LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
Data File : BG044047.D
Acq On : 14 Jan 2020 22:03
Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

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-BG123019.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	3.138	3	8	17	rVB	184293	346613	1.43%	0.115%
2	5.059	328	335	345	rBV	210485	337147	1.39%	0.111%
3	5.529	408	415	431	rBV	908643	1541942	6.36%	0.510%
4	7.121	677	686	702	rBV	986432	1809564	7.46%	0.598%
5	7.486	739	748	760	rBV	1017880	1772157	7.31%	0.586%
6	7.950	819	827	836	rBV	531152	913704	3.77%	0.302%
7	8.273	874	882	889	rBV	764976	1332792	5.50%	0.441%
8	9.101	1010	1023	1035	rBV	582865	1079517	4.45%	0.357%
9	10.747	1293	1303	1308	rBV	718538	1396483	5.76%	0.462%
10	10.799	1308	1312	1320	rVB	764924	1303908	5.38%	0.431%
11	12.409	1576	1586	1593	rBV	1000245	1700363	7.01%	0.562%
12	12.627	1612	1623	1634	rVB	563315	970456	4.00%	0.321%
13	13.203	1714	1721	1731	rVB	1375989	2201235	9.08%	0.728%
14	13.414	1750	1757	1764	rBV	294827	477298	1.97%	0.158%
15	13.902	1830	1840	1845	rBV	278329	517045	2.13%	0.171%
16	14.583	1946	1956	1961	rBV2	1016103	1960868	8.09%	0.648%
17	14.648	1961	1967	1973	rVV	3597330	5871294	24.21%	1.941%
18	14.895	2000	2009	2014	rVV	267497	463086	1.91%	0.153%
19	14.977	2017	2023	2031	rVB	2152265	3523020	14.53%	1.164%
20	15.629	2126	2134	2144	rBV	3897806	6442688	26.57%	2.129%
21	15.723	2144	2150	2152	rVV	216993	338975	1.40%	0.112%
22	15.752	2152	2155	2158	rVV2	386065	577173	2.38%	0.191%
23	15.794	2158	2162	2167	rVV	544540	872633	3.60%	0.288%
24	15.876	2173	2176	2180	rVV	369220	567572	2.34%	0.188%
25	15.923	2180	2184	2192	rVB	690284	1052074	4.34%	0.348%
26	16.070	2202	2209	2216	rBV	1734755	2953280	12.18%	0.976%
27	16.299	2240	2248	2261	rVB5	176856	377748	1.56%	0.125%
28	16.628	2292	2304	2309	rBV3	486981	1308125	5.39%	0.432%
29	16.781	2325	2330	2335	rVB3	190494	345066	1.42%	0.114%
30	16.980	2359	2364	2372	rVB	443233	749209	3.09%	0.248%
31	17.080	2372	2381	2386	rBV2	717994	1464270	6.04%	0.484%
32	17.145	2386	2392	2402	rVB	1156687	1901638	7.84%	0.629%
33	17.327	2418	2423	2425	rBV	971459	1483647	6.12%	0.490%
34	17.386	2425	2433	2438	rVV	10057779	19986686	82.41%	6.606%

LSC Area Percent Report

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Data File : BG044047.D
Acq On : 14 Jan 2020 22:03
Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

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-BG123019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.468	2438	2447	2452	rVV	4072524	7019564	28.95%	2.320%
36	17.515	2452	2455	2462	rVB	439500	650353	2.68%	0.215%
37	17.727	2481	2491	2497	rBV2	1826339	3539971	14.60%	1.170%
38	17.844	2505	2511	2514	rBV2	332365	574384	2.37%	0.190%
39	18.009	2532	2539	2543	rVV	5382417	7318411	30.18%	2.419%
40	18.203	2563	2572	2576	rBV	1340869	2100306	8.66%	0.694%
41	18.250	2576	2580	2588	rVB	1824449	2832214	11.68%	0.936%
42	18.332	2588	2594	2599	rBV	746652	1180074	4.87%	0.390%
43	18.402	2599	2606	2610	rBV2	2627363	4731959	19.51%	1.564%
44	18.549	2627	2631	2636	rVB2	270475	408422	1.68%	0.135%
45	18.702	2651	2657	2660	rVV	1053681	1636935	6.75%	0.541%
46	18.737	2660	2663	2671	rVV	617578	967819	3.99%	0.320%
47	18.949	2693	2699	2703	rVB3	247037	361345	1.49%	0.119%
48	19.154	2722	2734	2736	rBV	15589604	24251348	100.00%	8.016%
49	19.184	2736	2739	2748	rVV2	14674592	21881543	90.23%	7.232%
50	19.260	2748	2752	2756	rVV3	443509	775364	3.20%	0.256%
51	19.307	2756	2760	2766	rVV	3048910	3942949	16.26%	1.303%
52	19.395	2766	2775	2780	rVV	9573700	18110897	74.68%	5.986%
53	19.483	2787	2790	2795	rVB	324419	432606	1.78%	0.143%
54	19.624	2809	2814	2818	rVV2	417995	725145	2.99%	0.240%
55	19.754	2825	2836	2843	rBV3	7739894	19664254	81.09%	6.500%
56	19.818	2843	2847	2854	rVB	608718	912261	3.76%	0.302%
57	19.942	2860	2868	2872	rBV2	2152498	3839067	15.83%	1.269%
58	19.989	2872	2876	2880	rVB	773719	1073136	4.43%	0.355%
59	20.071	2883	2890	2896	rBV2	725360	1908752	7.87%	0.631%
60	20.124	2896	2899	2903	rVB	426758	505671	2.09%	0.167%
61	20.200	2906	2912	2914	rBV3	613899	1083150	4.47%	0.358%
62	20.241	2914	2919	2923	rVV	2505275	3792941	15.64%	1.254%
63	20.282	2923	2926	2930	rVB2	329413	397343	1.64%	0.131%
64	20.341	2930	2936	2940	rBV	2561462	3769376	15.54%	1.246%
65	20.394	2940	2945	2948	rVV2	1163177	1921644	7.92%	0.635%
66	20.429	2948	2951	2956	rVV	1229955	1686321	6.95%	0.557%
67	20.482	2956	2960	2965	rVB3	431194	716909	2.96%	0.237%
68	20.535	2965	2969	2972	rBV	405480	576054	2.38%	0.190%
69	20.576	2972	2976	2980	rVB2	513530	689006	2.84%	0.228%
70	20.694	2993	2996	3001	rVB3	270360	386823	1.60%	0.128%
71	20.823	3014	3018	3021	rVV4	296137	491885	2.03%	0.163%

LSC Area Percent Report

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Acq On : 14 Jan 2020 22:03
Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

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-BG123019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.864	3021	3025	3034	rVB3	640921	1287726	5.31%	0.426%
73	20.946	3035	3039	3043	rBV3	338499	623433	2.57%	0.206%
74	20.993	3043	3047	3054	rVB	364461	636533	2.62%	0.210%
75	21.170	3071	3077	3080	rBV	994437	1646145	6.79%	0.544%
76	21.211	3080	3084	3088	rVV	1045409	1707805	7.04%	0.564%
77	21.264	3088	3093	3098	rVV2	1074259	2394170	9.87%	0.791%
78	21.328	3101	3104	3112	rVB	441635	736838	3.04%	0.244%
79	21.575	3135	3146	3152	rBV2	5333644	13925420	57.42%	4.603%
80	21.640	3152	3157	3169	rVB	4892234	9738468	40.16%	3.219%
81	21.781	3176	3181	3189	rBV	1294902	2243112	9.25%	0.741%
82	21.928	3203	3206	3211	rVV	575827	990302	4.08%	0.327%
83	21.992	3211	3217	3224	rVB2	750318	1690986	6.97%	0.559%
84	22.233	3253	3258	3263	rBV2	299959	700047	2.89%	0.231%
85	22.304	3265	3270	3276	rVV	841877	1798733	7.42%	0.595%
86	22.374	3278	3282	3290	rVV	449433	882224	3.64%	0.292%
87	22.468	3294	3298	3301	rVV2	243824	465468	1.92%	0.154%
88	22.515	3301	3306	3311	rVV3	497413	979611	4.04%	0.324%
89	22.574	3311	3316	3319	rVV	570865	1078594	4.45%	0.357%
90	22.615	3320	3323	3331	rVB2	794232	1542498	6.36%	0.510%
91	22.709	3332	3339	3346	rVB3	309239	763292	3.15%	0.252%
92	22.985	3380	3386	3394	rBV5	307702	880926	3.63%	0.291%
93	23.391	3449	3455	3462	rBV	266944	730349	3.01%	0.241%
94	23.767	3505	3519	3526	rBV	3422352	13180941	54.35%	4.357%
95	24.007	3553	3560	3570	rVB	520442	1372501	5.66%	0.454%
96	24.483	3631	3641	3653	rVB	1551688	5477053	22.58%	1.810%
97	24.630	3654	3666	3677	rVB	2495454	8326522	34.33%	2.752%
98	24.777	3684	3691	3697	rBV	512339	1516346	6.25%	0.501%
99	24.854	3698	3704	3721	rVB3	851901	2863356	11.81%	0.946%
100	28.402	4294	4308	4330	rVB4	857519	5573616	22.98%	1.842%

Sum of corrected areas: 302548493

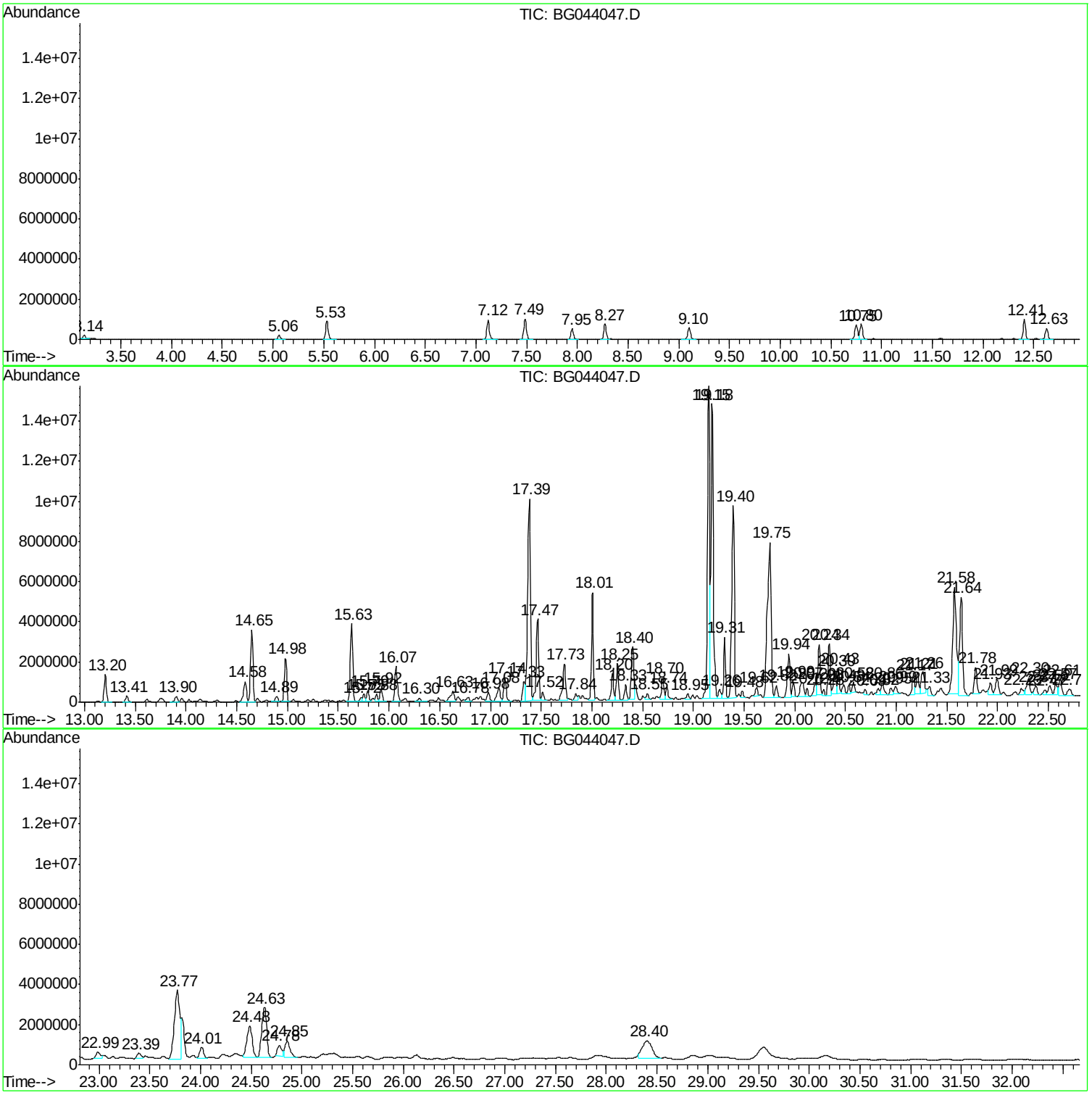
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
Data File : BG044047.D
Acq On : 14 Jan 2020 22:03
Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.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\BG011420\
Data File : BG044047.D
Acq On : 14 Jan 2020 22:03
Operator : JU
Sample : L1004-04 2X
Misc :
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Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

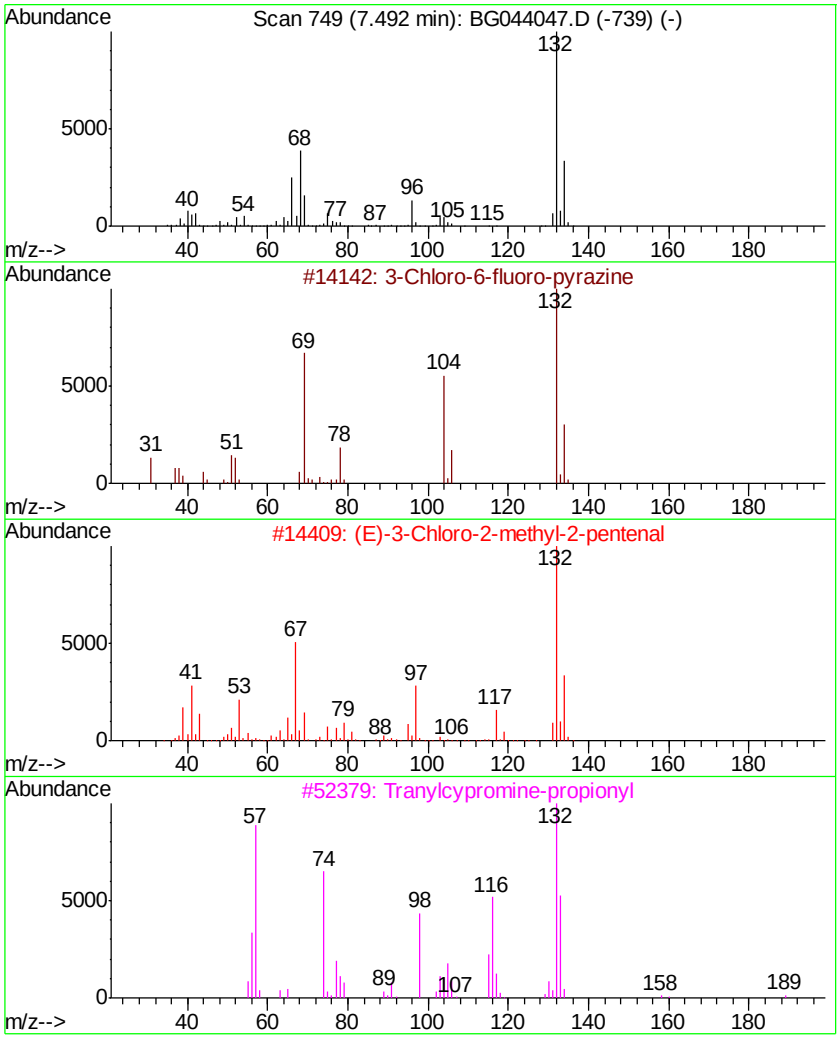
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

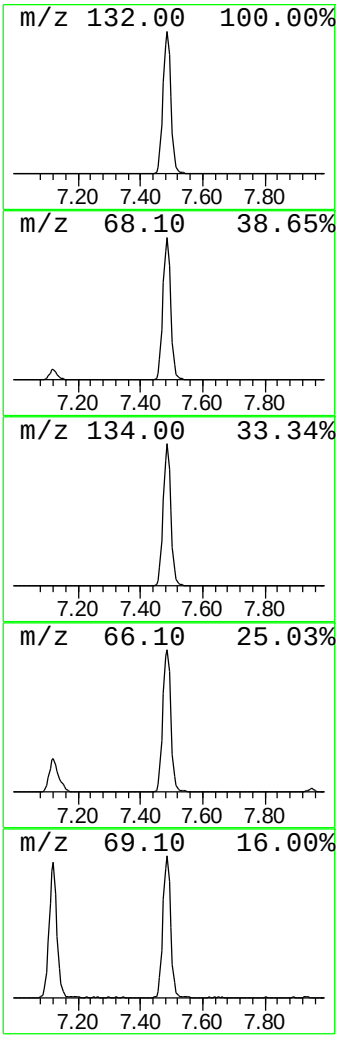
****

Peak Number 1 unknown7.49 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	38.79 ng	1772160	1,4-Dichlorobenzene-d4	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
Data File : BG044047.D
Acq On : 14 Jan 2020 22:03
Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

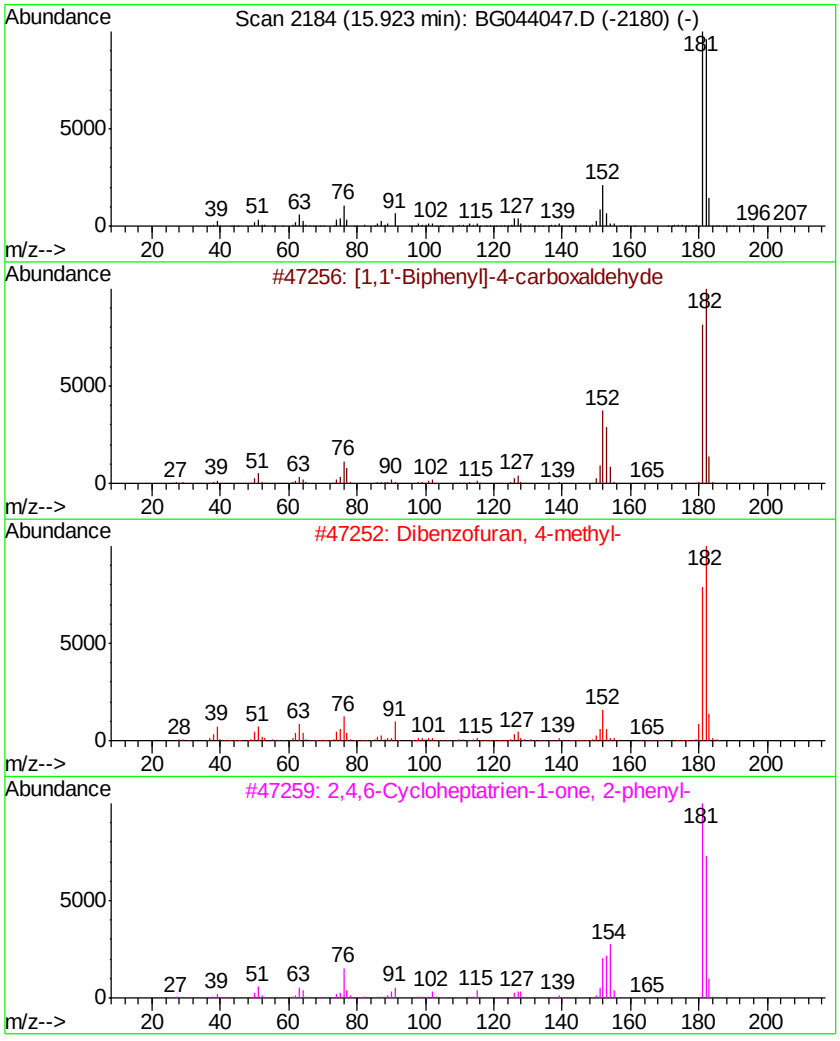
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

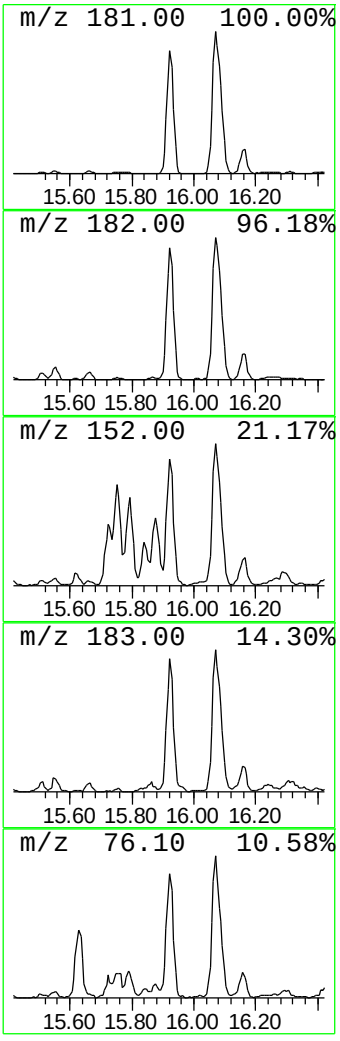
****

Peak Number 3 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	10.73 ng	1052070	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
Data File : BG044047.D
Acq On : 14 Jan 2020 22:03
Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

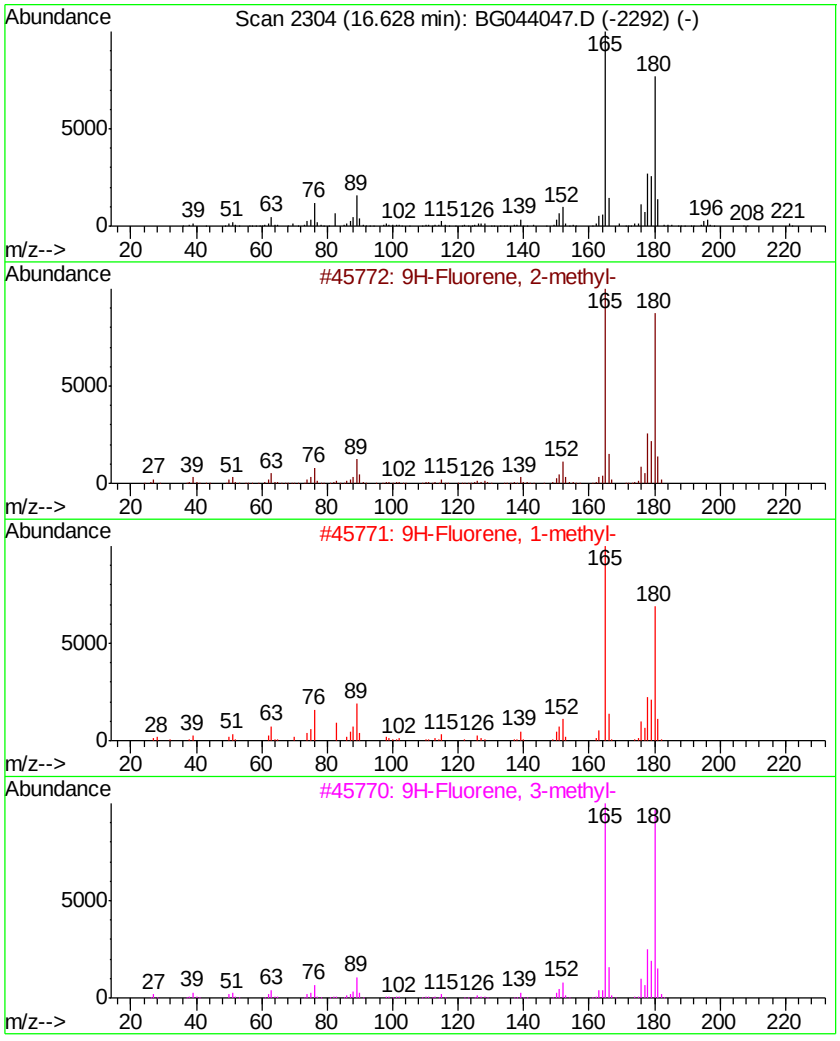
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

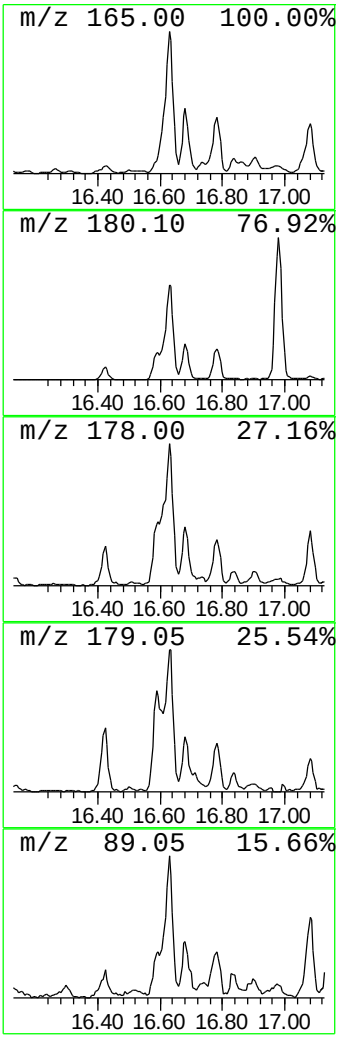
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	17.63 ng	1308130	Phenanthrene-d10	17.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	87
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
Data File : BG044047.D
Acq On : 14 Jan 2020 22:03
Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

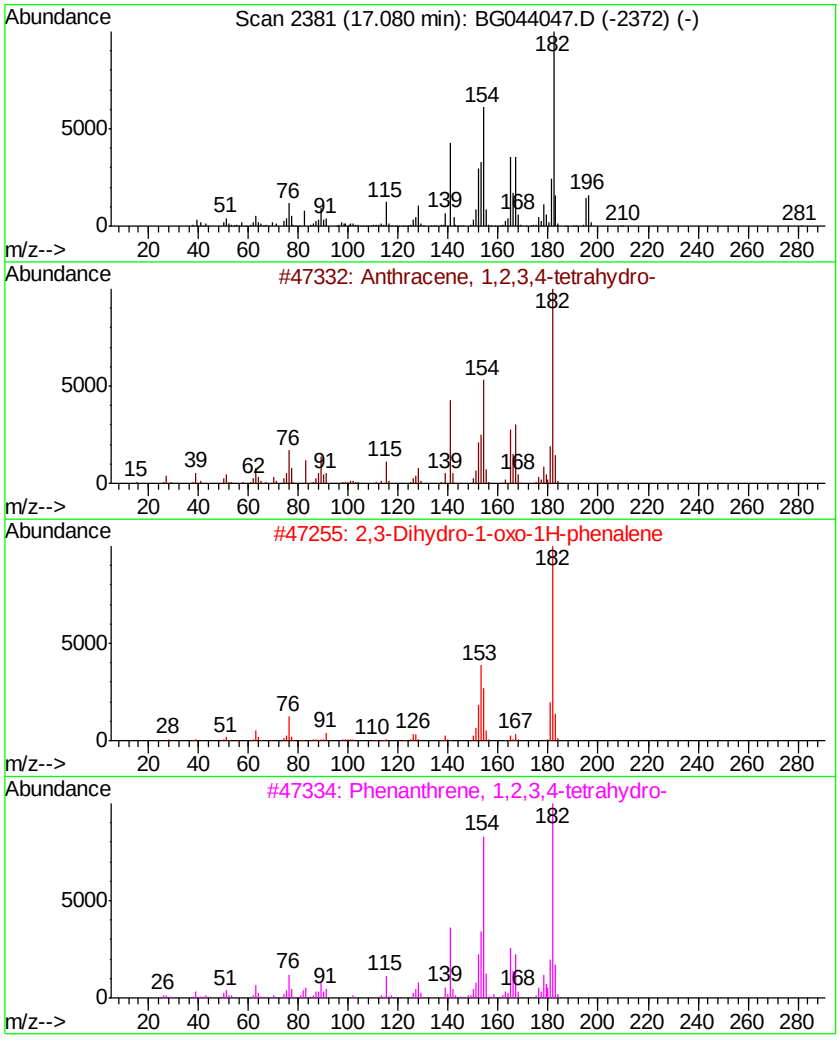
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

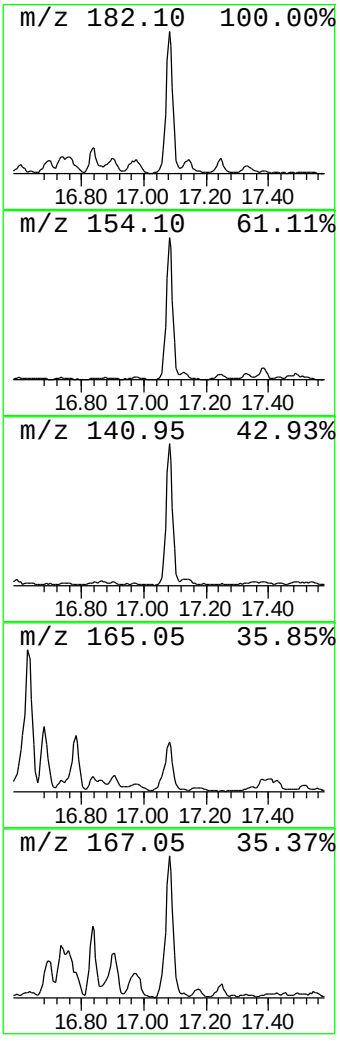
****

Peak Number 5 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.08	19.74 ng	1464270	Phenanthrene-d10	17.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	87
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	76
4	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	53
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	51





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
Data File : BG044047.D
Acq On : 14 Jan 2020 22:03
Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

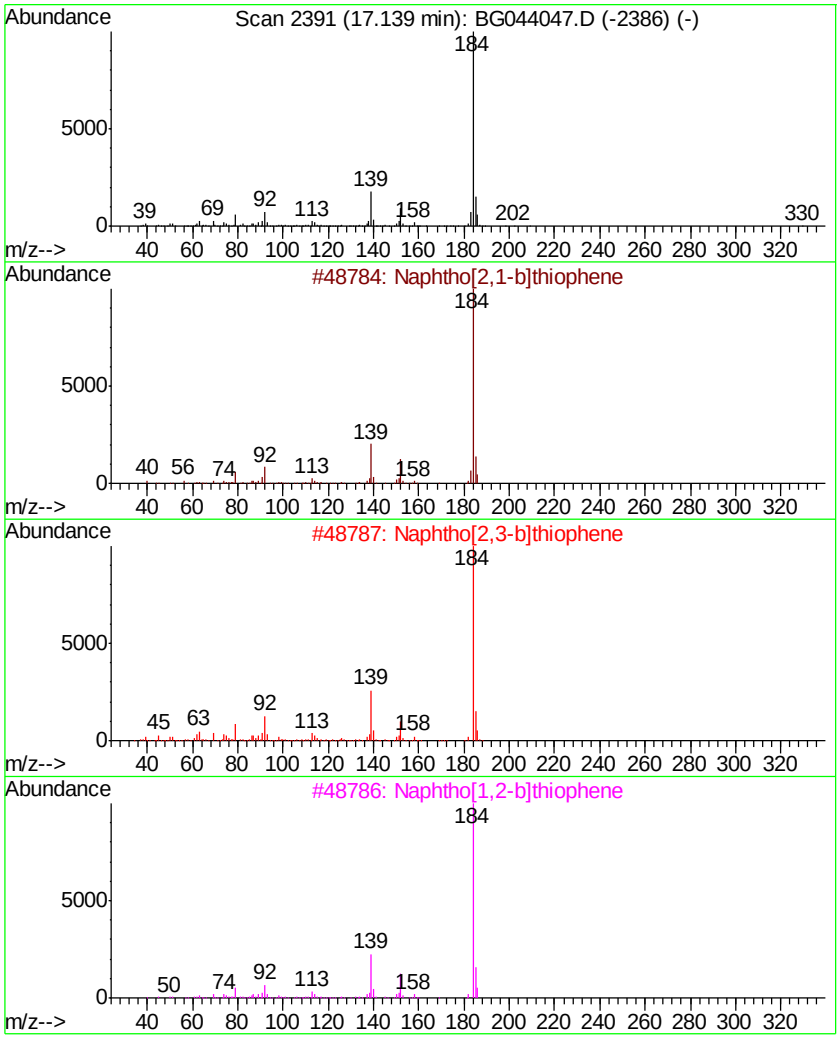
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

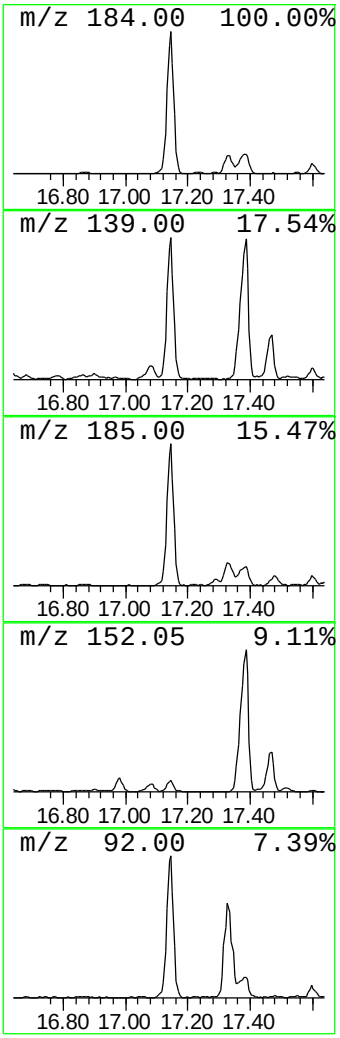
****

Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	25.63 ng	1901640	Phenanthrene-d10	17.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Acq On : 14 Jan 2020 22:03
Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.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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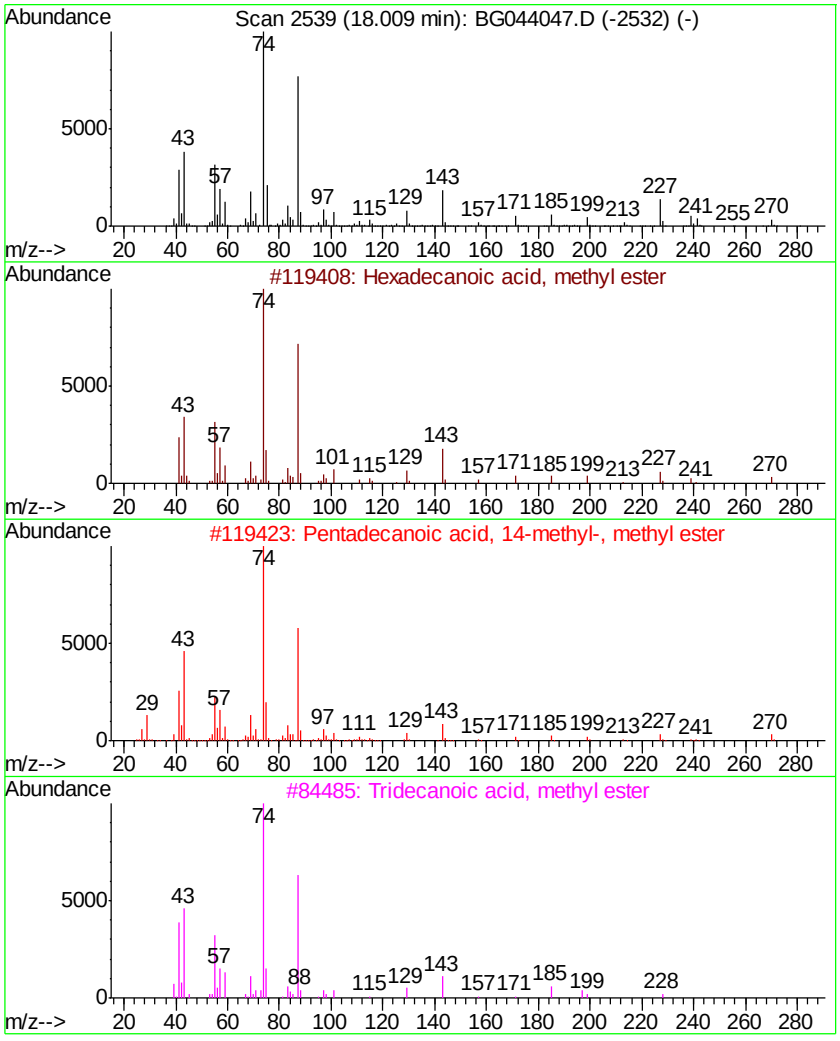
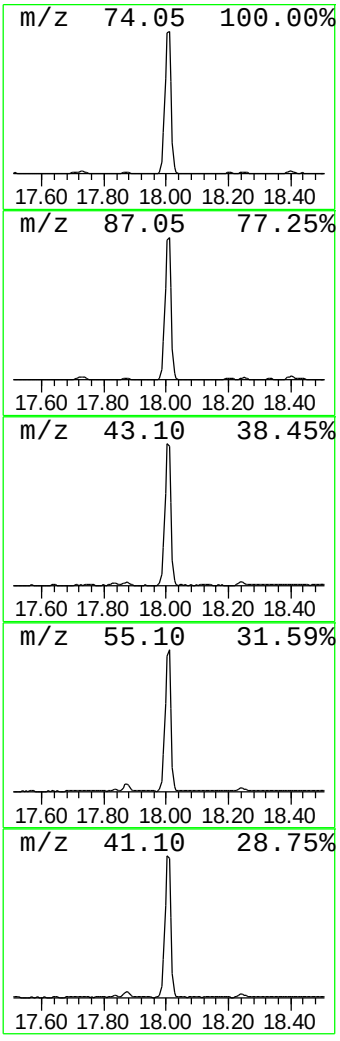
Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	98.65 ng	7318410	Phenanthrene-d10	17.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	94
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	87





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Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.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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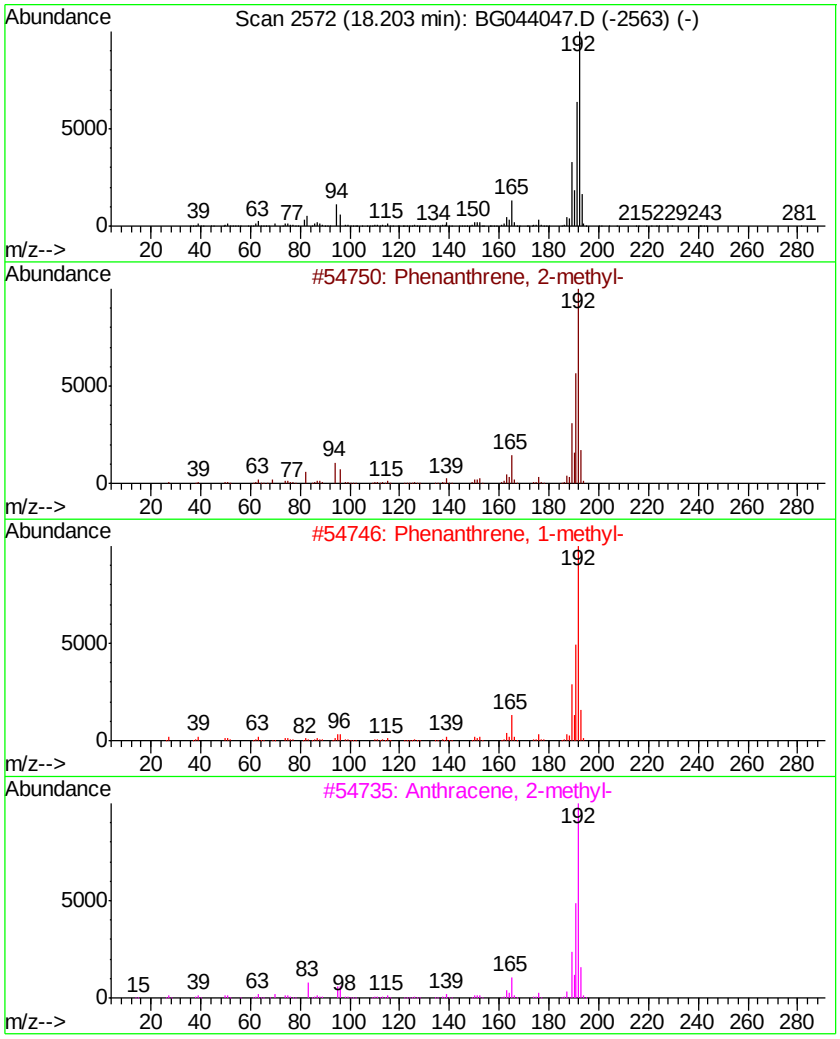
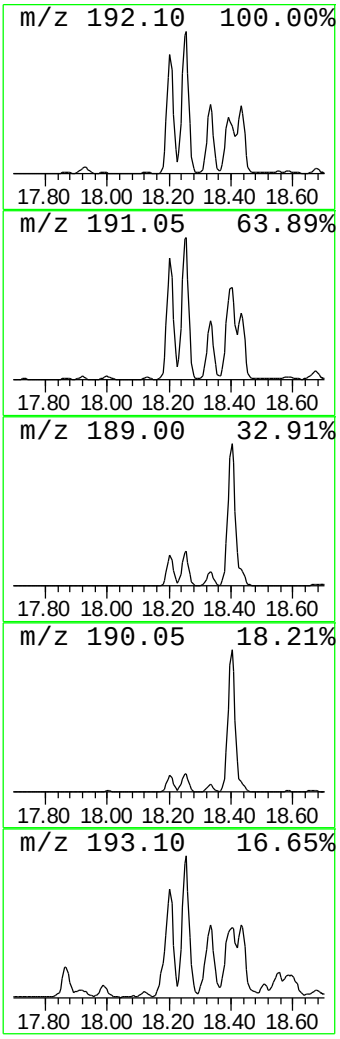
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	28.31 ng	2100310	Phenanthrene-d10	17.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

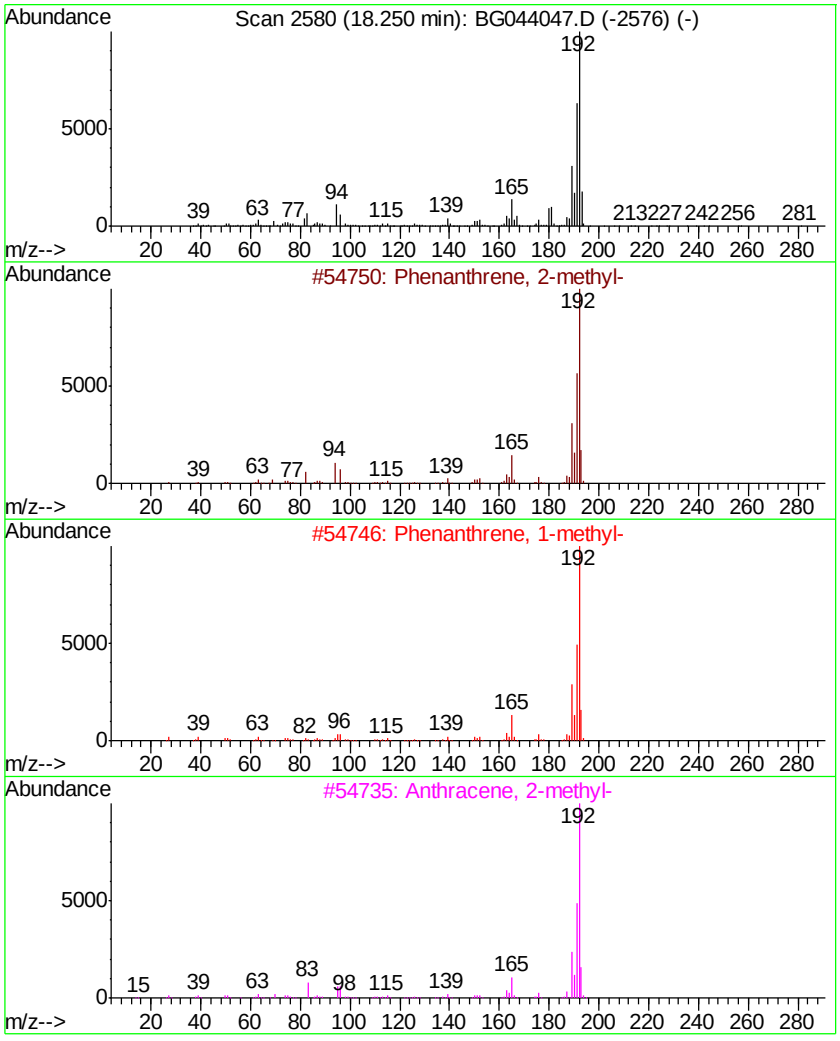
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

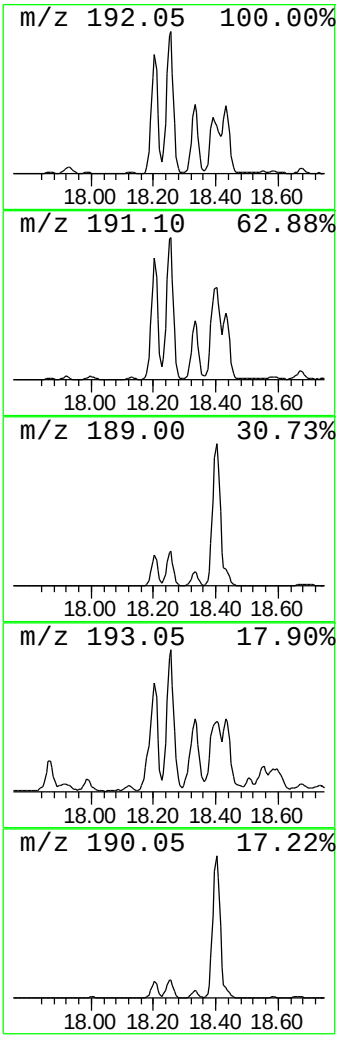
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	38.18 ng	2832210	Phenanthrene-d10	17.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
Data File : BG044047.D
Acq On : 14 Jan 2020 22:03
Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.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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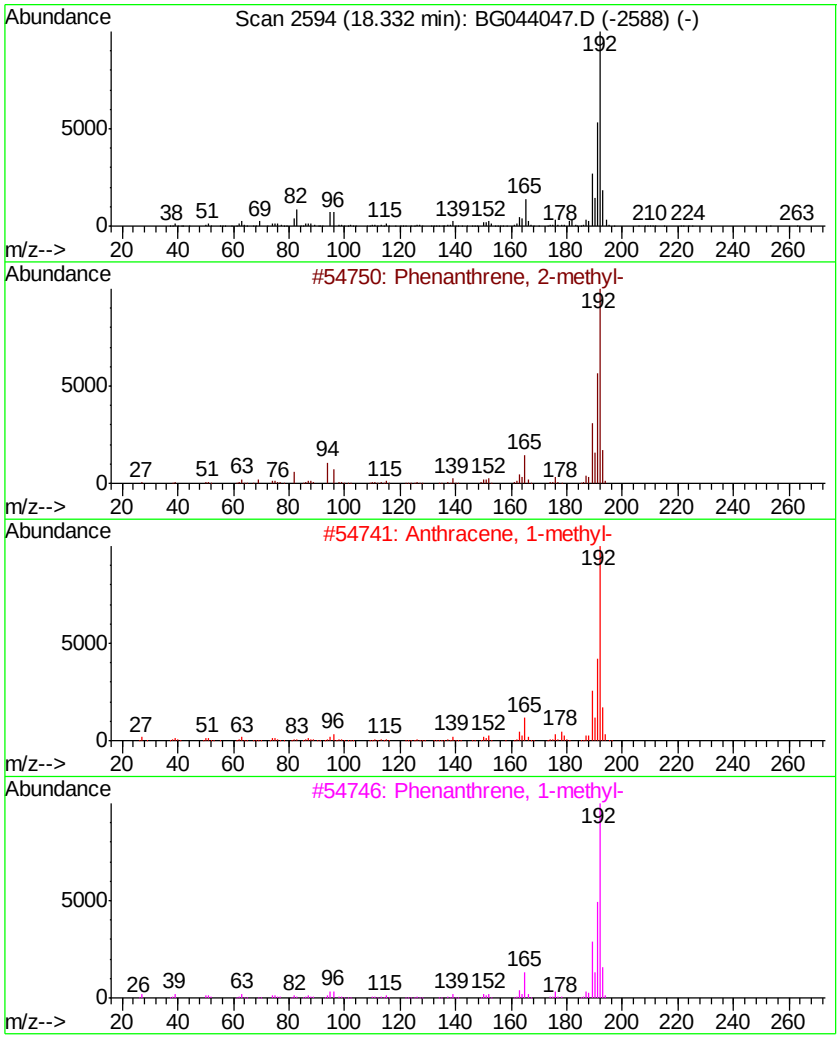
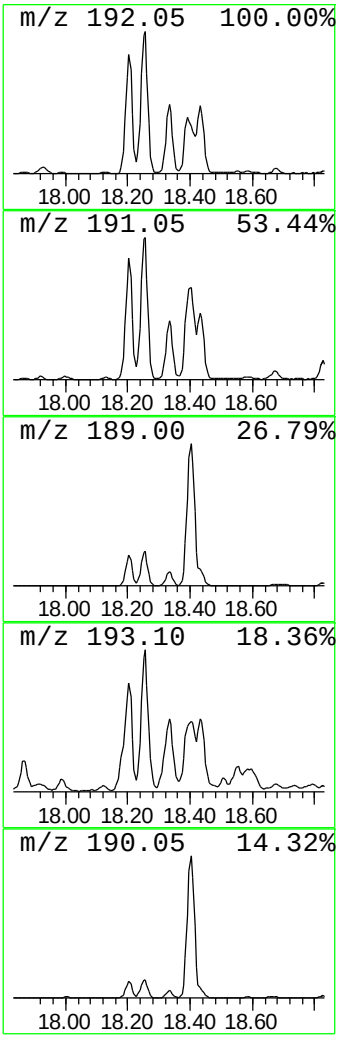
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	15.91 ng	1180070	Phenanthrene-d10	17.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.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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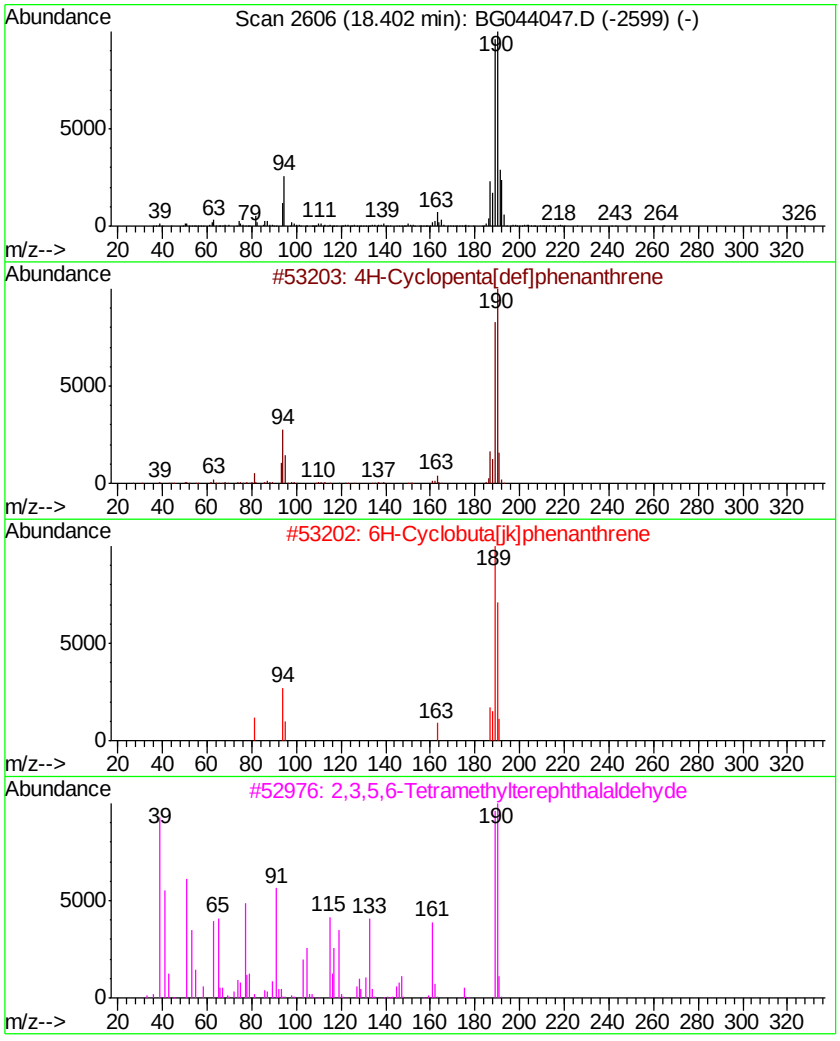
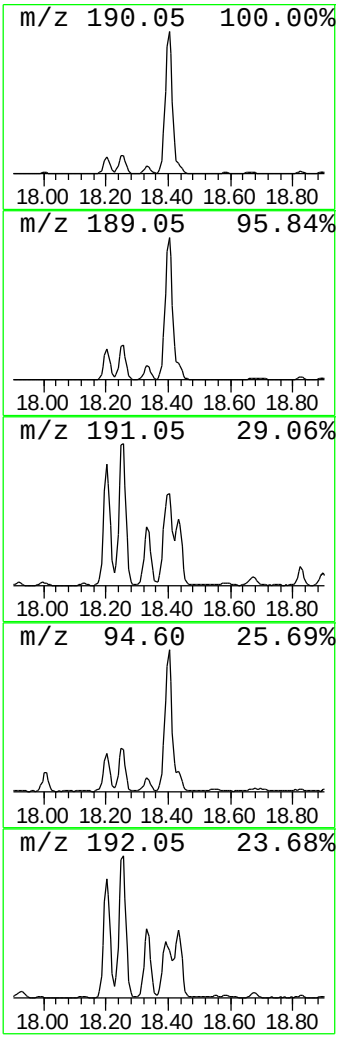
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	63.79 ng	4731960	Phenanthrene-d10	17.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





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Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.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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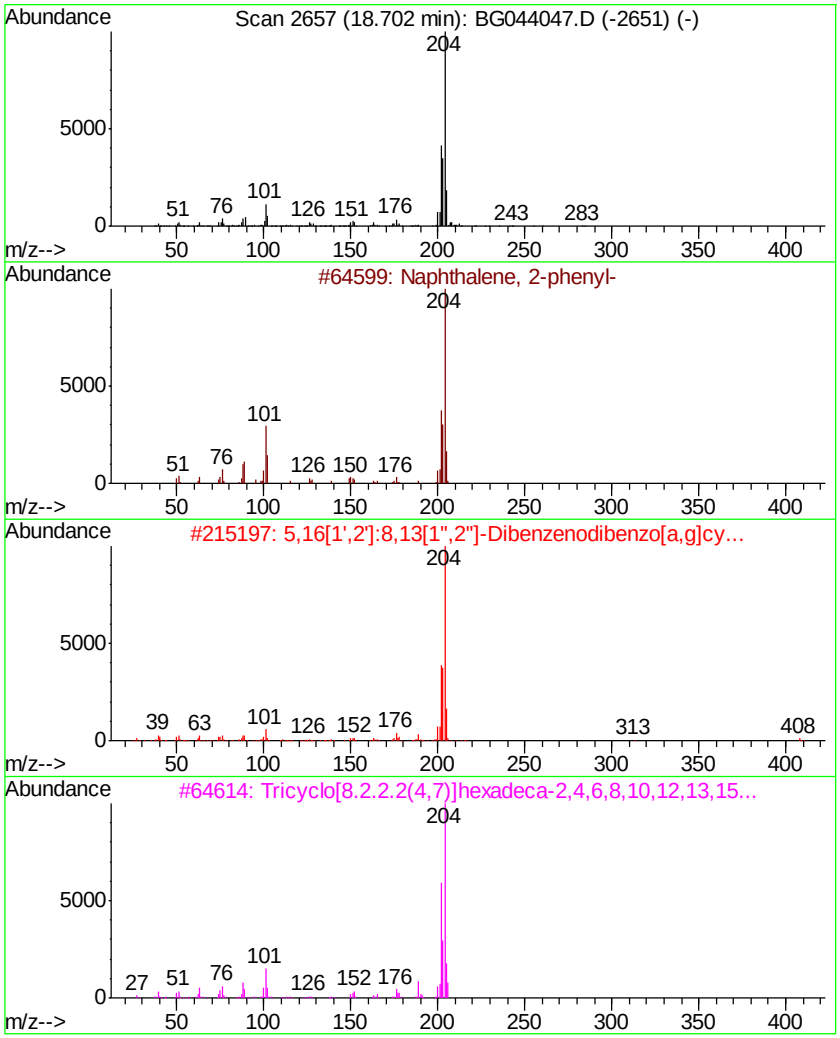
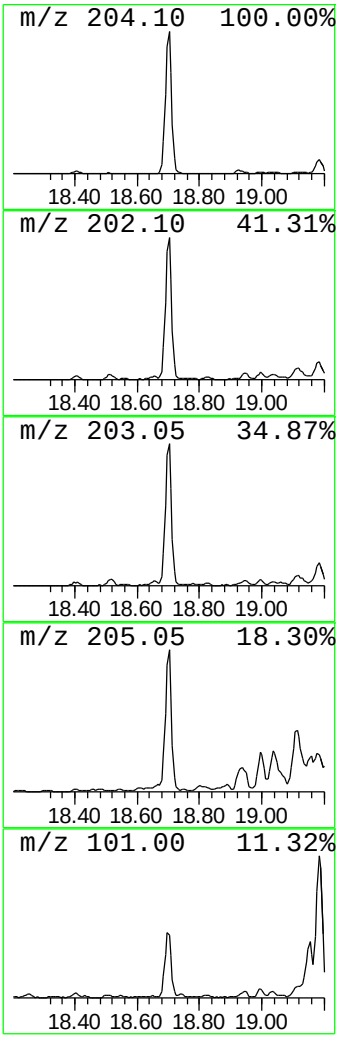
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	22.07 ng	1636940	Phenanthrene-d10	17.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
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	76
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	59
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

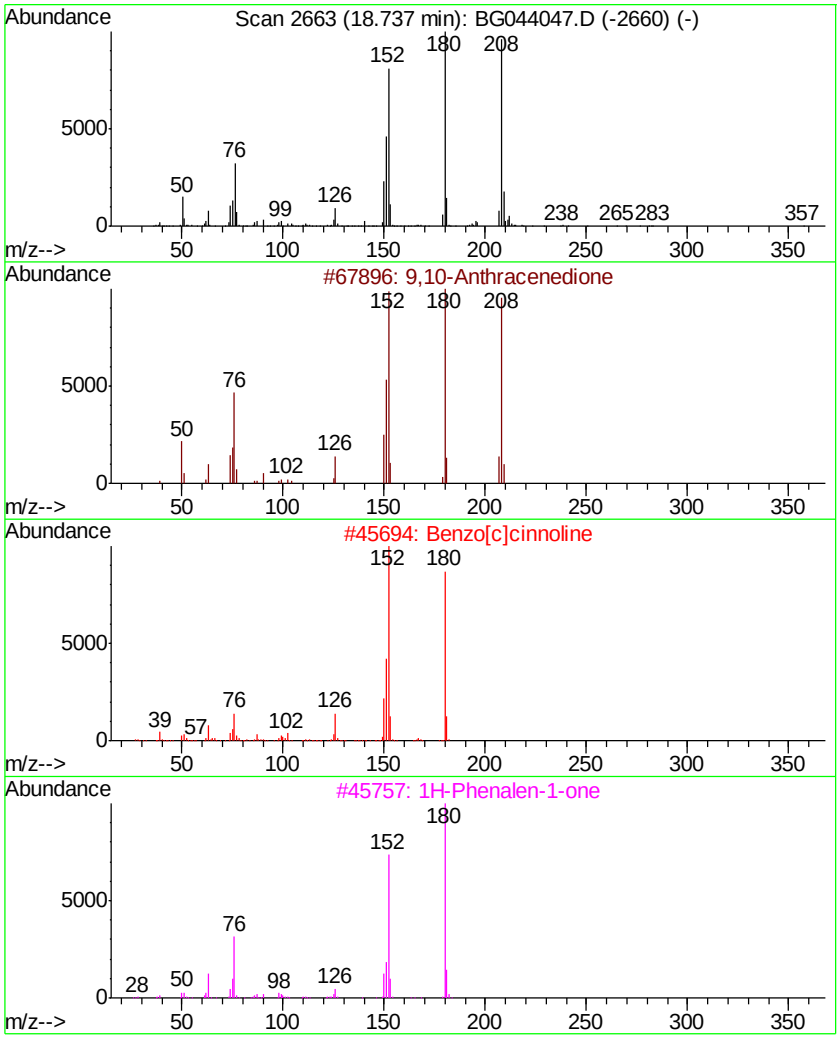
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

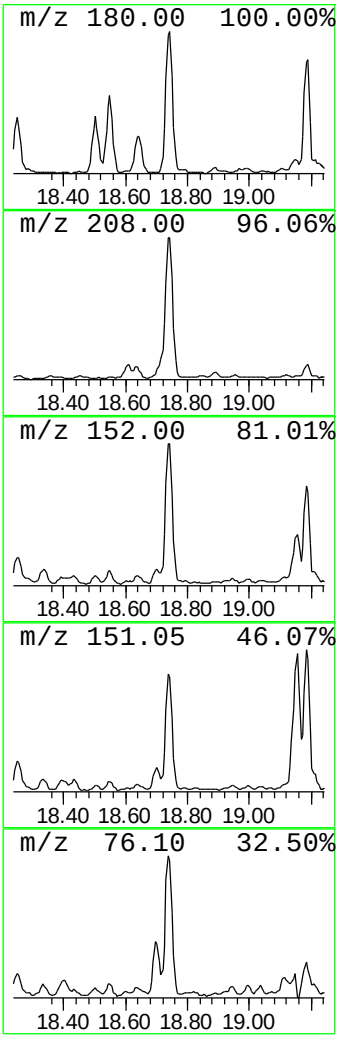
****

Peak Number 13 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	13.05 ng	967819	Phenanthrene-d10	17.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	47





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Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

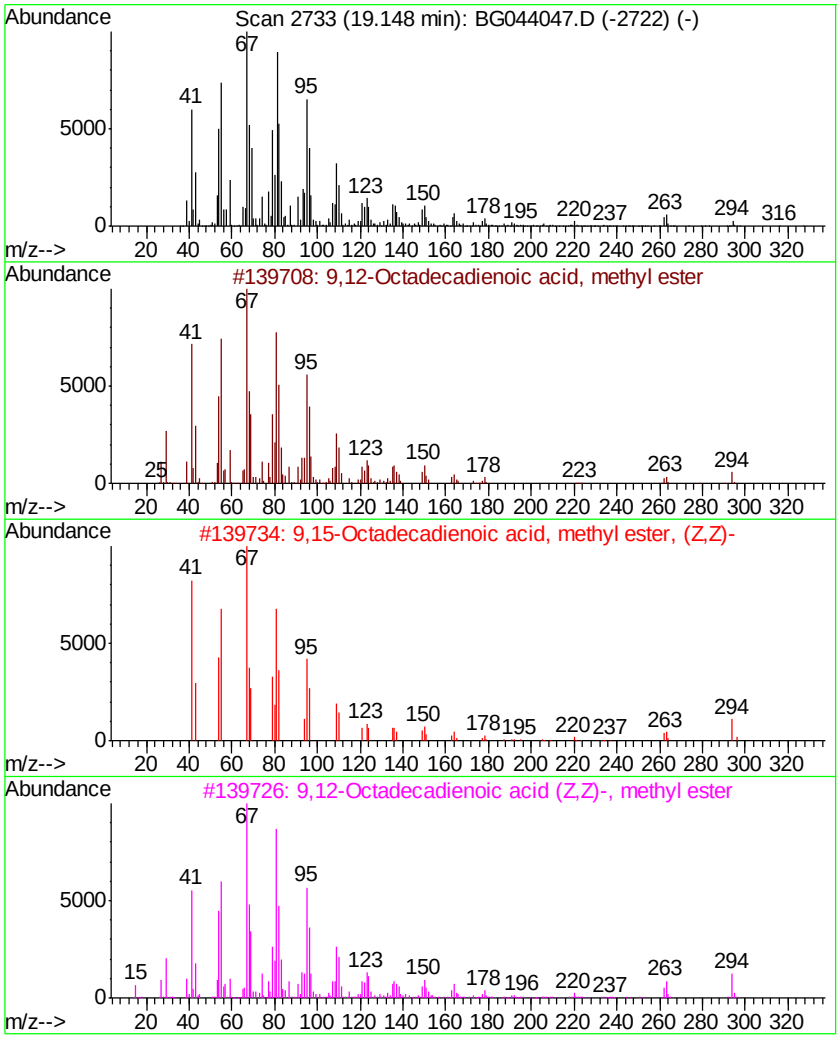
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

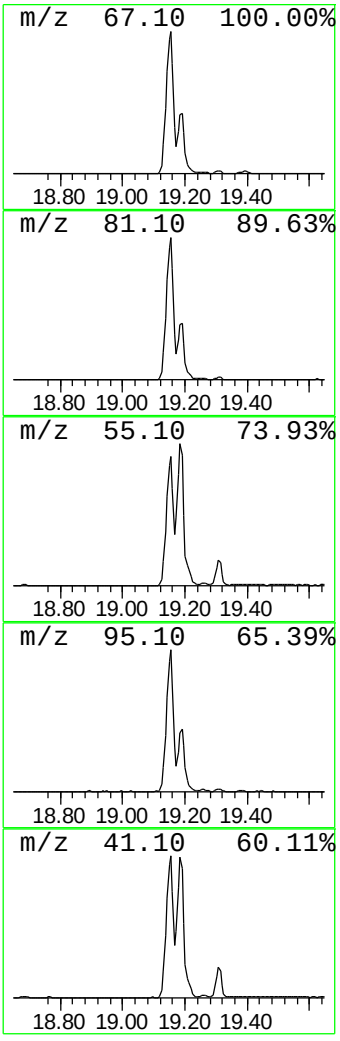
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	326.92 ng	24251300	Phenanthrene-d10	17.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	97
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	97





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Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.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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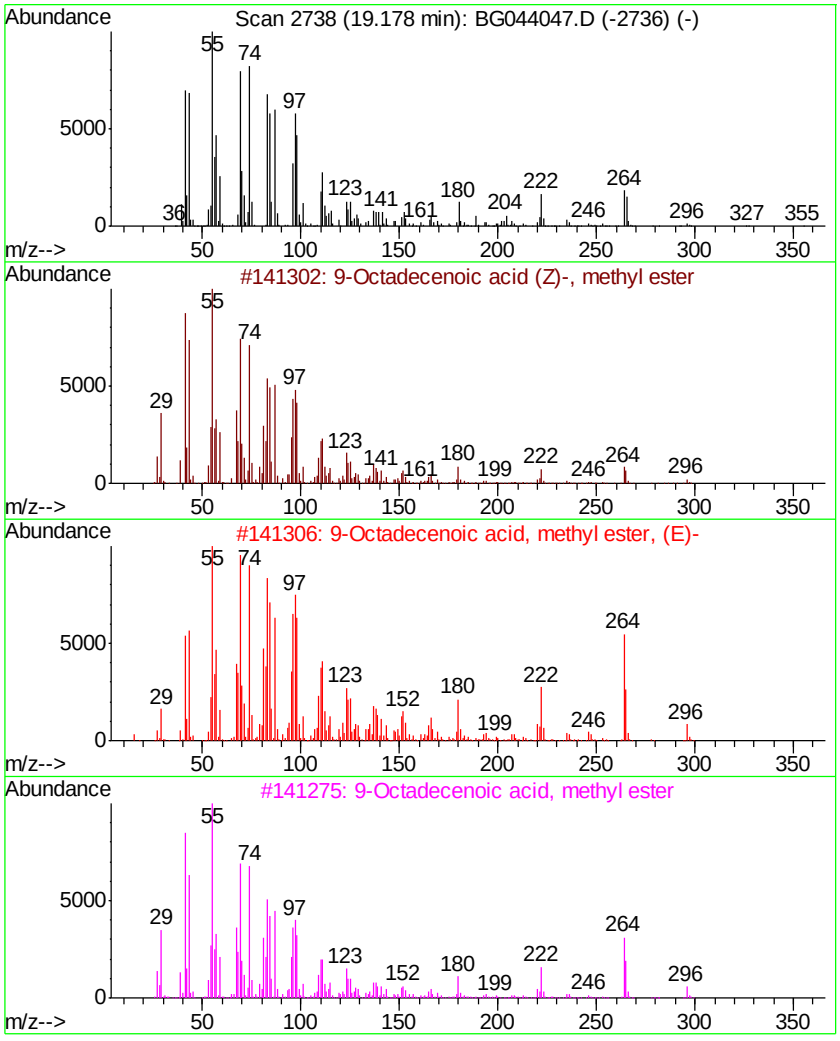
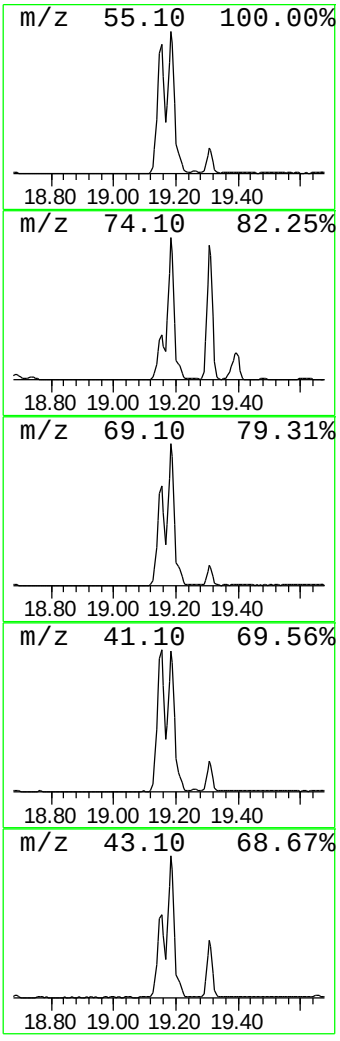
Peak Number 15 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.18	294.97 ng	21881500	Phenanthrene-d10	17.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	93
2	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	91
3	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	91
4	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	89
5	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	89





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Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.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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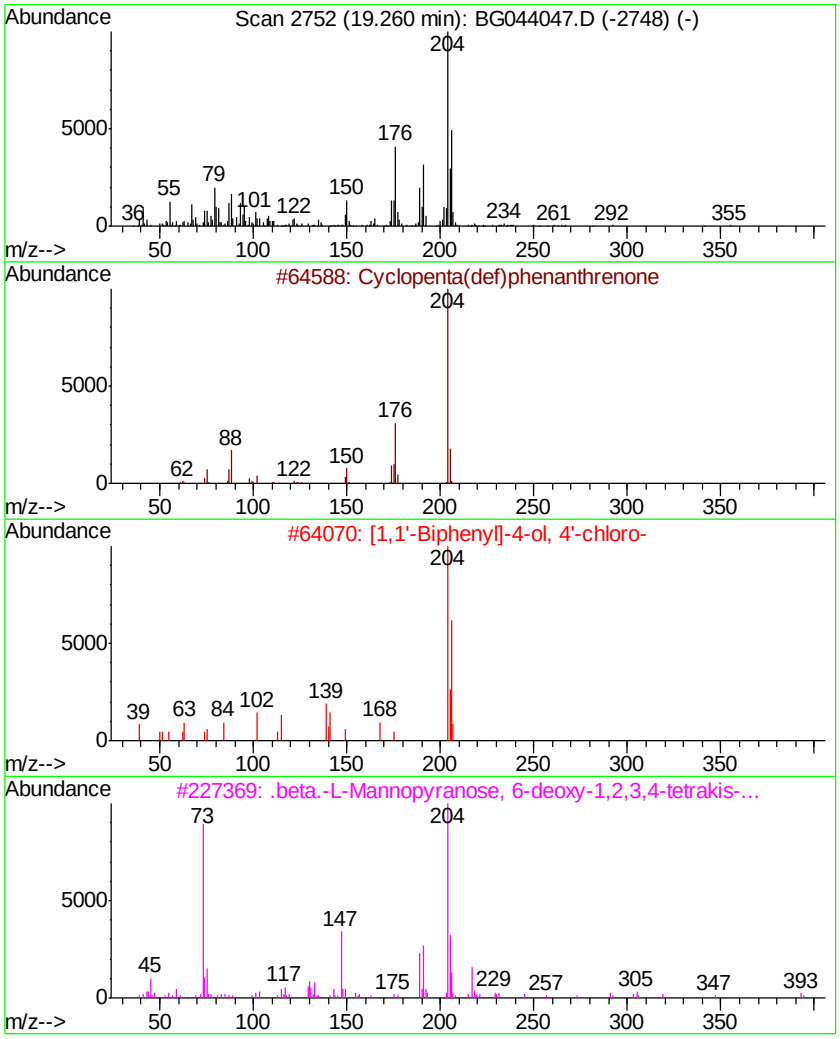
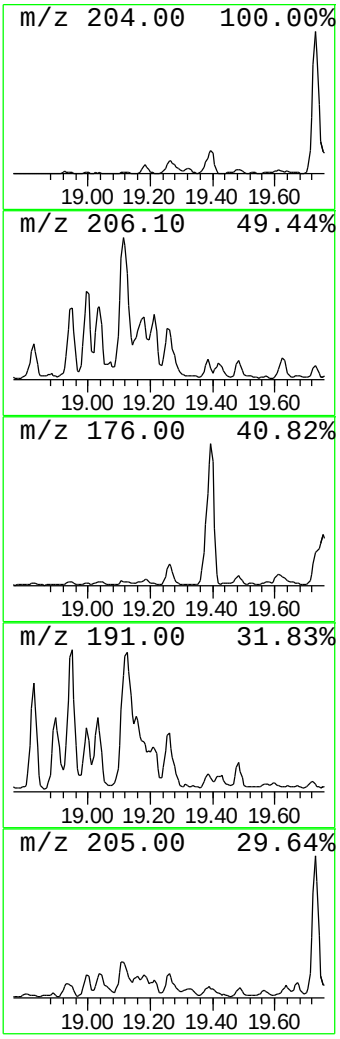
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	10.45 ng	775364	Phenanthrene-d10	17.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
3	.beta.-L-Mannopyranose, 6-deoxy-...	452	C18H44O5Si4	055057-22-2	38
4	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	38
5	1,2,3,4,6,7,8,9-Octahydrodipyrid...	205	C11H15N3O	111303-60-7	37





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Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.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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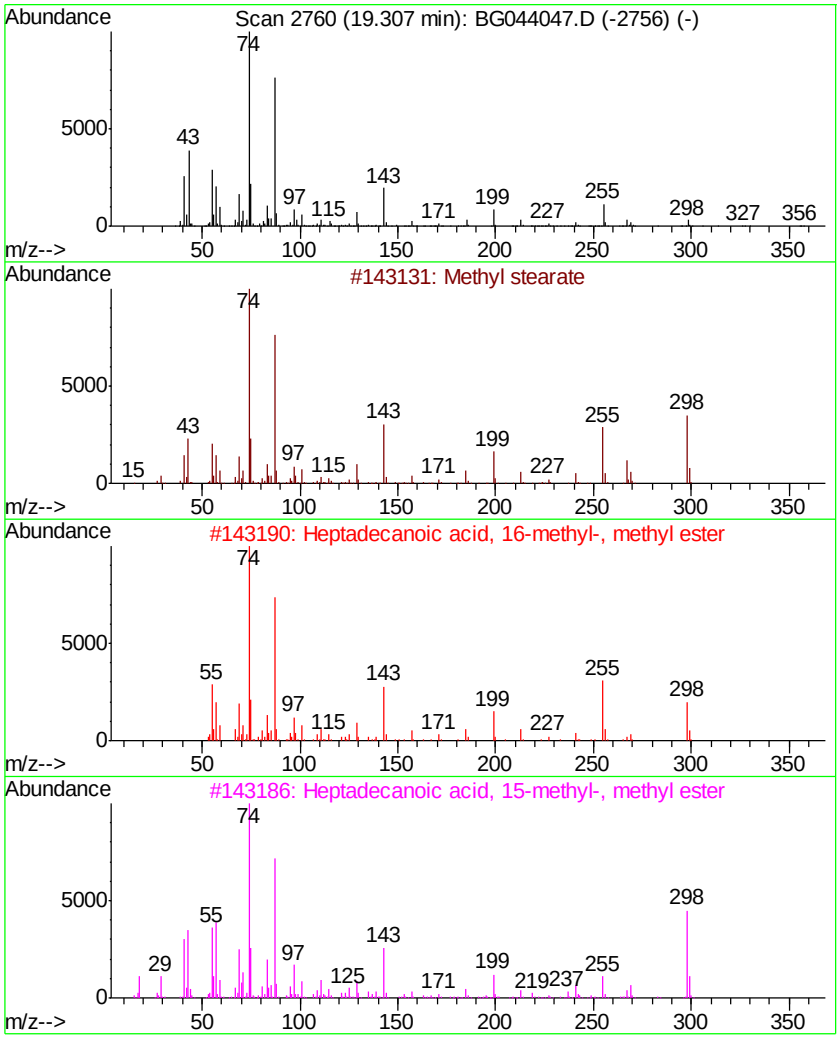
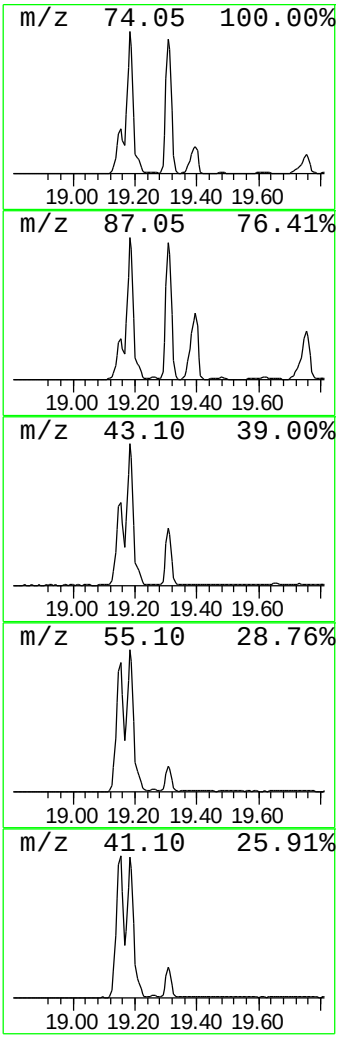
Peak Number 17 Methyl stearate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	53.15 ng	3942950	Phenanthrene-d10	17.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	94
3	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	90
4	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	87
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	87





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Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

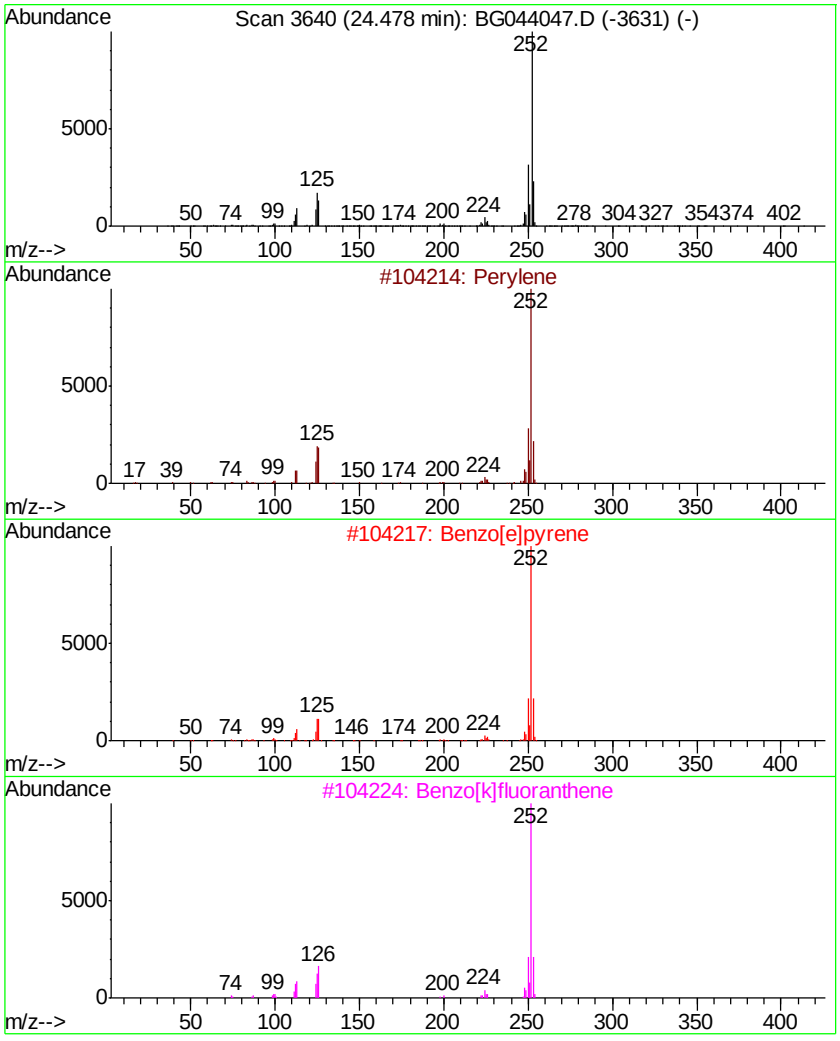
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

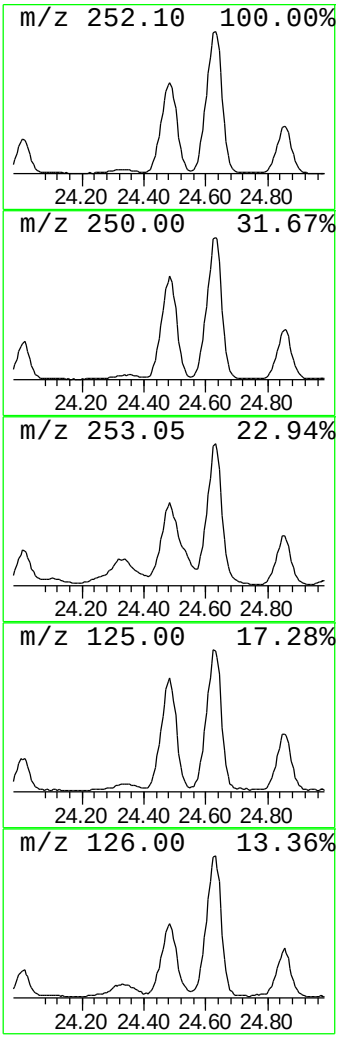
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.48	72.24 ng	5477050	Perylene-d12	24.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG011420\
Data File : BG044047.D
Acq On : 14 Jan 2020 22:03
Operator : JU
Sample : L1004-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BU-RO-234

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.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
unknown7.49	7.49	38.8	ng	1772160	1	7.95	913704	20.0
[1,1'-Biphenyl]-4...	15.92	10.7	ng	1052070	3	14.58	1960870	20.0
9H-Fluorene, 2-me...	16.63	17.6	ng	1308130	4	17.33	1483650	20.0
Anthracene, 1,2,3...	17.08	19.7	ng	1464270	4	17.33	1483650	20.0
Naphtho[2,1-b]thi...	17.14	25.6	ng	1901640	4	17.33	1483650	20.0
Hexadecanoic acid...	18.01	98.7	ng	7318410	4	17.33	1483650	20.0
Phenanthrene, 2-m...	18.20	28.3	ng	2100310	4	17.33	1483650	20.0
Phenanthrene, 1-m...	18.25	38.2	ng	2832210	4	17.33	1483650	20.0
Anthracene, 1-met...	18.33	15.9	ng	1180070	4	17.33	1483650	20.0
4H-Cyclopenta[def...	18.40	63.8	ng	4731960	4	17.33	1483650	20.0
Naphthalene, 2-ph...	18.70	22.1	ng	1636940	4	17.33	1483650	20.0
9,10-Anthracenedione	18.74	13.1	ng	967819	4	17.33	1483650	20.0
9,12-Octadecadien...	19.15	326.9	ng	24251300	4	17.33	1483650	20.0
9-Octadecenoic ac...	19.18	295.0	ng	21881500	4	17.33	1483650	20.0
Cyclopenta(def)ph...	19.26	10.4	ng	775364	4	17.33	1483650	20.0
Methyl stearate	19.31	53.1	ng	3942950	4	17.33	1483650	20.0
Benzo[e]pyrene	24.48	72.2	ng	5477050	6	24.78	1516350	20.0