LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF053019\
Data File : BF114682.D
Acq On : 31 May 2019 1:13
Operator : HP/JU
Sample : K3002-02 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-Z2-20190419

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_F\METHODS\8270-BF052919.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	5.298	542	546	549	rVB	4897144	4677425	66.96%	3.219%
2	5.616	596	600	609	rBV	341034	369063	5.28%	0.254%
3	5.957	655	658	665	rVB2	742056	968093	13.86%	0.666%
4	6.016	665	668	670	rBV	419431	369228	5.29%	0.254%
5	6.151	684	691	694	rBV4	320159	469531	6.72%	0.323%
6	6.216	699	702	703	rVV	410402	347868	4.98%	0.239%
7	6.239	703	706	714	rVB3	1091733	1544907	22.12%	1.063%
8	6.328	714	721	724	rBV	5015643	5406898	77.40%	3.721%
9	6.463	738	744	747	rBV	5842666	6124579	87.67%	4.215%
10	6.528	752	755	757	rBV	508664	413133	5.91%	0.284%
11	6.551	757	759	764	rVB2	2850188	2834210	40.57%	1.950%
12	6.657	772	777	779	rBV5	274146	413839	5.92%	0.285%
13	6.698	779	784	787	rBV	3232965	2851105	40.81%	1.962%
14	6.734	787	790	793	rVB	3203722	2434762	34.85%	1.676%
15	6.763	793	795	800	rBV3	684738	1076744	15.41%	0.741%
16	6.857	805	811	816	rBV2	5440125	5786886	82.84%	3.982%
17	6.892	816	817	820	rVB	626745	461747	6.61%	0.318%
18	6.928	820	823	824	rBV2	303628	339331	4.86%	0.234%
19	6.951	824	827	829	rBV3	325955	338929	4.85%	0.233%
20	6.981	829	832	833	rBV	1129294	906837	12.98%	0.624%
21	6.992	833	834	837	rVB	1131184	862396	12.35%	0.593%
22	7.028	837	840	842	rVB2	1590507	1410111	20.19%	0.970%
23	7.057	842	845	850	rBV	1869414	1824426	26.12%	1.256%
24	7.104	850	853	855	rBV2	2188894	1860396	26.63%	1.280%
25	7.134	855	858	861	rBV	677981	644131	9.22%	0.443%
26	7.251	870	878	883	rBV3	3784412	5592121	80.05%	3.848%
27	7.292	883	885	886	rBV	521436	365223	5.23%	0.251%
28	7.322	886	890	892	rVB	7372474	6985767	100.00%	4.808%
29	7.357	892	896	900	rVB4	1266111	1835079	26.27%	1.263%
30	7.404	900	904	905	rBV3	378848	505682	7.24%	0.348%
31	7.428	905	908	911	rVB2	1054123	926079	13.26%	0.637%
32	7.475	912	916	918	rBV4	538711	535679	7.67%	0.369%
33	7.504	918	921	927	rVB2	1789812	2561905	36.67%	1.763%
34	7.616	936	940	941	rBV2	1128848	1279004	18.31%	0.880%

LSC Area Percent Report

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Data File : BF114682.D
Acq On : 31 May 2019 1:13
Operator : HP/JU
Sample : K3002-02 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-Z2-20190419

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_F\METHODS\8270-BF052919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.681	947	951	954	rBV2	715860	899156	12.87%	0.619%
36	7.716	954	957	961	rVV4	994412	1462078	20.93%	1.006%
37	7.751	961	963	966	rVB2	1314393	1139502	16.31%	0.784%
38	7.792	968	970	972	rBV	655717	508313	7.28%	0.350%
39	7.822	972	975	978	rVB2	757469	714430	10.23%	0.492%
40	7.981	998	1002	1004	rBV	6573562	5818013	83.28%	4.004%
41	7.998	1004	1005	1008	rVB	959724	553265	7.92%	0.381%
42	8.057	1013	1015	1018	rVV	766687	737976	10.56%	0.508%
43	8.281	1048	1053	1056	rBV4	270221	312129	4.47%	0.215%
44	8.416	1073	1076	1080	rBV2	511741	548764	7.86%	0.378%
45	8.486	1084	1088	1091	rBV3	332568	335623	4.80%	0.231%
46	8.586	1102	1105	1108	rVV	1364278	1006097	14.40%	0.692%
47	8.686	1118	1122	1125	rVB	993555	844305	12.09%	0.581%
48	8.786	1135	1139	1140	rBV	630630	538276	7.71%	0.370%
49	9.016	1175	1178	1180	rVV	517125	390744	5.59%	0.269%
50	9.051	1180	1184	1187	rVV	6538997	5302808	75.91%	3.649%
51	9.151	1196	1201	1205	rBV	1518362	1435820	20.55%	0.988%
52	9.310	1224	1228	1232	rBV	544582	747482	10.70%	0.514%
53	9.386	1235	1241	1243	rBV	719894	859171	12.30%	0.591%
54	9.410	1243	1245	1248	rVB	481656	375775	5.38%	0.259%
55	9.445	1248	1251	1253	rBV	793192	774200	11.08%	0.533%
56	9.469	1253	1255	1257	rVV	593502	428516	6.13%	0.295%
57	9.675	1287	1290	1293	rBV	1616280	1223114	17.51%	0.842%
58	9.722	1293	1298	1301	rBV2	3574708	3376865	48.34%	2.324%
59	9.751	1301	1303	1307	rVB	771026	708797	10.15%	0.488%
60	9.828	1313	1316	1322	rVB	235611	337323	4.83%	0.232%
61	9.928	1326	1333	1337	rVV	944229	1142578	16.36%	0.786%
62	9.963	1337	1339	1342	rVV2	389573	357163	5.11%	0.246%
63	9.998	1342	1345	1349	rVV3	441571	413215	5.92%	0.284%
64	10.039	1349	1352	1355	rVV2	275221	336189	4.81%	0.231%
65	10.175	1372	1375	1377	rVV	1404855	1091764	15.63%	0.751%
66	10.263	1387	1390	1393	rVV	572750	516629	7.40%	0.356%
67	10.392	1408	1412	1415	rVV	638525	771029	11.04%	0.531%
68	10.504	1428	1431	1435	rVV	3240730	2832035	40.54%	1.949%
69	10.645	1451	1455	1456	rBV2	1205657	1113222	15.94%	0.766%
70	10.657	1456	1457	1461	rVB	906387	660243	9.45%	0.454%
71	10.963	1507	1509	1513	rVV3	248168	321822	4.61%	0.221%

LSC Area Percent Report

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Acq On : 31 May 2019 1:13
Operator : HP/JU
Sample : K3002-02 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-Z2-20190419

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_F\METHODS\8270-BF052919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.092	1527	1531	1533	rVV	1161385	1072847	15.36%	0.738%
73	11.122	1533	1536	1541	rVB	542933	532748	7.63%	0.367%
74	11.198	1545	1549	1551	rVV	3196945	2834981	40.58%	1.951%
75	11.222	1551	1553	1556	rVV	3261506	2401287	34.37%	1.653%
76	11.269	1558	1561	1565	rVV	1095340	927068	13.27%	0.638%
77	11.516	1600	1603	1608	rVB2	913832	844136	12.08%	0.581%
78	11.698	1631	1634	1636	rBV	473946	340210	4.87%	0.234%
79	11.727	1636	1639	1644	rVB	609727	667145	9.55%	0.459%
80	11.810	1649	1653	1655	rBV	979016	1038553	14.87%	0.715%
81	11.921	1669	1672	1676	rBV2	762083	650886	9.32%	0.448%
82	11.992	1681	1684	1686	rBV	380021	365336	5.23%	0.251%
83	12.245	1724	1727	1730	rBV	360596	357482	5.12%	0.246%
84	12.304	1735	1737	1740	rBV	624411	509029	7.29%	0.350%
85	12.404	1751	1754	1758	rVB	4569668	3969406	56.82%	2.732%
86	12.457	1760	1763	1768	rBV5	345110	398823	5.71%	0.274%
87	12.627	1787	1792	1795	rBV2	3584227	4096465	58.64%	2.819%
88	12.674	1798	1800	1807	rVB2	634186	724208	10.37%	0.498%
89	12.780	1814	1818	1821	rBV	5152030	4429753	63.41%	3.049%
90	12.957	1846	1848	1851	rVB2	601002	545050	7.80%	0.375%
91	13.027	1857	1860	1863	rBV2	673664	724591	10.37%	0.499%
92	13.063	1863	1866	1868	rBV	415557	409344	5.86%	0.282%
93	13.374	1917	1919	1922	rVB2	484029	400622	5.73%	0.276%
94	13.686	1970	1972	1979	rVB4	547197	880295	12.60%	0.606%
95	13.821	1990	1995	1997	rBV2	2848567	3796438	54.35%	2.613%
96	13.845	1997	1999	2007	rVB	1461884	1345887	19.27%	0.926%
97	14.821	2162	2165	2173	rVB	964279	1910573	27.35%	1.315%
98	15.098	2210	2212	2218	rVB	674725	758598	10.86%	0.522%
99	15.157	2219	2222	2226	rVB	738448	770399	11.03%	0.530%
100	15.215	2228	2232	2235	rVV	1166319	1349521	19.32%	0.929%

Sum of corrected areas: 145309226

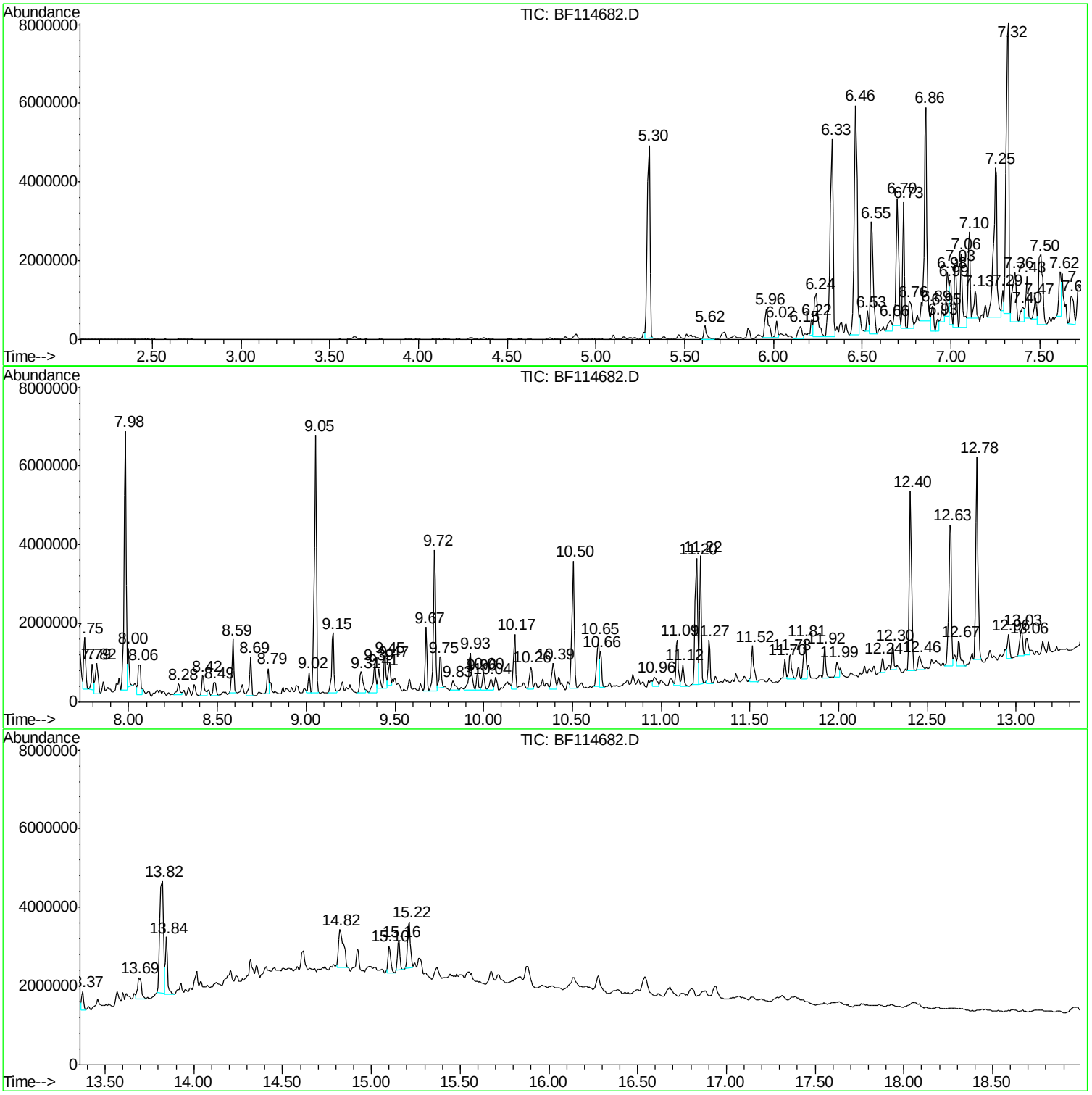
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF053019\
Data File : BF114682.D
Acq On : 31 May 2019 1:13
Operator : HP/JU
Sample : K3002-02 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-Z2-20190419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF053019\
Data File : BF114682.D
Acq On : 31 May 2019 1:13
Operator : HP/JU
Sample : K3002-02 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-Z2-20190419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

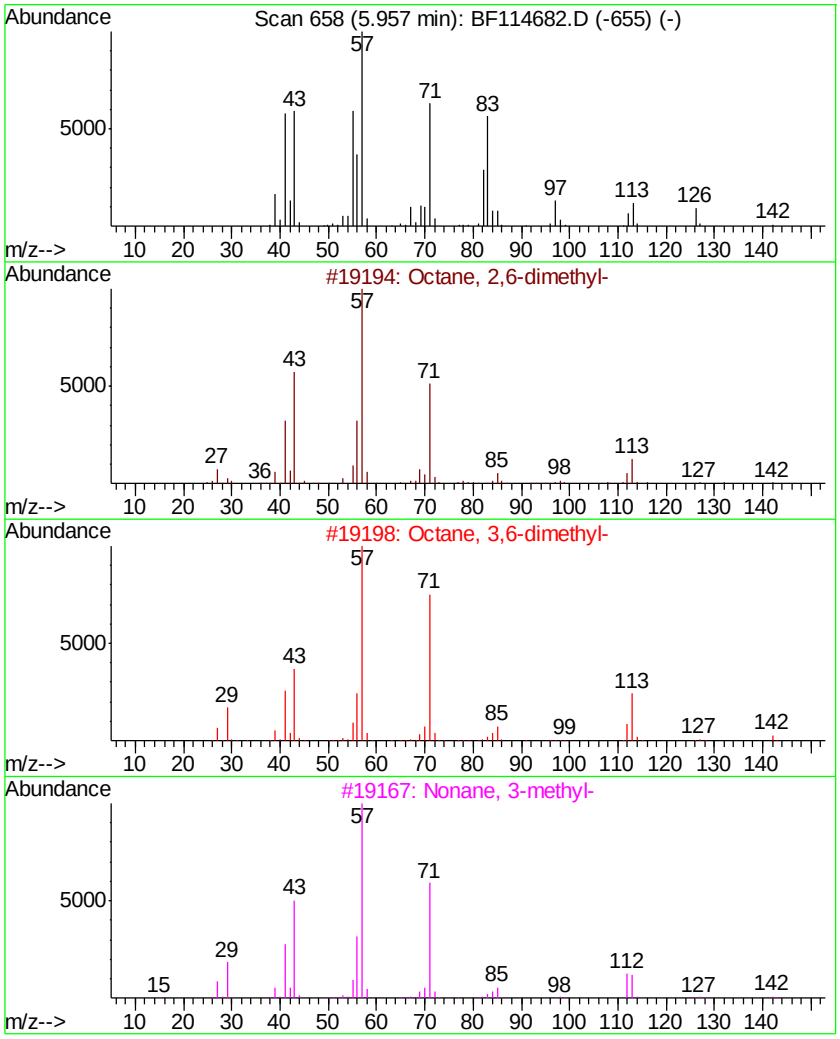
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

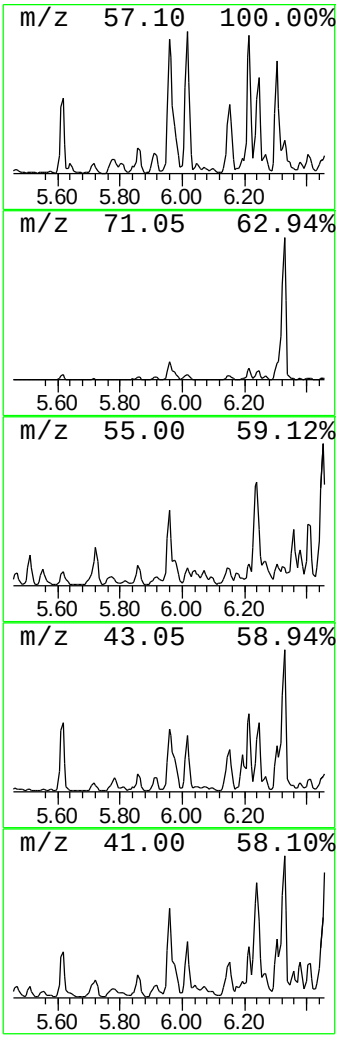
****

Peak Number 1 Octane, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.96	6.79 ng	968093	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	50
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	46
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	45
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	42
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF053019\
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-Z2-20190419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

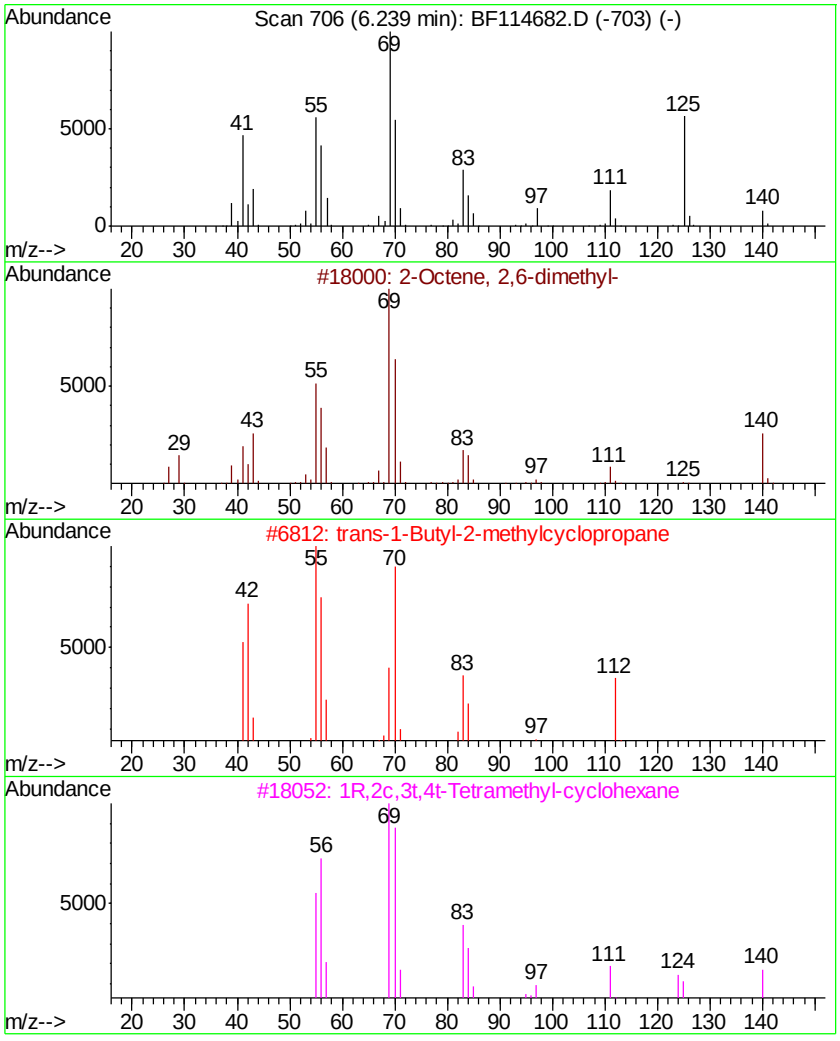
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

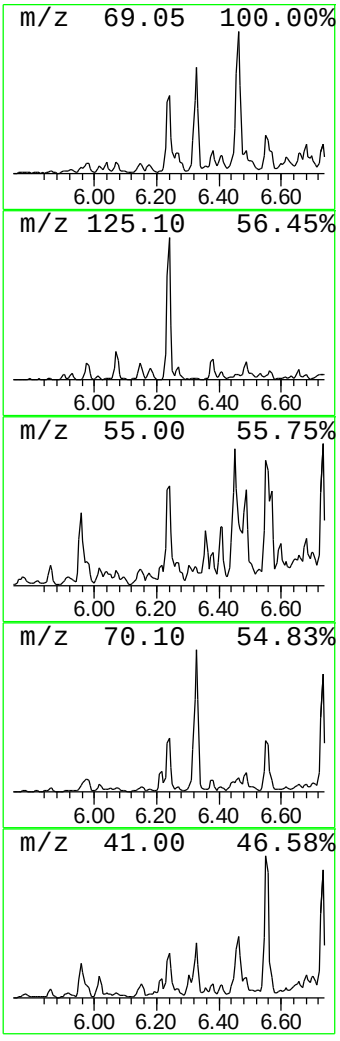
****

Peak Number 2 2-Octene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	10.84 ng	1544910	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	68
2	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46
3	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	43
4	3-Hexene, 2,5-dimethyl-, (E)-	112	C8H16	000692-70-6	43
5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	43





Library Search Compound Report

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Acq On : 31 May 2019 1:13
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-Z2-20190419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

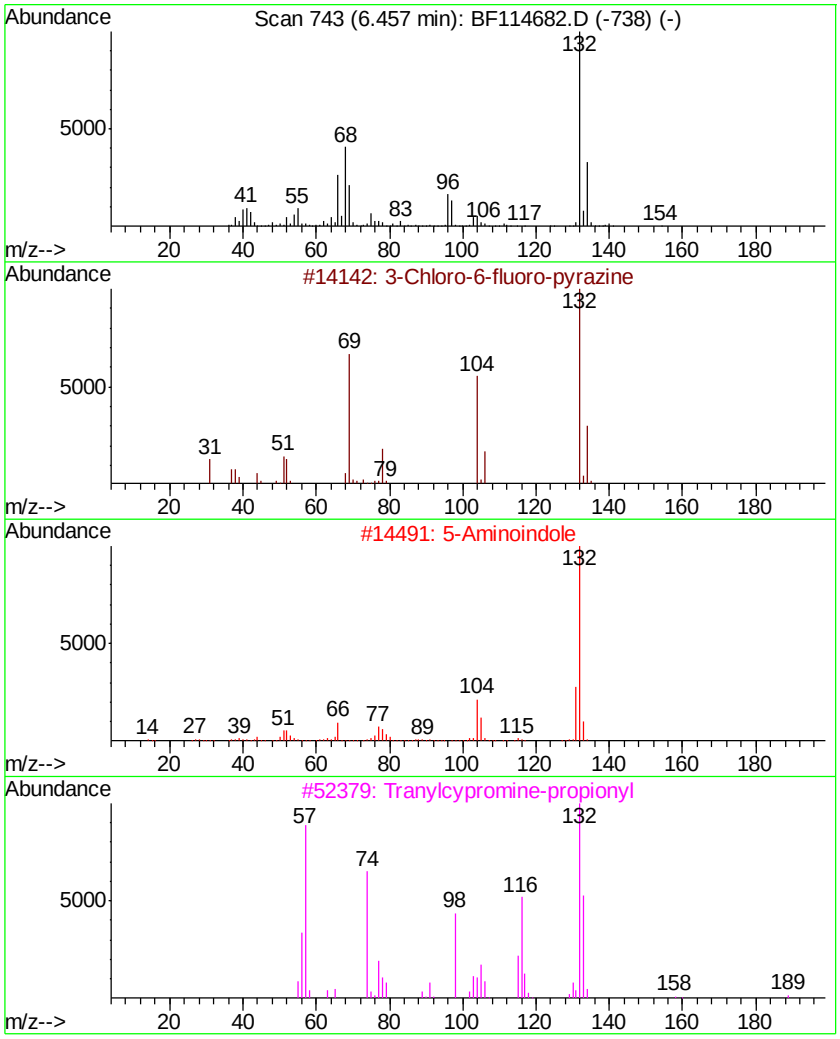
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

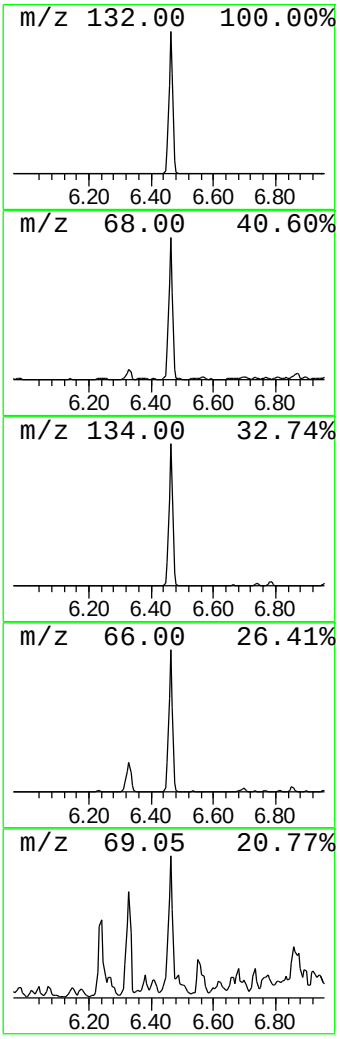
****

Peak Number 3 unknown6.46 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	42.96 ng	6124580	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Xenon	132	Xe	007440-63-3	9





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Data File : BF114682.D
Acq On : 31 May 2019 1:13
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Sample : K3002-02 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-Z2-20190419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

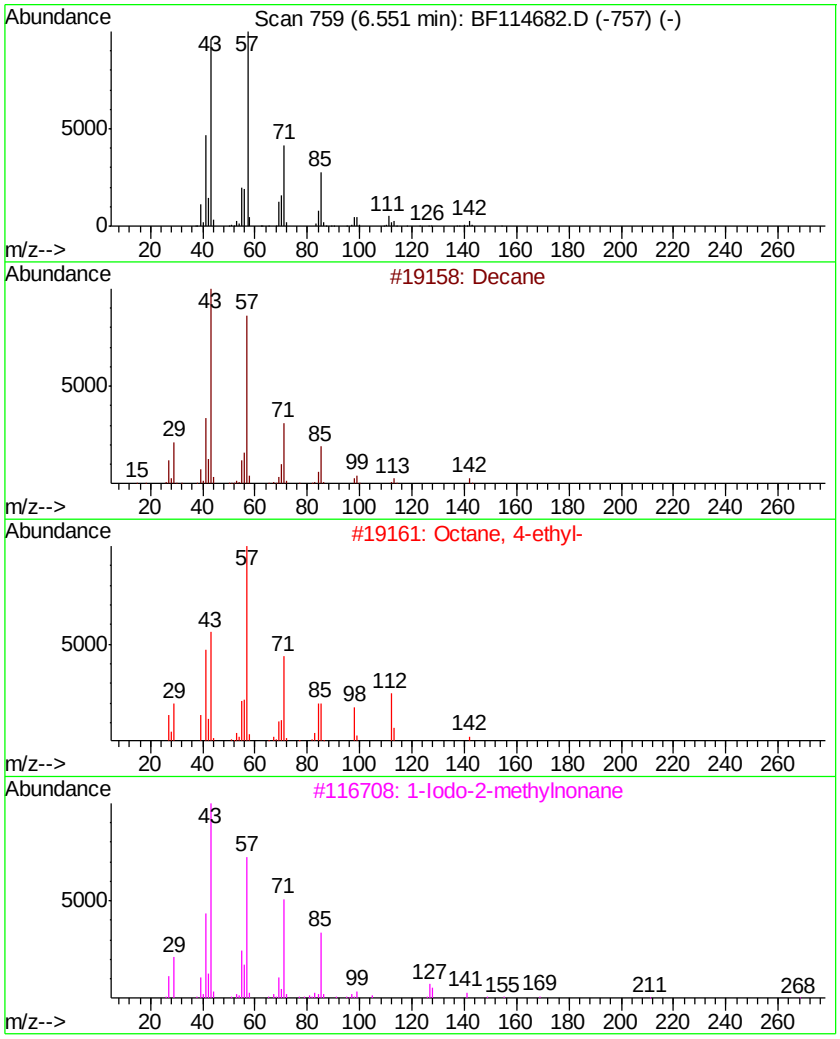
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

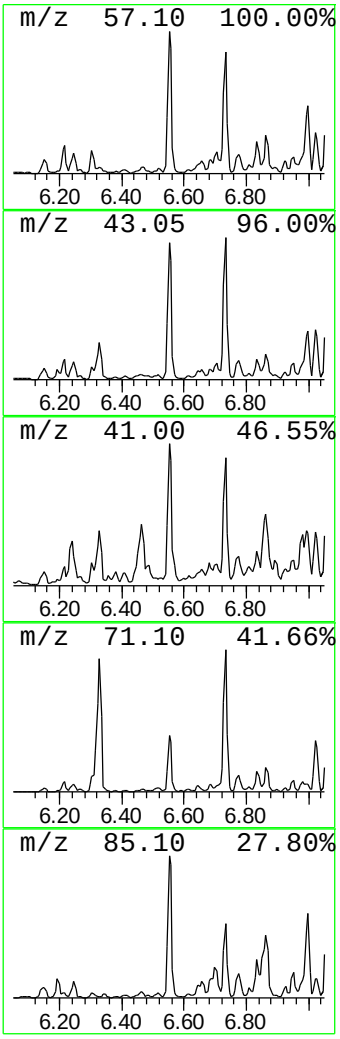
****

Peak Number 4 Decane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	19.88 ng	2834210	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	81
2	Octane, 4-ethyl-	142	C10H22	015869-86-0	72
3	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	64
4	Undecane	156	C11H24	001120-21-4	64
5	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF053019\
Data File : BF114682.D
Acq On : 31 May 2019 1:13
Operator : HP/JU
Sample : K3002-02 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-Z2-20190419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

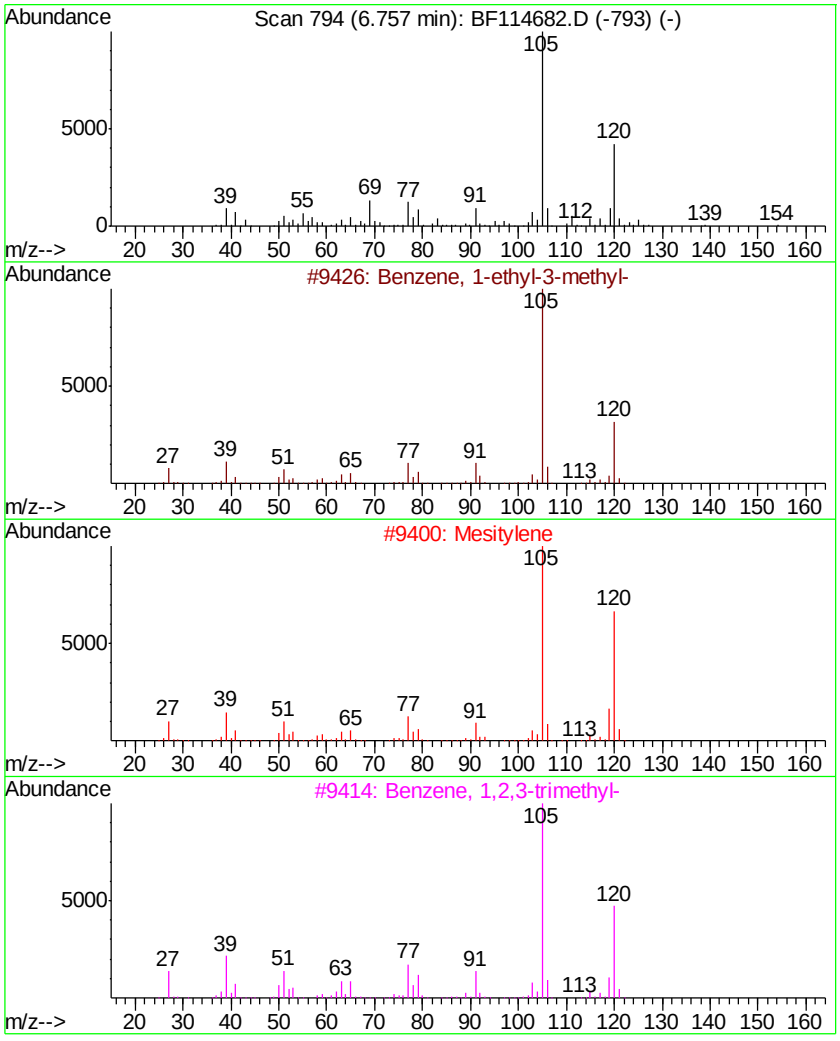
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

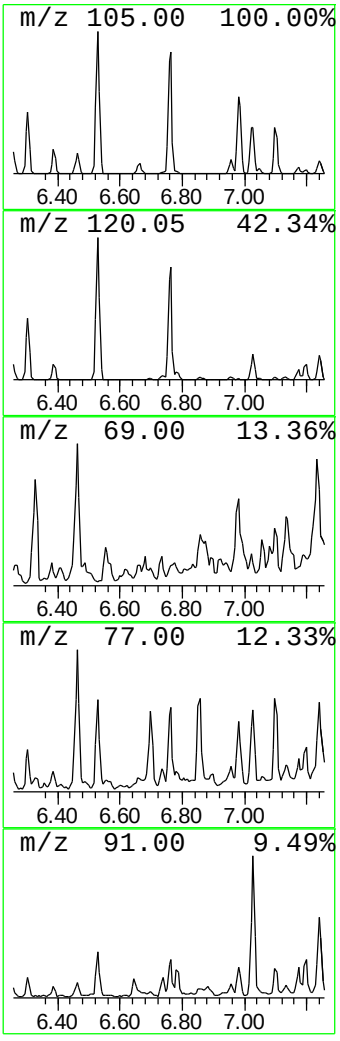
****

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	7.55 ng	1076740	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	64
2	Mesitylene	120	C9H12	000108-67-8	64
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	64
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	64
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	60





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Acq On : 31 May 2019 1:13
Operator : HP/JU
Sample : K3002-02 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-Z2-20190419

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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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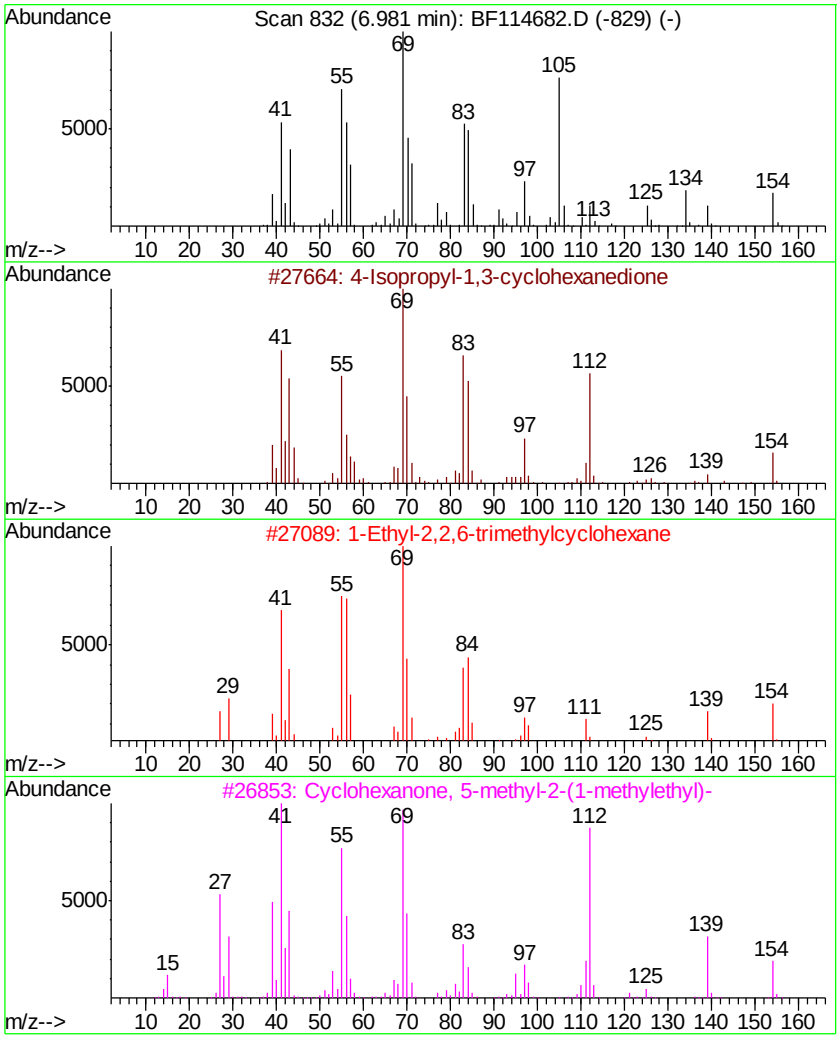
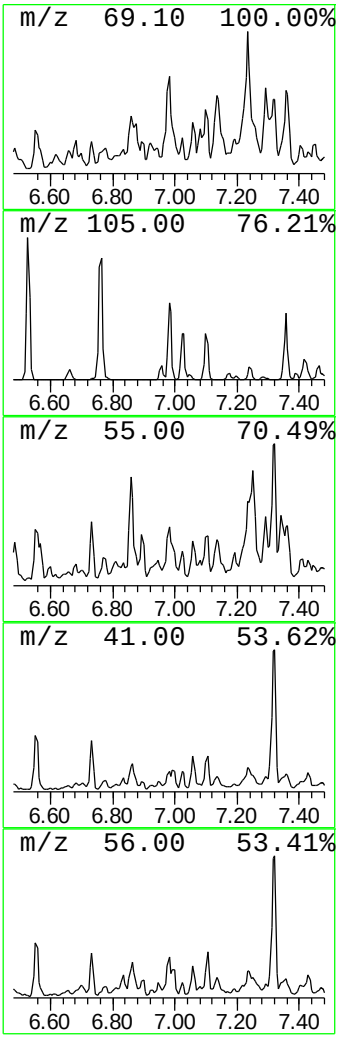
Peak Number 7 4-Isopropyl-1,3-cyclohexane... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	6.36 ng	906837	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Isopropyl-1,3-cyclohexanedione	154	C9H14O2	062831-62-3	83
2	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	80
3	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	010458-14-7	58
4	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	43
5	3-Undecene, (Z)-	154	C11H22	000821-97-6	43





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ClientSampleId : COMP-Z2-20190419

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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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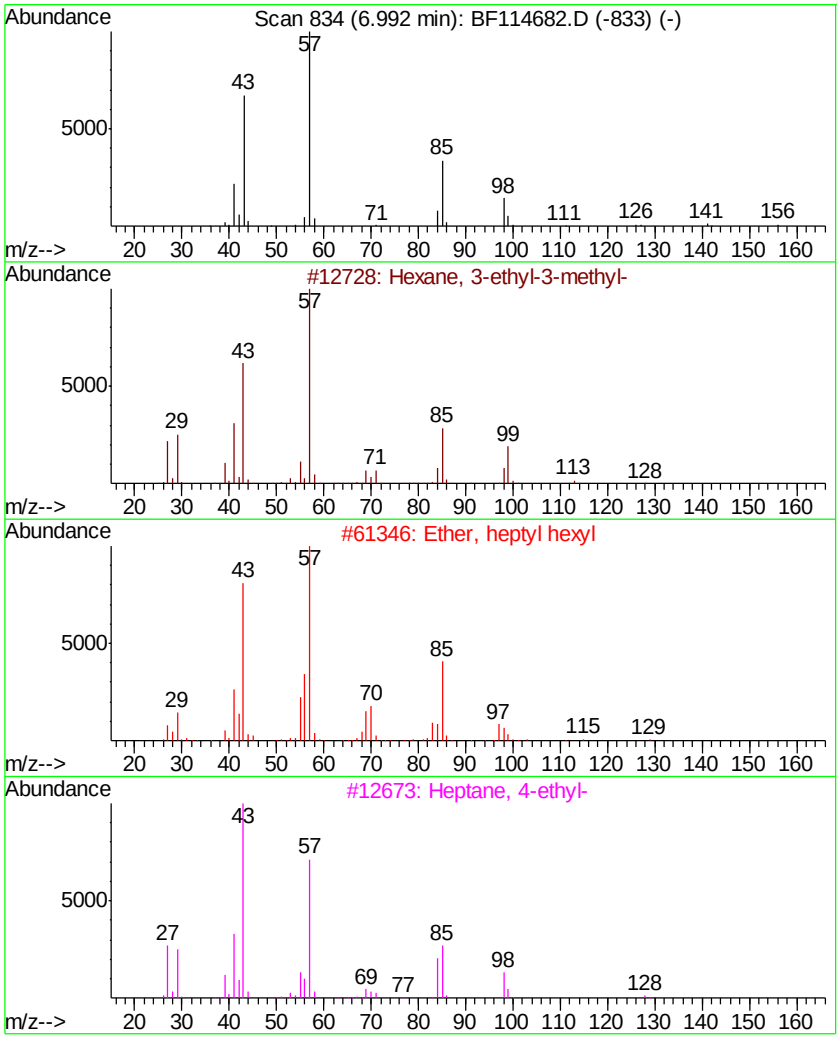
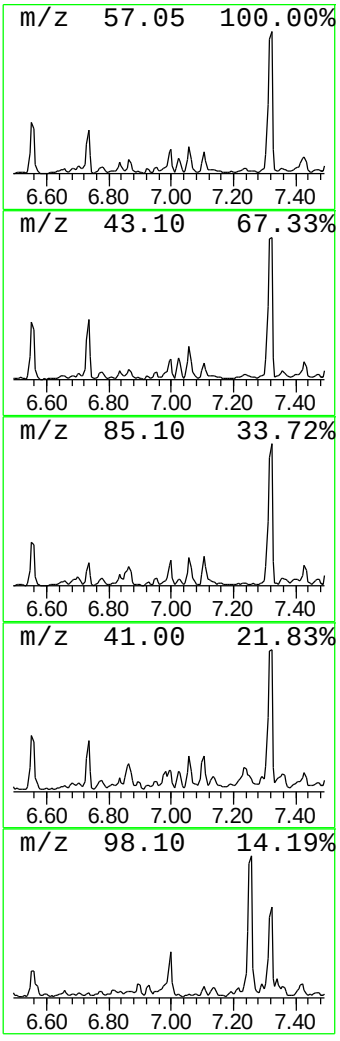
Peak Number 8 Hexane, 3-ethyl-3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	6.05 ng	862396	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-3-methyl-	128	C9H20	003074-76-8	56
2	Ether, heptyl hexyl	200	C13H28O	007289-40-9	50
3	Heptane, 4-ethyl-	128	C9H20	002216-32-2	50
4	Decane, 5-methyl-	156	C11H24	013151-35-4	45
5	Pentane, 3-ethyl-2,3-dimethyl-	128	C9H20	016747-33-4	45





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Instrument : BNA_F
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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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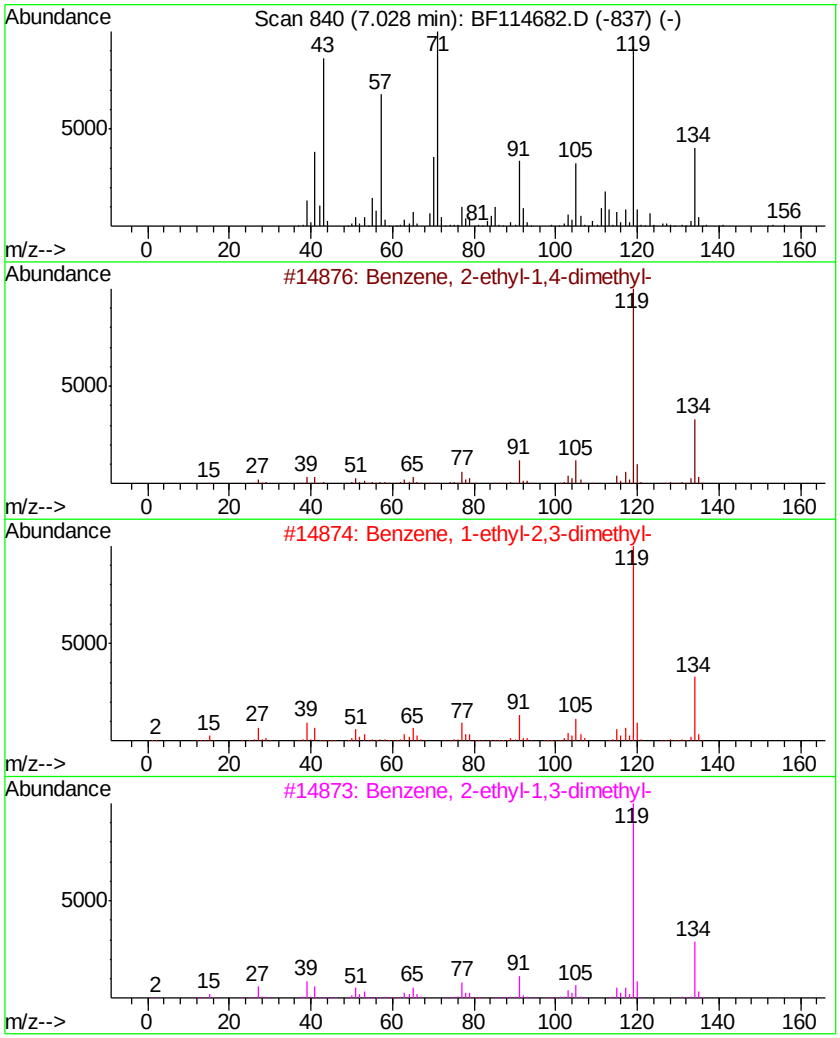
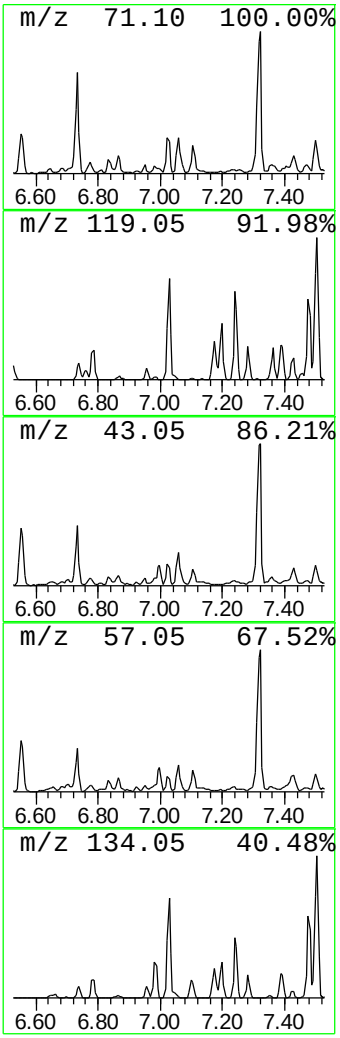
Peak Number 9 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	9.89 ng	1410110	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	83
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	83
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	46
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	46
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	46





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ClientSampleId :
COMP-Z2-20190419

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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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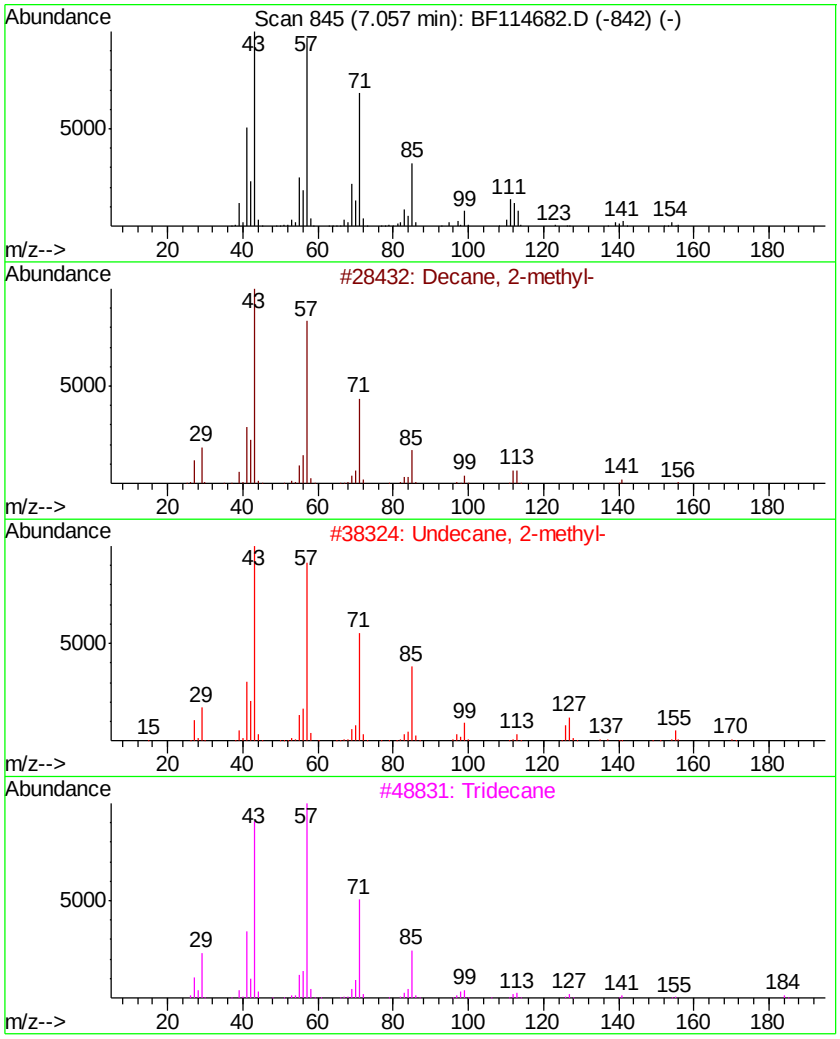
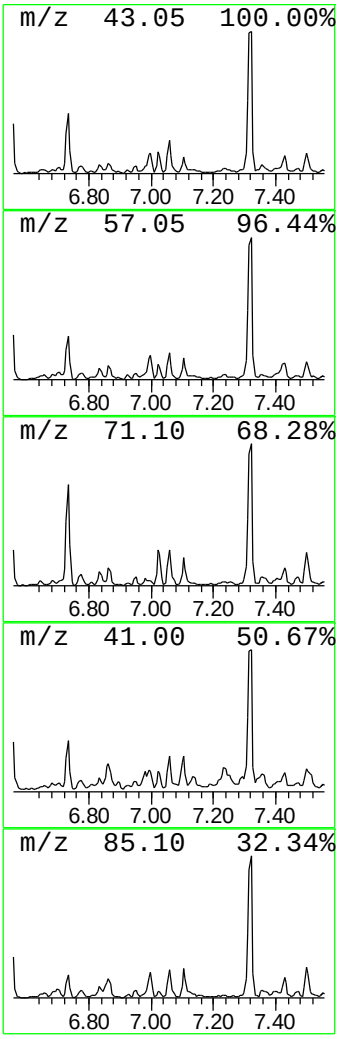
Peak Number 10 Decane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	12.80 ng	1824430	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	87
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	64
3	Tridecane	184	C13H28	000629-50-5	59
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
5	Nonane, 2,3-dimethyl-	156	C11H24	002884-06-2	53





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ClientSampleId :
COMP-Z2-20190419

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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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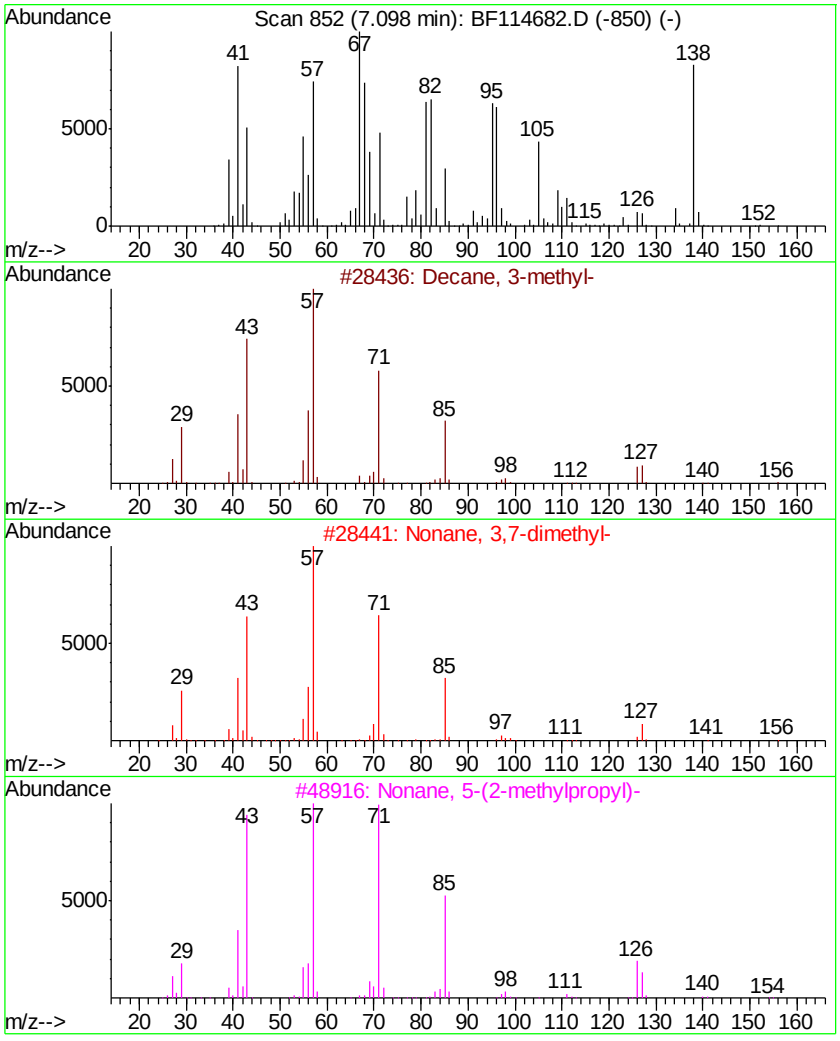
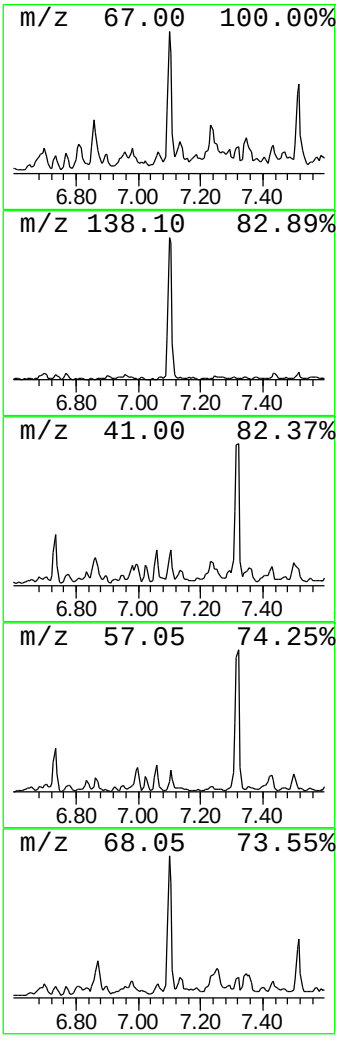
Peak Number 11 unknown7.10 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	13.05 ng	1860400	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	42
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	38
3	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	30
4	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	27
5	Undecane, 3,4-dimethyl-	184	C13H28	017312-78-6	27





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Instrument : BNA_F
ClientSampleId : COMP-Z2-20190419

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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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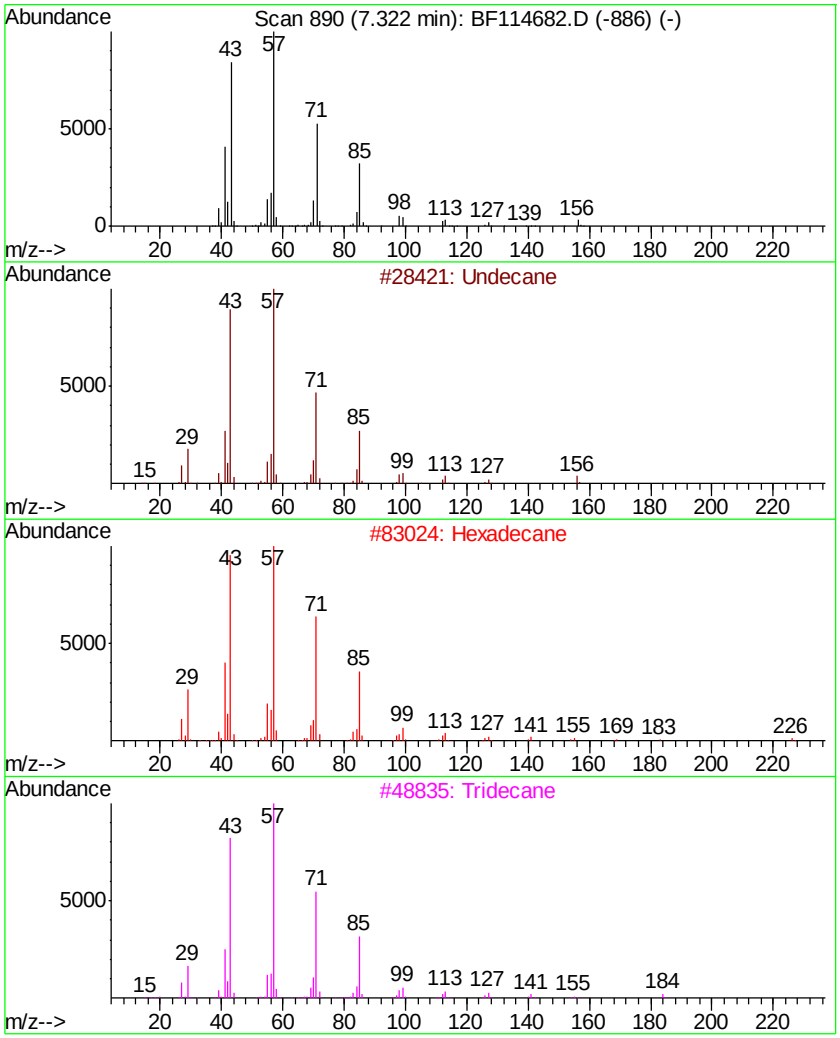
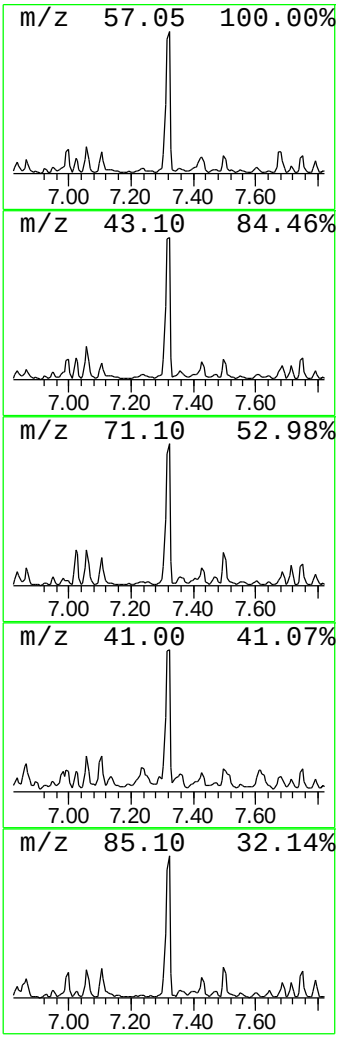
Peak Number 12 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	49.00 ng	6985770	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	97
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tridecane	184	C13H28	000629-50-5	83
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	83
5	Tetradecane	198	C14H30	000629-59-4	83





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ClientSampleId : COMP-Z2-20190419

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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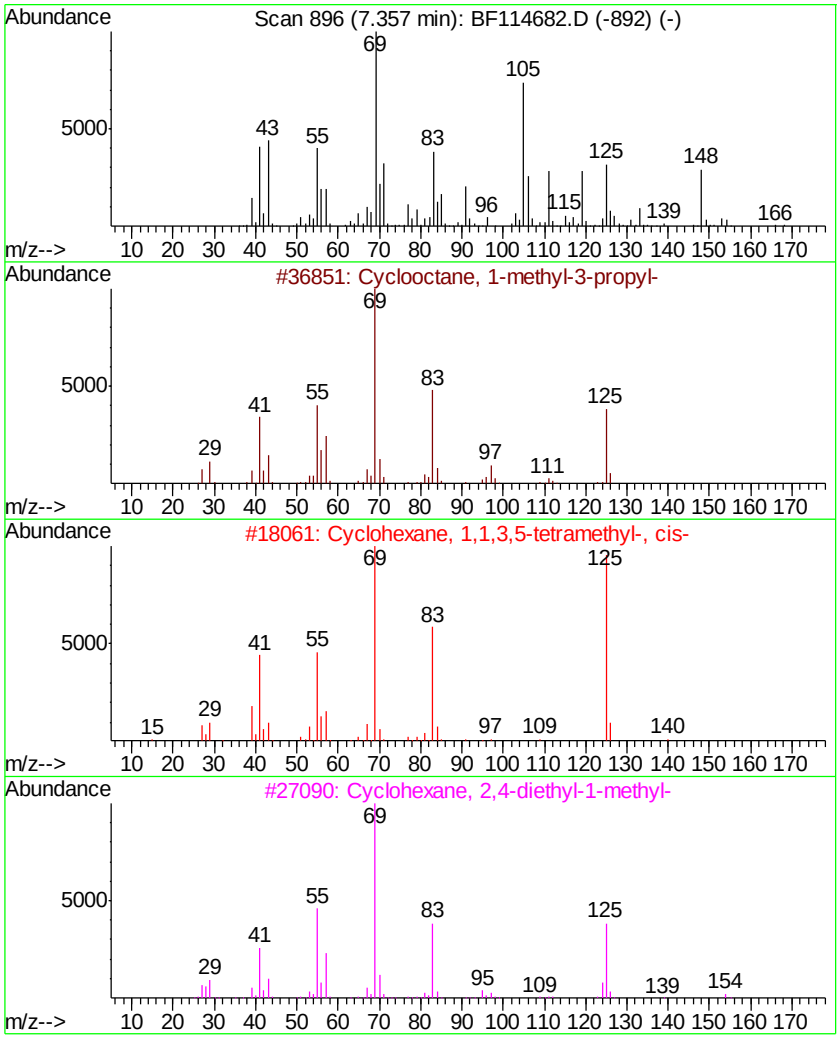
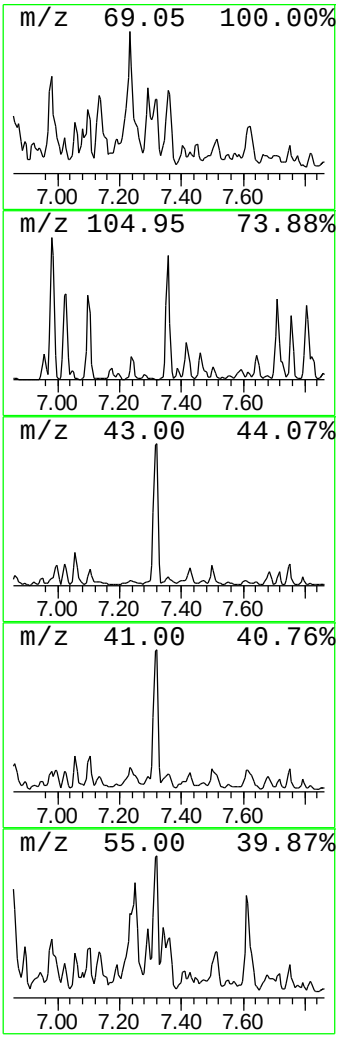
Peak Number 13 unknown7.36 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.36	6.31 ng	1835080	Naphthalene-d8	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	43
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	38
3	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	38
4	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	38
5	Cyclooctane, butyl-	168	C12H24	016538-93-5	27





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ClientSampleId : COMP-Z2-20190419

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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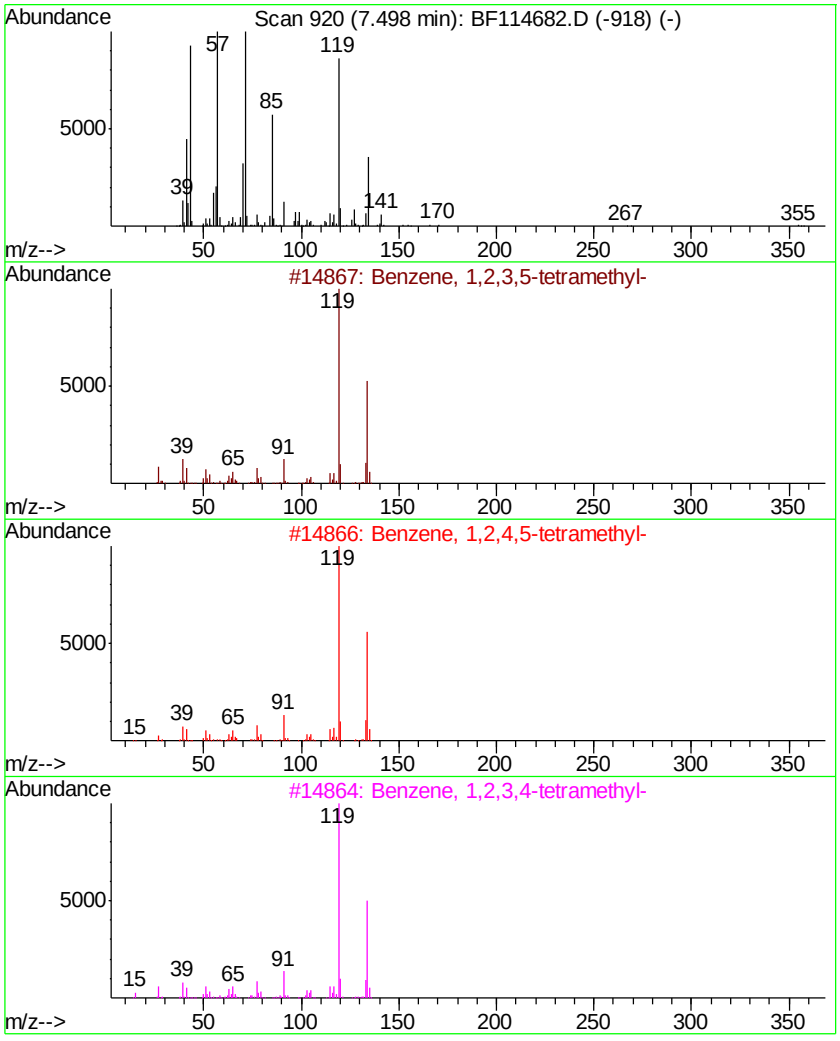
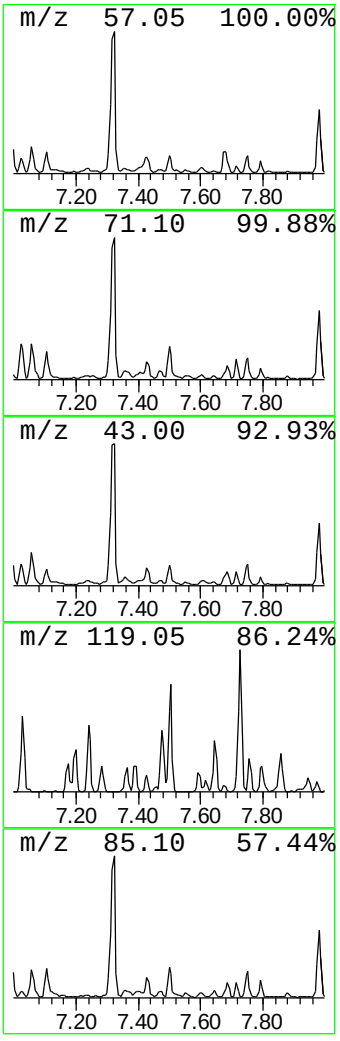
Peak Number 14 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	8.81 ng	2561910	Naphthalene-d8	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70





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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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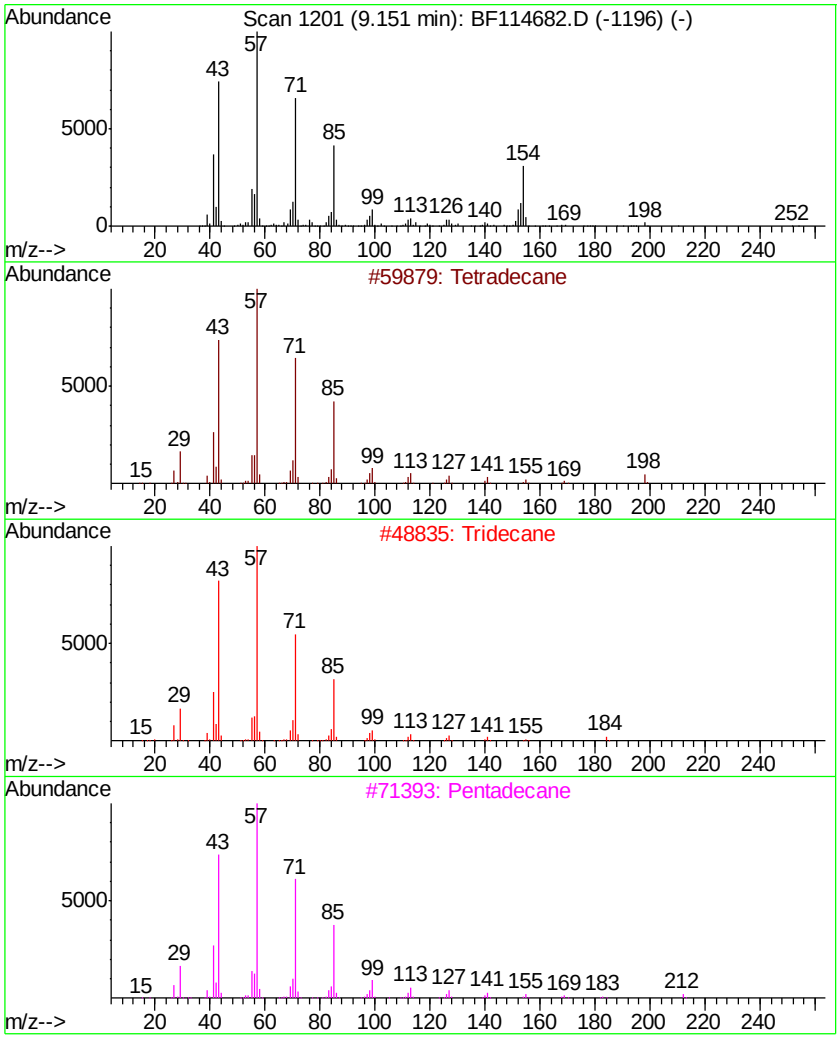
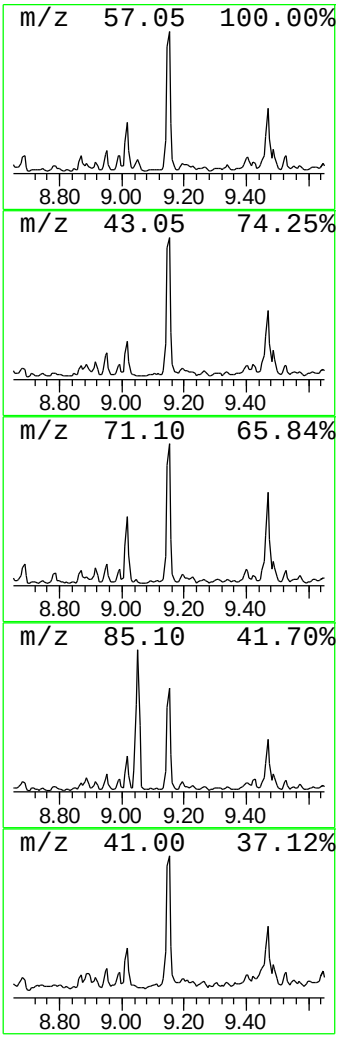
Peak Number 15 Tetradecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	8.50 ng	1435820	Acenaphthene-d10	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	89
2	Tridecane	184	C13H28	000629-50-5	58
3	Pentadecane	212	C15H32	000629-62-9	58
4	Hexadecane	226	C16H34	000544-76-3	49
5	Heneicosane	296	C21H44	000629-94-7	49





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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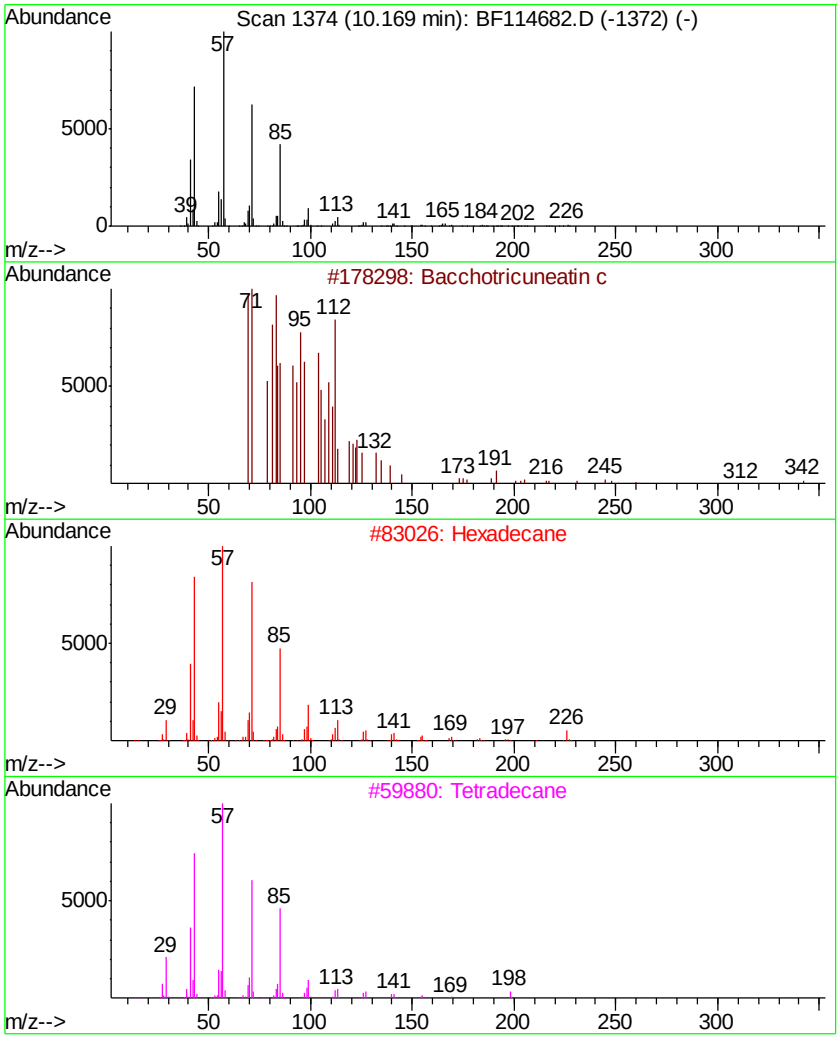
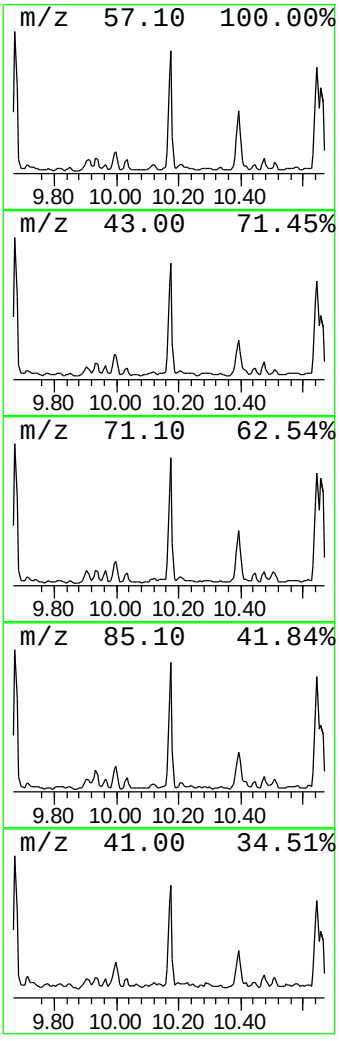
Peak Number 16 Bacchotricuneatin c Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	6.47 ng	1091760	Acenaphthene-d10	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	98
2	Hexadecane	226	C16H34	000544-76-3	95
3	Tetradecane	198	C14H30	000629-59-4	87
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	81
5	Eicosane	282	C20H42	000112-95-8	80





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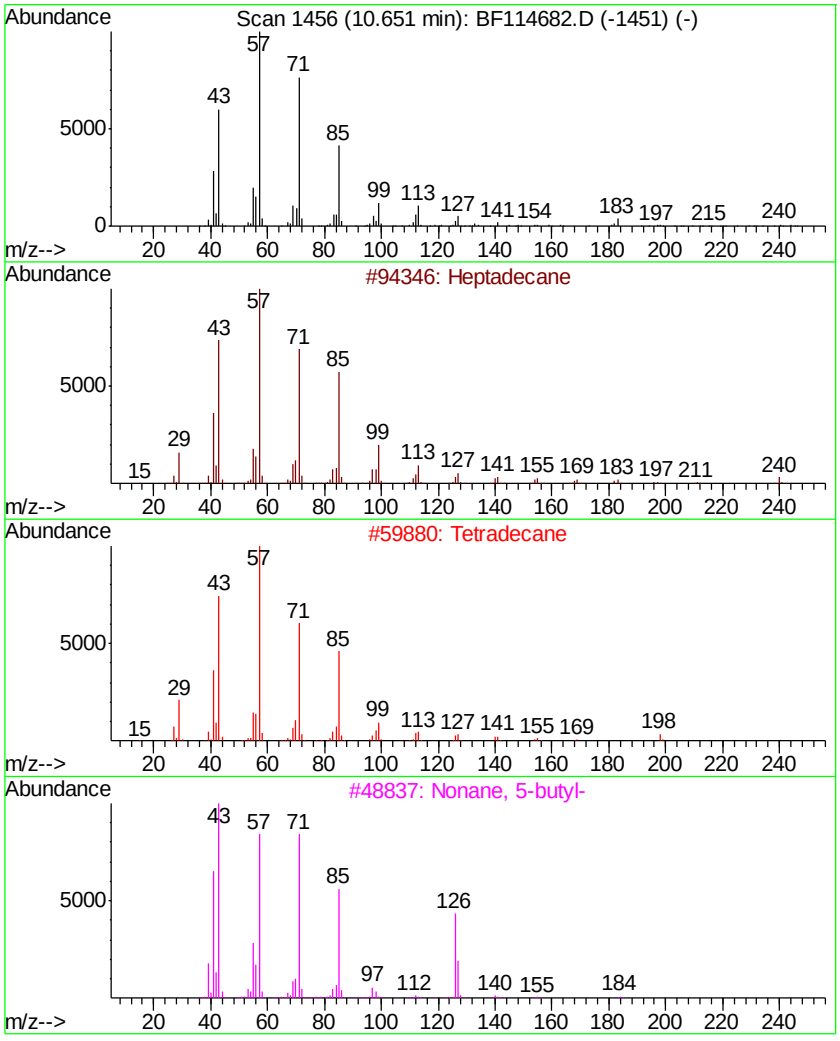
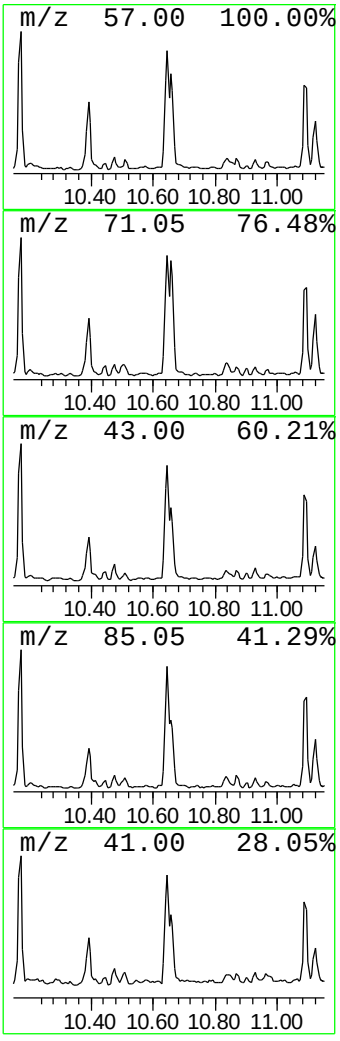
Peak Number 17 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	7.85 ng	1113220	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Tetradecane	198	C14H30	000629-59-4	94
3	Nonane, 5-butyl-	184	C13H28	017312-63-9	93
4	Tetracosane	338	C24H50	000646-31-1	91
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	87





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-Z2-20190419

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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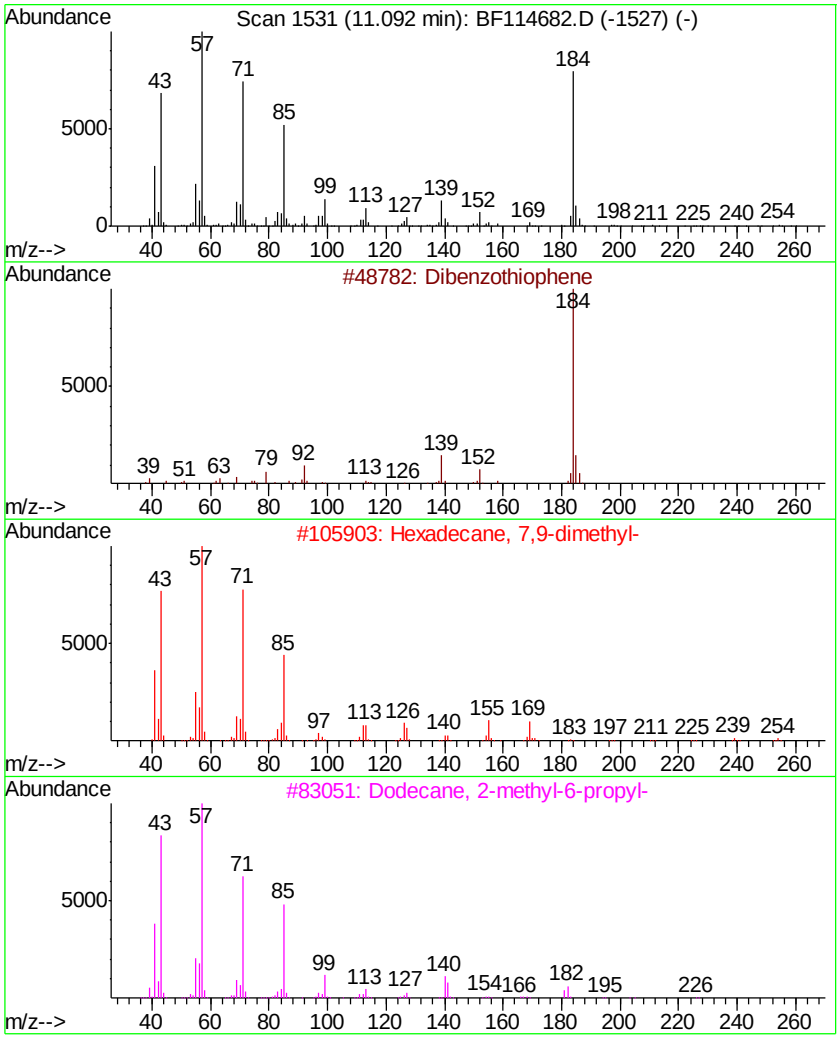
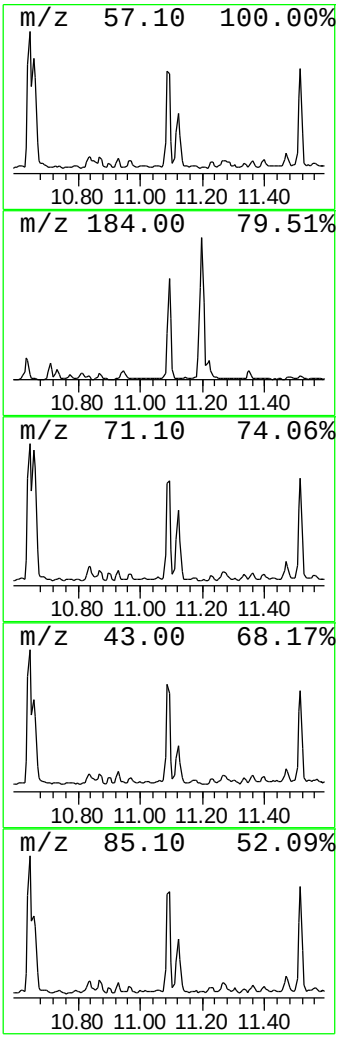
Peak Number 18 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	7.57 ng	1072850	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	83
2	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	60
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	60
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	53
5	Heptadecane	240	C17H36	000629-78-7	53





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Acq On : 31 May 2019 1:13
Operator : HP/JU
Sample : K3002-02 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-Z2-20190419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.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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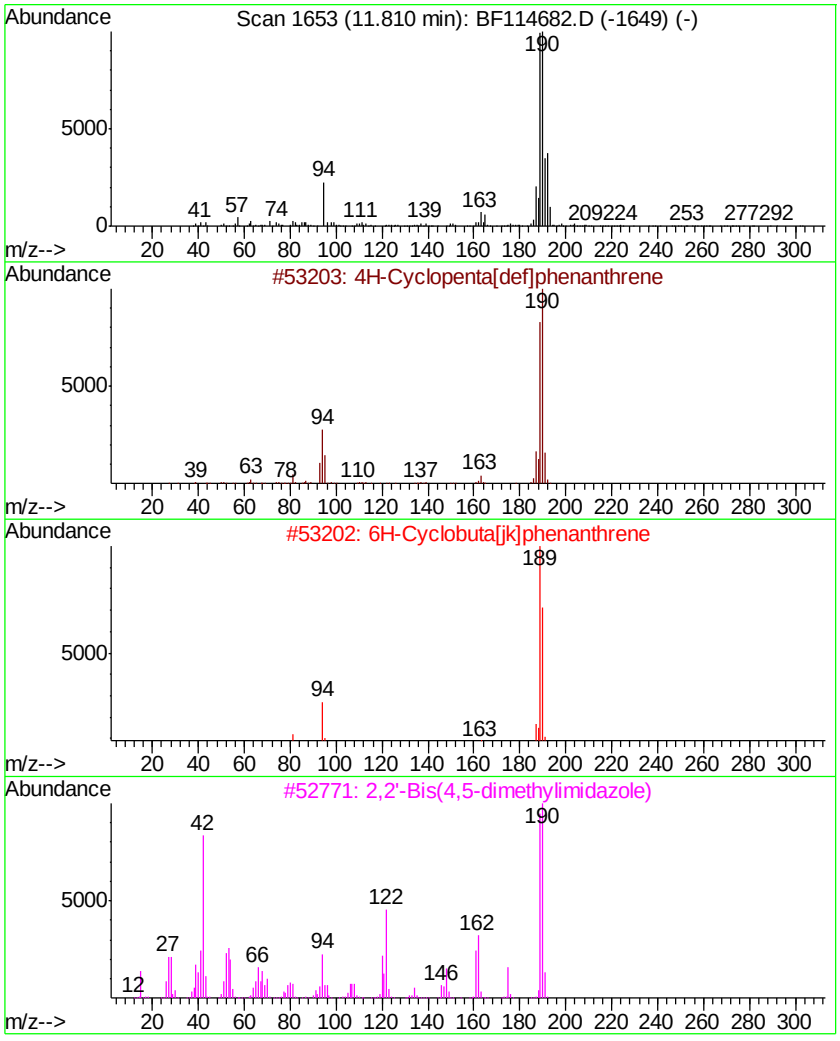
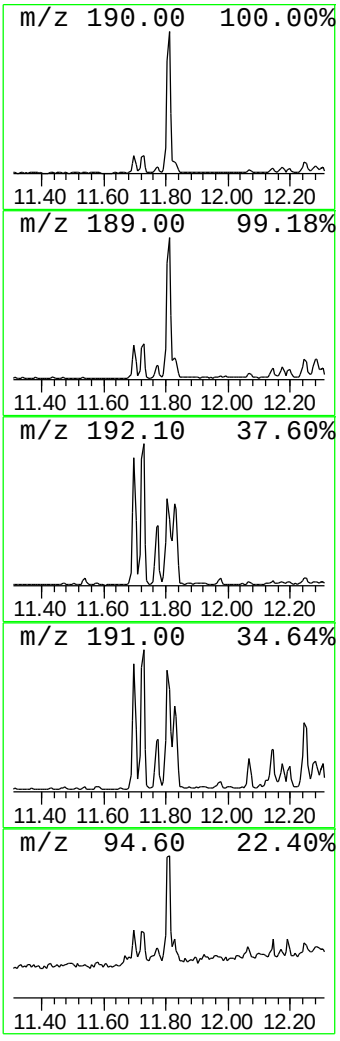
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	7.33 ng	1038550	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF053019\
Data File : BF114682.D
Acq On : 31 May 2019 1:13
Operator : HP/JU
Sample : K3002-02 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-Z2-20190419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.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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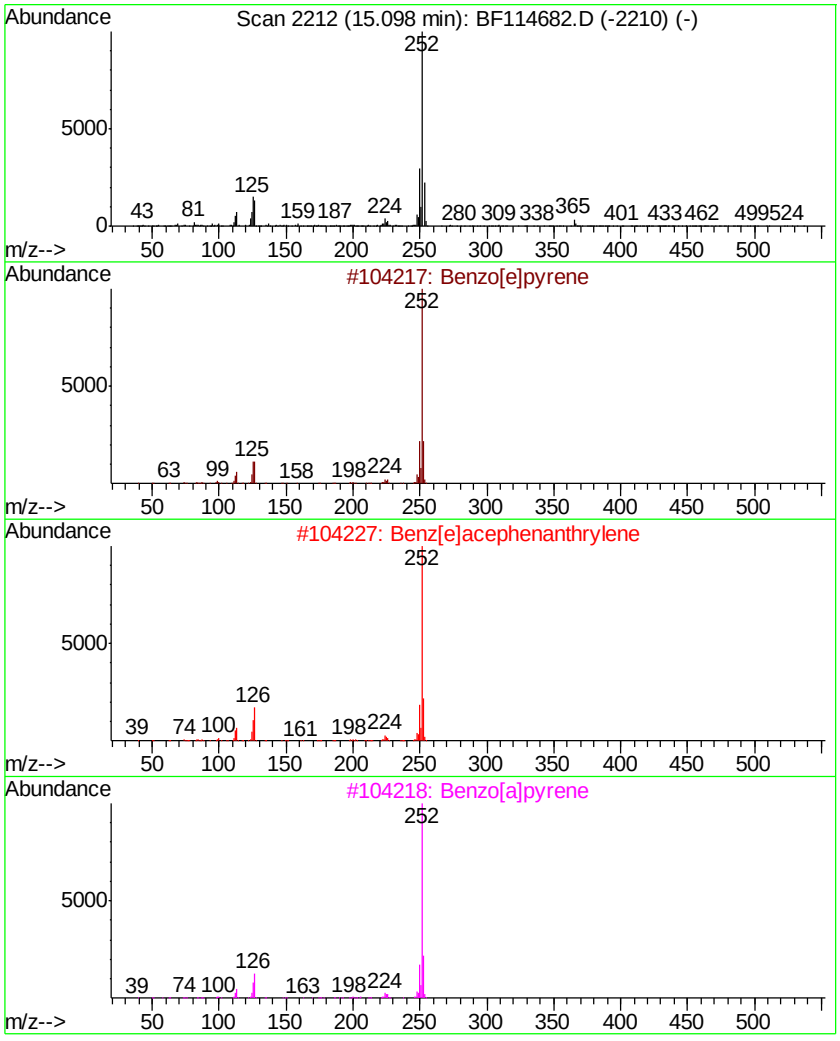
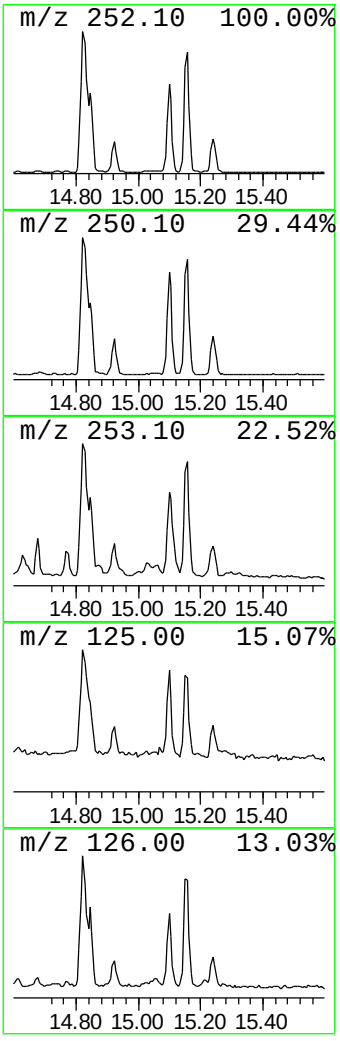
Peak Number 20 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	11.24 ng	758598	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	98
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF053019\
Data File : BF114682.D
Acq On : 31 May 2019 1:13
Operator : HP/JU
Sample : K3002-02 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-Z2-20190419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.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
Octane, 2,6-dimet...	5.96	6.8	ng	968093	1	6.70	2851110	20.0
2-Octene, 2,6-dim...	6.24	10.8	ng	1544910	1	6.70	2851110	20.0
unknown6.46	6.46	43.0	ng	6124580	1	6.70	2851110	20.0
Decane	6.55	19.9	ng	2834210	1	6.70	2851110	20.0
Benzene, 1-ethyl-...	6.76	7.5	ng	1076740	1	6.70	2851110	20.0
4-Isopropyl-1,3-c...	6.98	6.4	ng	906837	1	6.70	2851110	20.0
Hexane, 3-ethyl-3...	6.99	6.0	ng	862396	1	6.70	2851110	20.0
Benzene, 2-ethyl-...	7.03	9.9	ng	1410110	1	6.70	2851110	20.0
Decane, 2-methyl-	7.06	12.8	ng	1824430	1	6.70	2851110	20.0
unknown7.10	7.10	13.1	ng	1860400	1	6.70	2851110	20.0
Undecane	7.32	49.0	ng	6985770	1	6.70	2851110	20.0
unknown7.36	7.36	6.3	ng	1835080	2	7.98	5818010	20.0
Benzene, 1,2,3,5-...	7.50	8.8	ng	2561910	2	7.98	5818010	20.0
Tetradecane	9.15	8.5	ng	1435820	3	9.72	3376870	20.0
Bacchotricuneatin c	10.17	6.5	ng	1091760	3	9.72	3376870	20.0
Heptadecane	10.65	7.8	ng	1113220	4	11.20	2834980	20.0
Dibenzothiophene	11.09	7.6	ng	1072850	4	11.20	2834980	20.0
4H-Cyclopenta[def...	11.81	7.3	ng	1038550	4	11.20	2834980	20.0
Benzo[e]pyrene	15.10	11.2	ng	758598	6	15.22	1349520	20.0