LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098974.D
Acq On : 30 Sep 2017 20:35
Operator : SJ/JU
Sample : I5563-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-2

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_F\METHODS\8270-BF092317.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	5.134	515	518	534	rVB	221302	243747	5.04%	0.292%
2	5.534	576	586	589	rBV	1689898	1541066	31.86%	1.848%
3	5.687	609	612	618	rBV3	148320	225909	4.67%	0.271%
4	5.739	618	621	624	rVV	403022	369682	7.64%	0.443%
5	5.781	624	628	634	rVB4	346205	399892	8.27%	0.480%
6	5.945	647	656	659	rBV3	705924	1115546	23.06%	1.338%
7	5.987	659	663	667	rBV3	501486	770415	15.93%	0.924%
8	6.081	674	679	682	rVB2	1086114	1356099	28.04%	1.627%
9	6.116	682	685	688	rBV	515695	535932	11.08%	0.643%
10	6.175	688	695	700	rVV2	1649302	3008837	62.21%	3.609%
11	6.222	700	703	705	rVV	985067	952344	19.69%	1.142%
12	6.251	705	708	712	rVV3	366366	640444	13.24%	0.768%
13	6.281	712	713	715	rVV	315581	211053	4.36%	0.253%
14	6.310	715	718	721	rVB2	220655	239009	4.94%	0.287%
15	6.357	721	726	729	rBV3	1056448	1359985	28.12%	1.631%
16	6.410	729	735	738	rVB3	415293	570644	11.80%	0.684%
17	6.451	738	742	750	rBV4	969720	1845984	38.16%	2.214%
18	6.539	750	757	760	rVV	1847255	1949081	40.30%	2.338%
19	6.569	760	762	764	rVV	571911	551471	11.40%	0.661%
20	6.592	764	766	768	rVV2	758744	619828	12.81%	0.743%
21	6.616	768	770	772	rVV	373391	319750	6.61%	0.384%
22	6.657	772	777	779	rVV	939488	1256433	25.98%	1.507%
23	6.686	779	782	789	rVB2	2012410	2586623	53.48%	3.102%
24	6.757	789	794	795	rBV3	477306	589850	12.19%	0.707%
25	6.775	795	797	799	rVV	500663	390668	8.08%	0.469%
26	6.834	804	807	808	rVV2	229680	240341	4.97%	0.288%
27	6.875	811	814	816	rVV4	237515	365978	7.57%	0.439%
28	6.916	818	821	825	rVV2	1293988	1312249	27.13%	1.574%
29	6.969	827	830	833	rVB4	144514	190851	3.95%	0.229%
30	7.075	842	848	850	rBV2	1279271	1440058	29.77%	1.727%
31	7.475	912	916	919	rVB	1116156	890958	18.42%	1.069%
32	8.198	1035	1039	1041	rBV	1308401	1114050	23.03%	1.336%
33	8.222	1041	1043	1046	rVV	676212	520611	10.76%	0.624%
34	8.910	1157	1160	1163	rBV	444667	347346	7.18%	0.417%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I5563-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-2

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_F\METHODS\8270-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.010	1173	1177	1180	rVB	358160	293417	6.07%	0.352%
36	9.269	1217	1221	1226	rVB	1816594	1490994	30.83%	1.788%
37	9.539	1261	1267	1270	rBV	148231	206369	4.27%	0.248%
38	9.610	1274	1279	1282	rVV	274264	293094	6.06%	0.352%
39	9.663	1285	1288	1294	rVV	281945	260296	5.38%	0.312%
40	9.816	1311	1314	1317	rVB2	302765	249204	5.15%	0.299%
41	9.957	1335	1338	1340	rVV	1095374	977175	20.20%	1.172%
42	9.986	1340	1343	1346	rVV	925187	723834	14.96%	0.868%
43	10.157	1367	1372	1376	rVV	536123	518972	10.73%	0.622%
44	10.504	1427	1431	1435	rVB	874932	800492	16.55%	0.960%
45	10.657	1455	1457	1460	rVB	236021	191342	3.96%	0.229%
46	10.739	1465	1471	1475	rBV	904739	910078	18.82%	1.092%
47	11.051	1518	1524	1526	rBV3	225592	276926	5.73%	0.332%
48	11.292	1561	1565	1568	rVV2	166361	221405	4.58%	0.266%
49	11.339	1568	1573	1578	rVB	383490	392553	8.12%	0.471%
50	11.445	1587	1591	1593	rBV	855209	926928	19.16%	1.112%
51	11.474	1593	1596	1599	rVV	3843648	3705134	76.60%	4.444%
52	11.521	1599	1604	1606	rVV	1657718	1368893	28.30%	1.642%
53	11.551	1606	1609	1612	rVV2	208852	230882	4.77%	0.277%
54	11.669	1623	1629	1636	rVV2	426777	636209	13.15%	0.763%
55	11.945	1670	1676	1678	rBV	715455	661613	13.68%	0.794%
56	11.974	1678	1681	1683	rVV	995655	924563	19.11%	1.109%
57	11.998	1683	1685	1688	rVV	2848507	2699614	55.81%	3.238%
58	12.021	1688	1689	1692	rVV	507469	295483	6.11%	0.354%
59	12.063	1692	1696	1698	rVV	1105392	1274188	26.34%	1.528%
60	12.080	1698	1699	1703	rVV	560850	318148	6.58%	0.382%
61	12.239	1723	1726	1729	rVV	519295	448536	9.27%	0.538%
62	12.498	1767	1770	1772	rVV	318878	336844	6.96%	0.404%
63	12.539	1774	1777	1778	rVV2	249107	249961	5.17%	0.300%
64	12.586	1782	1785	1790	rVB4	171738	252296	5.22%	0.303%
65	12.668	1794	1799	1802	rBV	3850931	4307175	89.05%	5.166%
66	12.757	1811	1814	1816	rBV	222347	196550	4.06%	0.236%
67	12.898	1831	1838	1842	rBV2	3509182	4836863	100.00%	5.801%
68	12.939	1842	1845	1849	rVB2	281700	333705	6.90%	0.400%
69	13.004	1853	1856	1857	rBV	309569	276837	5.72%	0.332%
70	13.027	1857	1860	1862	rVB	908447	750250	15.51%	0.900%
71	13.110	1868	1874	1877	rBV2	373981	639686	13.23%	0.767%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I5563-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-2

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_F\METHODS\8270-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.192	1885	1888	1889	rVV3	254046	284916	5.89%	0.342%
73	13.215	1889	1892	1895	rVB	955354	911406	18.84%	1.093%
74	13.280	1900	1903	1906	rVV	732162	713203	14.75%	0.855%
75	13.321	1906	1910	1913	rVV2	501016	589838	12.19%	0.707%
76	13.415	1923	1926	1928	rBV	251516	218743	4.52%	0.262%
77	13.445	1928	1931	1934	rBV	295311	290908	6.01%	0.349%
78	13.727	1976	1979	1984	rVB2	205287	237649	4.91%	0.285%
79	13.810	1990	1993	1995	rBV2	312708	328668	6.80%	0.394%
80	13.839	1995	1998	2000	rVV2	841088	792966	16.39%	0.951%
81	13.863	2000	2002	2004	rVB	371314	278676	5.76%	0.334%
82	13.892	2004	2007	2012	rBV3	238019	400853	8.29%	0.481%
83	14.004	2021	2026	2031	rBV	120442	277415	5.74%	0.333%
84	14.051	2031	2034	2036	rVV	477989	516335	10.67%	0.619%
85	14.086	2036	2040	2043	rVV3	2254645	3273494	67.68%	3.926%
86	14.115	2043	2045	2052	rVB	1780153	1807395	37.37%	2.168%
87	14.198	2056	2059	2062	rVV	389314	358056	7.40%	0.429%
88	14.310	2074	2078	2082	rBV2	189989	269523	5.57%	0.323%
89	14.468	2103	2105	2108	rVV	398610	412966	8.54%	0.495%
90	14.504	2109	2111	2114	rVV	223808	198889	4.11%	0.239%
91	14.568	2120	2122	2124	rVV	233738	203940	4.22%	0.245%
92	14.615	2125	2130	2135	rVB3	763438	931011	19.25%	1.117%
93	15.151	2215	2221	2224	rBV	1064622	1928199	39.86%	2.313%
94	15.257	2236	2239	2242	rVB	241039	246777	5.10%	0.296%
95	15.457	2269	2273	2279	rVB	588442	877207	18.14%	1.052%
96	15.527	2280	2285	2290	rVV	1061366	1312474	27.13%	1.574%
97	15.586	2291	2295	2298	rVV	461842	602271	12.45%	0.722%
98	15.615	2298	2300	2308	rVB2	286075	391358	8.09%	0.469%
99	17.103	2547	2553	2561	rVB2	339733	675899	13.97%	0.811%
100	17.562	2626	2631	2642	rVB	235878	494112	10.22%	0.593%

Sum of corrected areas: 83374390

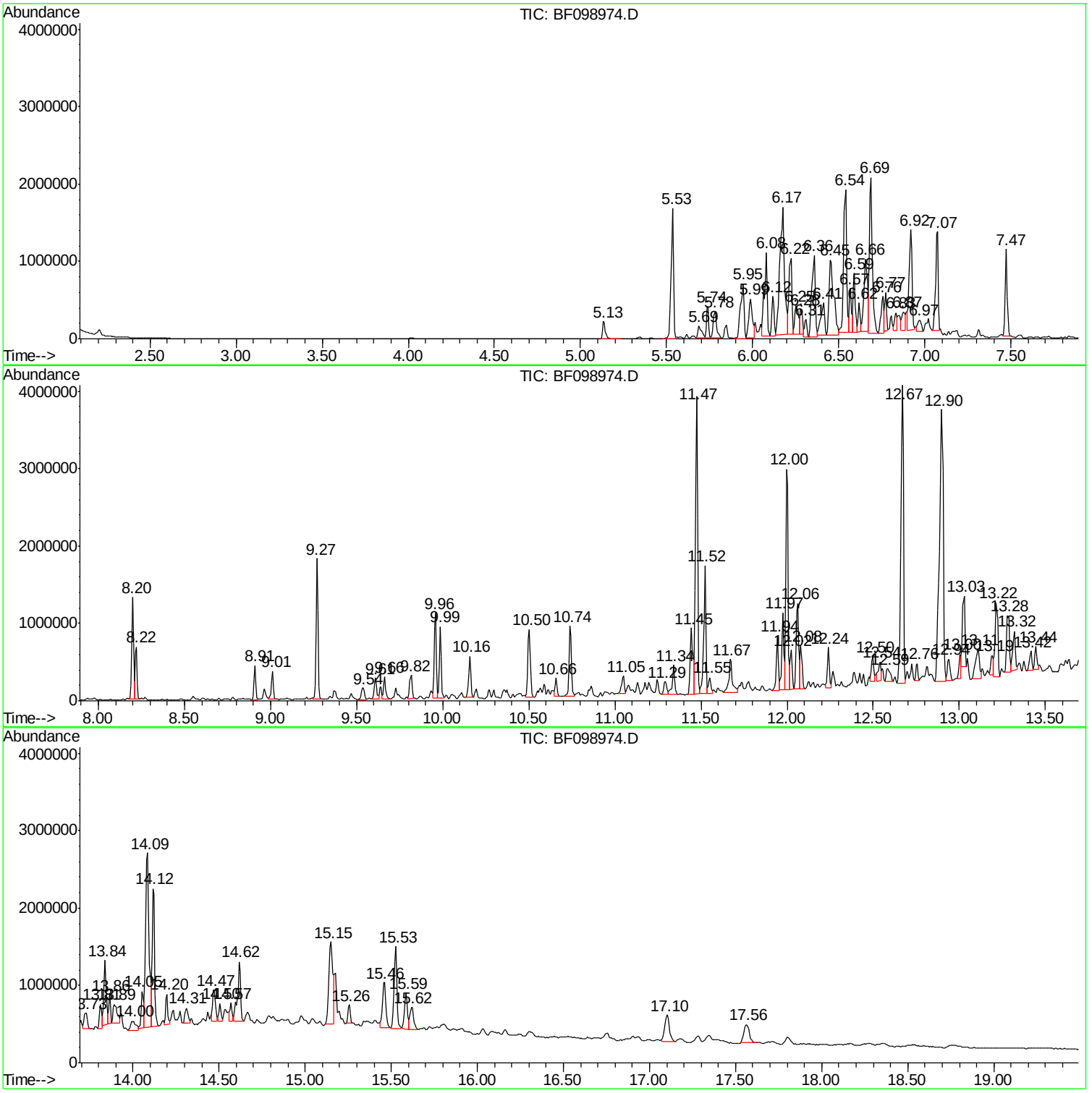
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098974.D
Acq On : 30 Sep 2017 20:35
Operator : SJ/JU
Sample : I5563-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098974.D
Acq On : 30 Sep 2017 20:35
Operator : SJ/JU
Sample : I5563-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

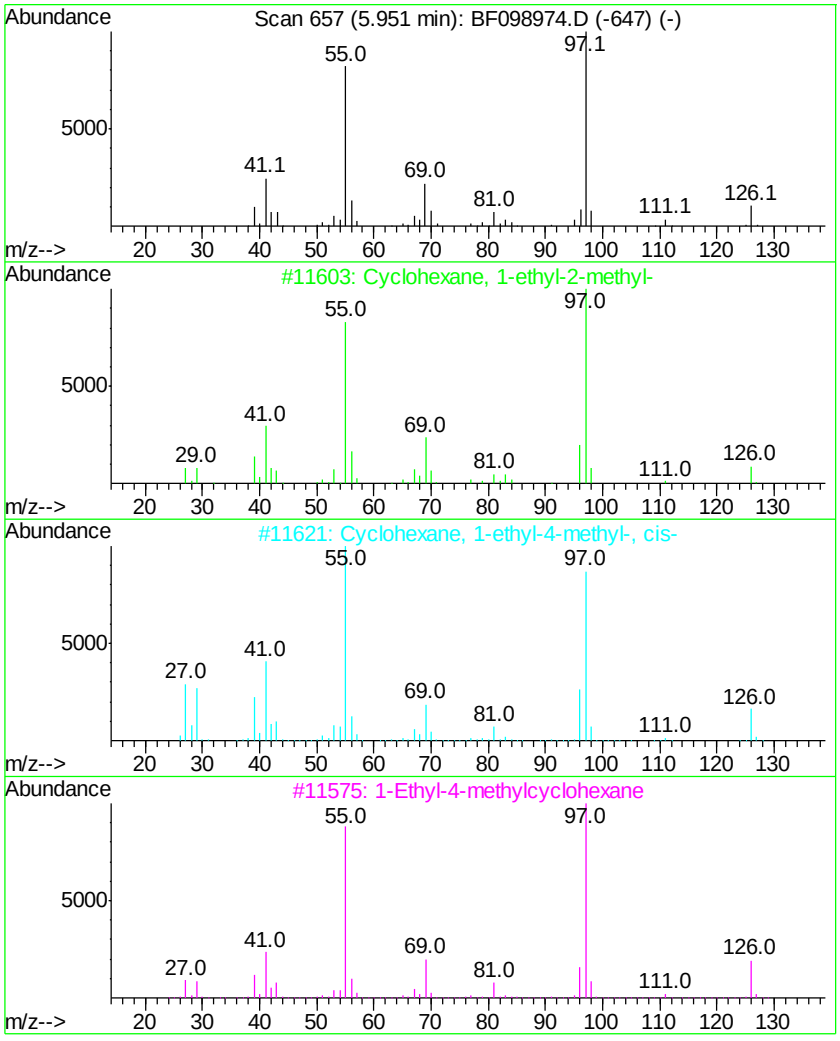
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

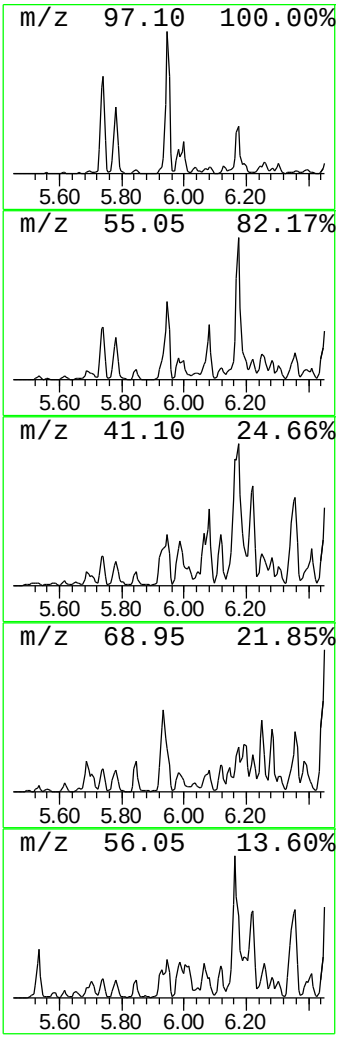
****

Peak Number 1 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	17.00 ng	1115550	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	83
4	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	83
5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	83





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Misc :
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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

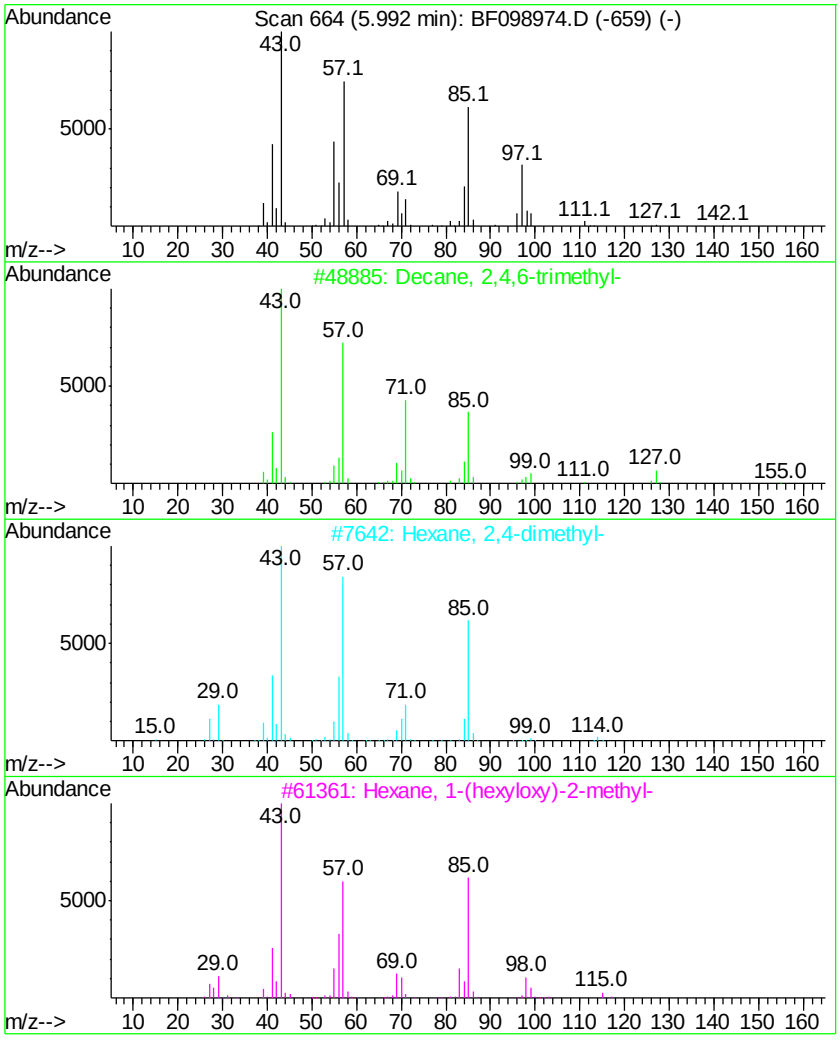
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

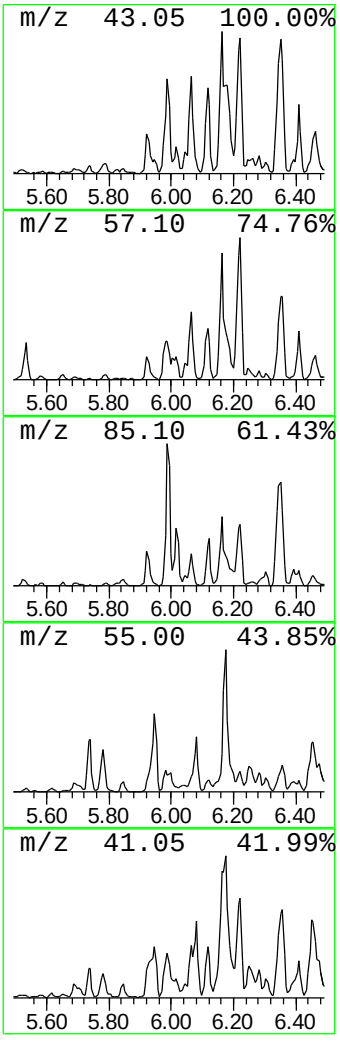
****

Peak Number 2 Decane, 2,4,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.99	11.74 ng	770415	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	64
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
3	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	53
4	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	53
5	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
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Acq On : 30 Sep 2017 20:35
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Sample : I5563-02 2X
Misc :
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Instrument :
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ClientSampleId :
NYSEG-PH4-SB-ESMI-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

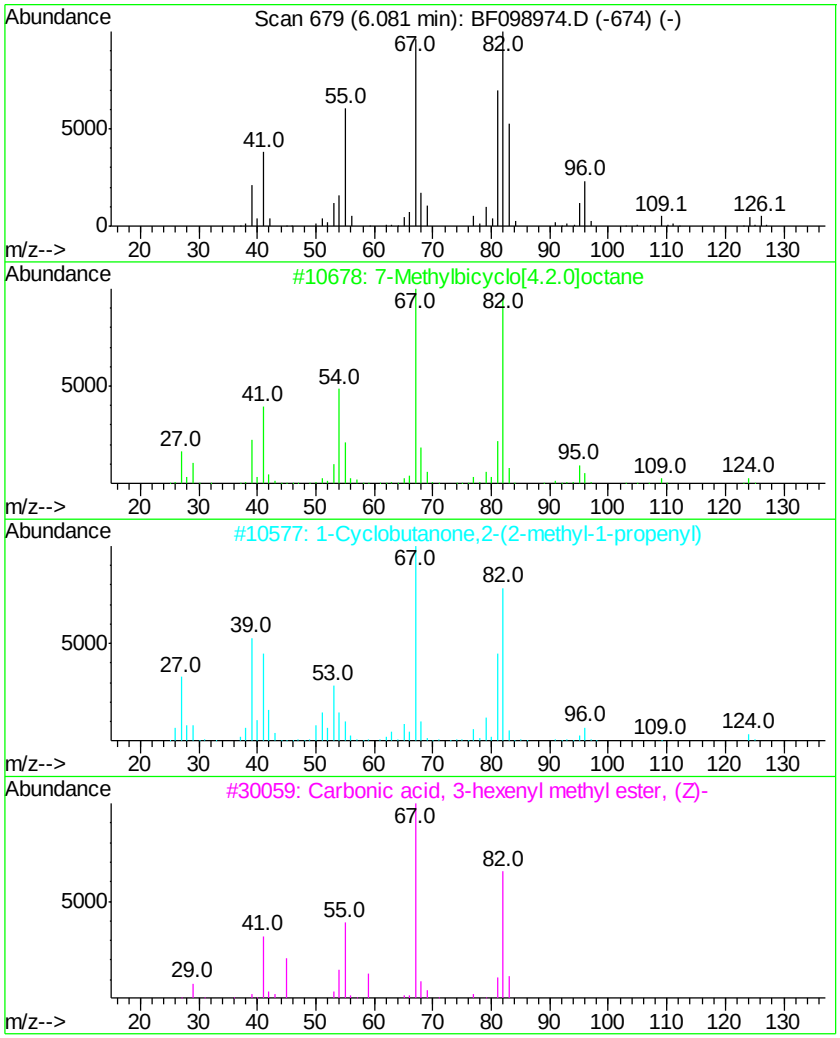
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

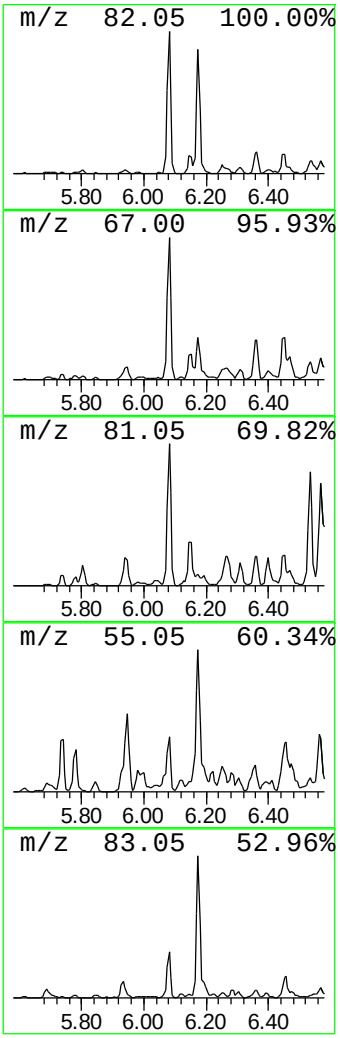
****

Peak Number 3 7-Methylbicyclo[4.2.0]octane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.08	20.67 ng	1356100	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	68
2	1-Cyclobutanone,2-(2-methyl-1-pr...	124	C8H12O	091531-45-2	58
3	Carbonic acid, 3-hexenyl methyl ...	158	C8H14O3	067633-96-9	53
4	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	50
5	2-Cyclohexen-1-one, 4,5-dimethyl-	124	C8H12O	005715-25-3	49





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
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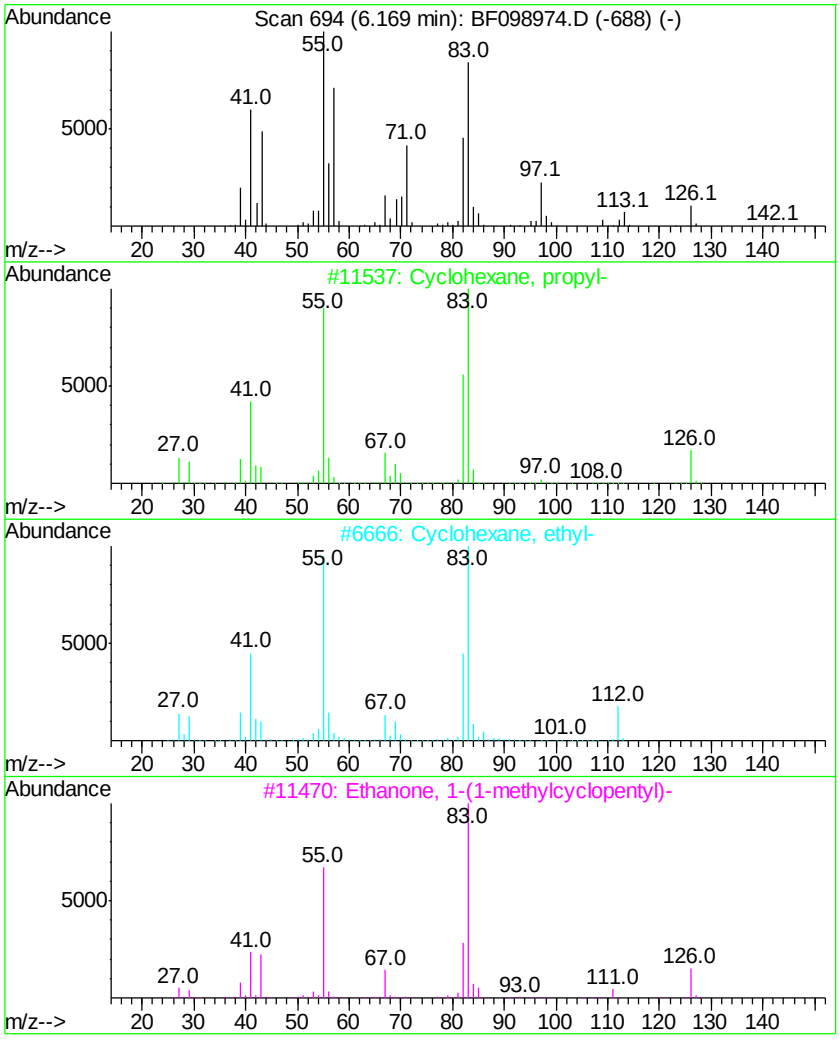
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

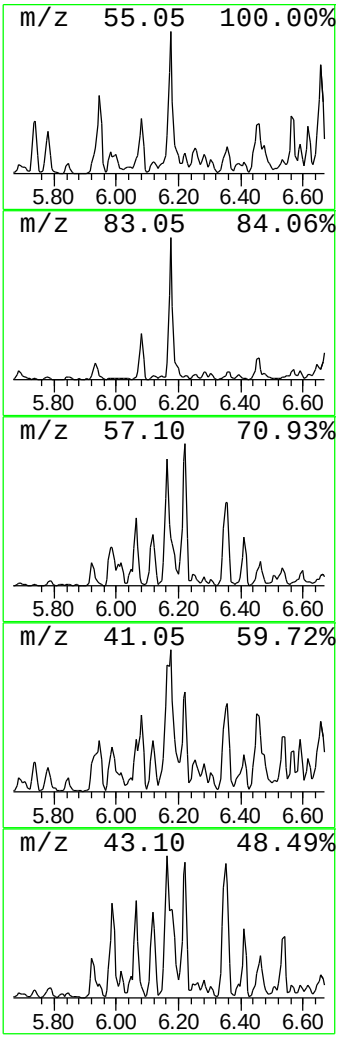
****

Peak Number 4 Cyclohexane, propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	45.86 ng	3008840	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	76
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	53
3	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	50
4	Oxalic acid, cyclohexyl decyl ester	312	C18H32O4	1000309-31-2	47
5	Hexane, 1-bromo-6-chloro-	198	C6H12BrCl	006294-17-3	43





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Sample : I5563-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

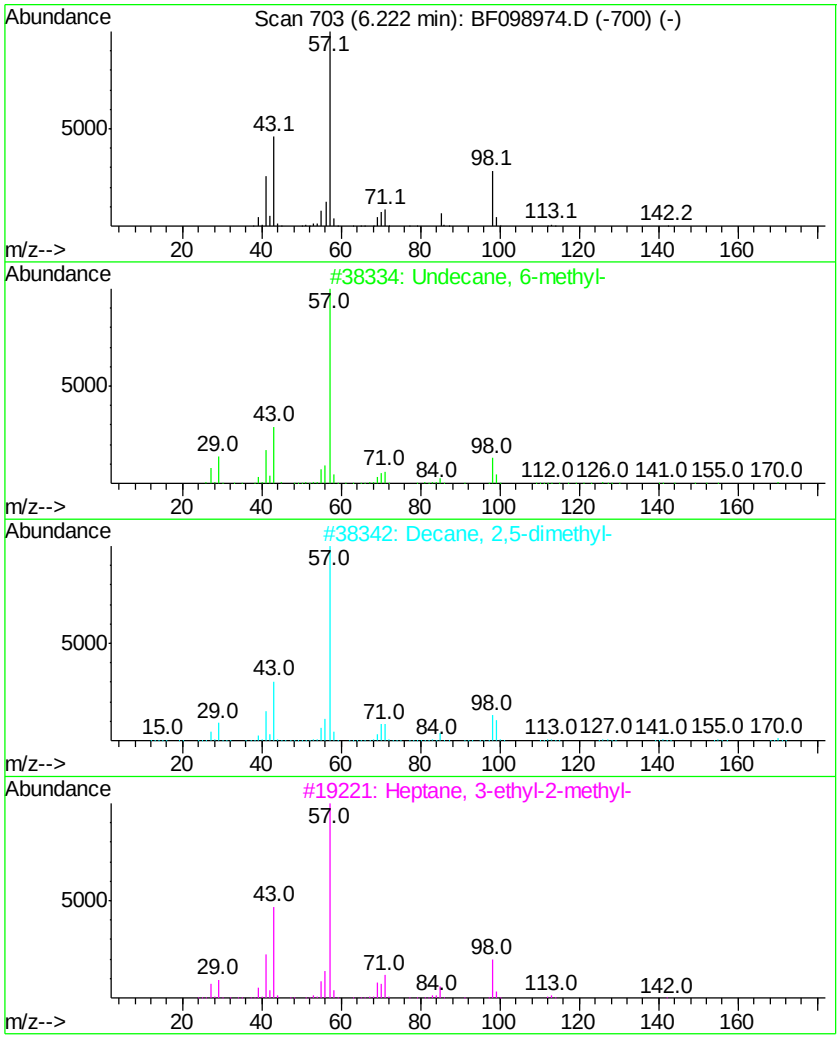
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

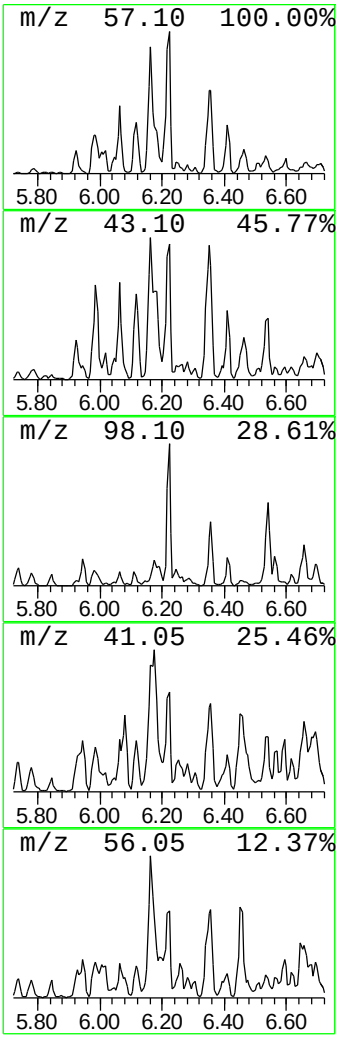
****

Peak Number 5 Undecane, 6-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	14.51 ng	952344	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 6-methyl-	170	C12H26	017302-33-9	72
2	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	64
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	56
4	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	53
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	53





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Acq On : 30 Sep 2017 20:35
Operator : SJ/JU
Sample : I5563-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-2

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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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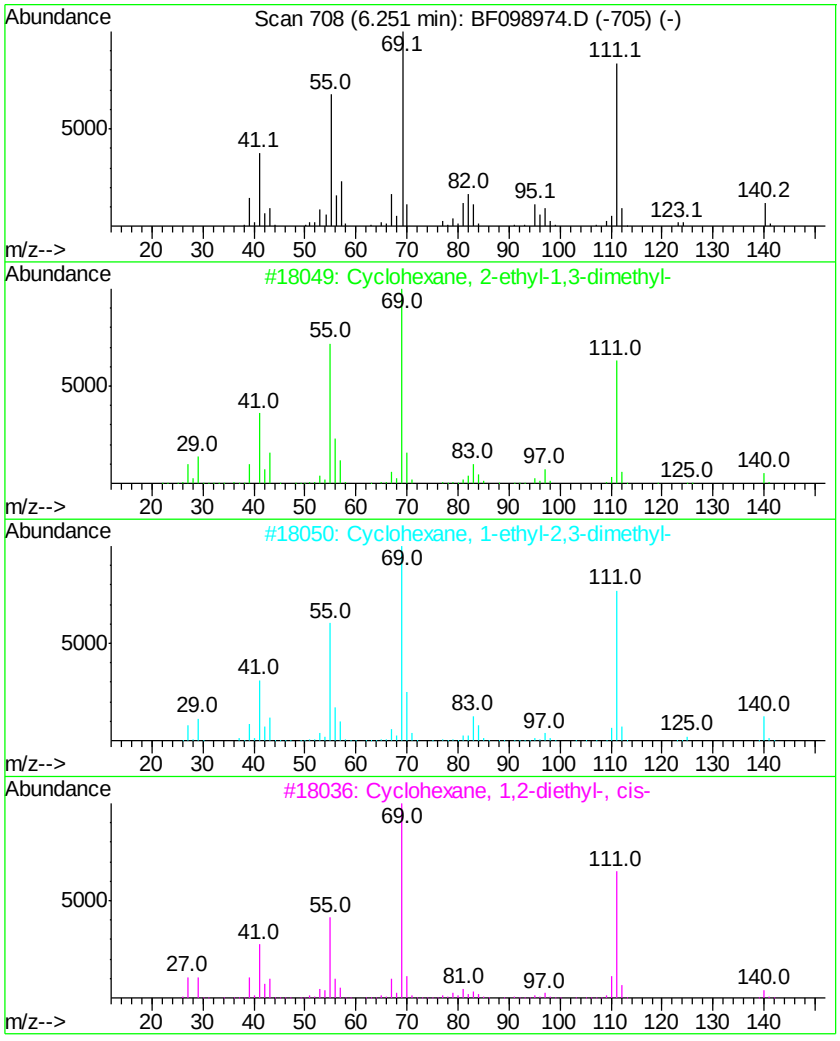
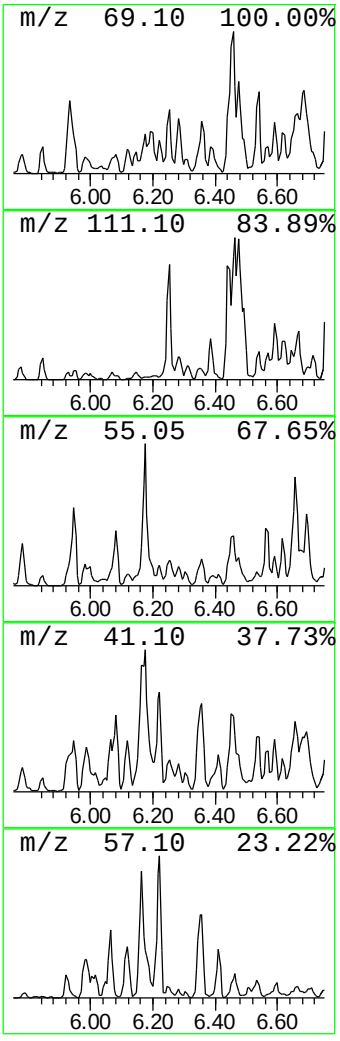
Peak Number 6 Cyclohexane, 2-ethyl-1,3-di... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.25	9.76 ng	640444	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	87
2	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	87
3	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	72
4	Cyclooctane, butyl-	168	C12H24	016538-93-5	64
5	Cyclooctane, ethyl-	140	C10H20	013152-02-8	64





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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-2

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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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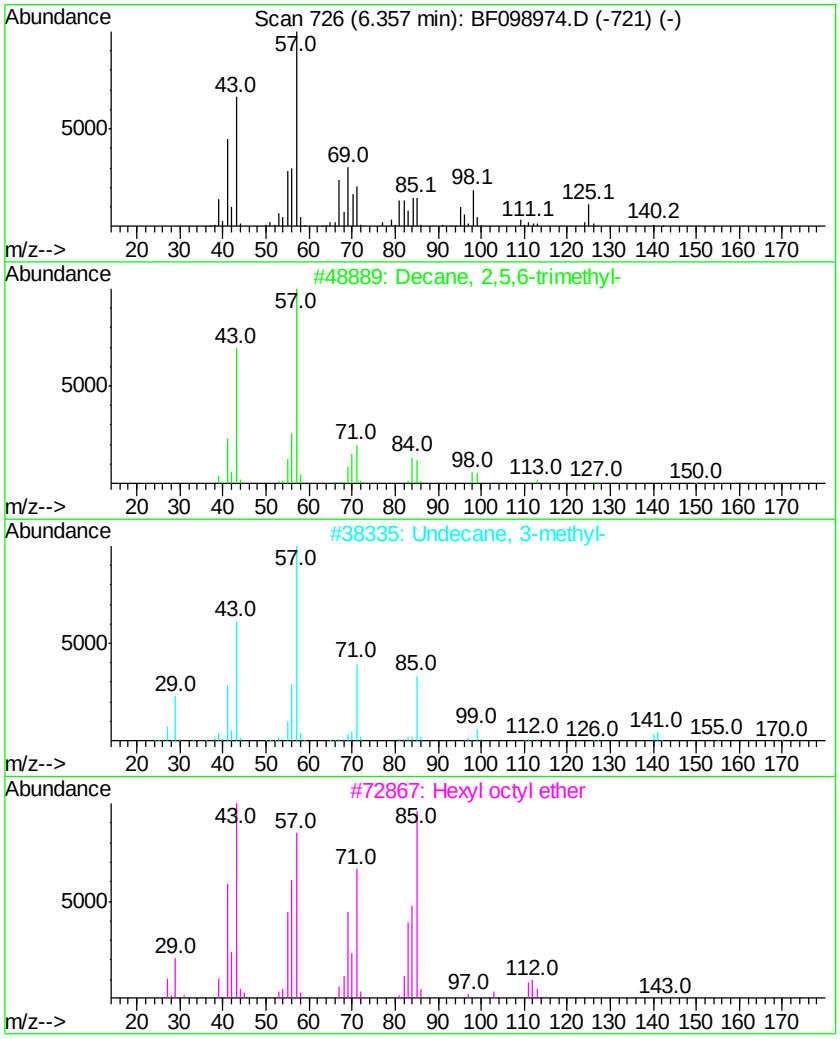
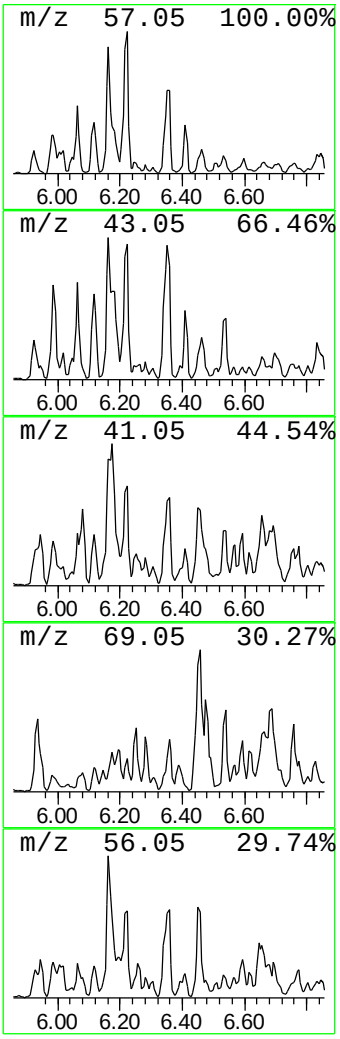
Peak Number 7 unknown6.36 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	20.73 ng	1359990	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	47
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	38
3	Hexyl octyl ether	214	C14H30O	017071-54-4	35
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	35
5	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	35





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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-2

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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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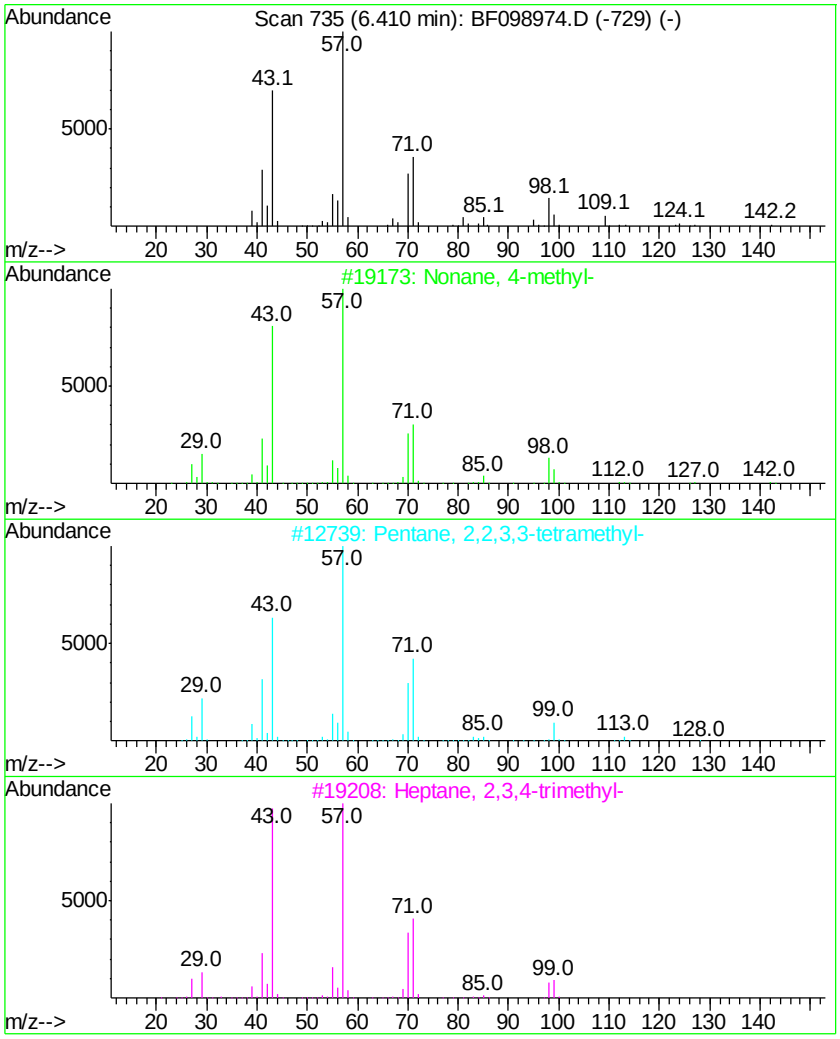
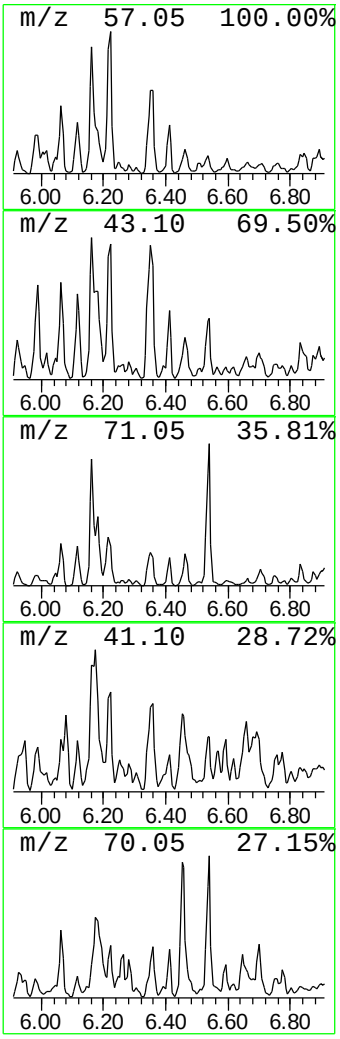
Peak Number 8 Nonane, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	8.70 ng	570644	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	90
2	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
3	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	53
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	53
5	Octadecane, 6-methyl-	268	C19H40	010544-96-4	50





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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-2

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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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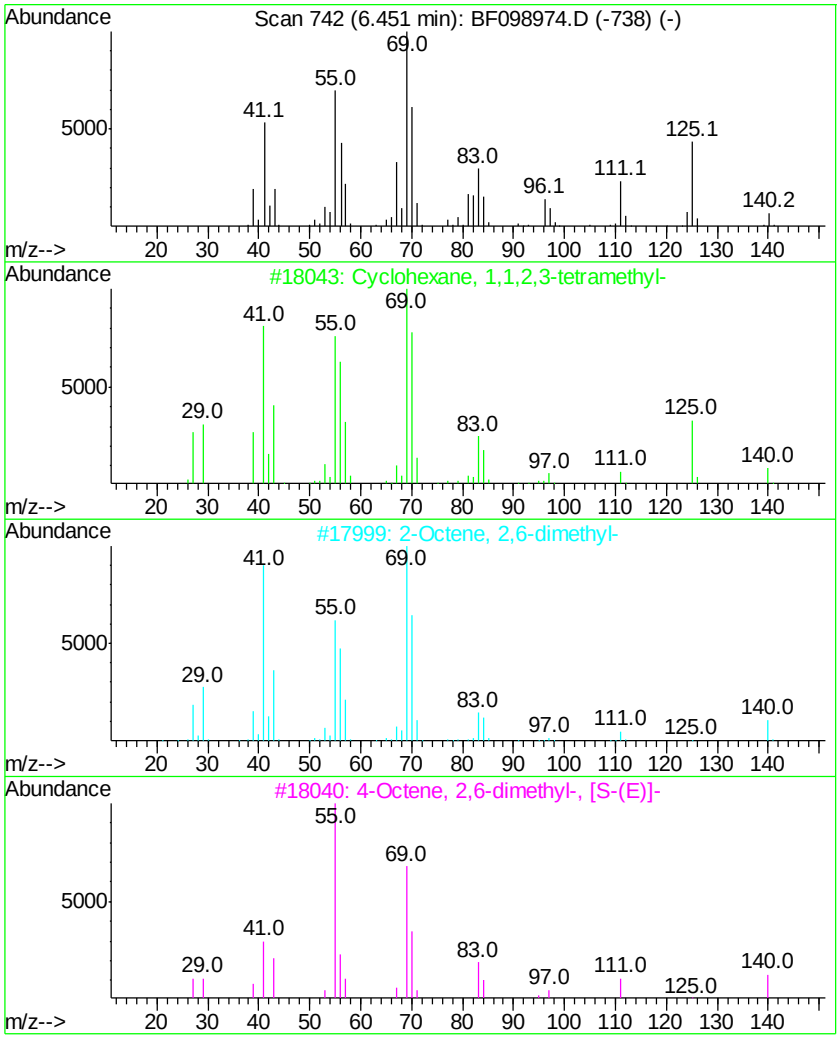
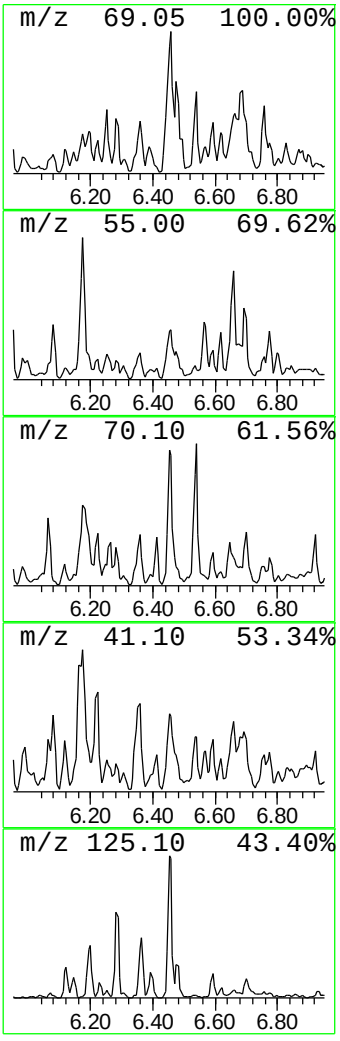
Peak Number 9 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	28.13 ng	1845980	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	76
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
3	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	47
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43
5	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	38





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-2

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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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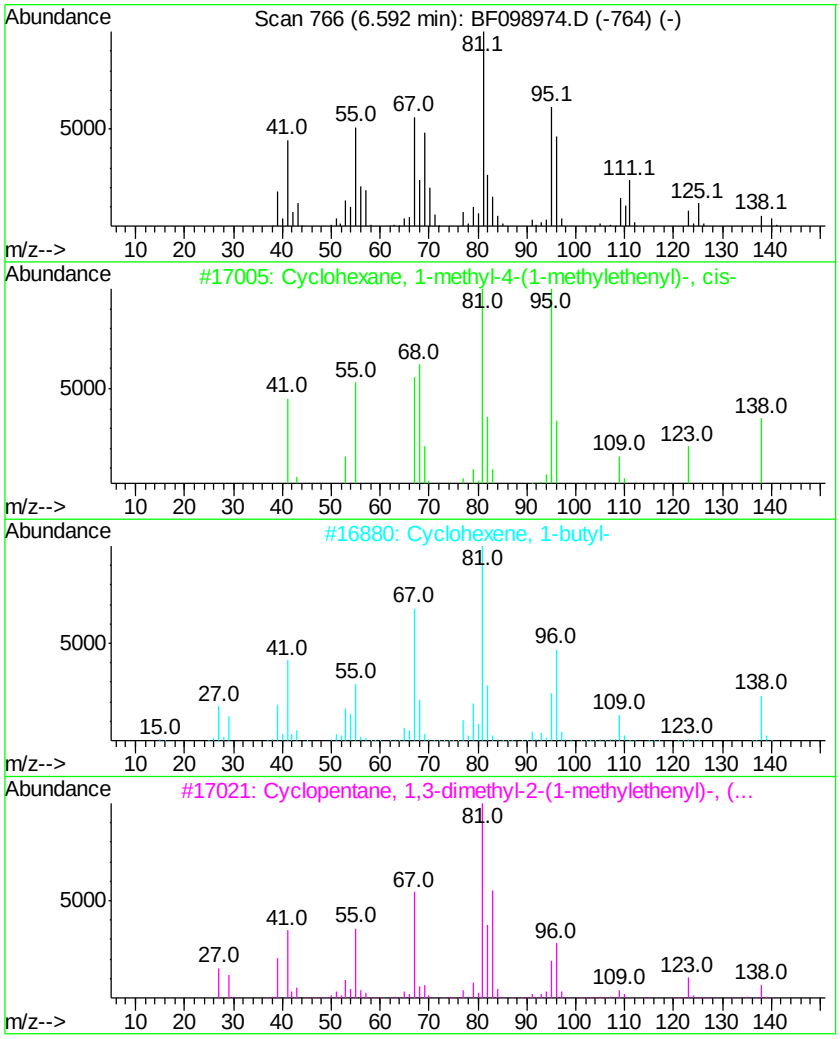
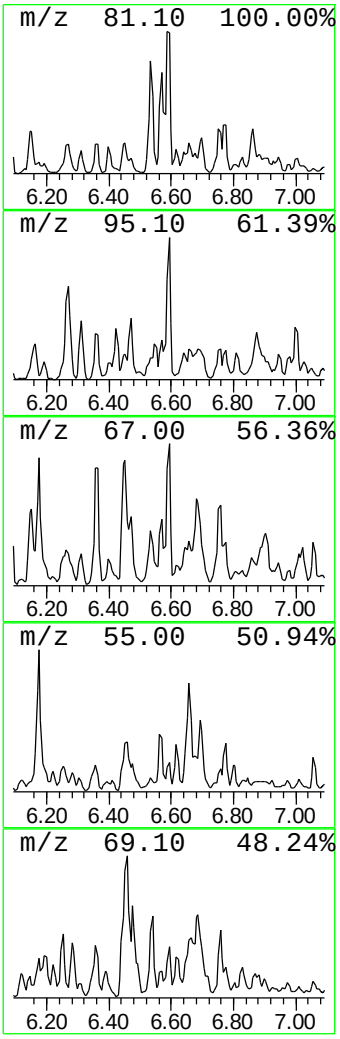
Peak Number 10 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	9.45 ng	619828	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	62
2	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	58
3	Cyclopentane, 1,3-dimethyl-2-(1-...	138	C10H18	061142-31-2	49
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	43
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	43





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ClientSampleId : NYSEG-PH4-SB-ESMI-2

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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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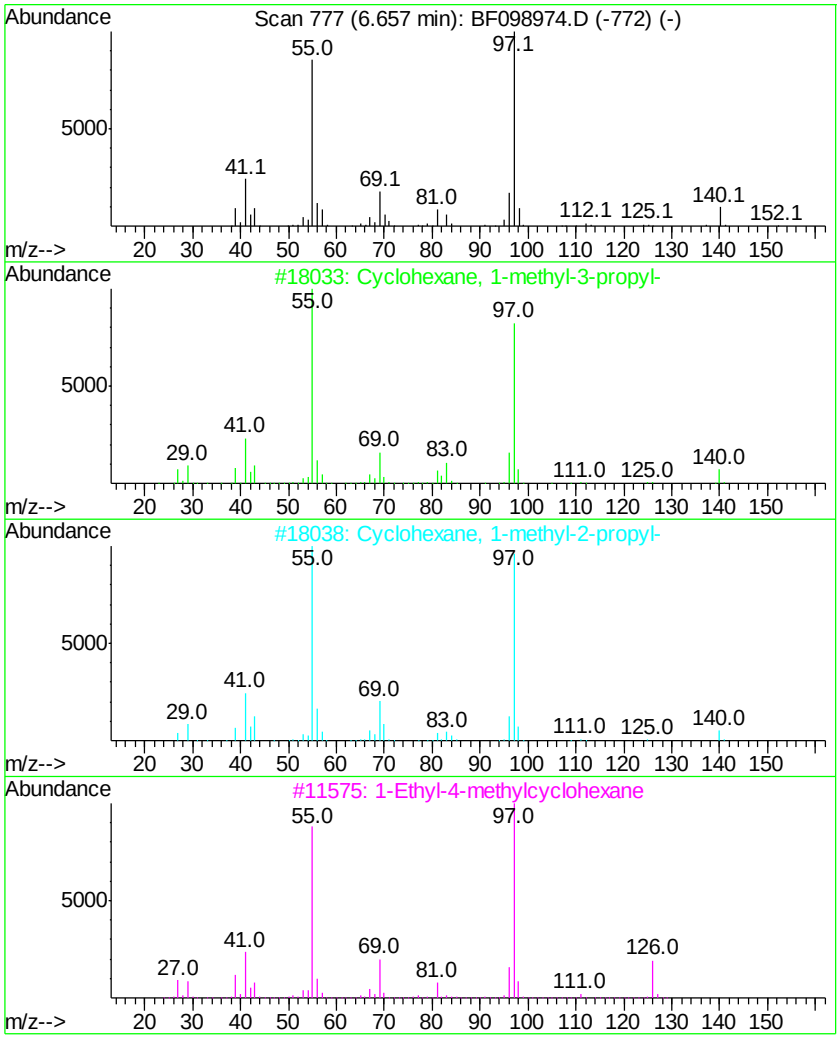
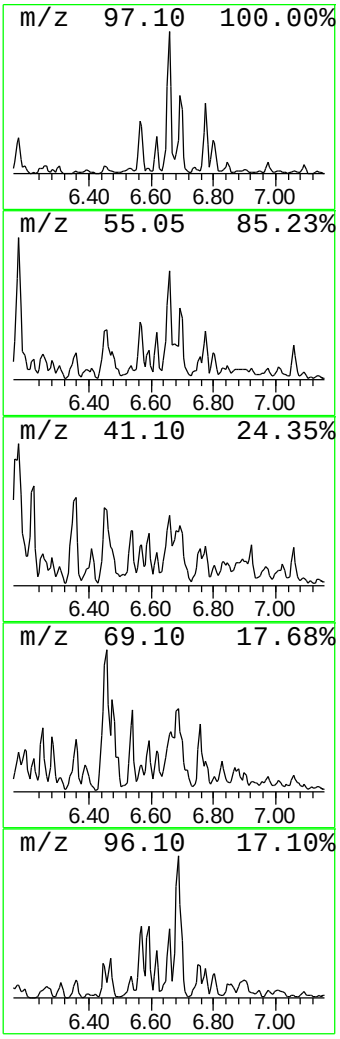
Peak Number 11 Cyclohexane, 1-methyl-3-pro... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	19.15 ng	1256430	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	91
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	83
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	78
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	78
5	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	72





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Misc :
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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-2

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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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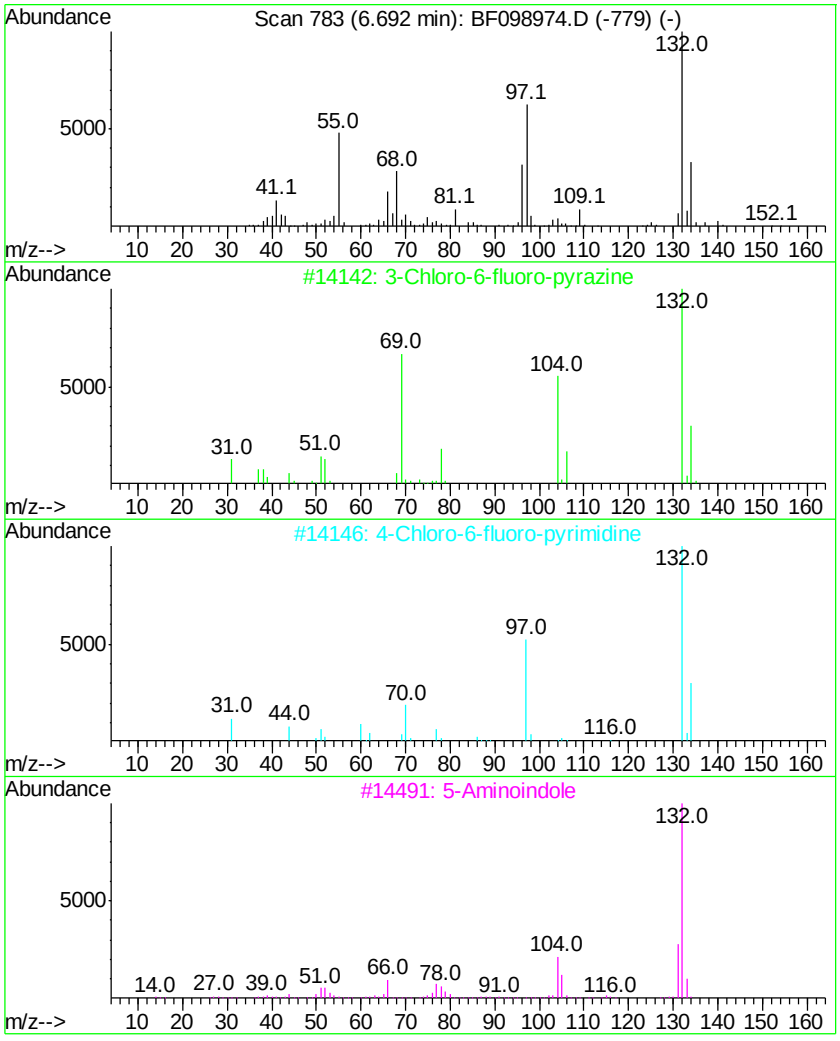
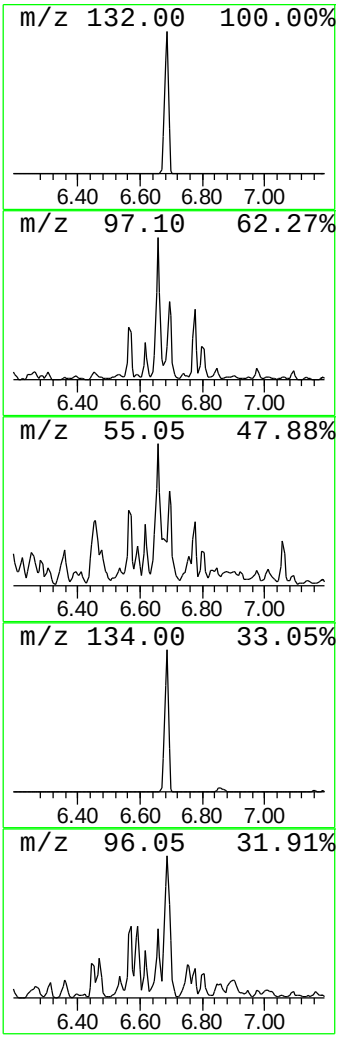
Peak Number 12 unknown6.69 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	39.42 ng	2586620	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	16
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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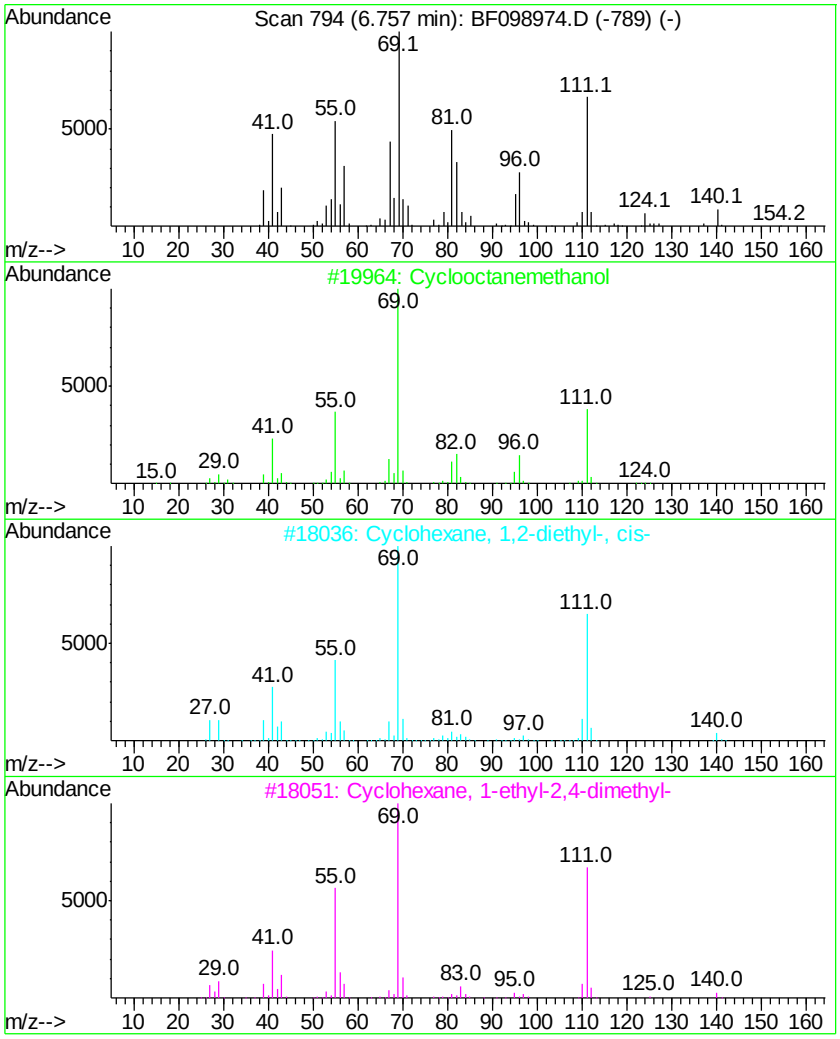
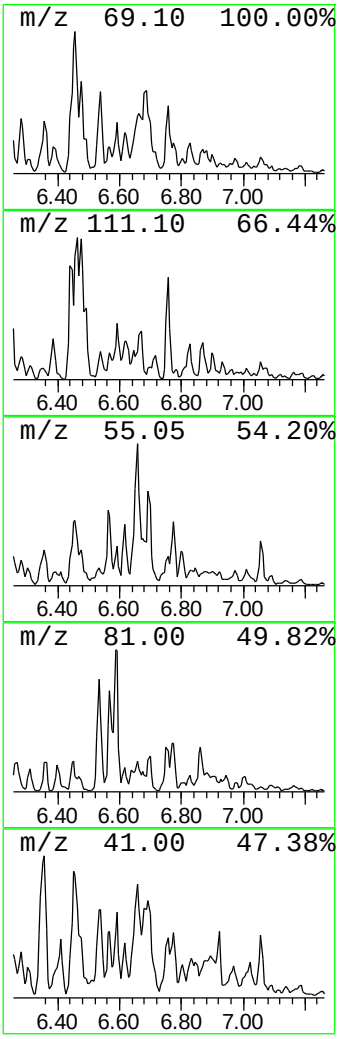
Peak Number 13 Cyclooctanemethanol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	8.99 ng	589850	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctanemethanol	142	C9H18O	003637-63-6	64
2	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	60
3	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	49
4	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	47
5	Bicyclo[2.2.1]heptan-2-one, 7,7-...	138	C9H14O	000514-15-8	47





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ClientSampleId : NYSEG-PH4-SB-ESMI-2

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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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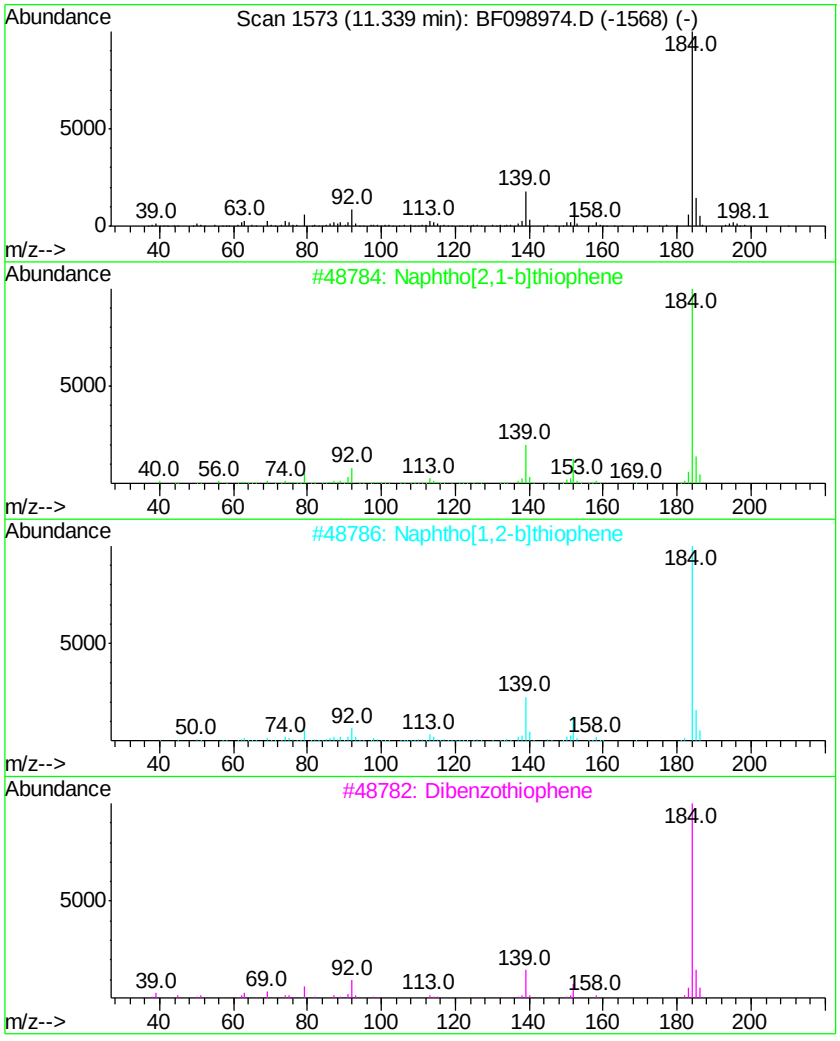
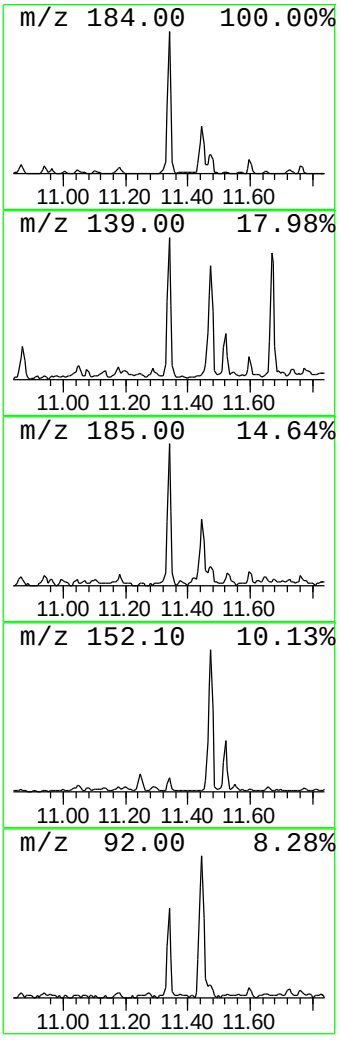
Peak Number 15 Naphtho[2,1-b]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	8.47 ng	392553	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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ClientSampleId : NYSEG-PH4-SB-ESMI-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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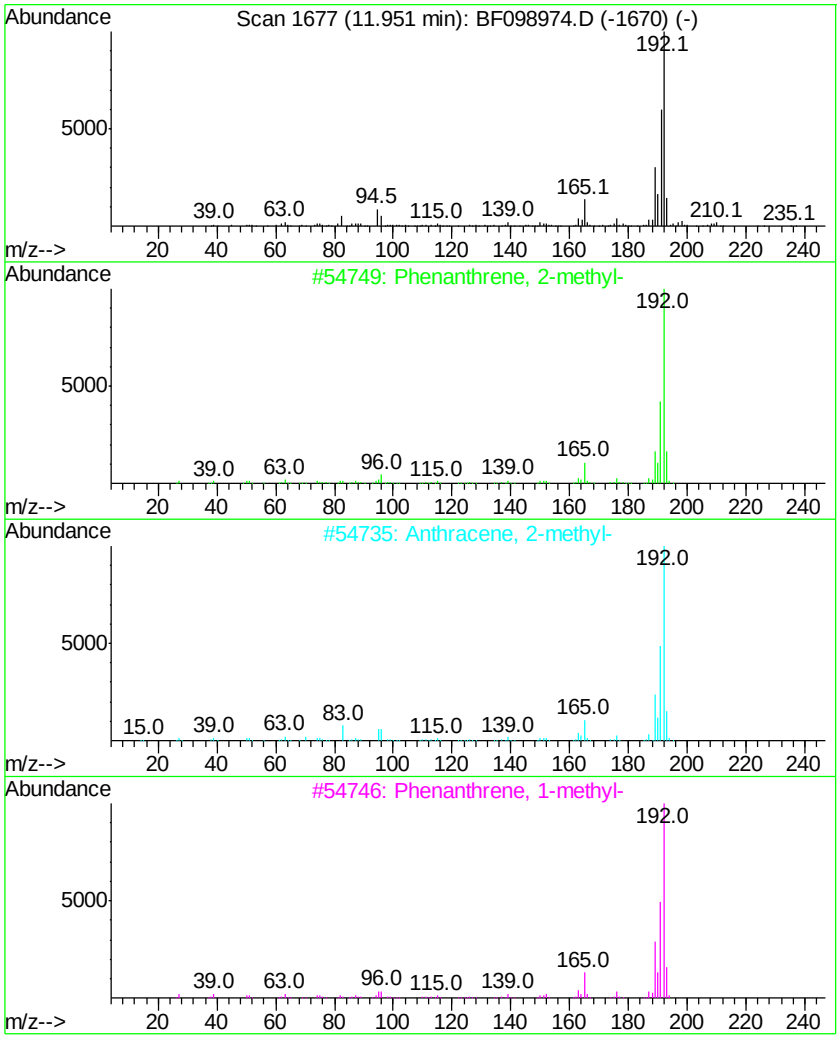
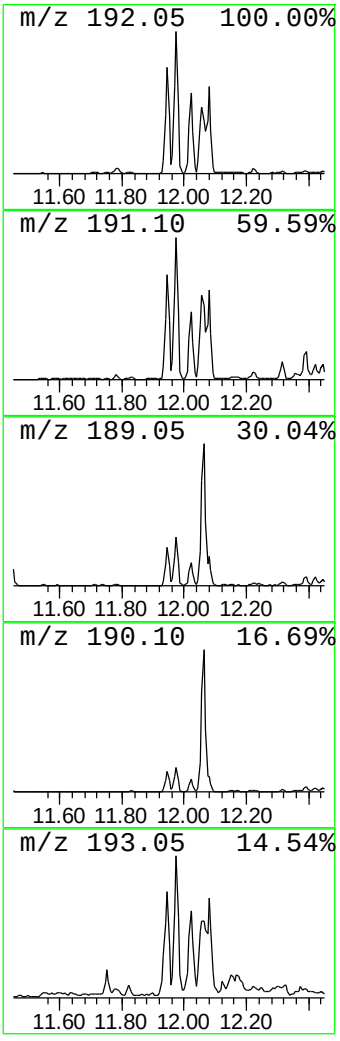
Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	14.28 ng	661613	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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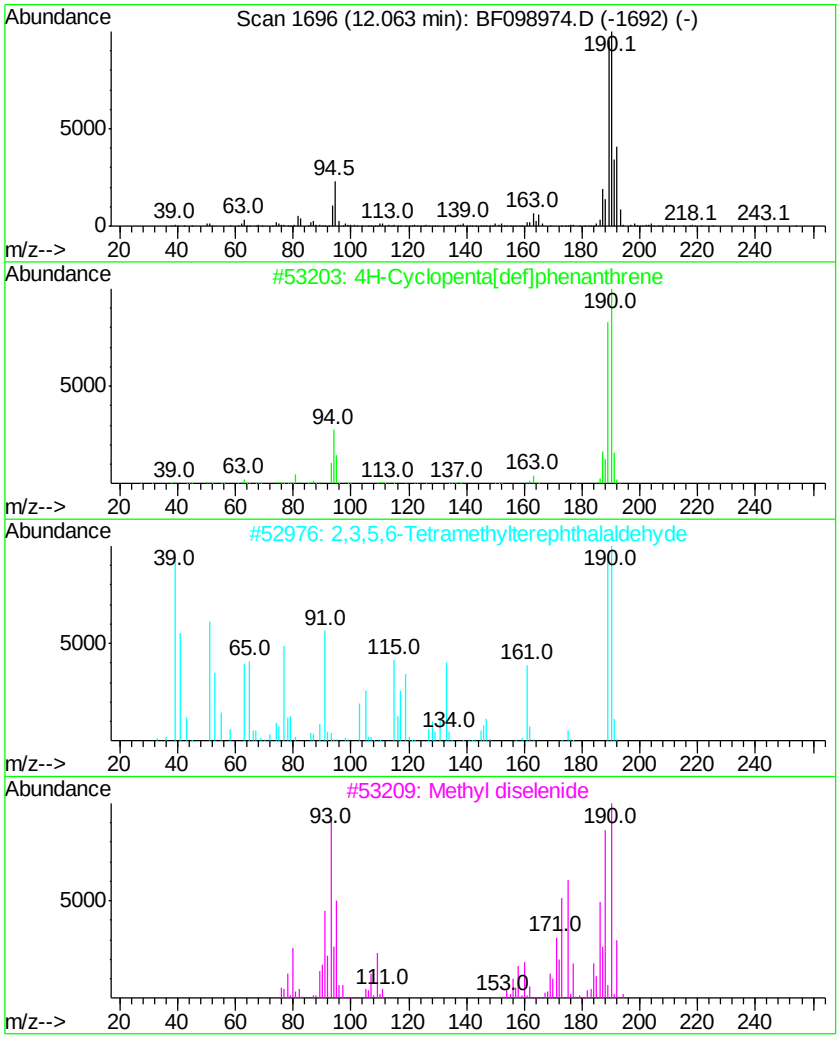
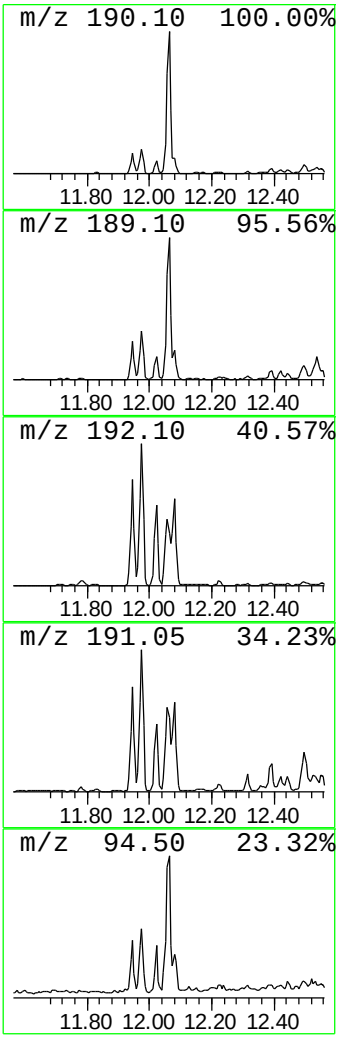
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	27.49 ng	1274190	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
3	Methyl diselenide	190	C2H6Se2	007101-31-7	46
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Operator : SJ/JU
Sample : I5563-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

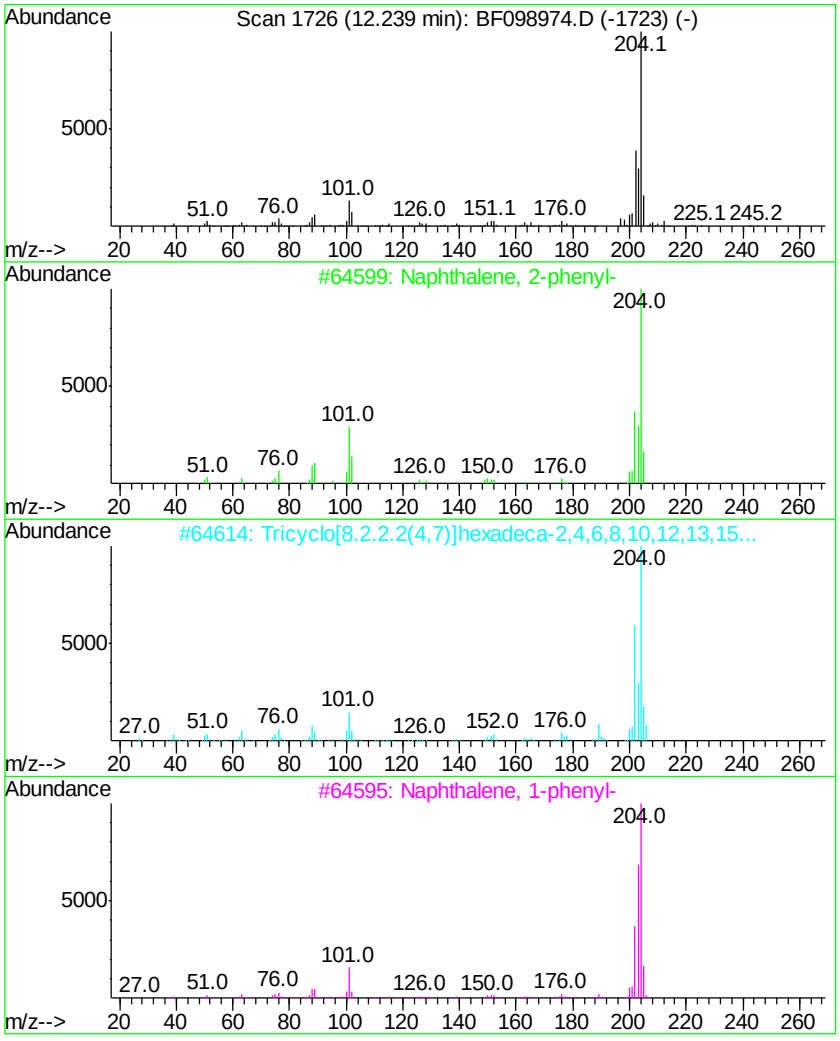
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

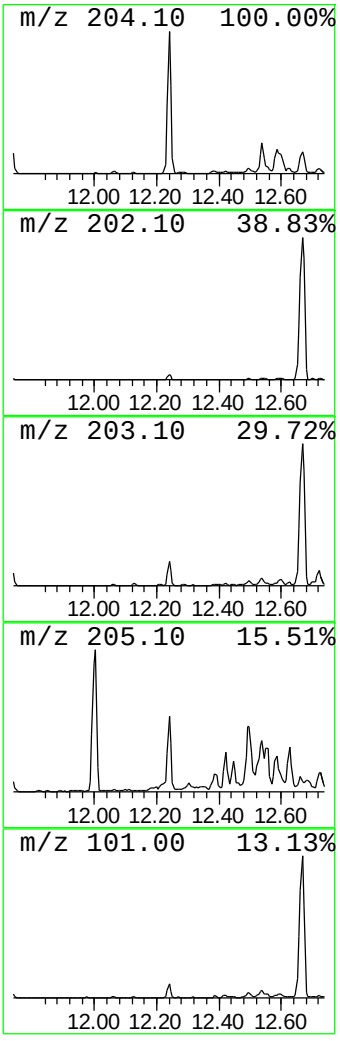
****

Peak Number 18 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	9.68 ng	448536	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093017\
Data File : BF098974.D
Acq On : 30 Sep 2017 20:35
Operator : SJ/JU
Sample : I5563-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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
Cyclohexane, 1-et...	5.95	17.0	ng	1115550	1	6.92	1312250	20.0
Decane, 2,4,6-tri...	5.99	11.7	ng	770415	1	6.92	1312250	20.0
7-Methylbicyclo[4...	6.08	20.7	ng	1356100	1	6.92	1312250	20.0
Cyclohexane, propyl-	6.17	45.9	ng	3008840	1	6.92	1312250	20.0
Undecane, 6-methyl-	6.22	14.5	ng	952344	1	6.92	1312250	20.0
Cyclohexane, 2-et...	6.25	9.8	ng	640444	1	6.92	1312250	20.0
unknown6.36	6.36	20.7	ng	1359990	1	6.92	1312250	20.0
Nonane, 4-methyl-	6.41	8.7	ng	570644	1	6.92	1312250	20.0
Cyclohexane, 1,1,...	6.45	28.1	ng	1845980	1	6.92	1312250	20.0
Cyclohexane, 1-me...	6.59	9.4	ng	619828	1	6.92	1312250	20.0
Cyclohexane, 1-me...	6.66	19.1	ng	1256430	1	6.92	1312250	20.0
unknown6.69	6.69	39.4	ng	2586620	1	6.92	1312250	20.0
Cyclooctanemethanol	6.76	9.0	ng	589850	1	6.92	1312250	20.0
Naphtho[2,1-b]thi...	11.34	8.5	ng	392553	4	11.45	926928	20.0
Phenanthrene, 2-m...	11.95	14.3	ng	661613	4	11.45	926928	20.0
4H-Cyclopenta[def...	12.06	27.5	ng	1274190	4	11.45	926928	20.0
Naphthalene, 2-ph...	12.24	9.7	ng	448536	4	11.45	926928	20.0