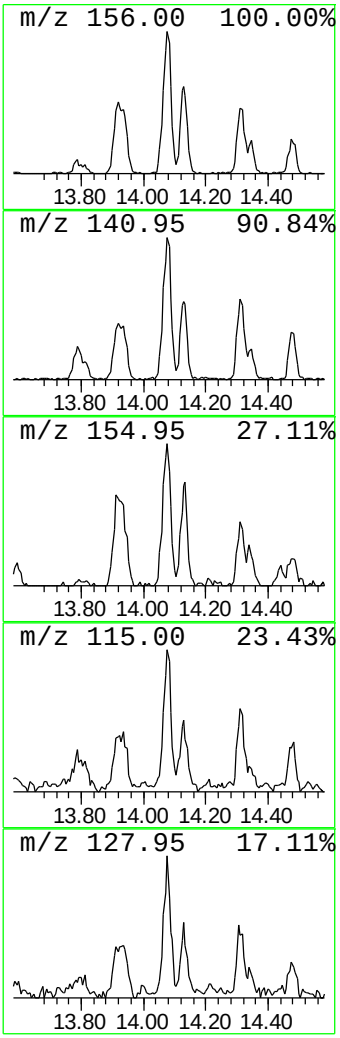
****

Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	5.59 ng	250474	Acenaphthene-d10	14.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041053.D
Acq On : 4 Jun 2019 3:01
Operator : HP/JU
Sample : K2641-21 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-053119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

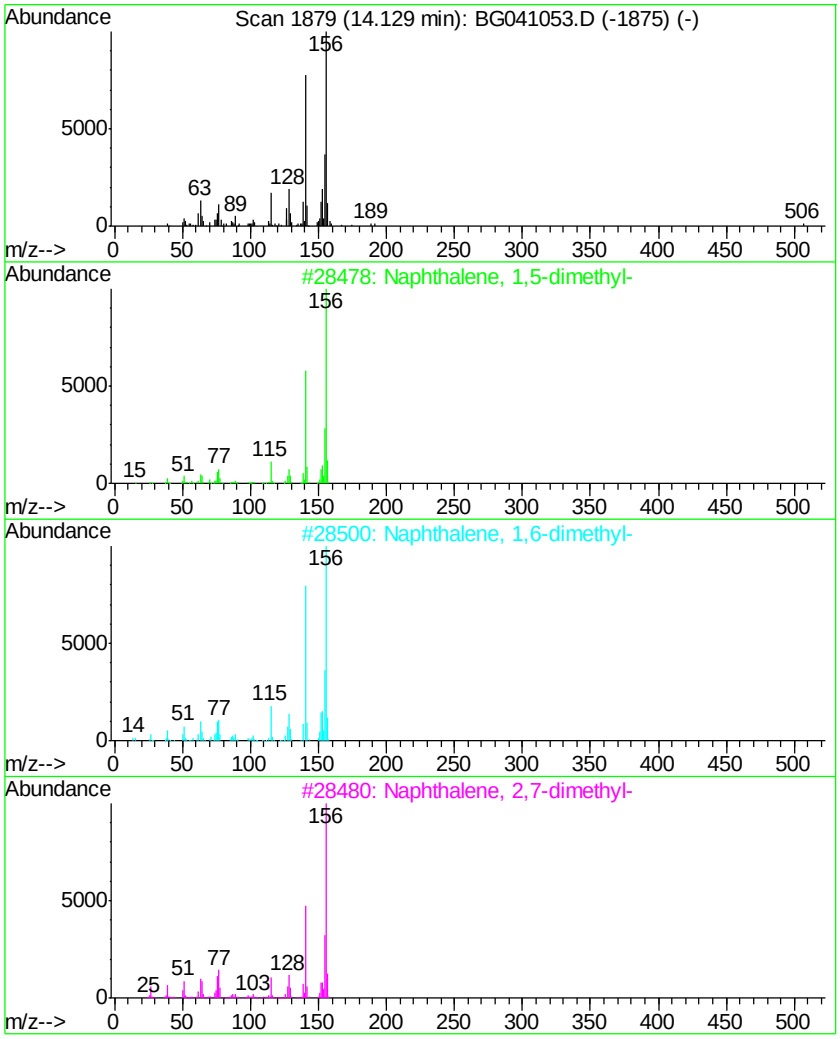
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

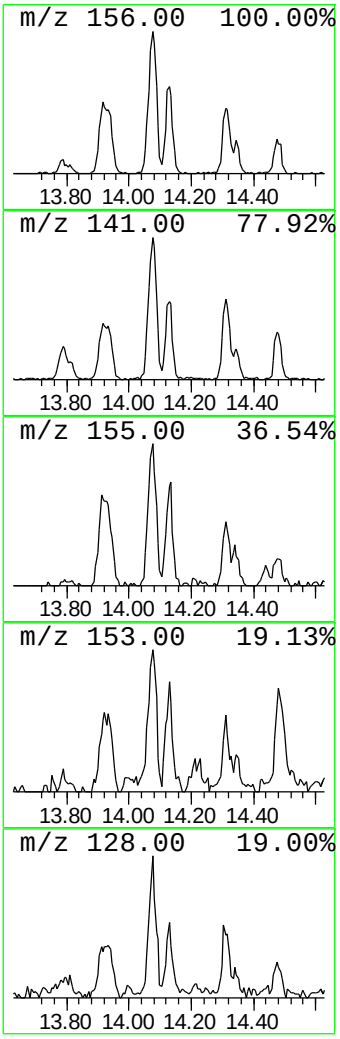
****

Peak Number 7 Naphthalene, 1,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	2.97 ng	133334	Acenaphthene-d10	14.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041053.D
Acq On : 4 Jun 2019 3:01
Operator : HP/JU
Sample : K2641-21 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-053119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

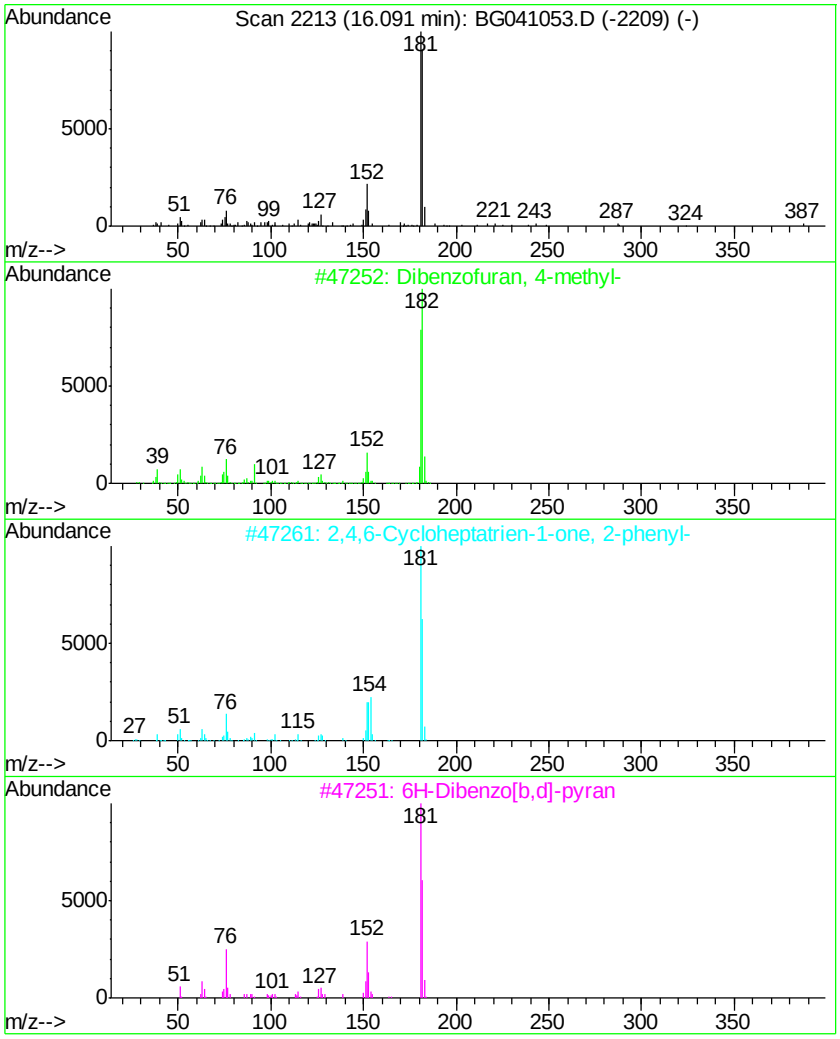
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

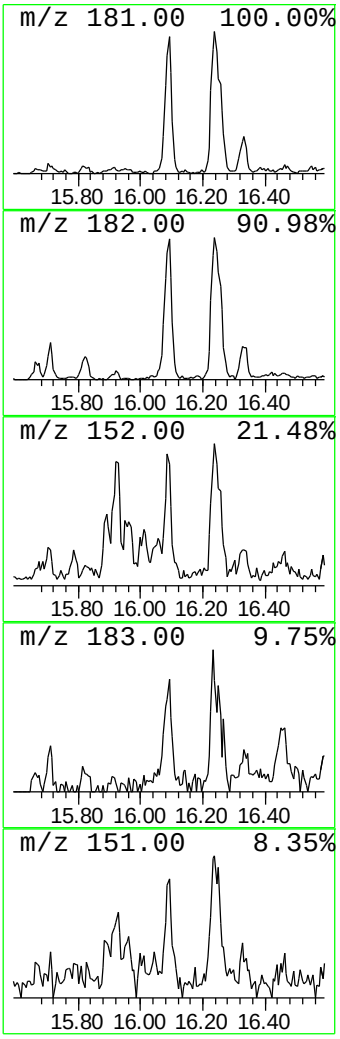
****

Peak Number 8 Dibenzofuran, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	3.16 ng	141570	Acenaphthene-d10	14.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





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Acq On : 4 Jun 2019 3:01
Operator : HP/JU
Sample : K2641-21 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-053119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

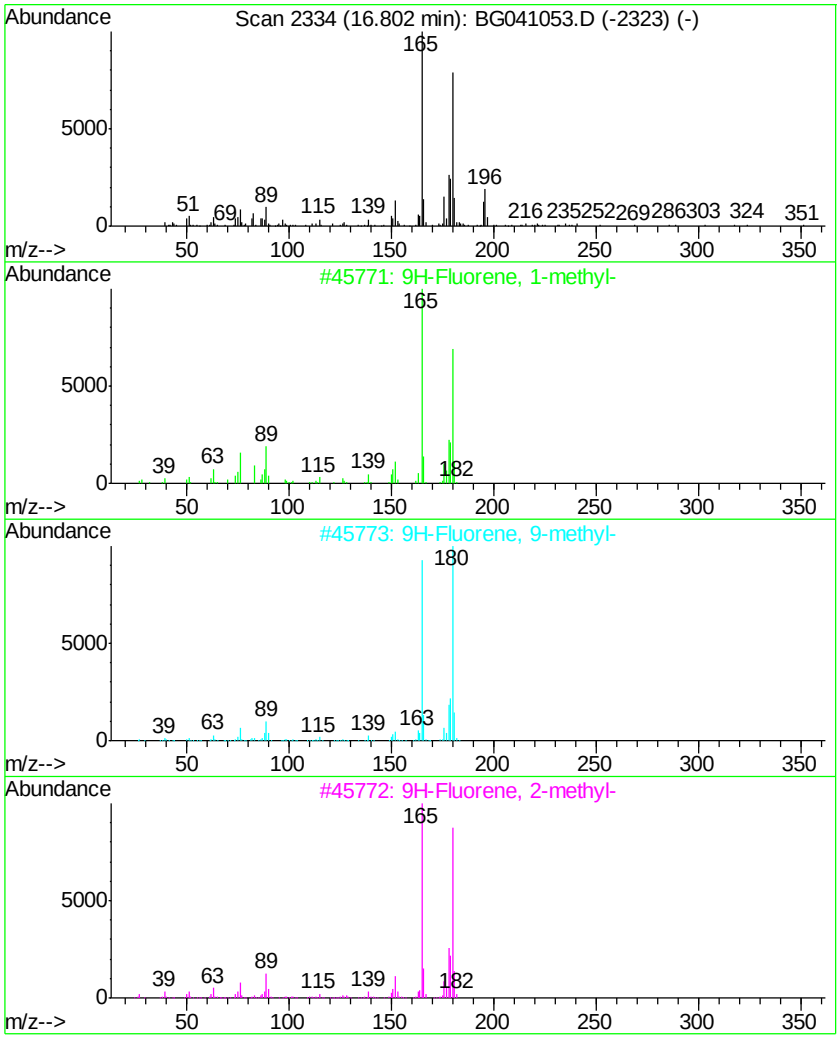
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

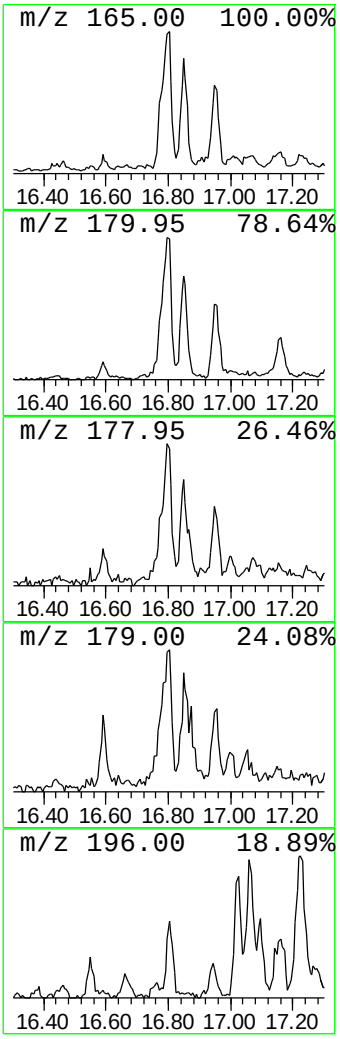
****

Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	5.42 ng	279043	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	74





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Sample : K2641-21 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-053119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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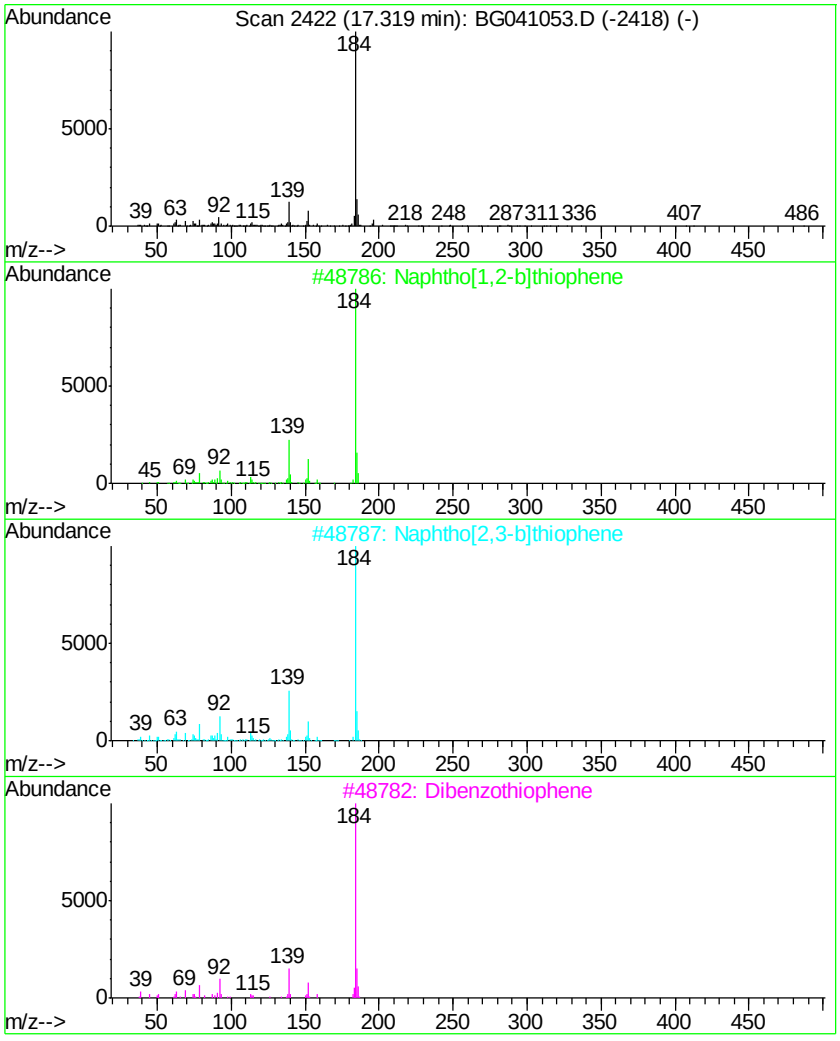
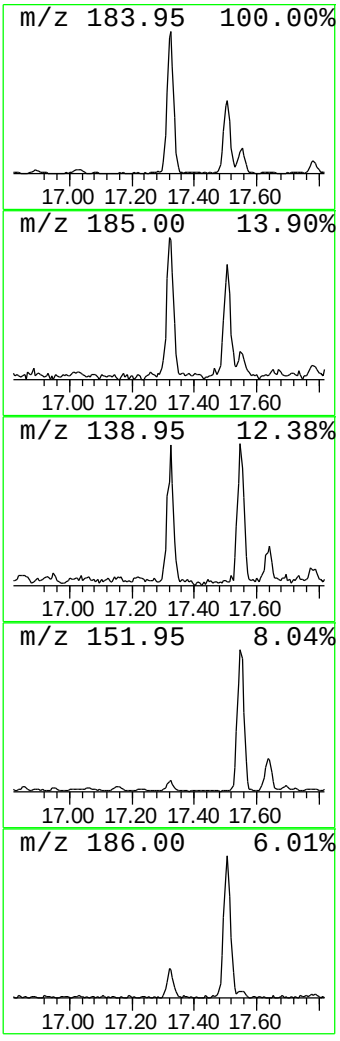
Peak Number 10 Naphtho[1,2-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.32	5.32 ng	273976	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	93





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Instrument : BNA_G
ClientSampleId : CL-02-053119-E

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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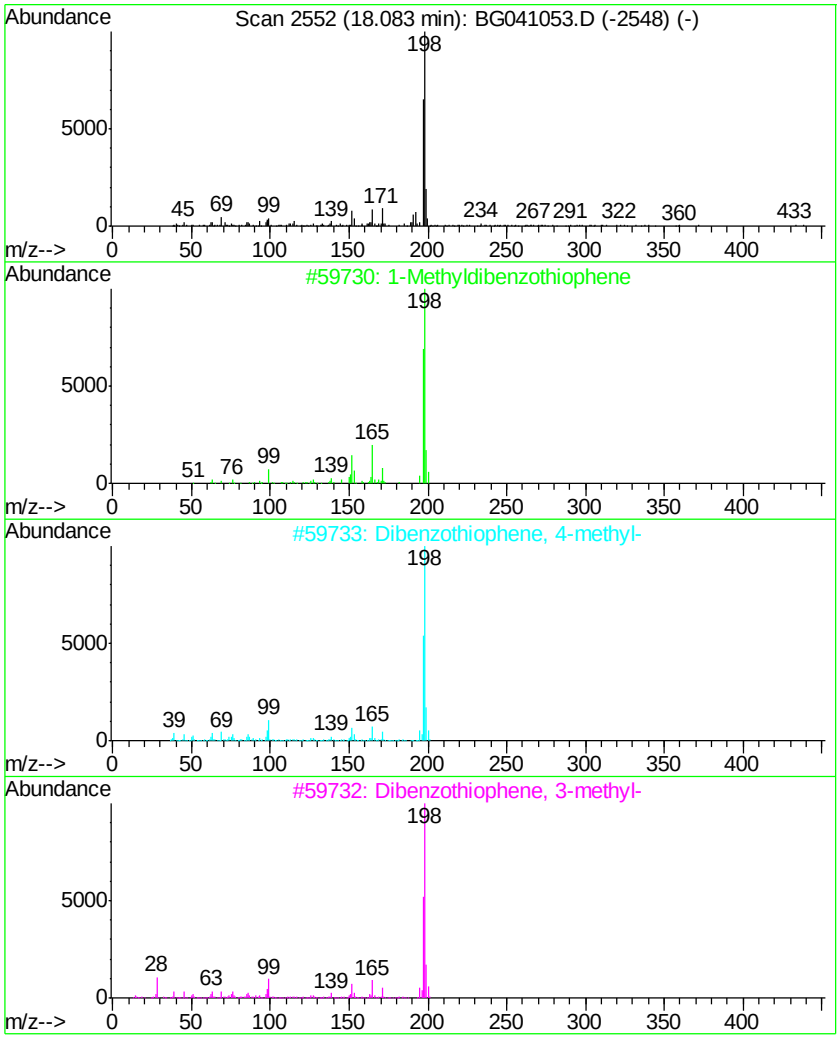
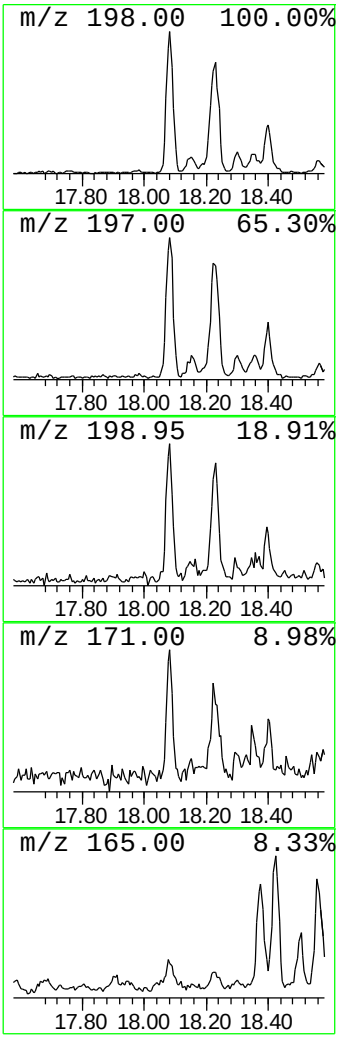
Peak Number 11 1-Methyldibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	3.61 ng	186038	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	81
5	Benzeneacetonitrile, 4-(1,2,3,6-...	198	C13H14N2	1000115-51-2	72





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ClientSampleId : CL-02-053119-E

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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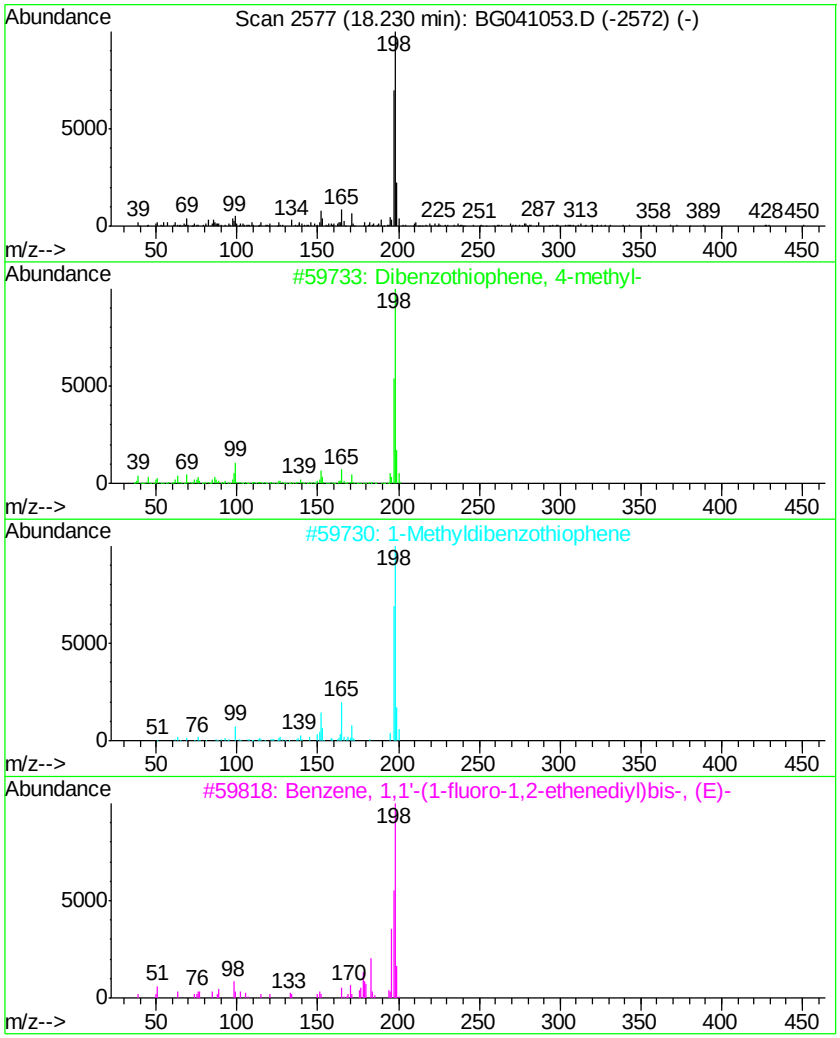
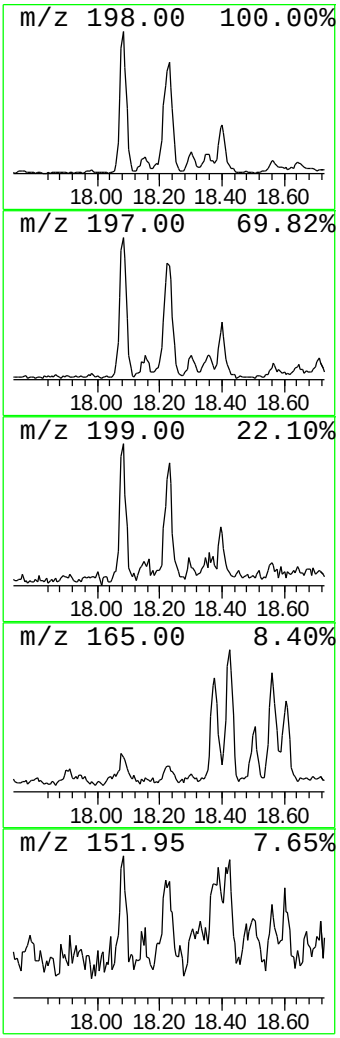
Peak Number 12 Dibenzothiophene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	3.18 ng	163703	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	80
3	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	80
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	70
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





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Misc :
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ClientSampleId : CL-02-053119-E

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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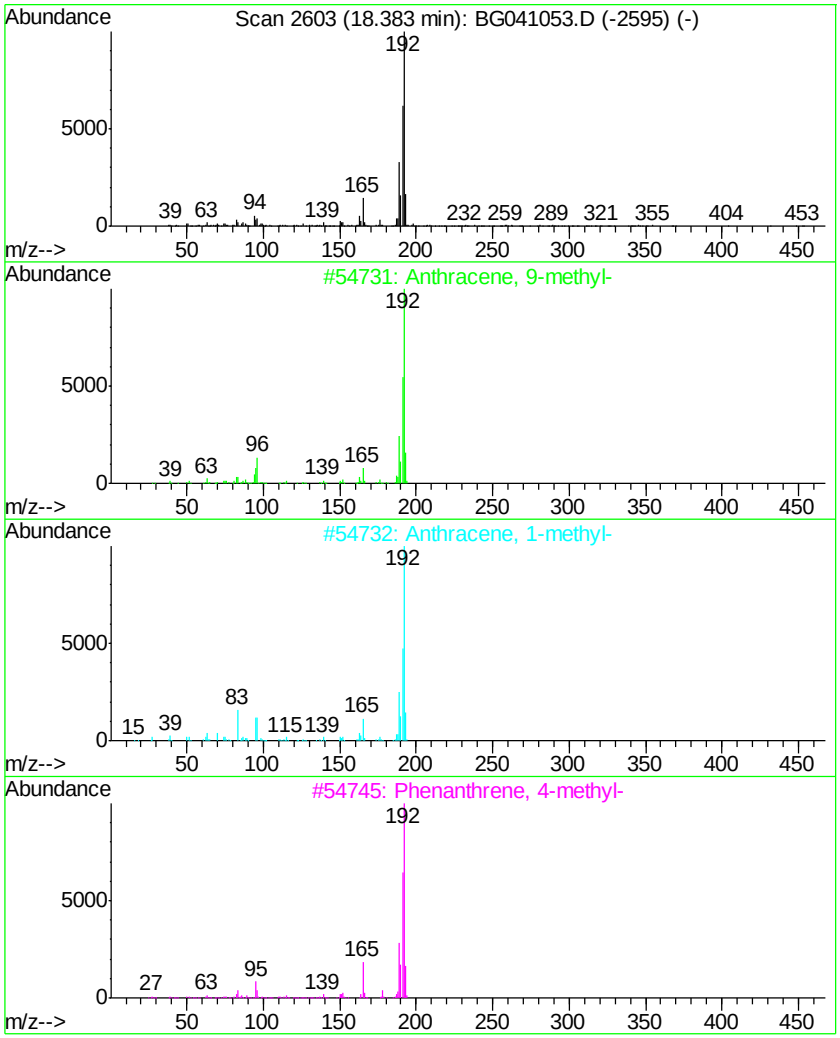
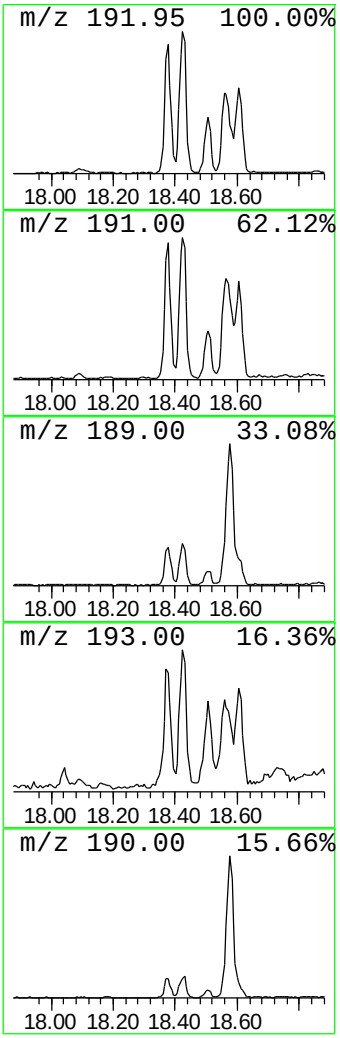
Peak Number 13 Anthracene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	11.90 ng	613012	Phenanthrene-d10	17.51

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





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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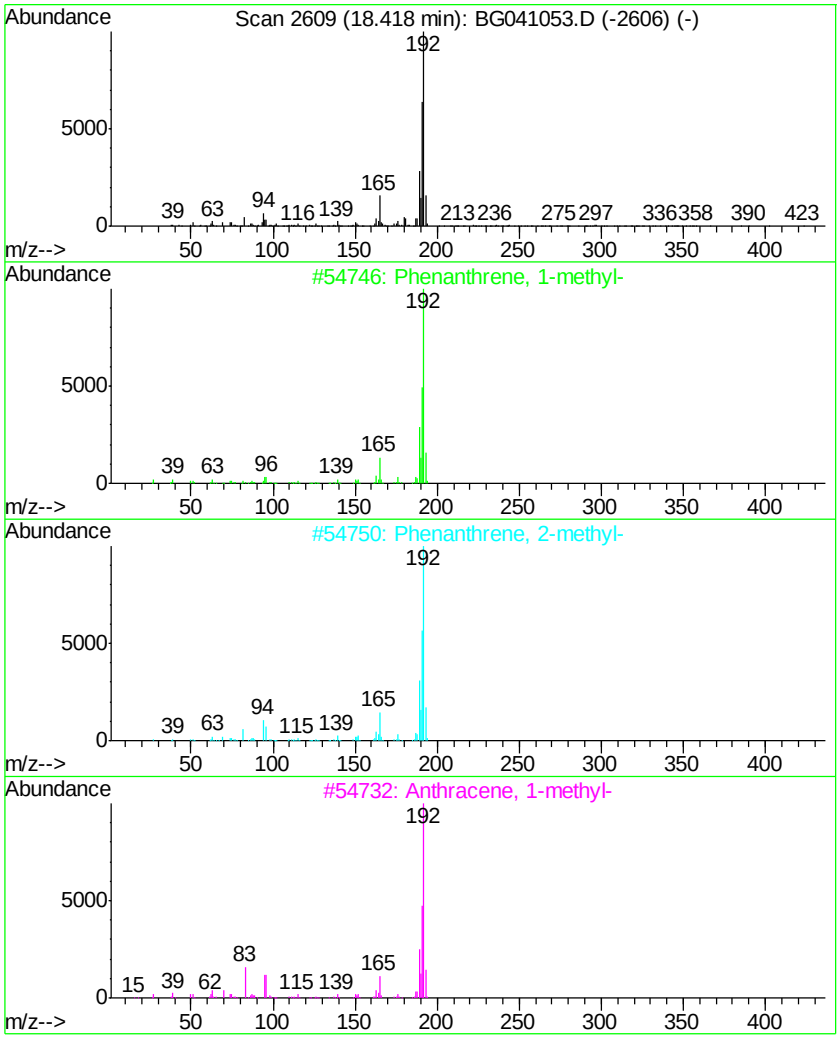
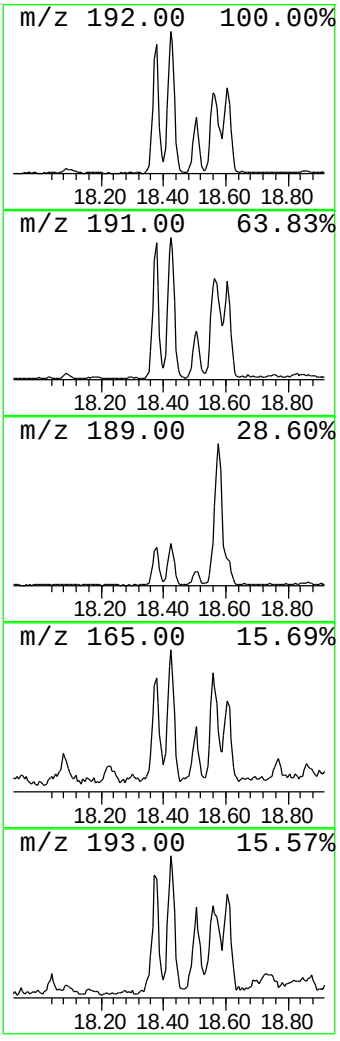
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	12.68 ng	652942	Phenanthrene-d10	17.51

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	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Operator : HP/JU
Sample : K2641-21 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-053119-E

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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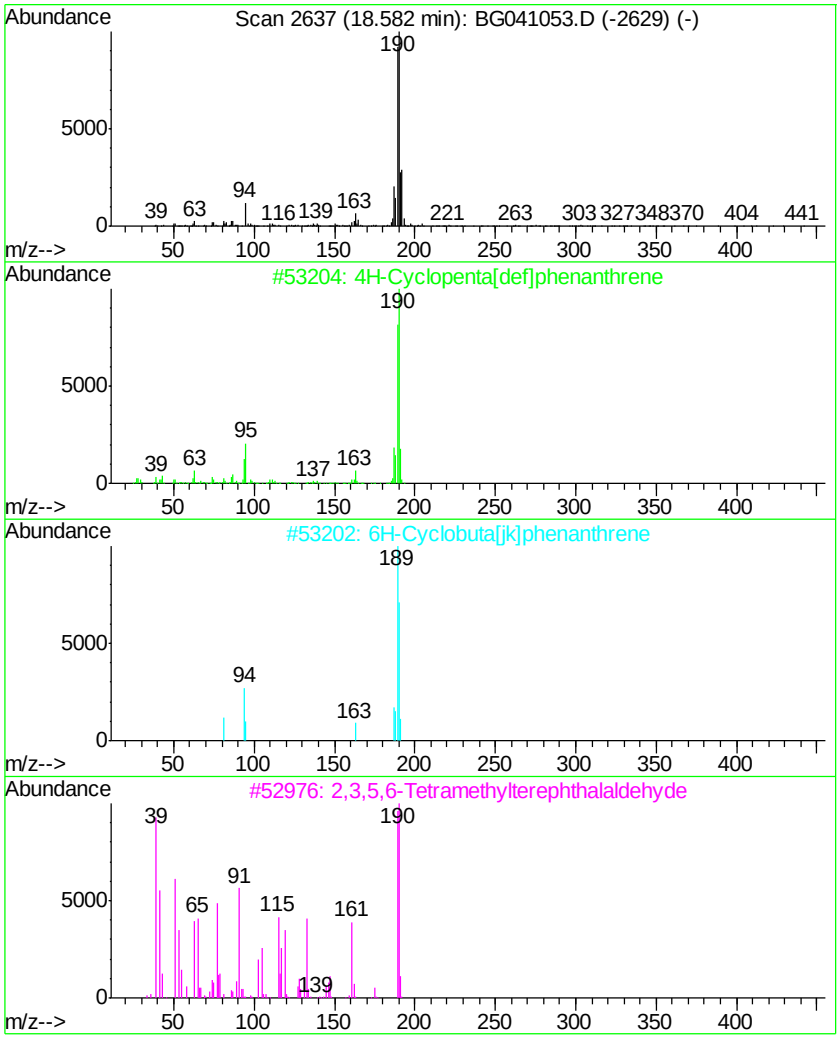
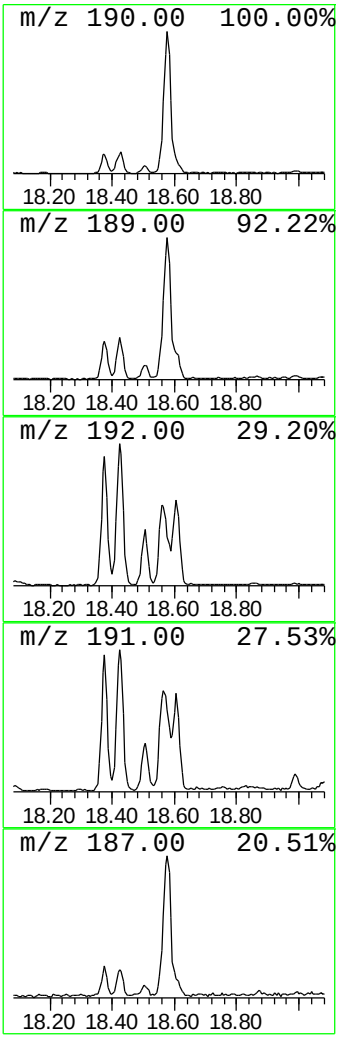
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	20.81 ng	1072050	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	89
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	1-(Phenylethynyl)-1H-1,2,3-benzo...	219	C14H9N3	209912-23-2	17





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Sample : K2641-21 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-053119-E

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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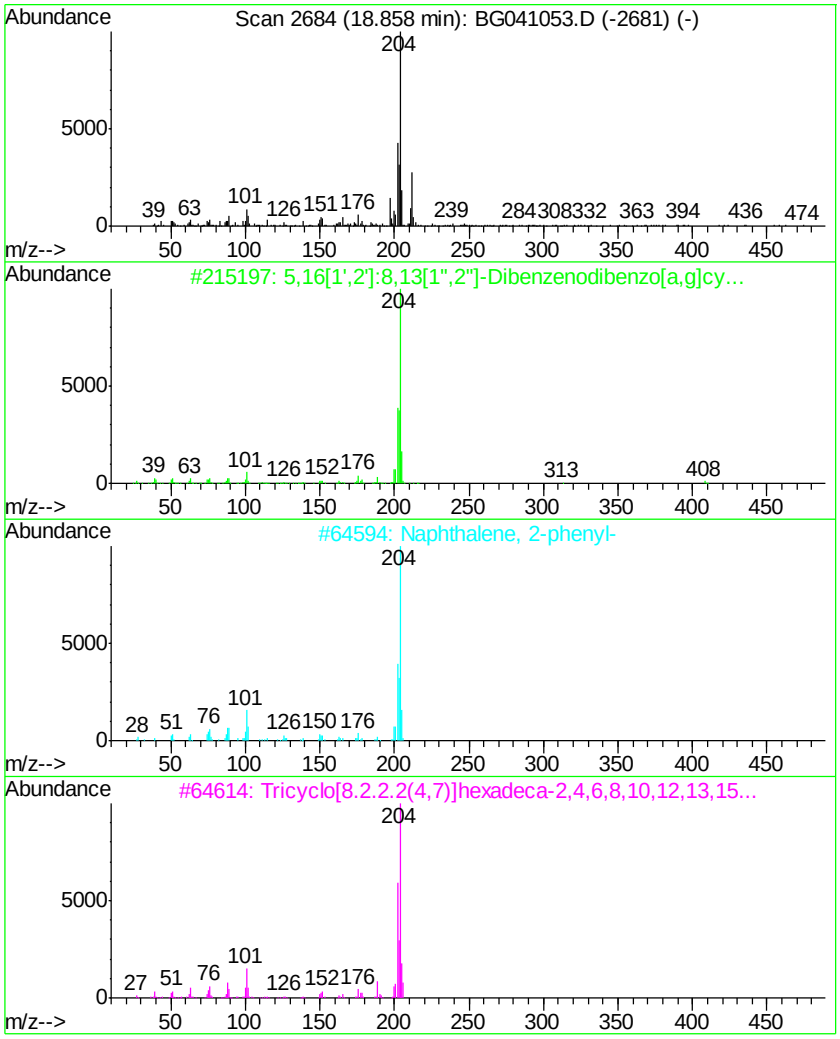
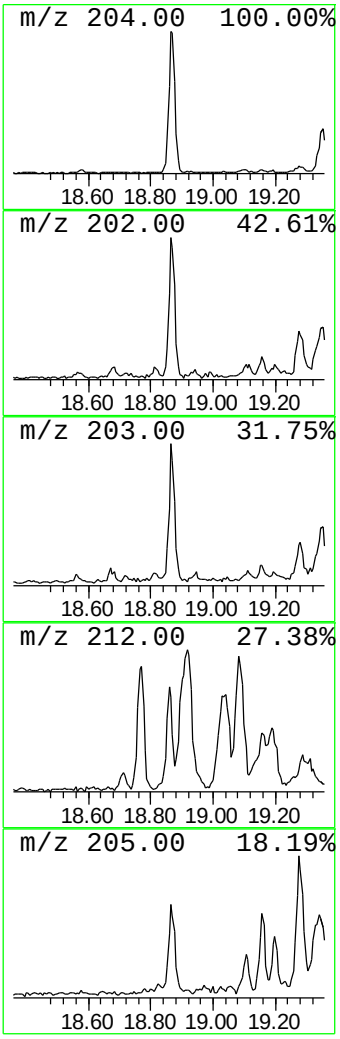
Peak Number 17 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	6.11 ng	314521	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49





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

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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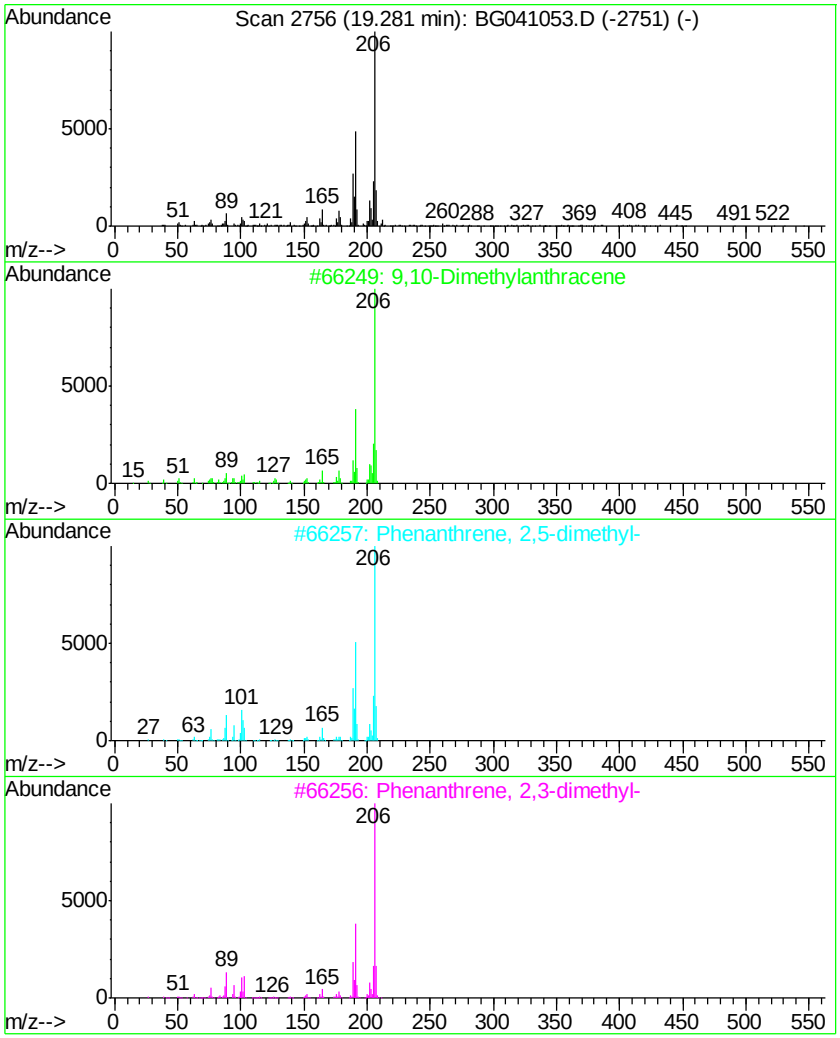
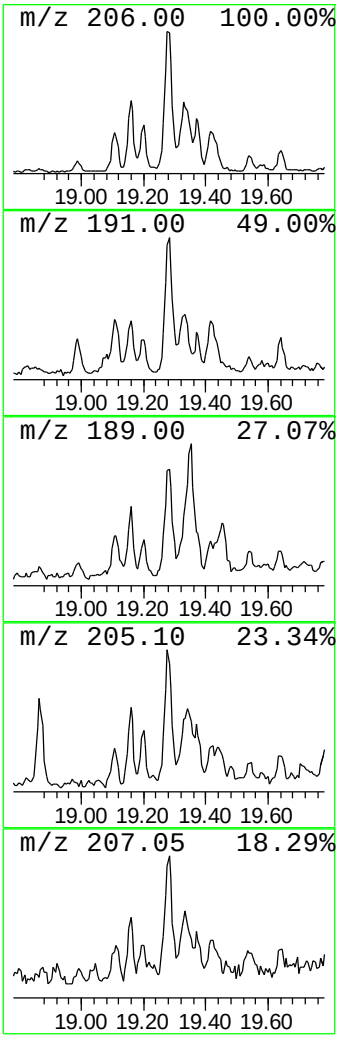
Peak Number 18 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	7.92 ng	407776	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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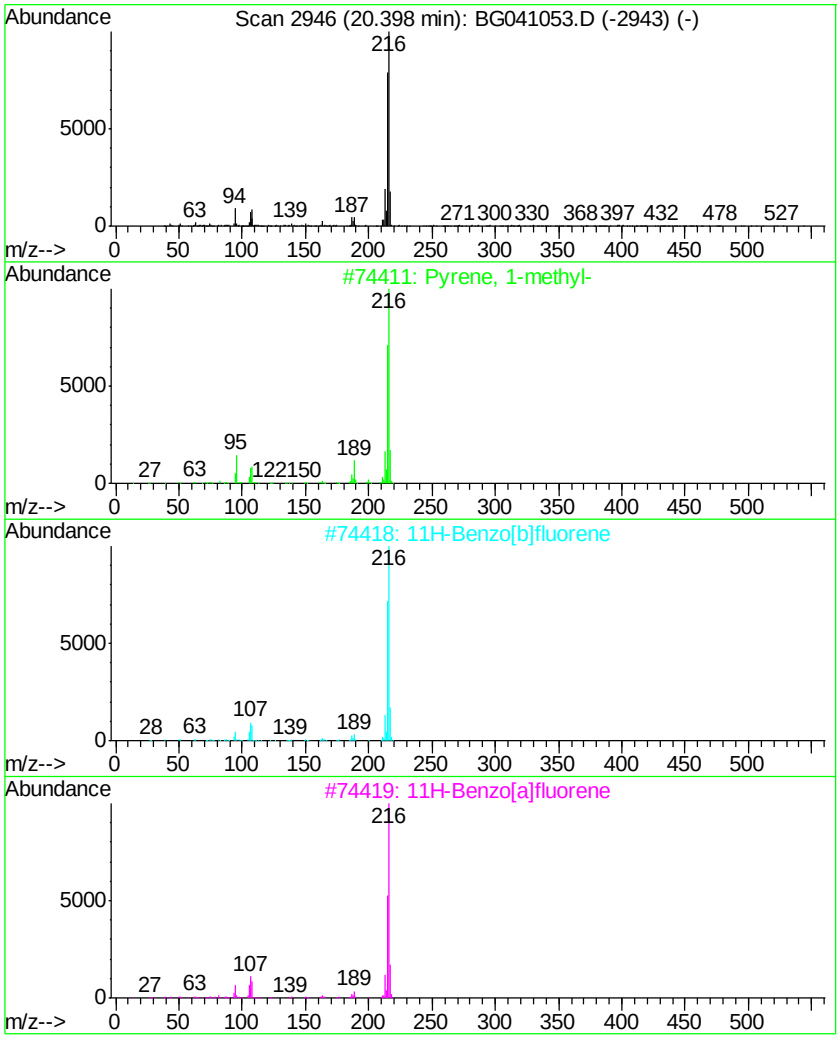
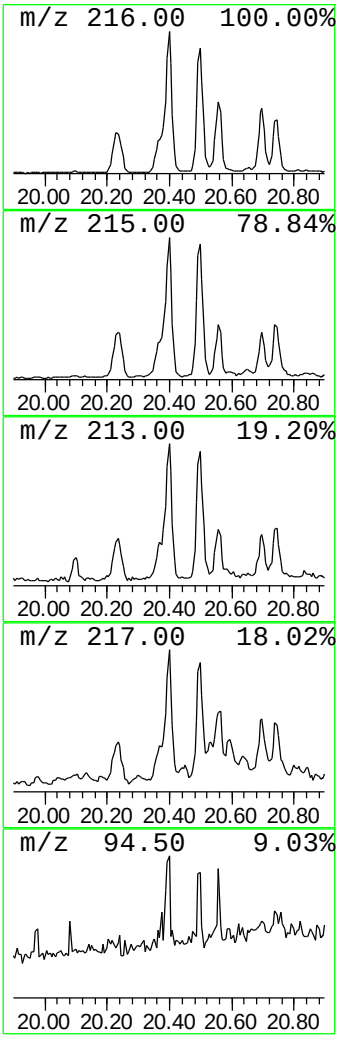
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.40	4.52 ng	602591	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	64





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ClientSampleId : CL-02-053119-E

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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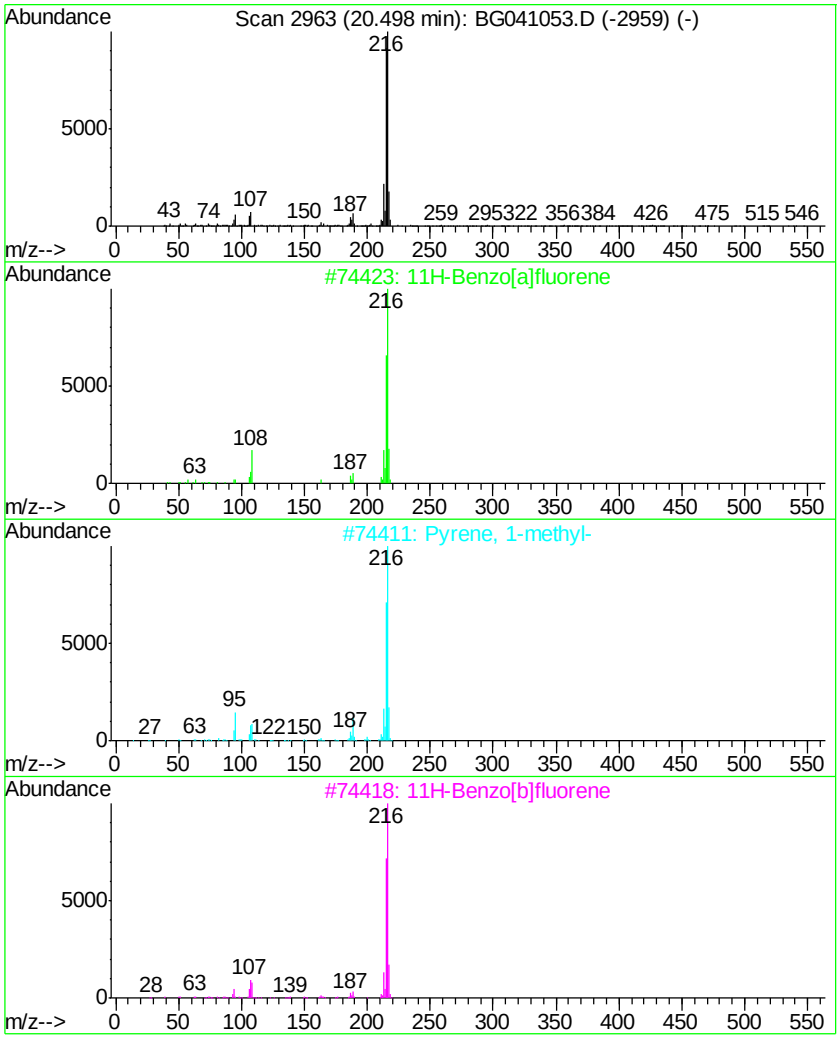
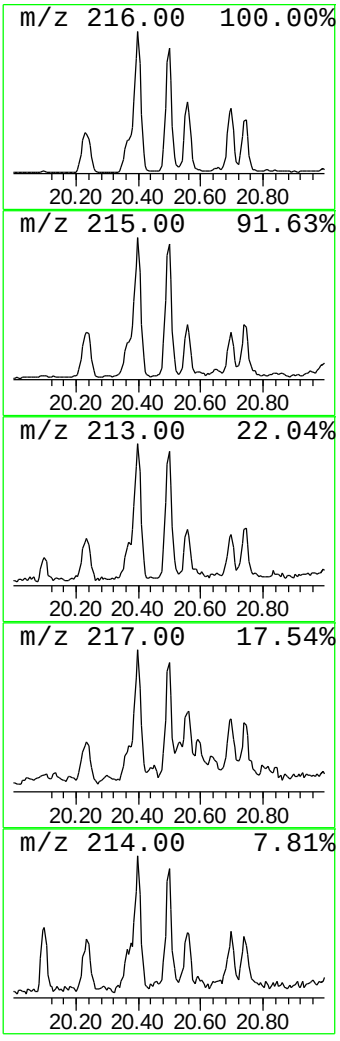
Peak Number 20 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.50	4.12 ng	548276	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060319\
Data File : BG041053.D
Acq On : 4 Jun 2019 3:01
Operator : HP/JU
Sample : K2641-21 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-053119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.21	9.7	ng	243093	1	8.13	503708	20.0
unknown7.65	7.65	36.1	ng	909771	1	8.13	503708	20.0
Naphthalene, 2,3-...	13.93	4.9	ng	218105	3	14.76	896904	20.0
Naphthalene, 1,3-...	14.08	5.6	ng	250474	3	14.76	896904	20.0
Naphthalene, 1,5-...	14.13	3.0	ng	133334	3	14.76	896904	20.0
Dibenzofuran, 4-m...	16.09	3.2	ng	141570	3	14.76	896904	20.0
9H-Fluorene, 1-me...	16.80	5.4	ng	279043	4	17.51	1030170	20.0
Naphtho[1,2-b]thi...	17.32	5.3	ng	273976	4	17.51	1030170	20.0
1-Methyldibenzoth...	18.08	3.6	ng	186038	4	17.51	1030170	20.0
Dibenzothiophene,...	18.23	3.2	ng	163703	4	17.51	1030170	20.0
Anthracene, 9-met...	18.38	11.9	ng	613012	4	17.51	1030170	20.0
Phenanthrene, 1-m...	18.42	12.7	ng	652942	4	17.51	1030170	20.0
4H-Cyclopenta[def...	18.58	20.8	ng	1072050	4	17.51	1030170	20.0
5,16[1',2']:8,13[...	18.86	6.1	ng	314521	4	17.51	1030170	20.0
9,10-Dimethylanth...	19.28	7.9	ng	407776	4	17.51	1030170	20.0
Pyrene, 1-methyl-	20.40	4.5	ng	602591	5	21.79	2664050	20.0
11H-Benzo[a]fluorene	20.50	4.1	ng	548276	5	21.79	2664050	20.0