LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021198.D
Acq On : 2 Mar 2016 00:22
Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

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:\HPCHEM1\BNA_G\METHODS\8270-BG022916.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	3.057	32	37	58	rVV	1732996	2364677	100.00%	15.558%
2	3.204	58	62	71	rVB4	15195	25476	1.08%	0.168%
3	5.237	401	408	415	rBV	331564	506051	21.40%	3.330%
4	5.701	481	487	494	rBV	58277	92281	3.90%	0.607%
5	5.772	494	499	508	rVB2	13518	29388	1.24%	0.193%
6	6.148	555	563	570	rVB3	15547	23869	1.01%	0.157%
7	7.229	742	747	751	rBV	22969	33923	1.43%	0.223%
8	7.294	751	758	766	rVV	286258	489656	20.71%	3.222%
9	7.364	766	770	775	rVB	17301	26764	1.13%	0.176%
10	7.676	813	823	830	rBV	147840	249268	10.54%	1.640%
11	7.787	838	842	848	rVB	55721	89747	3.80%	0.590%
12	8.146	891	903	909	rBV2	51630	100435	4.25%	0.661%
13	8.257	917	922	929	rVB2	18730	31992	1.35%	0.210%
14	8.475	951	959	965	rBV	231663	402982	17.04%	2.651%
15	8.686	989	995	1005	rVB2	19075	38788	1.64%	0.255%
16	8.780	1005	1011	1023	rVB4	26250	56017	2.37%	0.369%
17	9.256	1085	1092	1095	rBV	22395	36894	1.56%	0.243%
18	9.315	1095	1102	1109	rVV	233979	422741	17.88%	2.781%
19	9.832	1185	1190	1196	rVB	21993	33208	1.40%	0.218%
20	10.349	1273	1278	1285	rVB3	23914	40665	1.72%	0.268%
21	10.954	1375	1381	1386	rBV	69341	129745	5.49%	0.854%
22	11.007	1386	1390	1397	rVB	49593	86422	3.65%	0.569%
23	12.599	1655	1661	1670	rVB	37428	59012	2.50%	0.388%
24	12.817	1691	1698	1704	rVB2	23982	40876	1.73%	0.269%
25	13.387	1787	1795	1801	rVB	498757	764557	32.33%	5.030%
26	14.080	1904	1913	1918	rBV3	14398	26195	1.11%	0.172%
27	14.197	1927	1933	1940	rBV	89171	126898	5.37%	0.835%
28	14.756	2018	2028	2034	rBV2	113545	186312	7.88%	1.226%
29	14.820	2034	2039	2045	rVB	31317	49306	2.09%	0.324%
30	15.149	2088	2095	2100	rBV2	22445	37731	1.60%	0.248%
31	15.578	2163	2168	2173	rVB	27811	36797	1.56%	0.242%
32	15.795	2196	2205	2211	rBV	41808	65768	2.78%	0.433%
33	16.230	2275	2279	2287	rVB3	42701	63565	2.69%	0.418%
34	16.436	2309	2314	2317	rBV	27652	38795	1.64%	0.255%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021198.D
Acq On : 2 Mar 2016 00:22
Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

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:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.794	2365	2375	2380	rBV5	13609	38460	1.63%	0.253%
36	17.223	2442	2448	2455	rVV4	24771	51536	2.18%	0.339%
37	17.311	2459	2463	2470	rVB	21362	34748	1.47%	0.229%
38	17.493	2487	2494	2497	rBV	133760	217546	9.20%	1.431%
39	17.535	2497	2501	2507	rVV	407701	610773	25.83%	4.019%
40	17.623	2507	2516	2521	rVV	64983	97828	4.14%	0.644%
41	17.887	2554	2561	2565	rBV2	25312	39935	1.69%	0.263%
42	18.363	2636	2642	2646	rBV	78130	128407	5.43%	0.845%
43	18.410	2646	2650	2656	rVB	99778	146540	6.20%	0.964%
44	18.486	2656	2663	2668	rBV	29341	51743	2.19%	0.340%
45	18.557	2668	2675	2678	rVV2	87116	177533	7.51%	1.168%
46	18.592	2678	2681	2687	rVB	54560	79098	3.34%	0.520%
47	18.851	2720	2725	2729	rBV	53231	81015	3.43%	0.533%
48	18.892	2729	2732	2742	rVB2	49291	77944	3.30%	0.513%
49	19.092	2759	2766	2772	rBV2	29324	53333	2.26%	0.351%
50	19.268	2790	2796	2801	rBV	60062	108563	4.59%	0.714%
51	19.327	2801	2806	2810	rBV3	20022	42361	1.79%	0.279%
52	19.409	2815	2820	2828	rBV4	39641	79142	3.35%	0.521%
53	19.532	2835	2841	2847	rVB	533866	772687	32.68%	5.084%
54	19.620	2853	2856	2861	rVB6	21839	32961	1.39%	0.217%
55	19.773	2878	2882	2885	rBV	27287	37132	1.57%	0.244%
56	19.861	2891	2897	2898	rBV2	86546	133871	5.66%	0.881%
57	19.897	2898	2903	2909	rVB	510220	778400	32.92%	5.121%
58	19.961	2909	2914	2919	rVB3	35263	61700	2.61%	0.406%
59	20.085	2921	2935	2940	rBV	746236	1053991	44.57%	6.935%
60	20.208	2950	2956	2963	rBV3	47811	129266	5.47%	0.851%
61	20.378	2974	2985	2990	rVB2	78148	176465	7.46%	1.161%
62	20.478	2997	3002	3005	rBV2	49895	73224	3.10%	0.482%
63	20.537	3006	3012	3015	rVV2	62949	96204	4.07%	0.633%
64	20.672	3031	3035	3039	rBV	54726	79735	3.37%	0.525%
65	20.719	3039	3043	3046	rVV	43218	65899	2.79%	0.434%
66	20.748	3046	3048	3055	rVB	50584	71304	3.02%	0.469%
67	21.136	3110	3114	3120	rVB	53215	92161	3.90%	0.606%
68	21.371	3150	3154	3158	rVB2	59274	82397	3.48%	0.542%
69	21.424	3158	3163	3167	rVV3	39009	72427	3.06%	0.477%
70	21.477	3168	3172	3180	rVB2	48369	93326	3.95%	0.614%
71	21.741	3210	3217	3224	rBV2	268210	699390	29.58%	4.602%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021198.D
Acq On : 2 Mar 2016 00:22
Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

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:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	21.806	3224	3228	3234	rVB	213414	345219	14.60%	2.271%
73	23.992	3592	3600	3608	rBV2	123876	432214	18.28%	2.844%
74	24.726	3719	3725	3738	rVB	82652	245142	10.37%	1.613%
75	24.879	3741	3751	3764	rBV2	114631	344139	14.55%	2.264%
76	25.032	3768	3777	3784	rBV2	73610	221553	9.37%	1.458%
77	29.932	4604	4611	4625	rVB4	20603	84578	3.58%	0.556%

Sum of corrected areas: 15198691

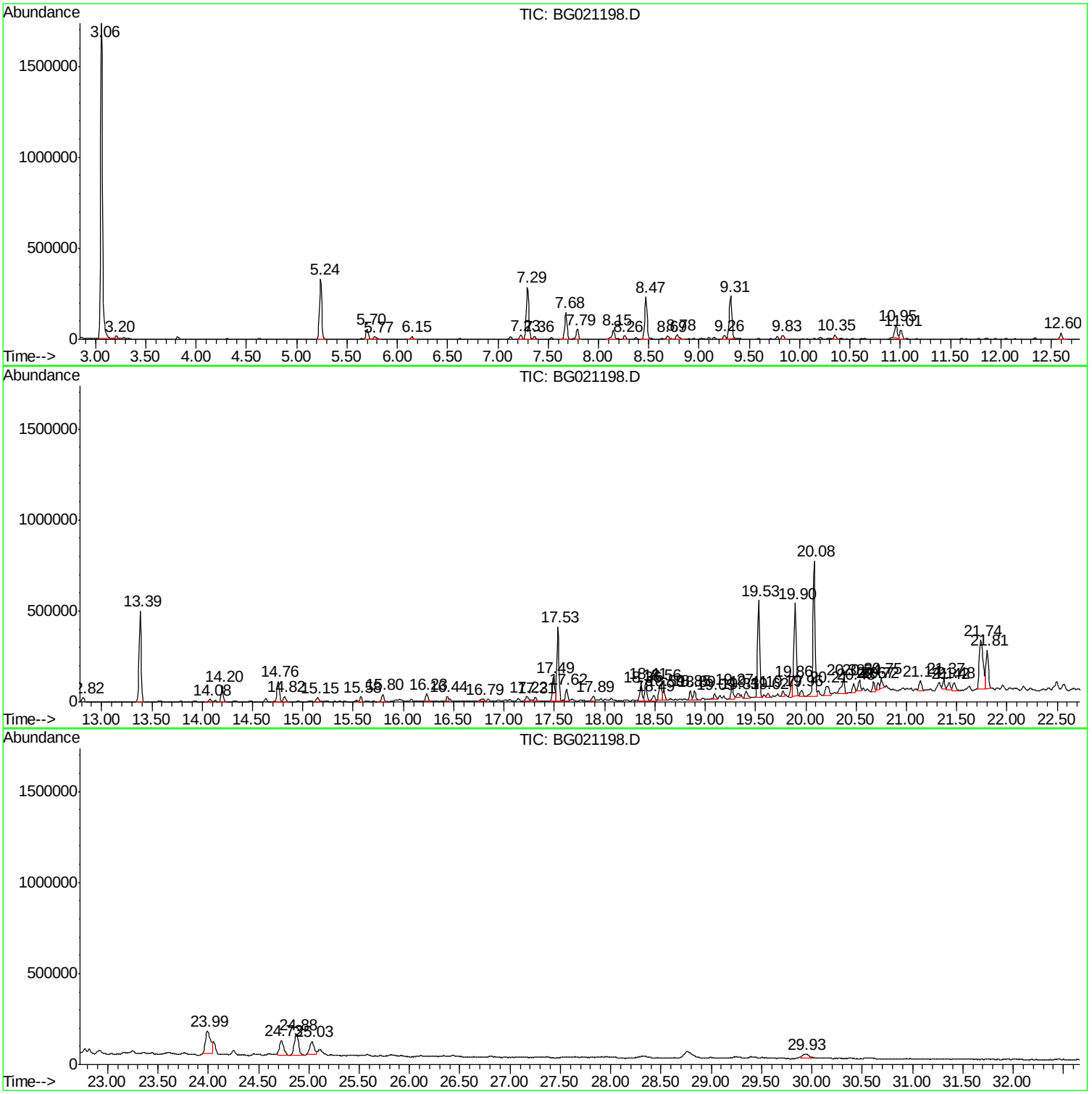
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021198.D
Acq On : 2 Mar 2016 00:22
Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021198.D
Acq On : 2 Mar 2016 00:22
Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

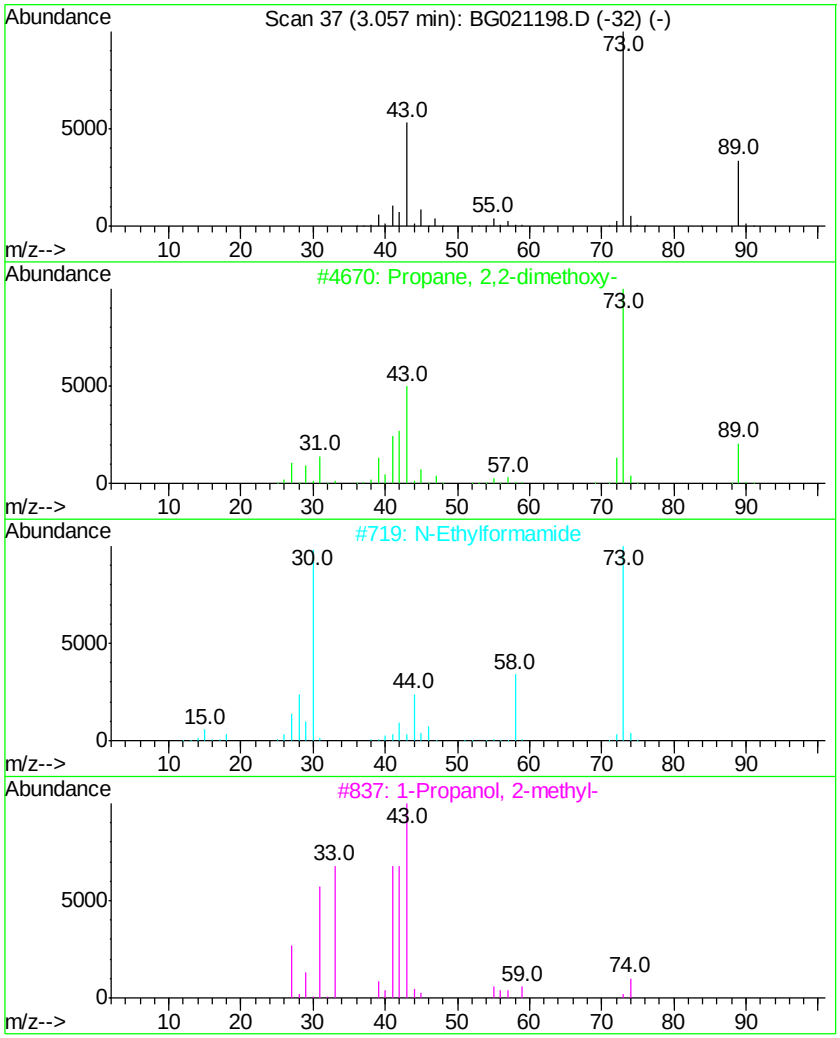
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

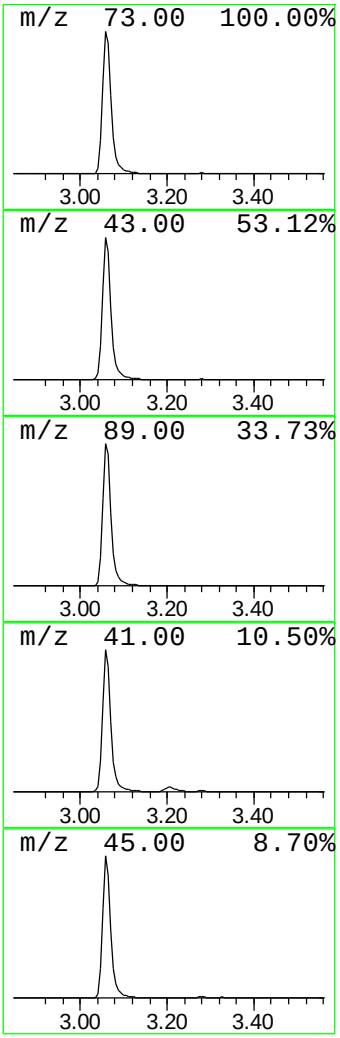
****

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.06	470.89 ng	2364680	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	56
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
4	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
5	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021198.D
Acq On : 2 Mar 2016 00:22
Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

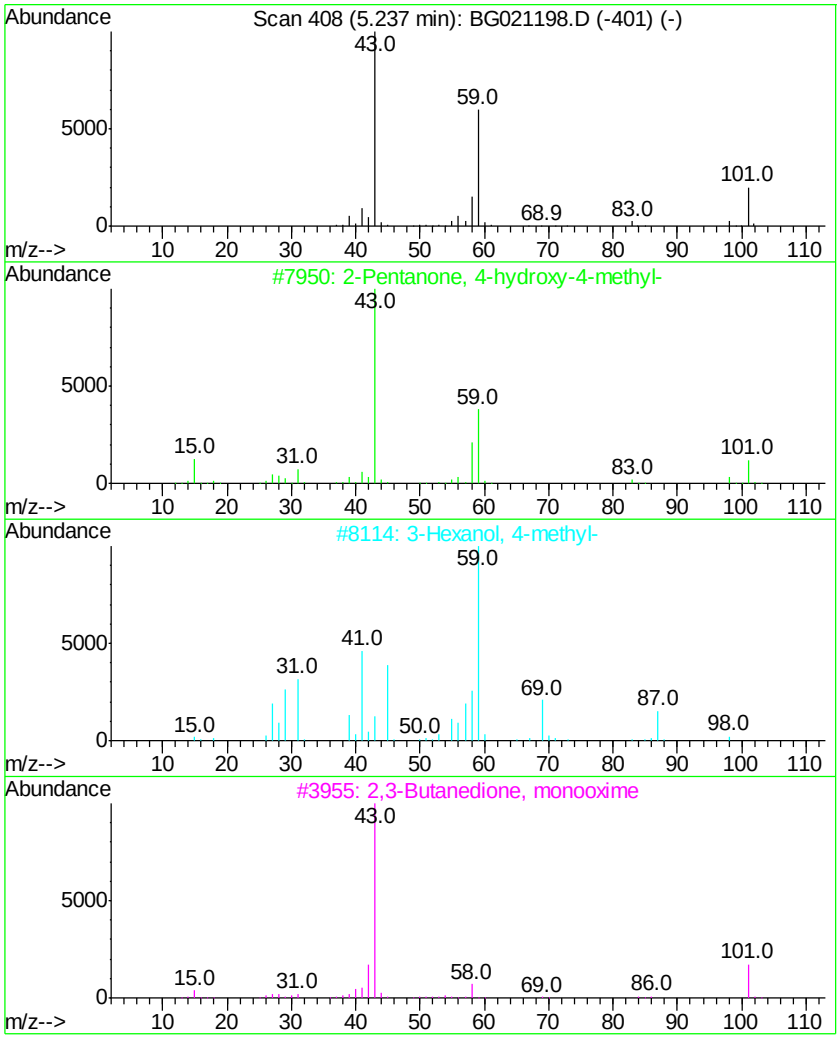
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

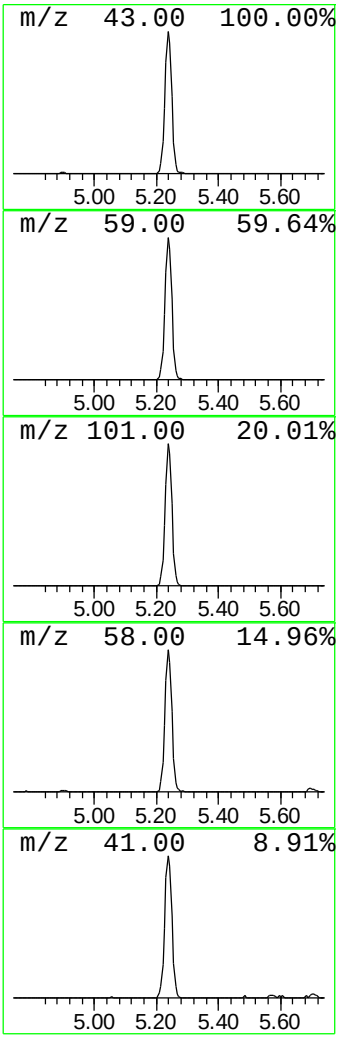
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.24	100.77 ng	506051	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021198.D
Acq On : 2 Mar 2016 00:22
Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

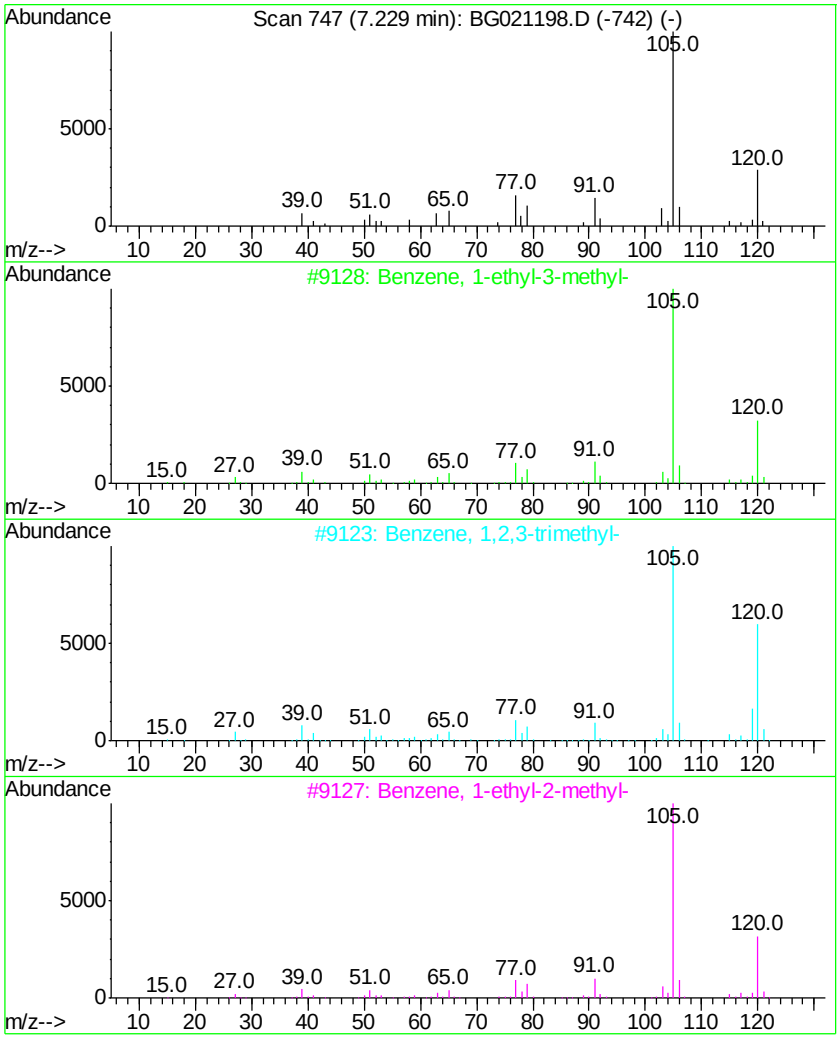
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

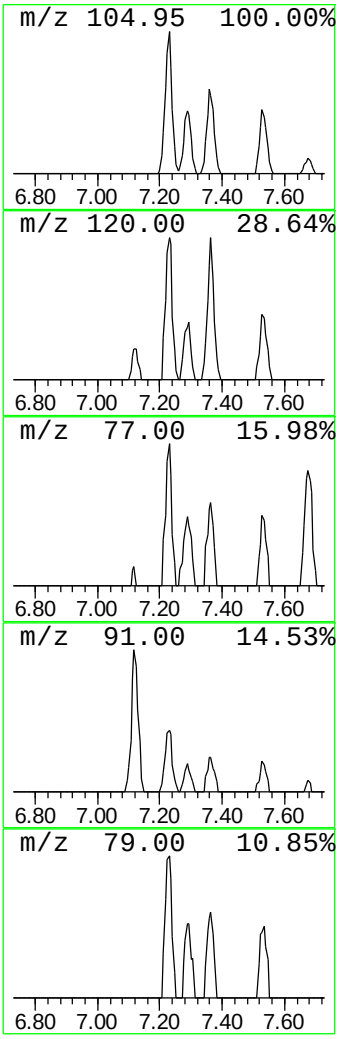
****

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	6.76 ng	33923	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021198.D
Acq On : 2 Mar 2016 00:22
Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

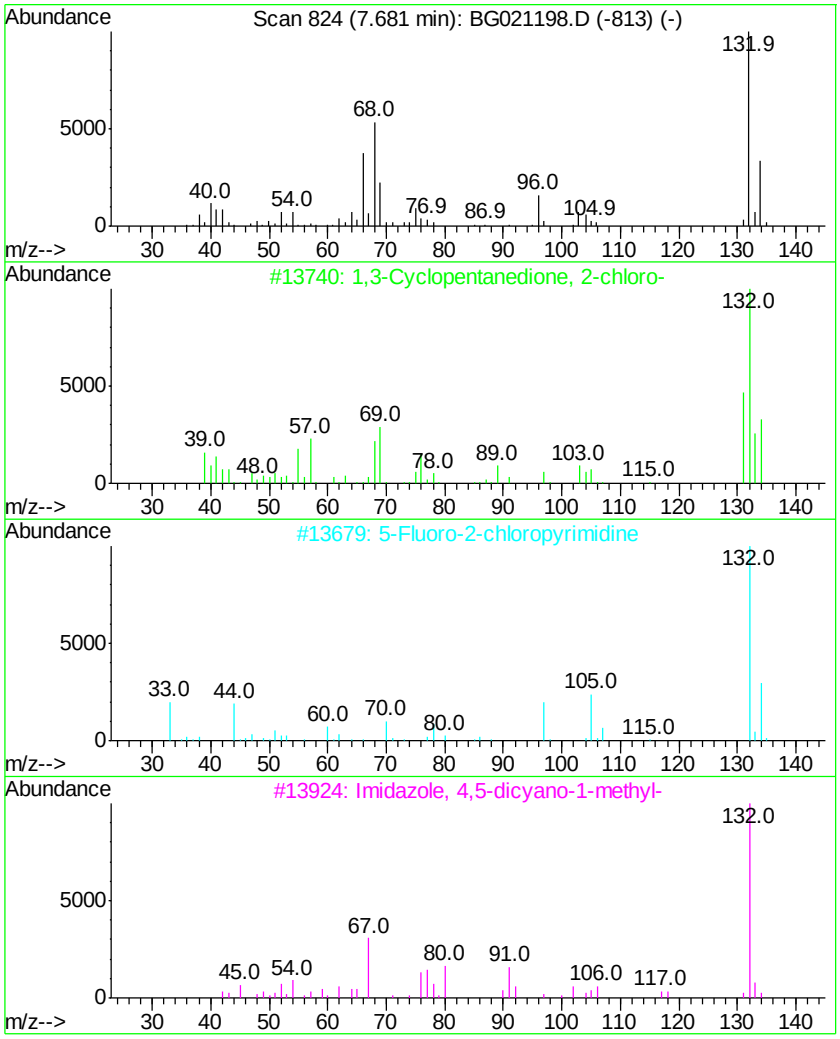
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

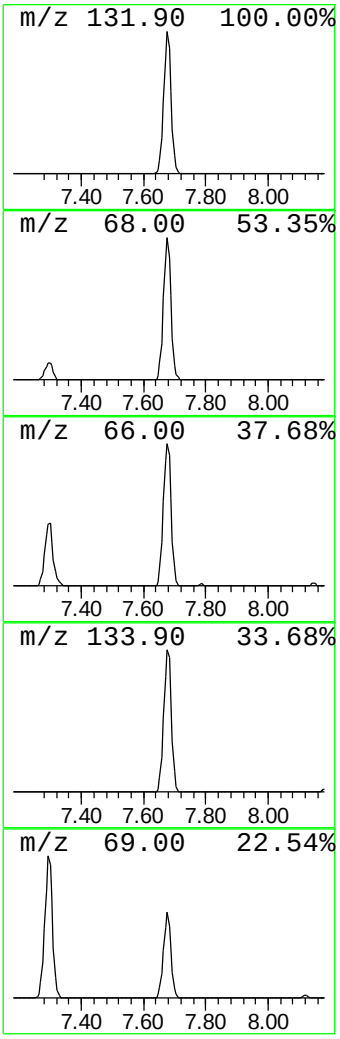
****

Peak Number 4 unknown7.68 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	49.64 ng	249268	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	35
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
3	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	22
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	12





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021198.D
Acq On : 2 Mar 2016 00:22
Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

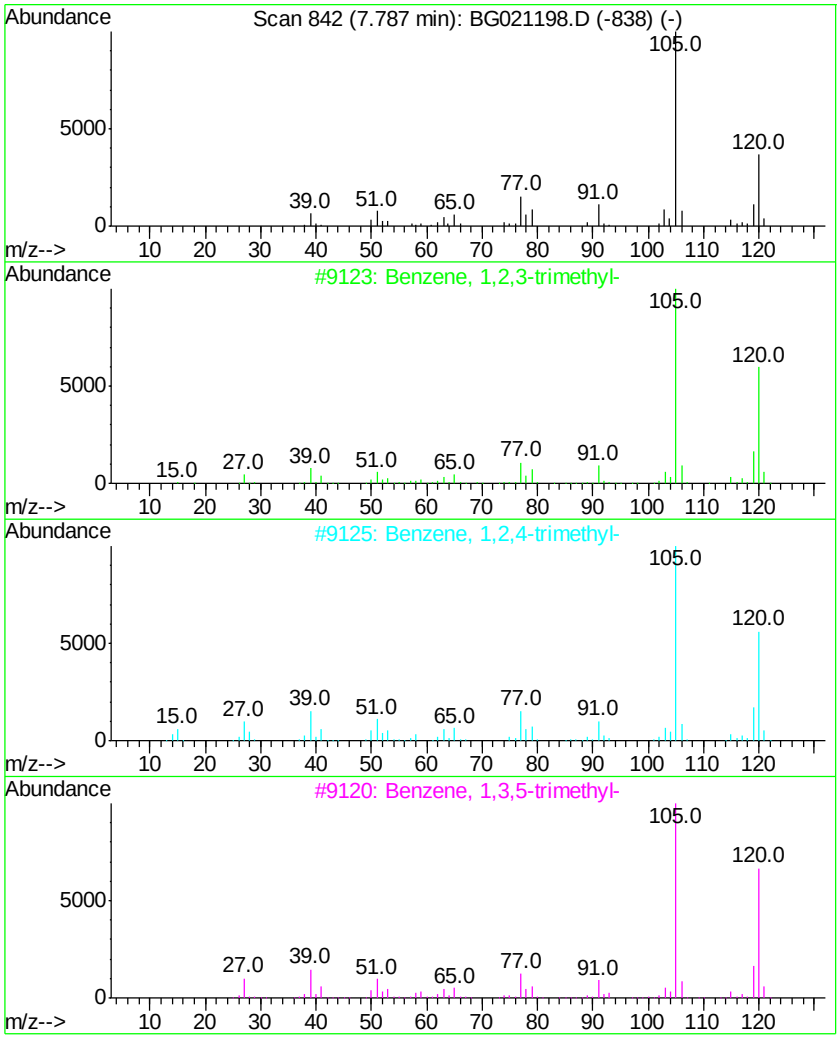
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

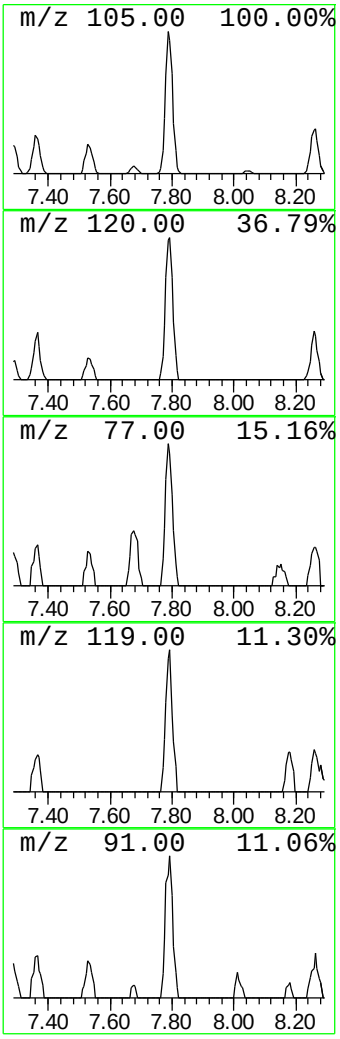
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	17.87 ng	89747	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021198.D
Acq On : 2 Mar 2016 00:22
Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

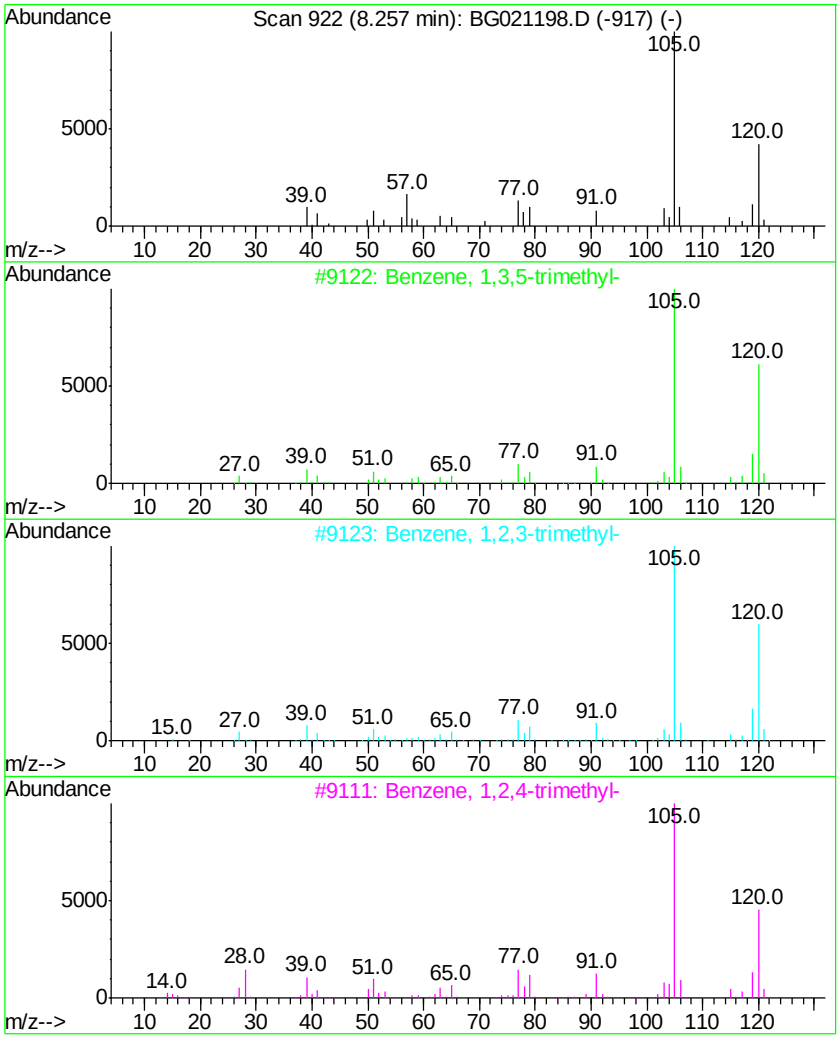
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

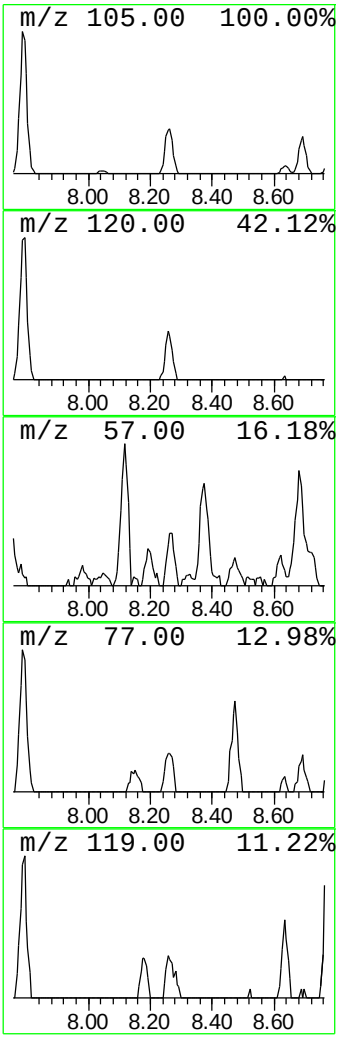
****

Peak Number 6 Benzene, 1,3,5-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	6.37 ng	31992	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021198.D
Acq On : 2 Mar 2016 00:22
Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

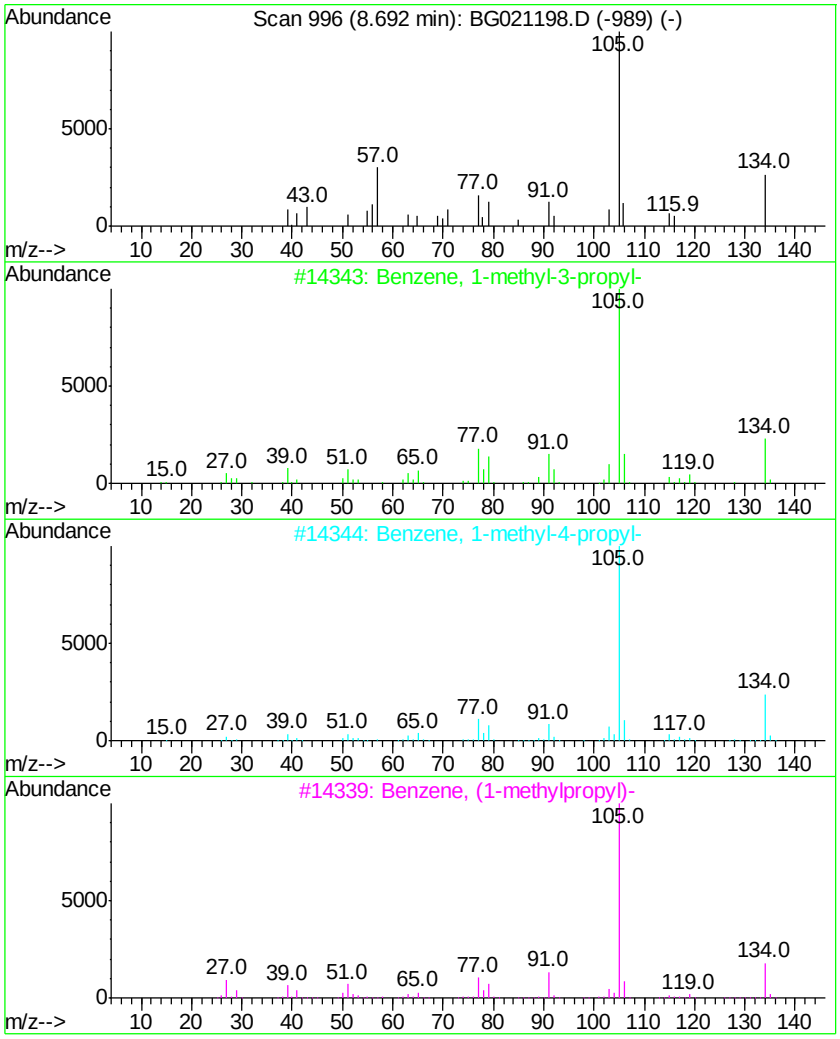
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

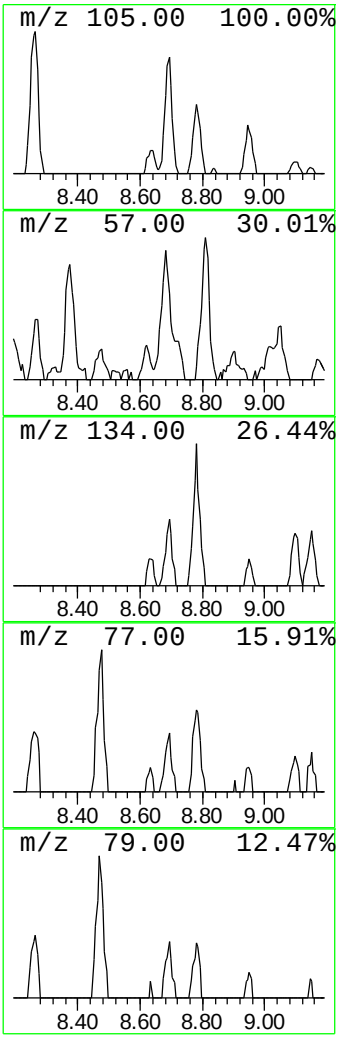
****

Peak Number 8 Benzene, 1-methyl-3-propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	7.72 ng	38788	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	70
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	58
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	52
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	50
5	2-Tolyloxirane	134	C9H10O	002783-26-8	49





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Acq On : 2 Mar 2016 00:22
Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

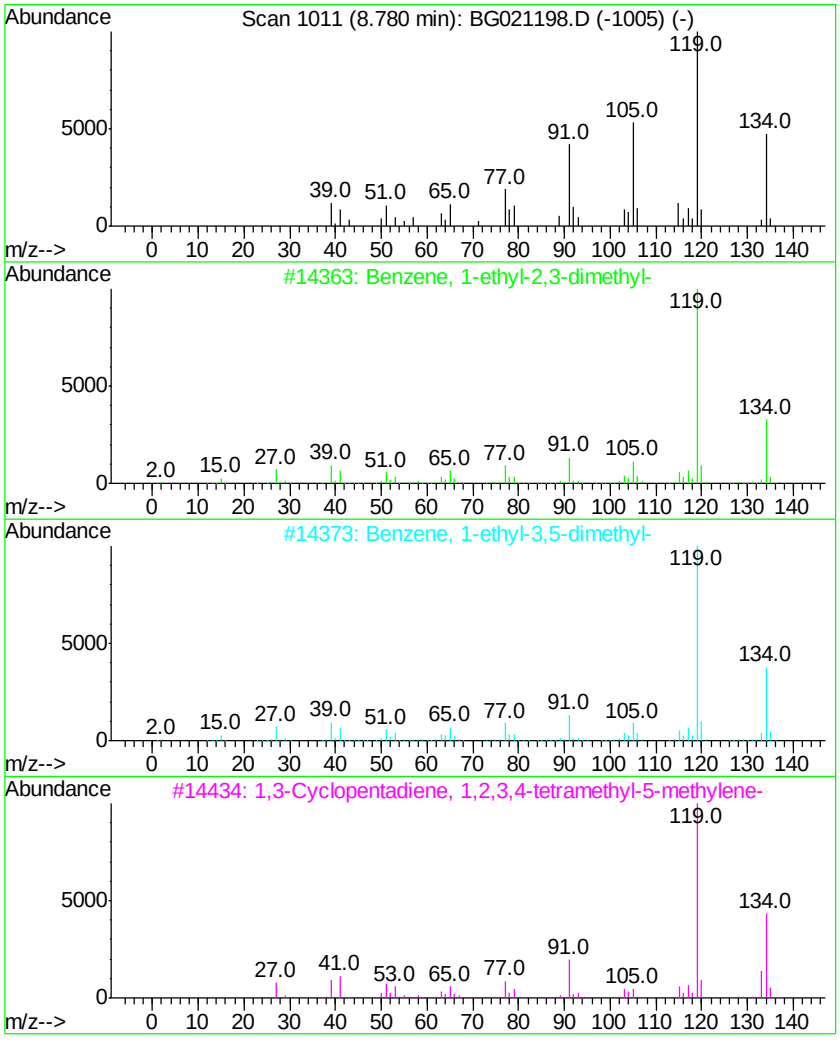
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

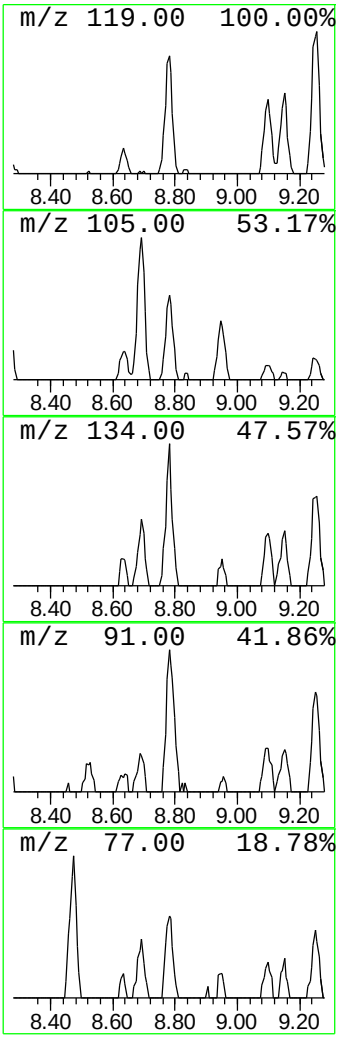
****

Peak Number 9 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.78	11.15 ng	56017	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





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Acq On : 2 Mar 2016 00:22
Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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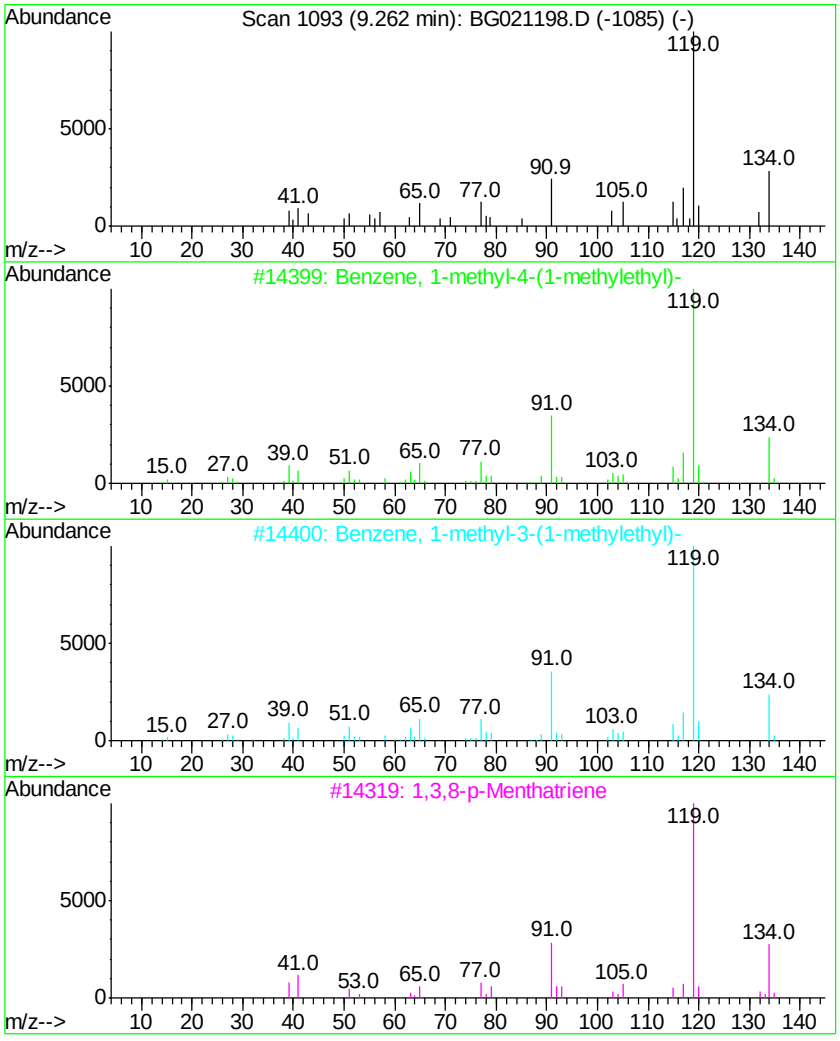
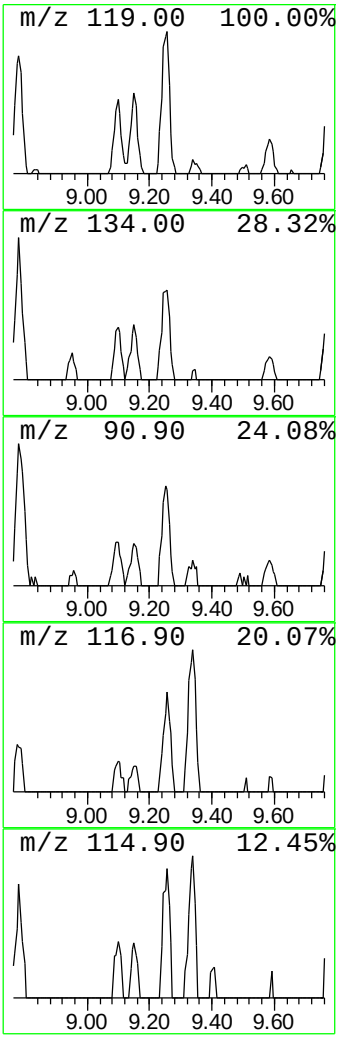
Peak Number 10 Benzene, 1-methyl-4-(1-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	7.35 ng	36894	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	93
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
3	1,3,8-p-Menthatriene	134	C10H14	021195-59-5	90
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87





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Acq On : 2 Mar 2016 00:22
Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

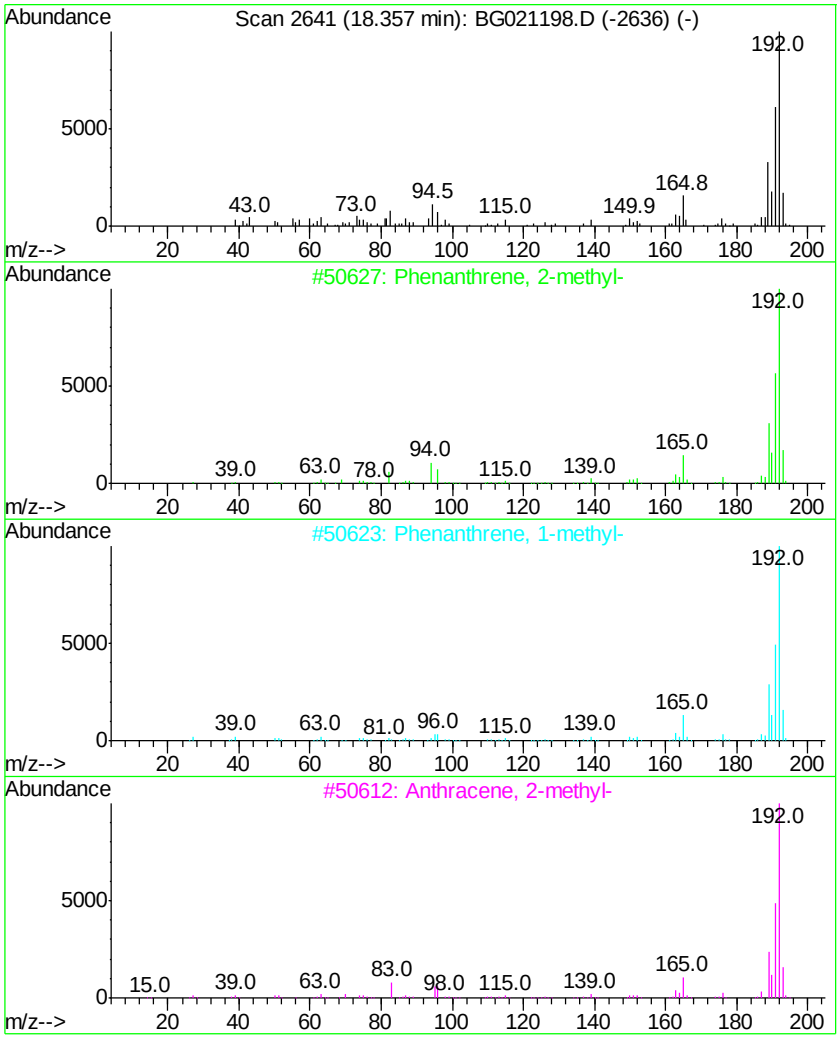
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

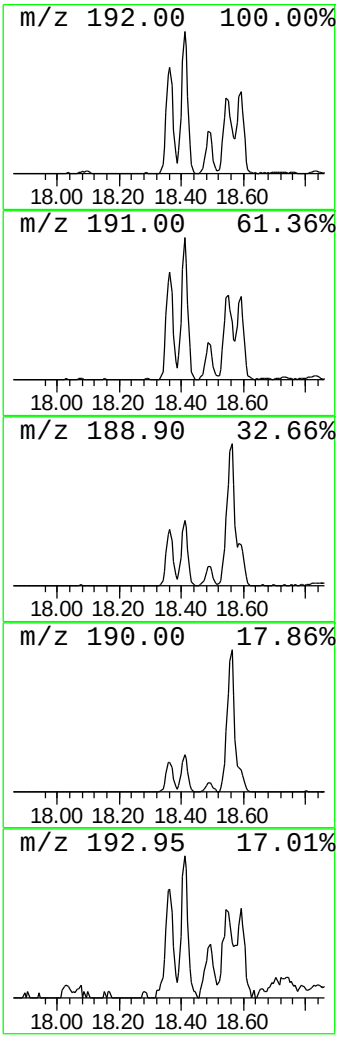
****

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	11.81 ng	128407	Phenanthrene-d10	17.49

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





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Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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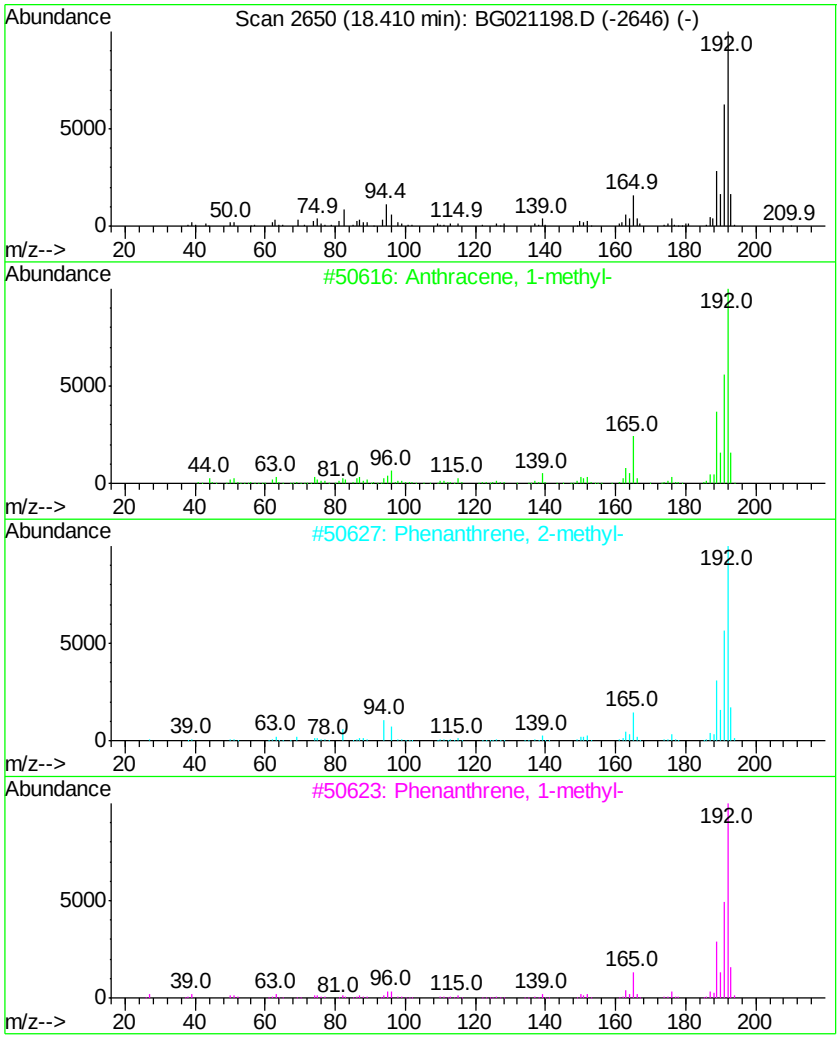
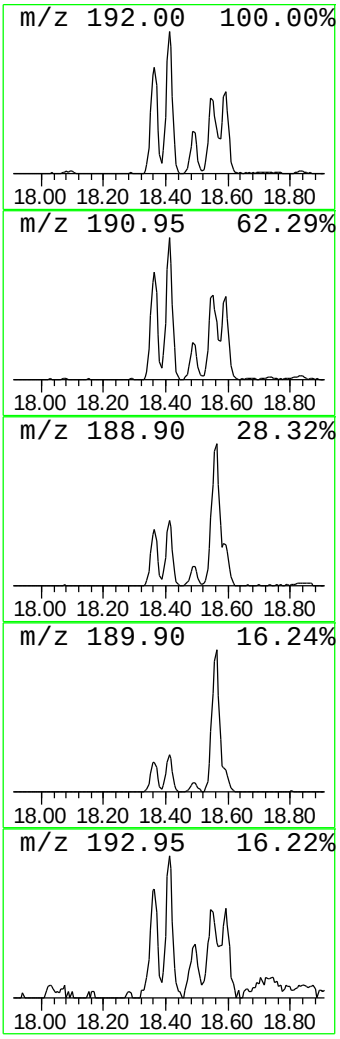
Peak Number 13 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	13.47 ng	146540	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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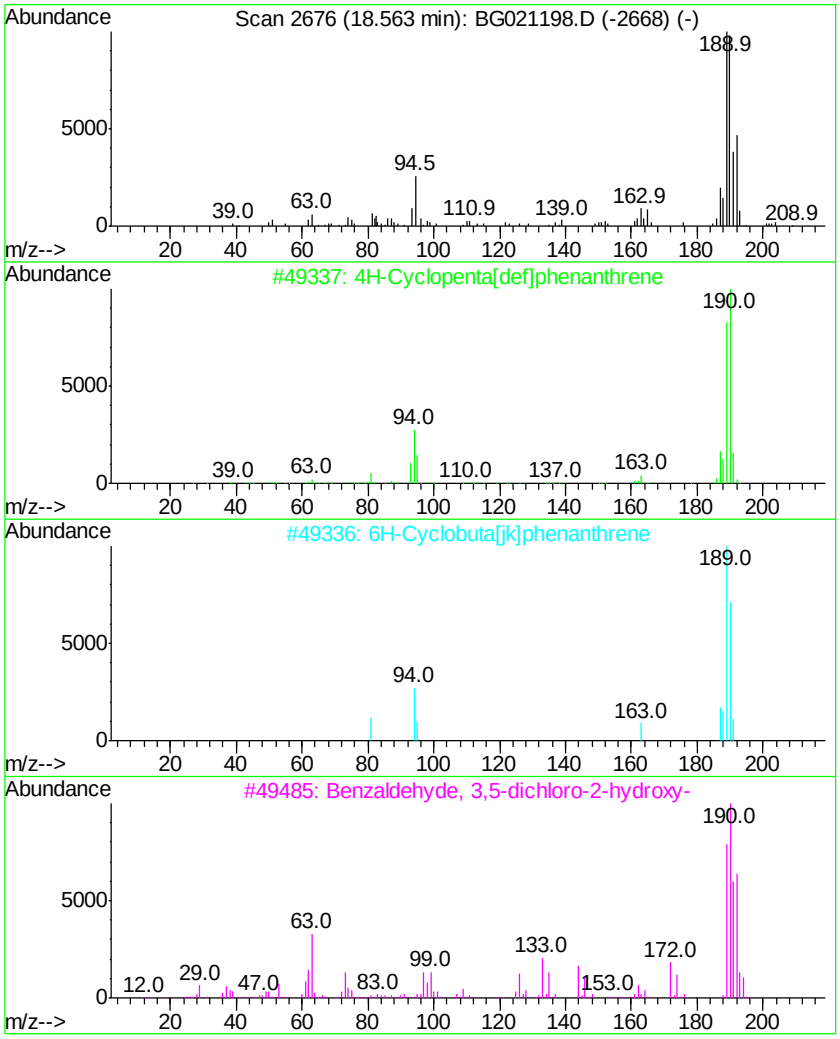
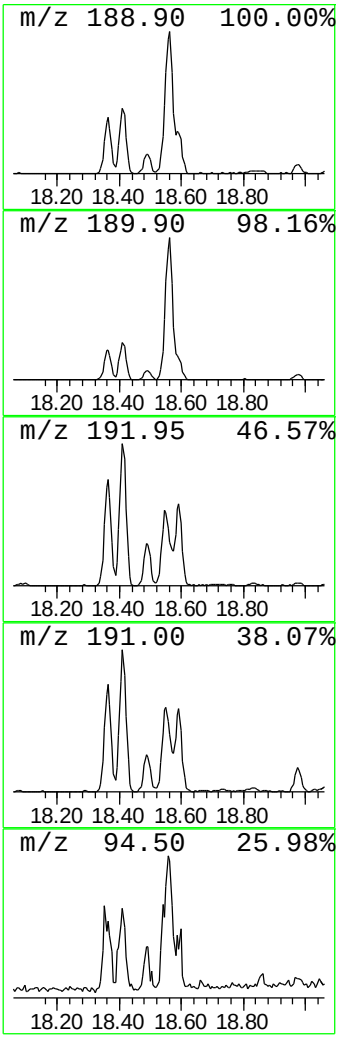
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	16.32 ng	177533	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	30





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Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

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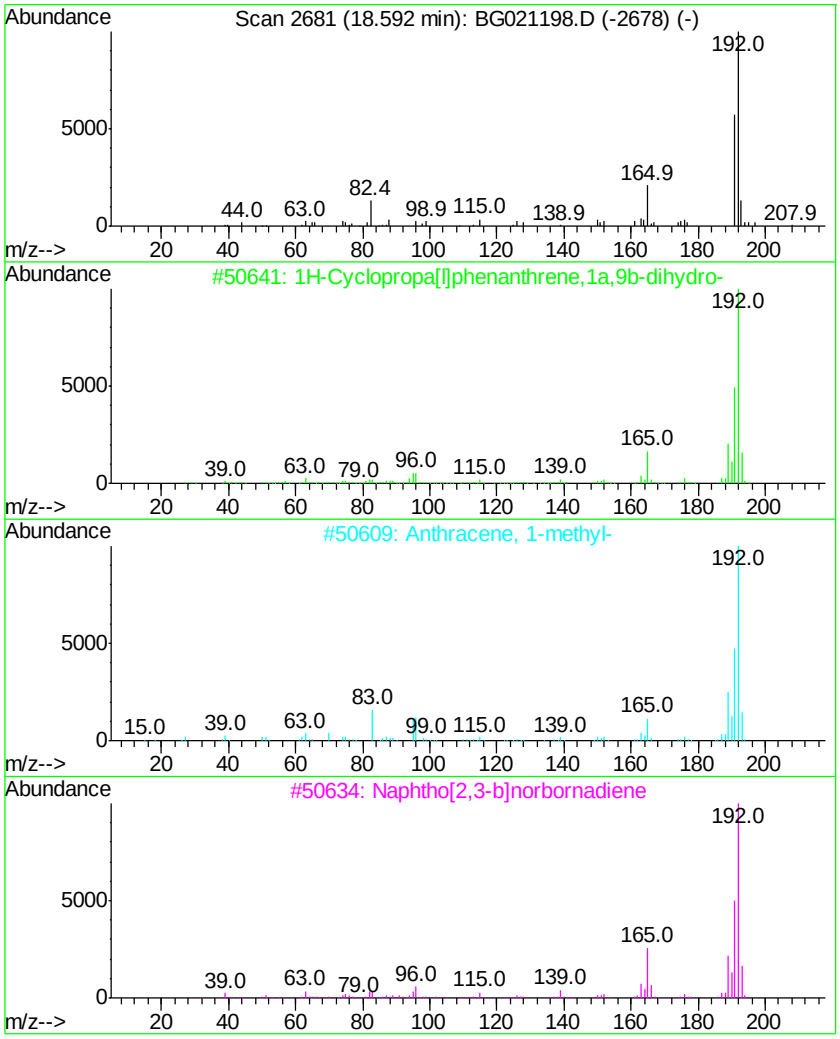
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

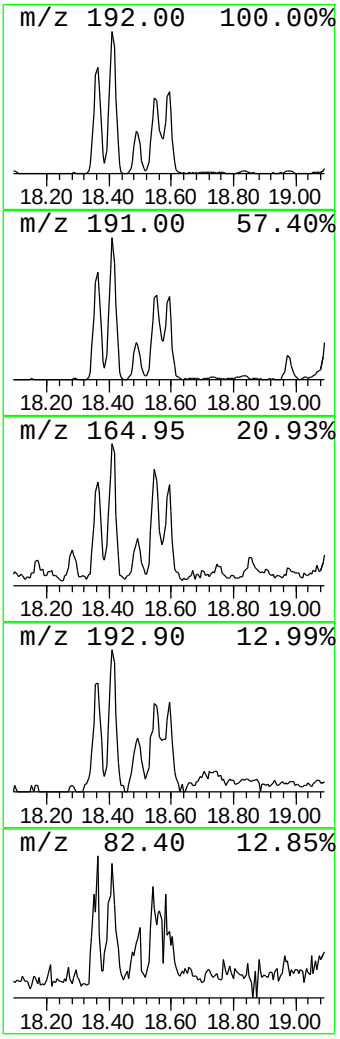
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	7.27 ng	79098	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	86
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83





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Sample : H1565-10
Misc :
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Instrument : BNA_G
ClientSampleId : DUP-1-20160223

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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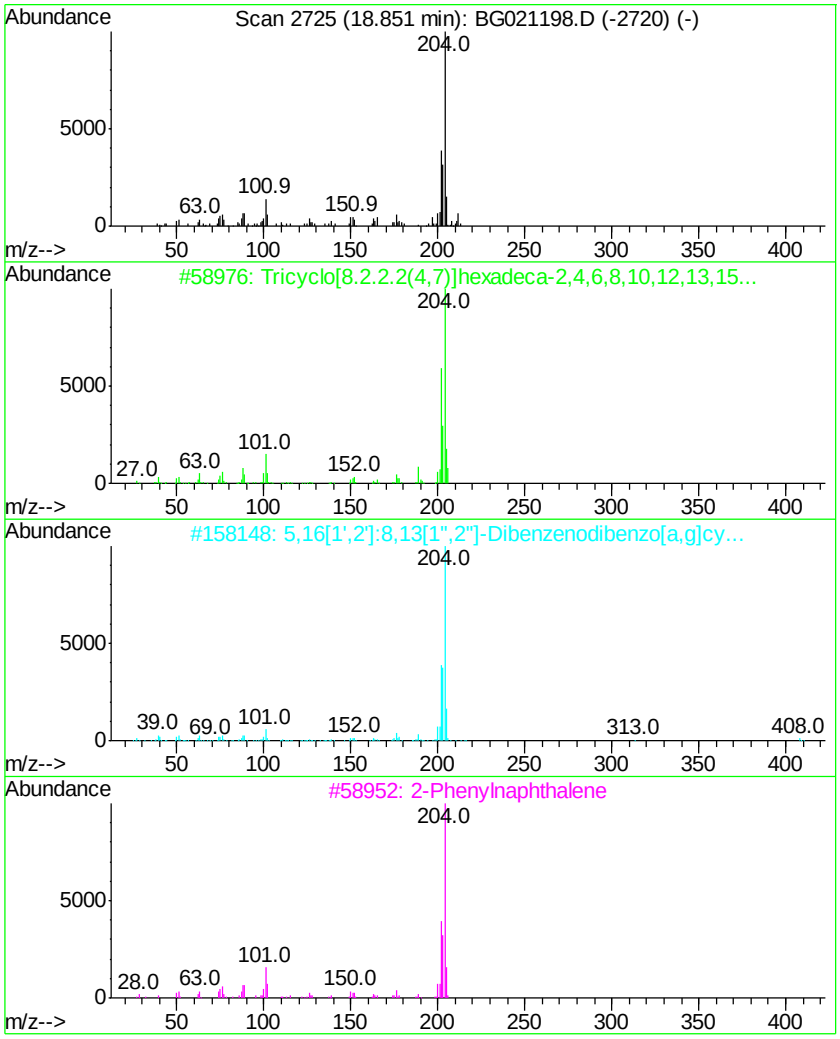
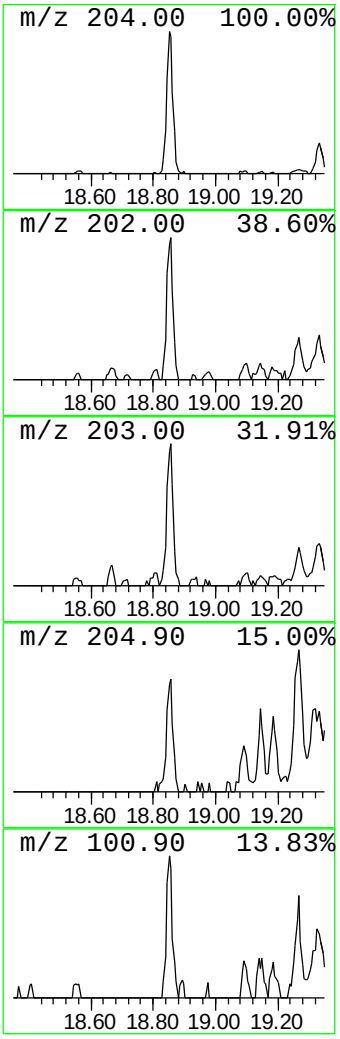
Peak Number 16 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	7.45 ng	81015	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





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ClientSampleId : DUP-1-20160223

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TIC Library : C:\DATABASE\NIST02.L
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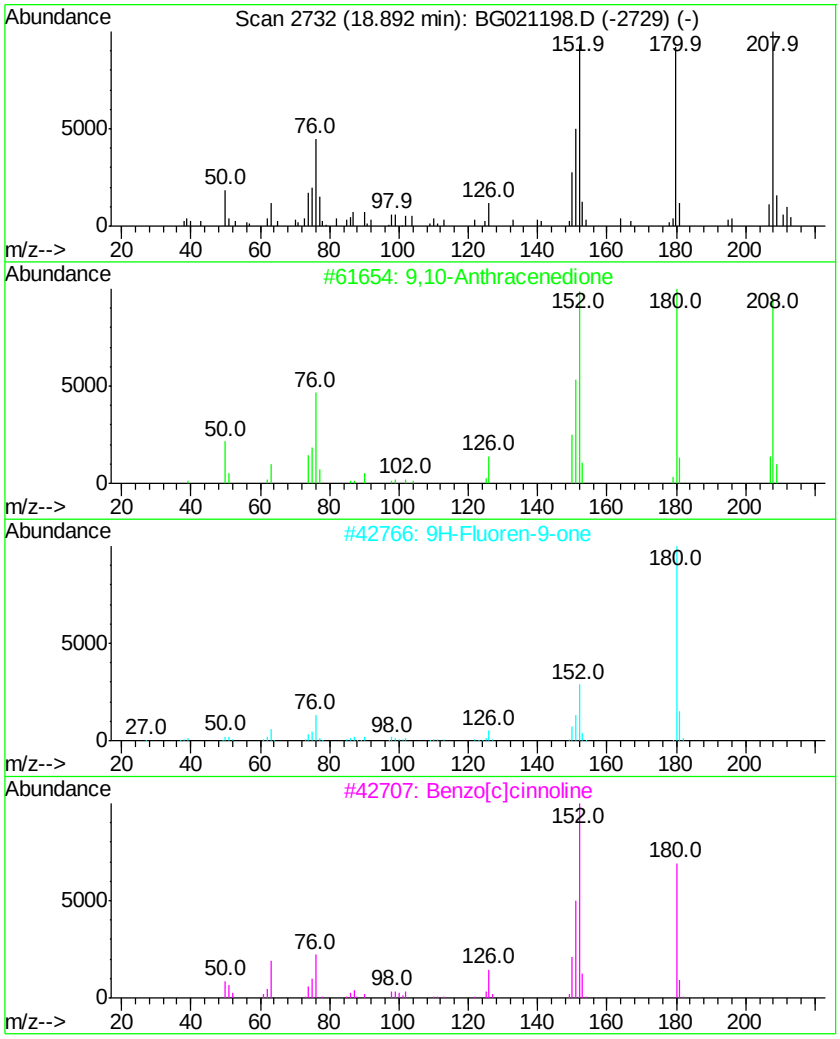
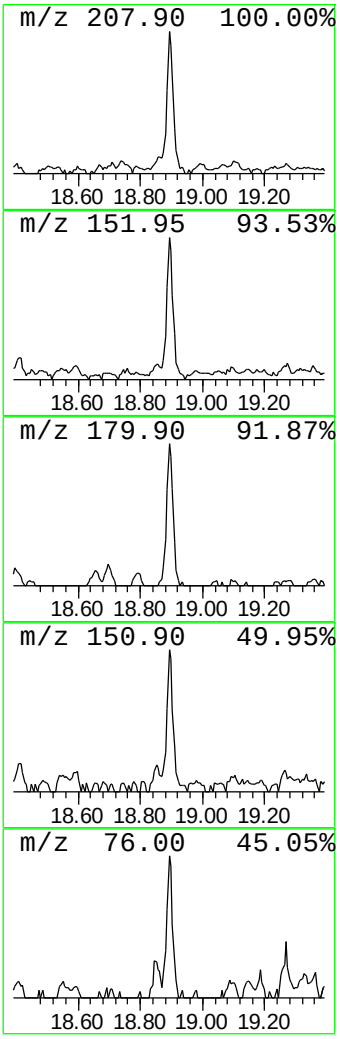
Peak Number 17 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	7.17 ng	77944	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	92
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50





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Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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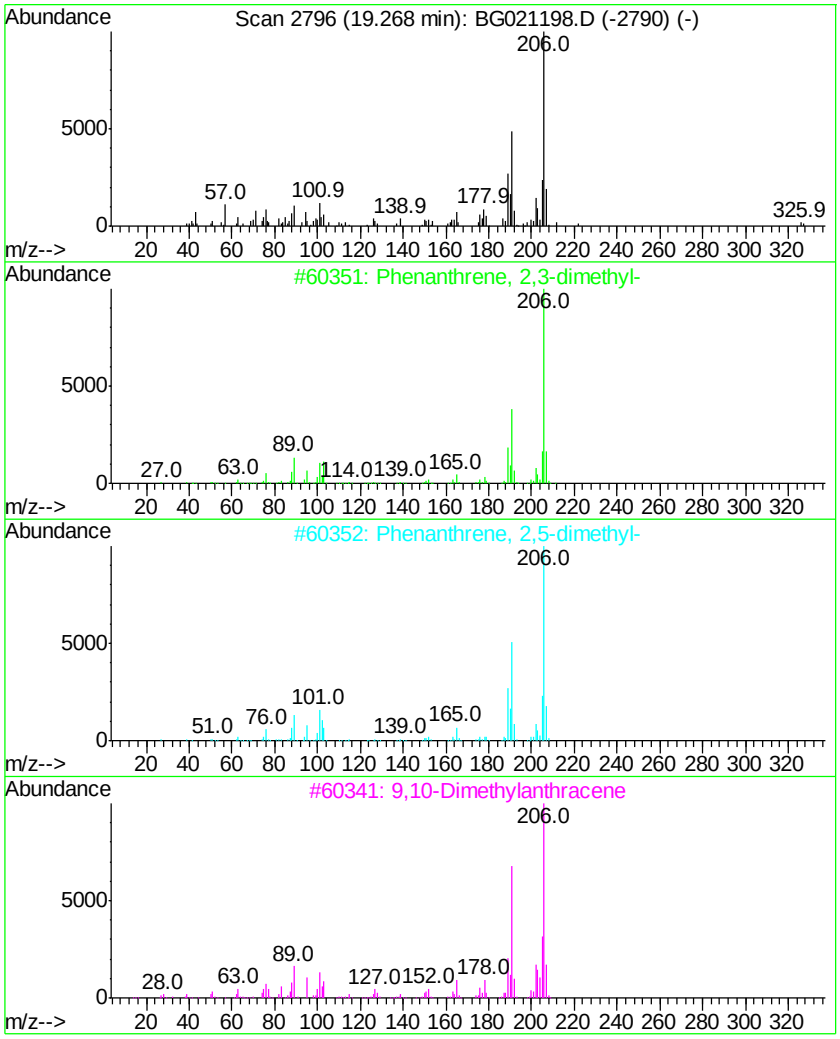
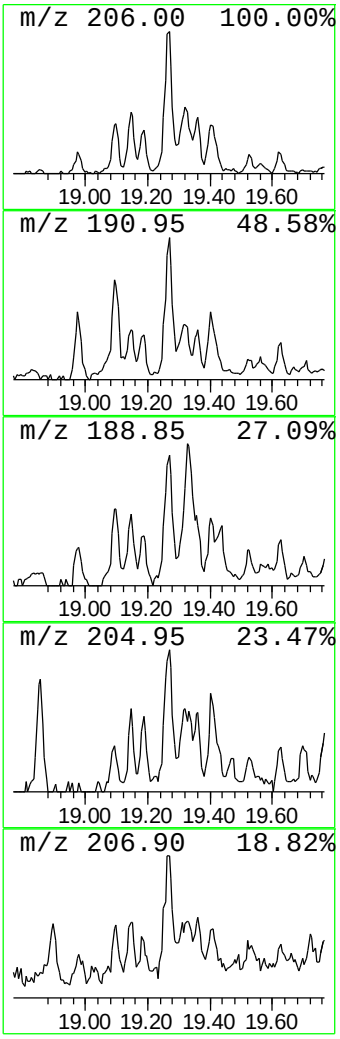
Peak Number 18 Phenanthrene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	9.98 ng	108563	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91





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Misc :
ALS Vial : 9 Sample Multiplier: 1

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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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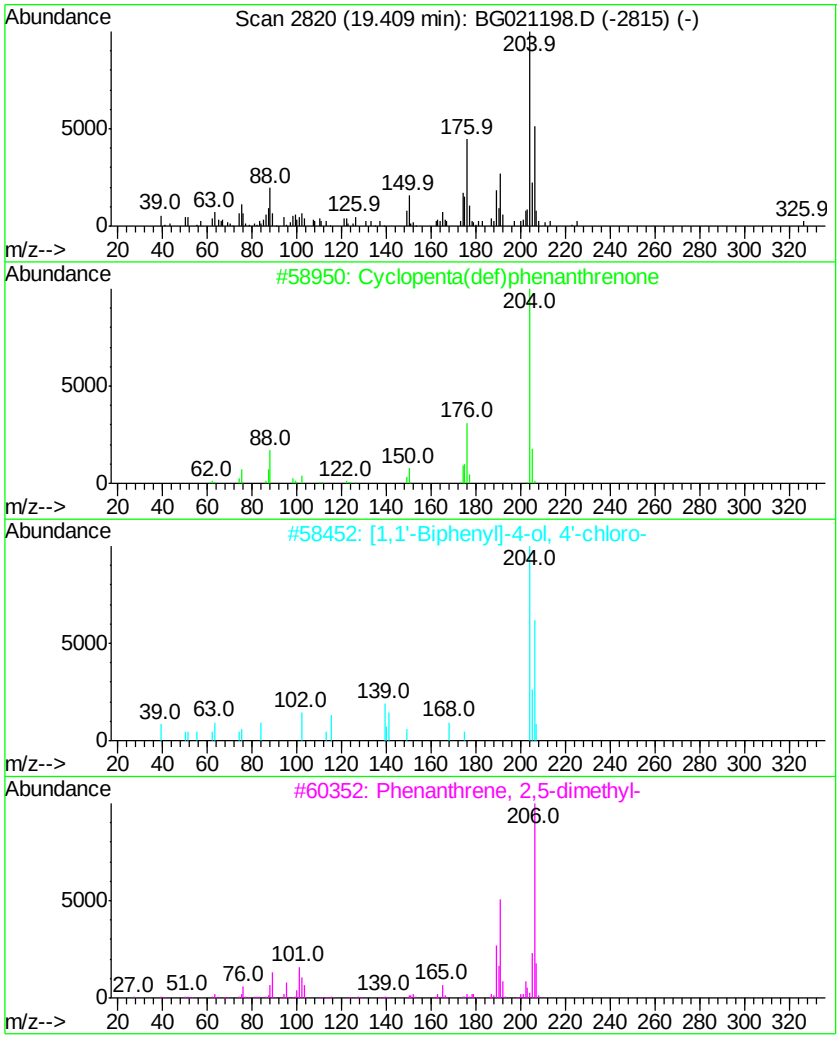
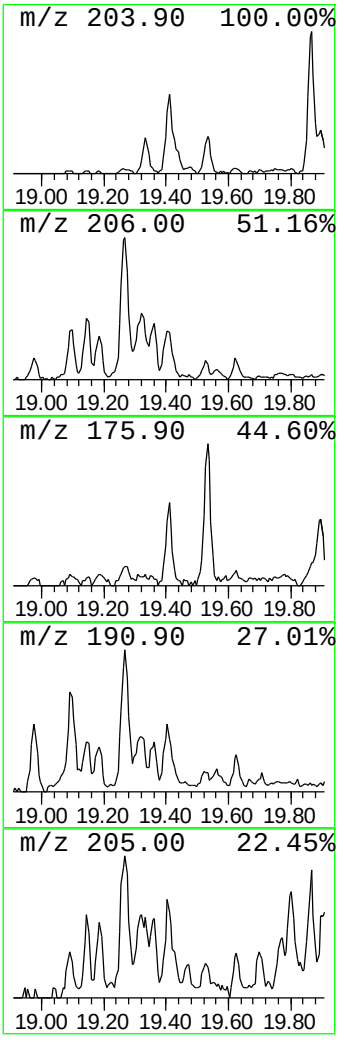
Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.41	7.28 ng	79142	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	42
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	35





Tentatively Identified Compound (LSC) summary

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Data File : BG021198.D
Acq On : 2 Mar 2016 00:22
Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 2,2-dime...	3.06	470.9	ng	2364680	1	8.15	100435	20.0
2-Pentanone, 4-hy...	5.24	100.8	ng	506051	1	8.15	100435	20.0
Benzene, 1-ethyl-...	7.23	6.8	ng	33923	1	8.15	100435	20.0
unknown7.68	7.68	49.6	ng	249268	1	8.15	100435	20.0
Benzene, 1,2,3-tr...	7.79	17.9	ng	89747	1	8.15	100435	20.0
Benzene, 1,3,5-tr...	8.26	6.4	ng	31992	1	8.15	100435	20.0
Benzene, 1-methyl...	8.69	7.7	ng	38788	1	8.15	100435	20.0
Benzene, 1-ethyl-...	8.78	11.2	ng	56017	1	8.15	100435	20.0
Benzene, 1-methyl...	9.26	7.3	ng	36894	1	8.15	100435	20.0
Phenanthrene, 2-m...	18.36	11.8	ng	128407	4	17.49	217546	20.0
Anthracene, 1-met...	18.41	13.5	ng	146540	4	17.49	217546	20.0
4H-Cyclopenta[def...	18.56	16.3	ng	177533	4	17.49	217546	20.0
1H-Cyclopropa[l]p...	18.59	7.3	ng	79098	4	17.49	217546	20.0
Tricyclo[8.2.2.2(...	18.85	7.5	ng	81015	4	17.49	217546	20.0
9,10-Anthracenedione	18.89	7.2	ng	77944	4	17.49	217546	20.0
Phenanthrene, 2,3...	19.27	10.0	ng	108563	4	17.49	217546	20.0
Cyclopenta(def)ph...	19.41	7.3	ng	79142	4	17.49	217546	20.0