LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111382.D
Acq On : 13 Dec 2018 20:58
Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

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-BF121218.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	4.251	357	368	372	rBV	818173	1054958	12.37%	0.537%
2	4.404	388	394	403	rVB	734432	904198	10.60%	0.461%
3	5.428	561	568	579	rVB	1523878	2367396	27.76%	1.206%
4	5.951	651	657	662	rVB	1021064	927591	10.88%	0.472%
5	6.157	686	692	694	rVV6	251010	575177	6.75%	0.293%
6	6.328	717	721	724	rBV	2258491	2365494	27.74%	1.205%
7	6.404	730	734	737	rBV	642730	641472	7.52%	0.327%
8	6.487	744	748	754	rVB2	1225666	2091052	24.52%	1.065%
9	6.587	758	765	767	rBV	3415141	4617050	54.14%	2.351%
10	6.616	767	770	772	rVV	3889563	4076999	47.81%	2.076%
11	6.645	772	775	778	rVV	3680926	3222067	37.79%	1.641%
12	6.745	786	792	797	rVB2	5777604	8527239	100.00%	4.343%
13	6.792	797	800	803	rBV	1601979	1593353	18.69%	0.811%
14	6.834	803	807	812	rBV3	2200187	2673422	31.35%	1.362%
15	6.951	823	827	831	rVV2	4963364	4965150	58.23%	2.529%
16	7.110	847	854	856	rBV3	1435025	2550121	29.91%	1.299%
17	7.157	859	862	866	rBV2	782752	749401	8.79%	0.382%
18	7.204	866	870	871	rBV	1328344	1293457	15.17%	0.659%
19	7.216	871	872	874	rVV	975508	745480	8.74%	0.380%
20	7.239	874	876	878	rVB	966276	728396	8.54%	0.371%
21	7.316	884	889	890	rBV2	618945	771800	9.05%	0.393%
22	7.357	890	896	899	rVV3	2893802	4683301	54.92%	2.385%
23	7.398	900	903	905	rVB	1926239	1421719	16.67%	0.724%
24	7.434	905	909	911	rBV	1513355	1403964	16.46%	0.715%
25	7.457	911	913	915	rBV	643480	622325	7.30%	0.317%
26	7.481	915	917	920	rVB3	856387	737987	8.65%	0.376%
27	7.622	935	941	942	rBV2	667808	989424	11.60%	0.504%
28	7.692	949	953	954	rBV	948410	937710	11.00%	0.478%
29	7.751	954	963	965	rVV2	2042651	4742115	55.61%	2.415%
30	7.834	972	977	980	rBV	3000504	4009463	47.02%	2.042%
31	7.863	980	982	984	rVV2	1094172	1132365	13.28%	0.577%
32	7.881	984	985	987	rVV2	1069379	689187	8.08%	0.351%
33	7.904	987	989	992	rVV3	735410	668082	7.83%	0.340%
34	7.969	992	1000	1003	rVV	2011197	3353788	39.33%	1.708%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111382.D
Acq On : 13 Dec 2018 20:58
Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

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-BF121218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.081	1015	1019	1023	rVB	2690756	2351136	27.57%	1.197%
36	8.269	1047	1051	1056	rVB	2230523	2183233	25.60%	1.112%
37	8.310	1056	1058	1060	rBV	624739	545707	6.40%	0.278%
38	8.351	1060	1065	1069	rBV3	2094943	3057908	35.86%	1.557%
39	8.439	1078	1080	1082	rBV2	512934	577805	6.78%	0.294%
40	8.463	1082	1084	1086	rVV2	905877	759123	8.90%	0.387%
41	8.498	1088	1090	1092	rVB2	1069143	769652	9.03%	0.392%
42	8.545	1092	1098	1103	rBV8	2214060	6096044	71.49%	3.105%
43	8.592	1103	1106	1107	rVV	2250938	2809053	32.94%	1.431%
44	8.622	1108	1111	1113	rVV2	3351238	4792926	56.21%	2.441%
45	8.663	1116	1118	1125	rVB4	3071815	5929405	69.53%	3.020%
46	8.745	1125	1132	1134	rBV3	2127324	2812991	32.99%	1.433%
47	8.769	1134	1136	1139	rVB2	1086794	1036647	12.16%	0.528%
48	8.804	1139	1142	1145	rBV2	977382	1157235	13.57%	0.589%
49	8.839	1145	1148	1153	rVB4	2342034	4056901	47.58%	2.066%
50	8.892	1154	1157	1160	rVB3	660404	536614	6.29%	0.273%
51	8.957	1163	1168	1171	rBV2	4997513	5432759	63.71%	2.767%
52	9.057	1181	1185	1189	rVB3	1622938	2074827	24.33%	1.057%
53	9.128	1192	1197	1198	rVV2	1030964	1426670	16.73%	0.727%
54	9.157	1198	1202	1204	rVV3	6410035	7363672	86.35%	3.750%
55	9.181	1204	1206	1216	rVB2	1821389	2500884	29.33%	1.274%
56	9.351	1233	1235	1240	rVB4	808947	678583	7.96%	0.346%
57	9.416	1240	1246	1249	rBV3	1336073	2481386	29.10%	1.264%
58	9.469	1252	1255	1257	rBV2	1126806	1064966	12.49%	0.542%
59	9.486	1257	1258	1260	rBV	963701	694750	8.15%	0.354%
60	9.510	1260	1262	1263	rBV	1620754	1237445	14.51%	0.630%
61	9.657	1282	1287	1292	rVB3	1591125	2519210	29.54%	1.283%
62	9.722	1292	1298	1300	rBV2	869891	1441828	16.91%	0.734%
63	9.757	1302	1304	1311	rVB4	583778	720963	8.45%	0.367%
64	9.833	1314	1317	1323	rVB2	2151879	2617730	30.70%	1.333%
65	9.892	1323	1327	1329	rBV3	1111094	1337436	15.68%	0.681%
66	10.222	1380	1383	1385	rBV3	784225	977411	11.46%	0.498%
67	10.251	1385	1388	1390	rBV	1308429	1650317	19.35%	0.841%
68	10.316	1396	1399	1400	rBV	2289760	2212767	25.95%	1.127%
69	10.357	1404	1406	1410	rVB2	1356734	1308751	15.35%	0.667%
70	10.463	1421	1424	1427	rBV2	1120421	1032034	12.10%	0.526%
71	10.533	1433	1436	1438	rBV	745313	735001	8.62%	0.374%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111382.D
Acq On : 13 Dec 2018 20:58
Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

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-BF121218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.580	1442	1444	1449	rVB2	552067	593353	6.96%	0.302%
73	10.628	1449	1452	1457	rBV	2073328	1797729	21.08%	0.916%
74	10.675	1457	1460	1464	rVB3	816524	838223	9.83%	0.427%
75	10.798	1478	1481	1484	rVB4	424659	555829	6.52%	0.283%
76	10.833	1484	1487	1488	rBV	537681	508305	5.96%	0.259%
77	10.863	1490	1492	1494	rVV	639641	507340	5.95%	0.258%
78	11.204	1546	1550	1553	rBV2	2654919	2820748	33.08%	1.437%
79	11.316	1565	1569	1573	rBV2	1952243	2098760	24.61%	1.069%
80	11.375	1576	1579	1581	rVV	1537212	1334148	15.65%	0.679%
81	11.480	1594	1597	1601	rBV3	2361545	3508184	41.14%	1.787%
82	11.516	1601	1603	1604	rBV	621735	521442	6.12%	0.266%
83	11.657	1622	1627	1630	rBV4	1194325	1882128	22.07%	0.959%
84	11.727	1636	1639	1643	rBV	1883891	1655196	19.41%	0.843%
85	11.874	1660	1664	1668	rBV	2437058	2228698	26.14%	1.135%
86	11.998	1681	1685	1687	rBV3	1655397	1949381	22.86%	0.993%
87	12.027	1687	1690	1696	rVB4	1157516	1864212	21.86%	0.949%
88	12.339	1740	1743	1747	rBV2	622577	749793	8.79%	0.382%
89	12.651	1793	1796	1804	rVB2	2350409	3597528	42.19%	1.832%
90	12.816	1820	1824	1827	rBV	2118593	2297559	26.94%	1.170%
91	12.904	1836	1839	1842	rBV	2926761	2354798	27.62%	1.199%
92	13.804	1989	1992	1996	rBV	754883	841631	9.87%	0.429%
93	13.951	2014	2017	2022	rVB	1256191	1308470	15.34%	0.666%
94	14.127	2044	2047	2056	rVB	723248	825737	9.68%	0.421%
95	14.433	2096	2099	2113	rVB	1321793	1985398	23.28%	1.011%
96	14.733	2147	2150	2156	rVB	980179	947113	11.11%	0.482%
97	15.063	2202	2206	2211	rVB	787756	866965	10.17%	0.442%
98	15.392	2258	2262	2265	rBV	675714	776512	9.11%	0.395%
99	15.433	2265	2269	2273	rVB	630873	753646	8.84%	0.384%
100	15.857	2337	2341	2345	rVB	401921	564824	6.62%	0.288%

Sum of corrected areas: 196348123

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111382.D
Acq On : 13 Dec 2018 20:58
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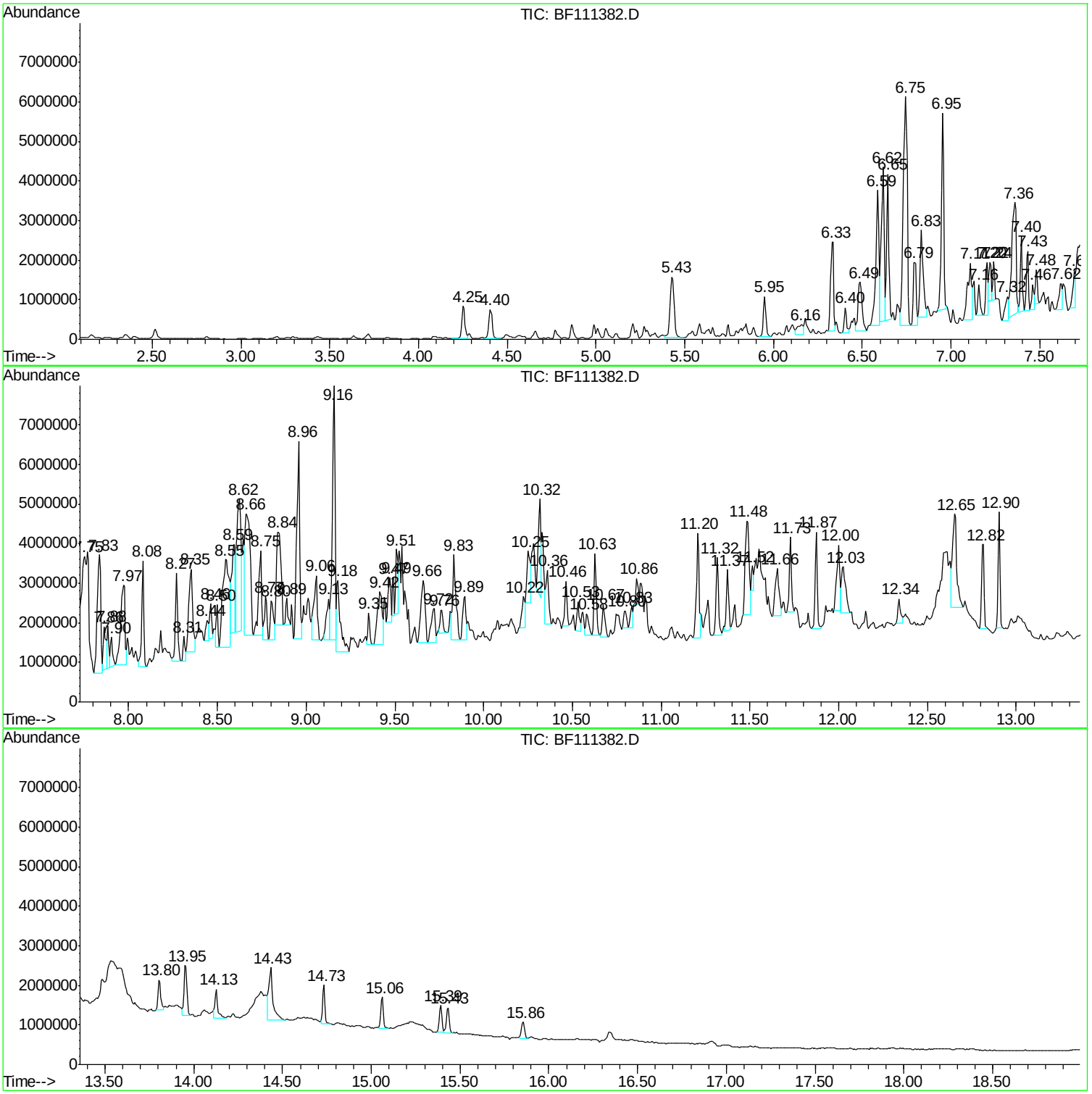
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SW002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.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\BF121318\
Data File : BF111382.D
Acq On : 13 Dec 2018 20:58
Operator : JU/SJ
Sample : J6305-02
Misc :
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Instrument : BNA_F
ClientSampleId : P001-SW002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

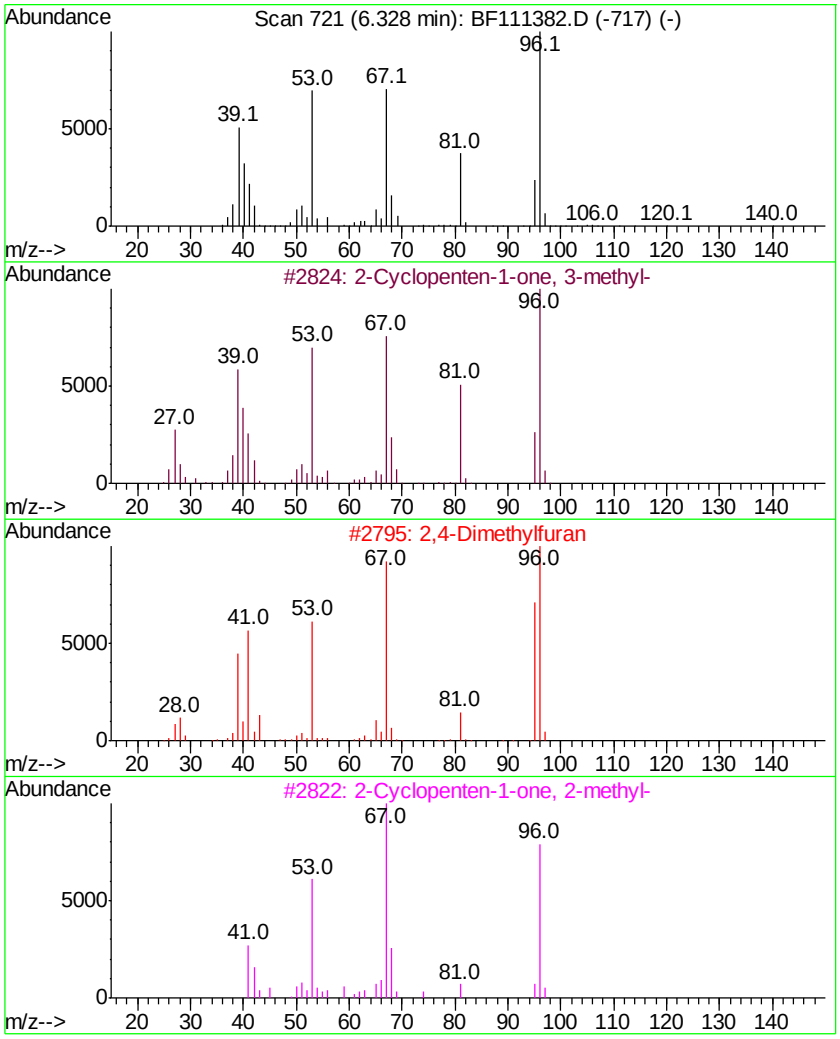
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

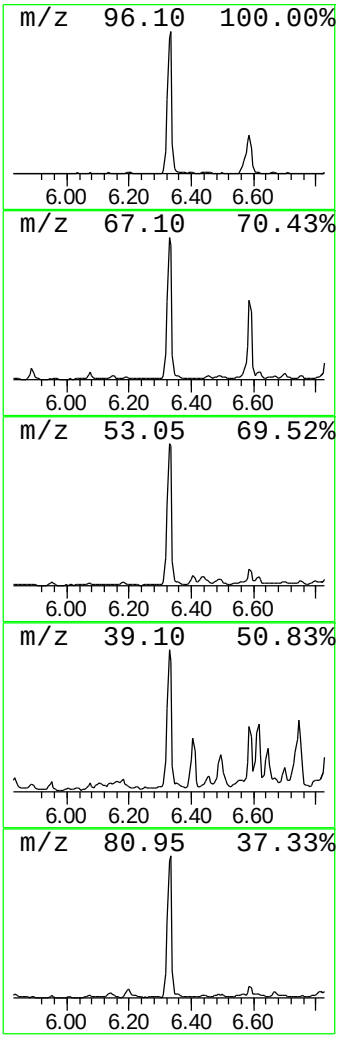
****

Peak Number 1 2-Cyclopenten-1-one, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	29.69 ng	2365490	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 3-methyl-	96	C6H8O	002758-18-1	94
2	2,4-Dimethylfuran	96	C6H8O	003710-43-8	86
3	2-Cyclopenten-1-one, 2-methyl-	96	C6H8O	001120-73-6	83
4	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	53
5	1-Butyne, 3-methyl-	68	C5H8	000598-23-2	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111382.D
Acq On : 13 Dec 2018 20:58
Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

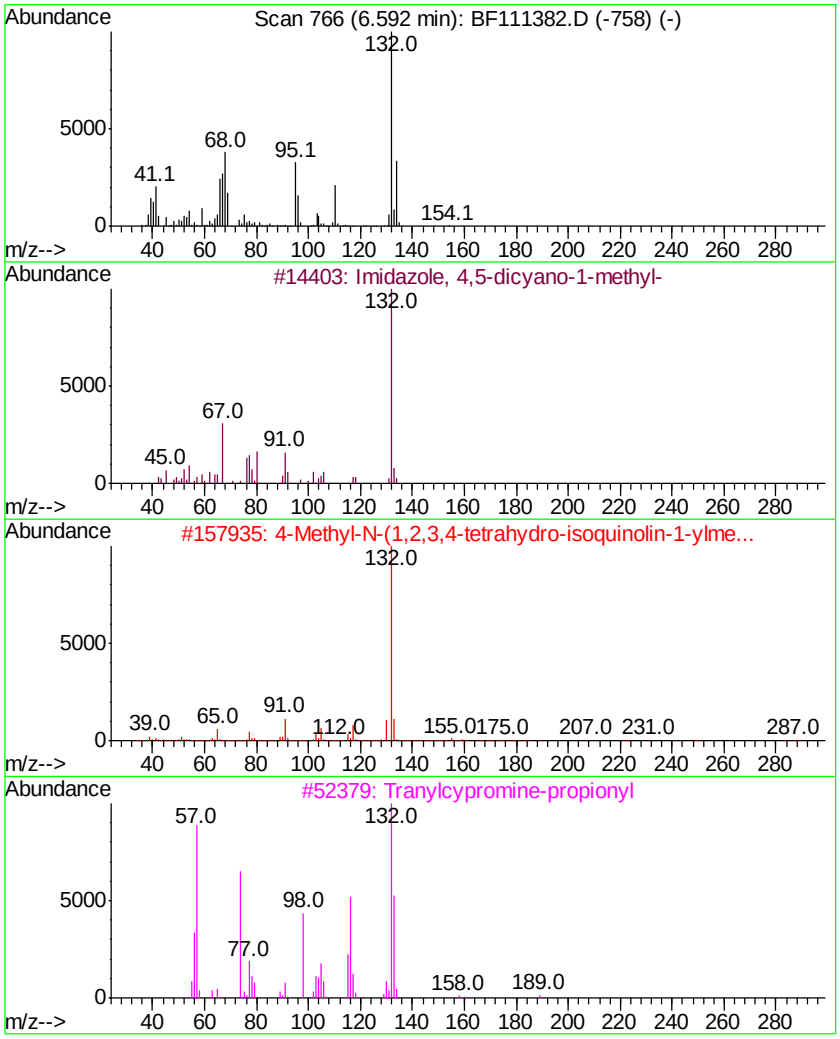
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

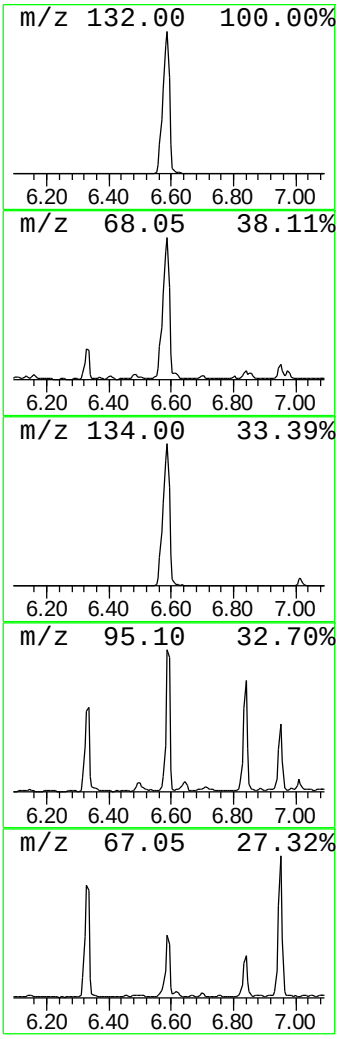
****

Peak Number 2 unknown6.59 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	57.95 ng	4617050	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	22
2	4-Methyl-N-(1,2,3,4-tetrahydro-i...	316	C17H20N2O2S	1000274-62-9	10
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111382.D
Acq On : 13 Dec 2018 20:58
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Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

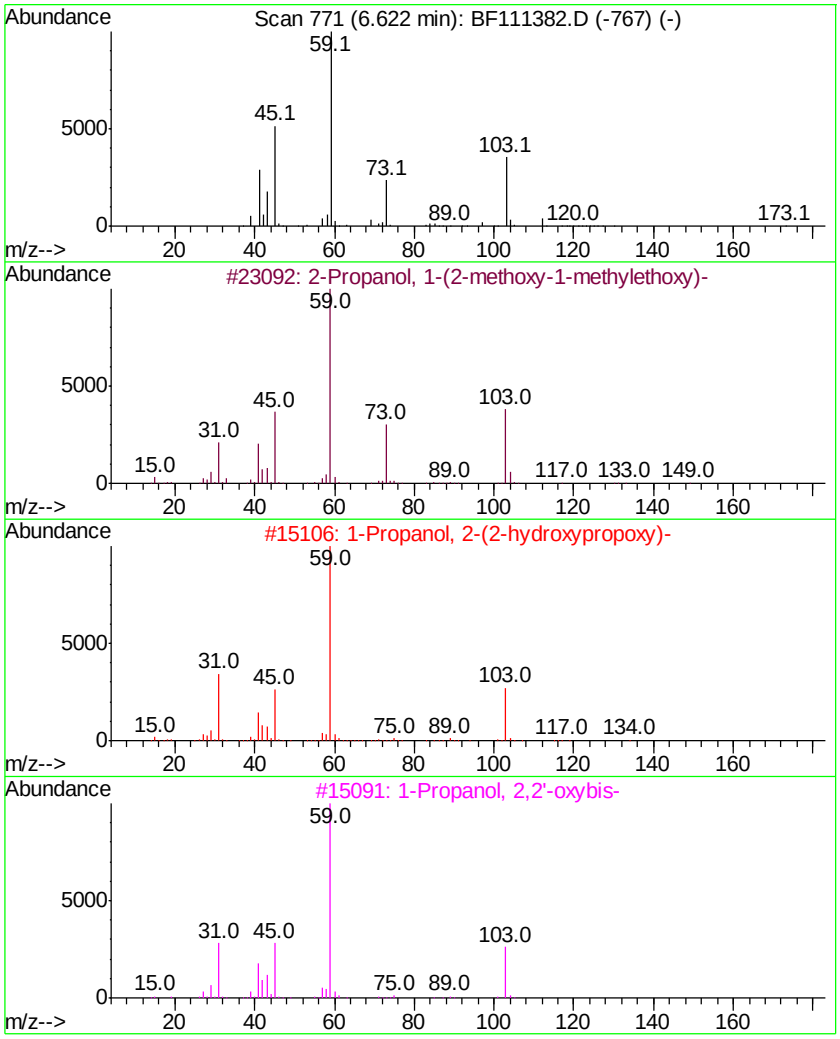
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

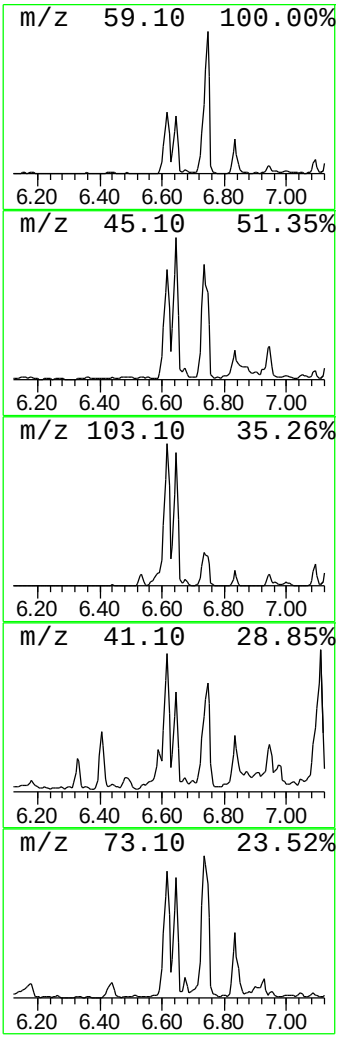
****

Peak Number 3 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	51.18 ng	4077000	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	64
2	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	53
3	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	53
4	Ethyl ether	74	C4H10O	000060-29-7	36
5	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	36





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111382.D
Acq On : 13 Dec 2018 20:58
Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

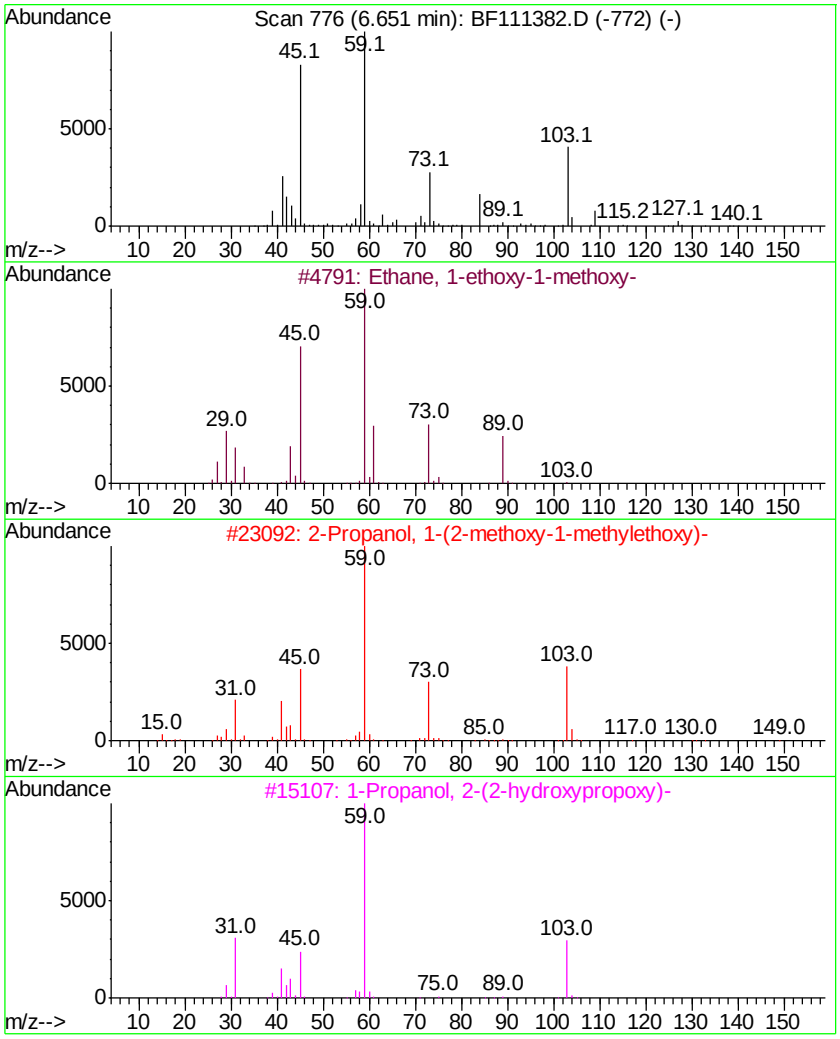
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

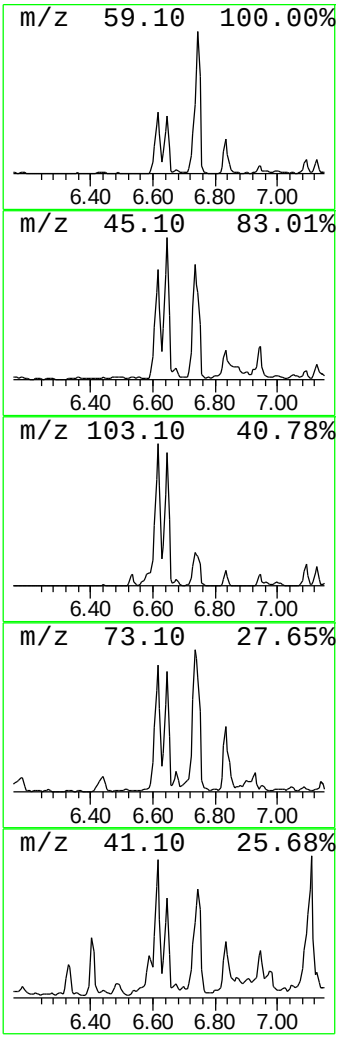
****

Peak Number 4 Ethane, 1-ethoxy-1-methoxy- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	40.44 ng	3222070	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1-ethoxy-1-methoxy-	104	C5H12O2	010471-14-4	64
2	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	53
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	47
4	1-Propanol, 2-(2-methoxy-1-methy...	148	C7H16O3	055956-21-3	40
5	Ethyl ether	74	C4H10O	000060-29-7	39





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111382.D
Acq On : 13 Dec 2018 20:58
Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

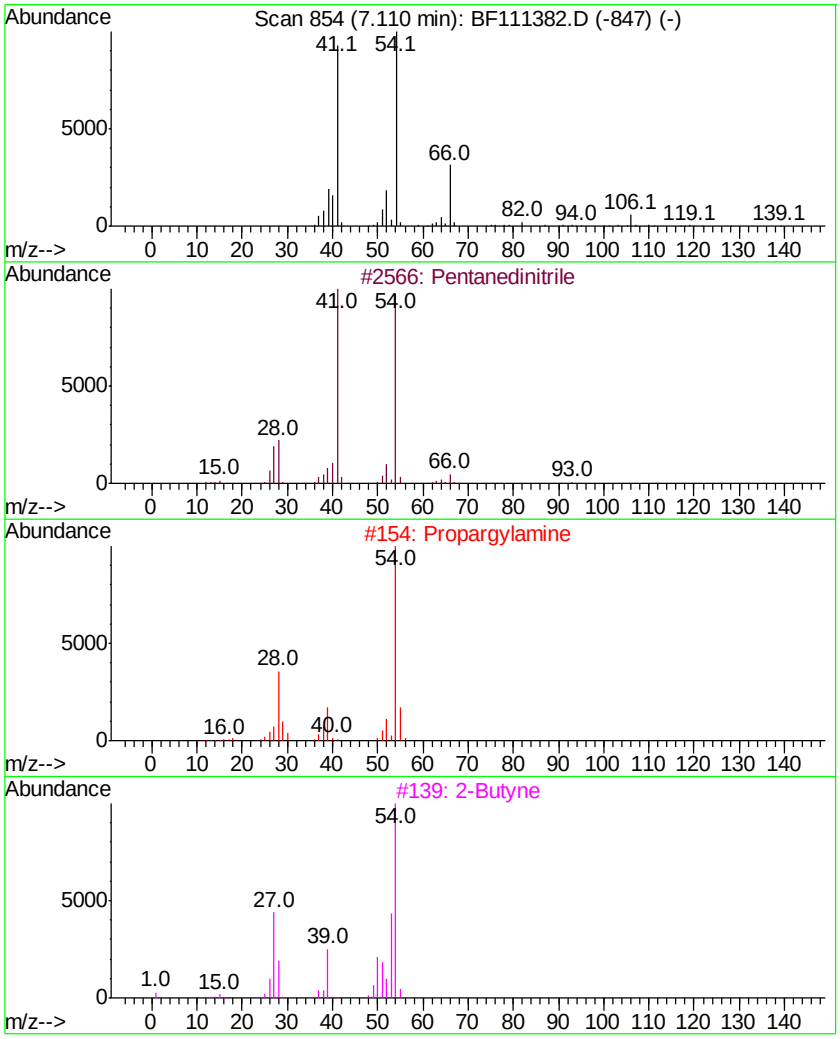
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

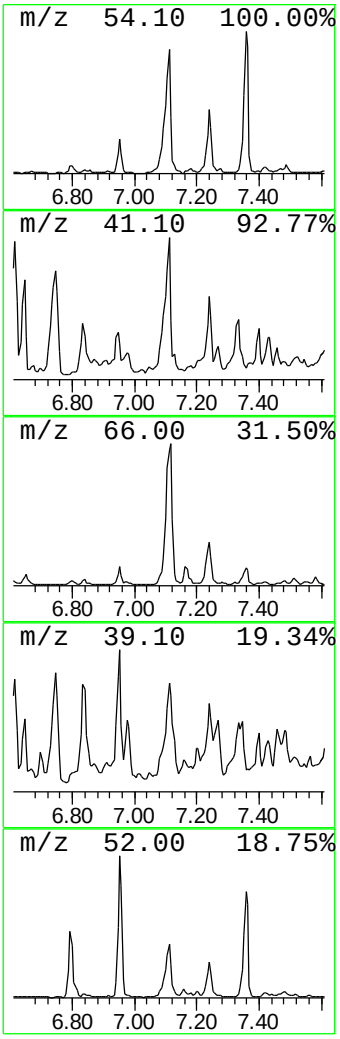
****

Peak Number 6 Pentanedinitrile Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	32.01 ng	2550120	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanedinitrile	94	C5H6N2	000544-13-8	64
2	Propargylamine	55	C3H5N	002450-71-7	38
3	2-Butyne	54	C4H6	000503-17-3	9
4	1,2-Butadiene	54	C4H6	000590-19-2	9
5	1-Propene, 3-azido-	83	C3H5N3	000821-13-6	9





Library Search Compound Report

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Data File : BF111382.D
Acq On : 13 Dec 2018 20:58
Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

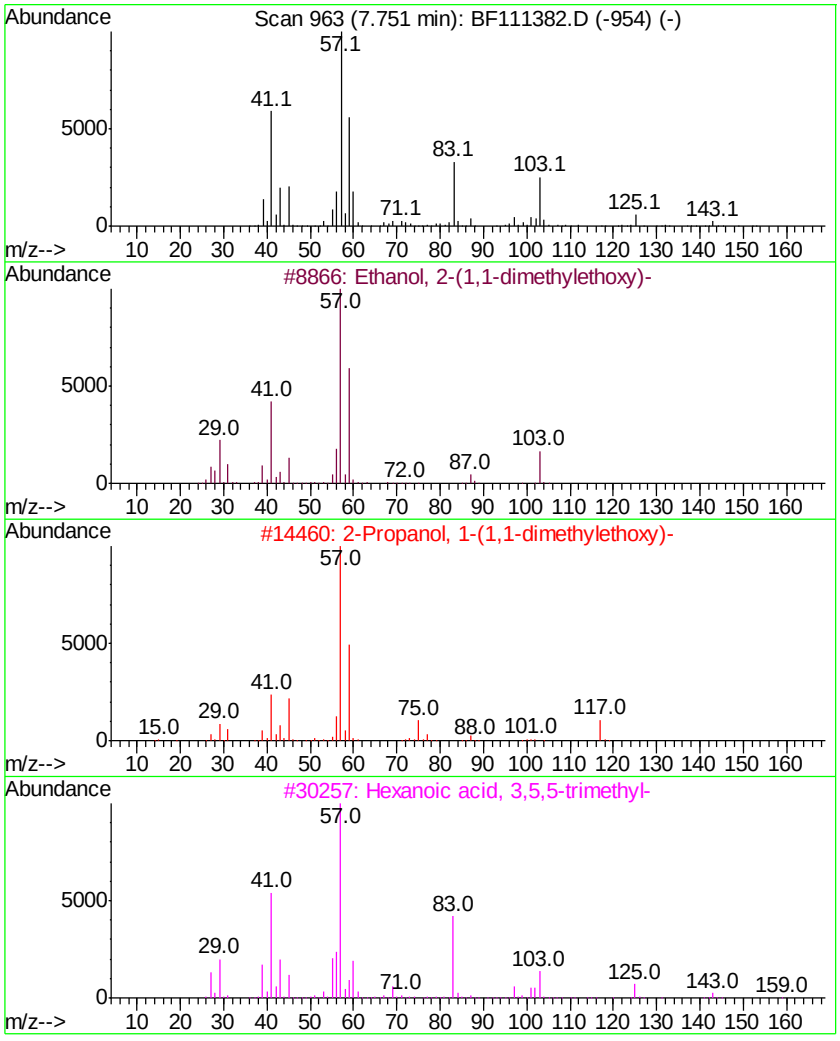
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

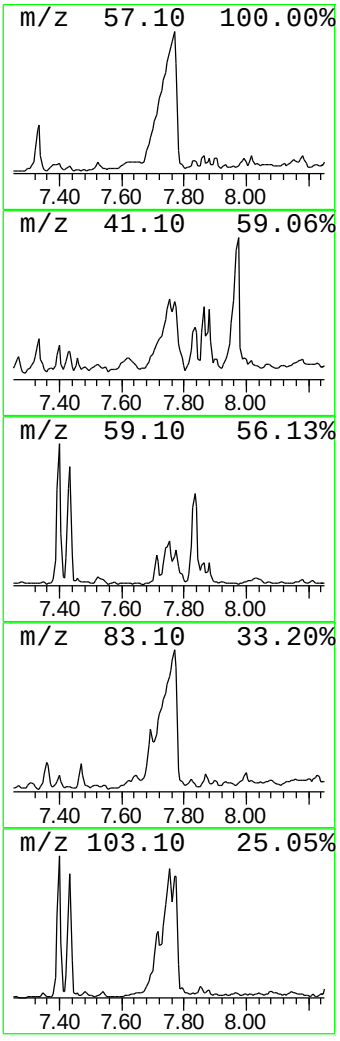
****

Peak Number 7 unknown7.75 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	40.34 ng	4742120	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(1,1-dimethylethoxy)-	118	C6H14O2	007580-85-0	47
2	2-Propanol, 1-(1,1-dimethylethoxy)-	132	C7H16O2	057018-52-7	43
3	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	43
4	2-Propanol, 1-(2-butoxy-1-methyl...	190	C10H22O3	029911-28-2	40
5	Ethyl 2,5,8,11-tetraoxatridecan-...	250	C11H22O6	1000366-77-9	37





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Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

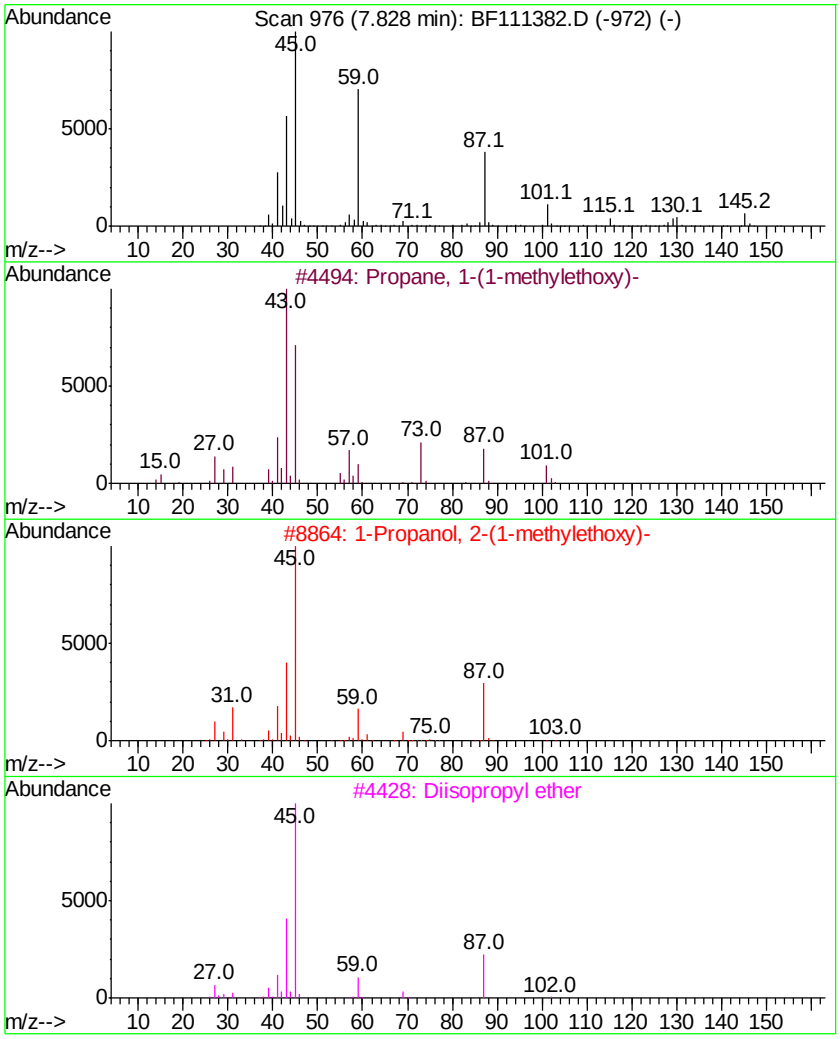
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

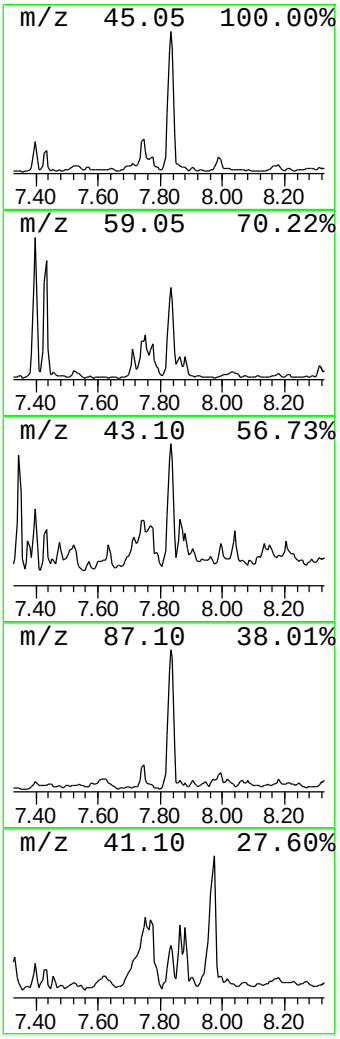
****

Peak Number 8 Propane, 1-(1-methylethoxy)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	34.11 ng	4009460	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	59
2	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	45
3	Diisopropyl ether	102	C6H14O	000108-20-3	43
4	Ethene, (2-methoxyethoxy)-	102	C5H10O2	001663-35-0	42
5	1-Propanol, 3-[3-(1-methylethoxy...	176	C9H20O3	054518-03-5	42





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Sample : J6305-02
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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

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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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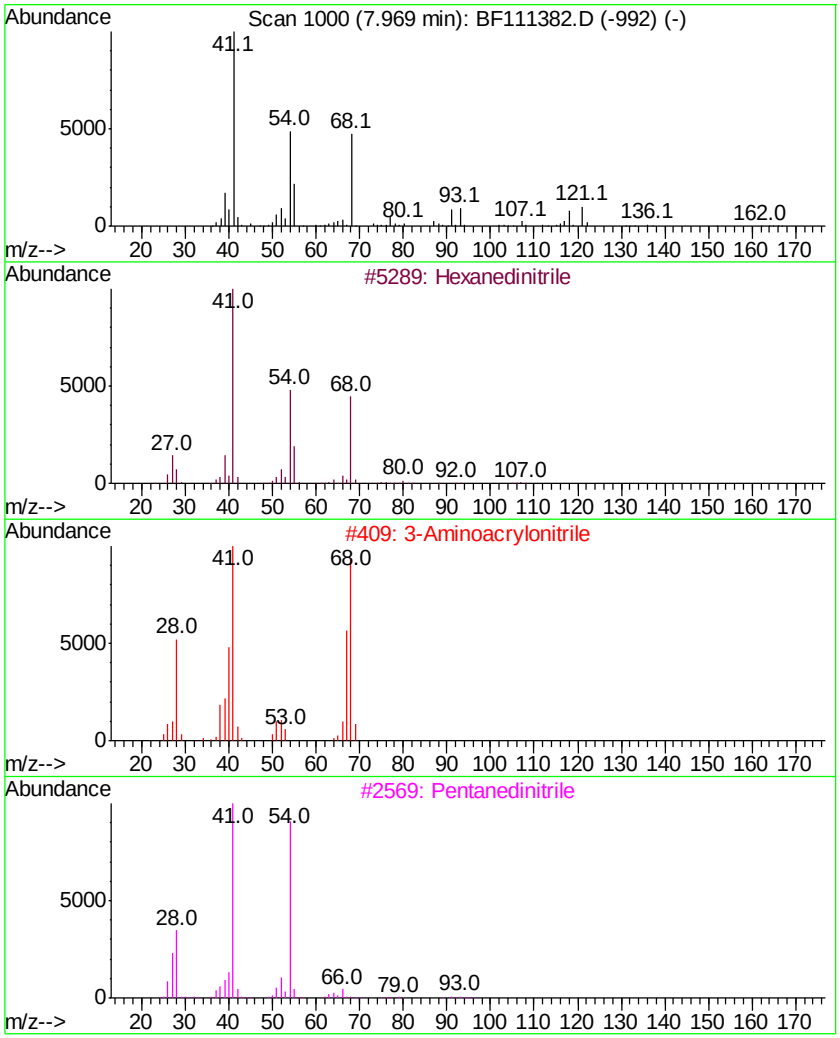
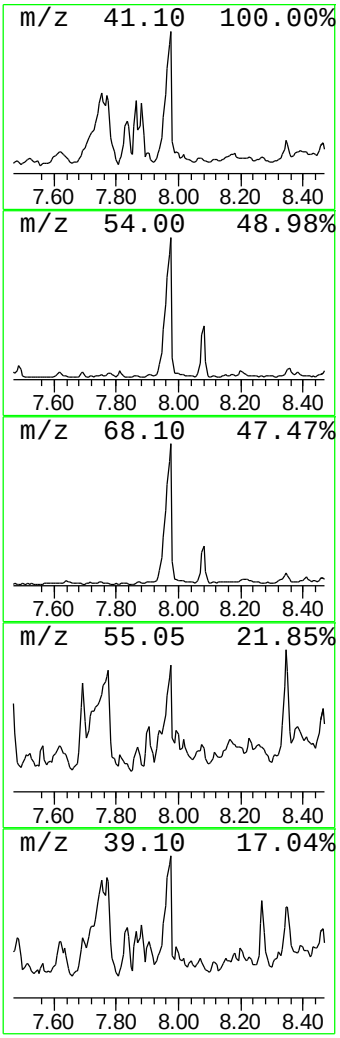
Peak Number 9 Hexanedinitrile Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	28.53 ng	3353790	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanedinitrile	108	C6H8N2	000111-69-3	64
2	3-Aminoacrylonitrile	68	C3H4N2	1000196-61-6	27
3	Pentanedinitrile	94	C5H6N2	000544-13-8	27
4	Cyclopropylacetonitrile	81	C5H7N	006542-60-5	23
5	3-Methyl-1-nitrobut-2-ene	115	C5H9NO2	001809-65-0	23





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Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

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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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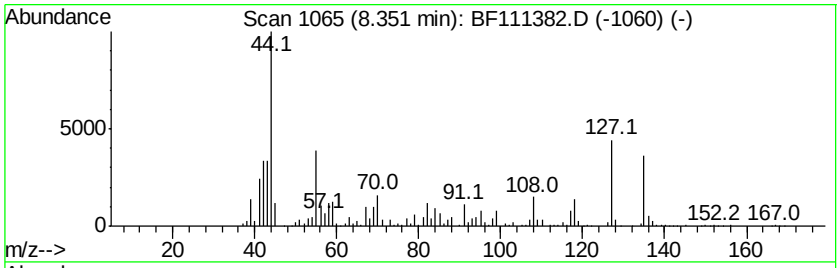
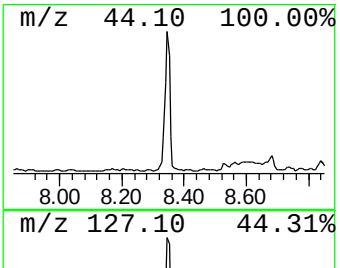
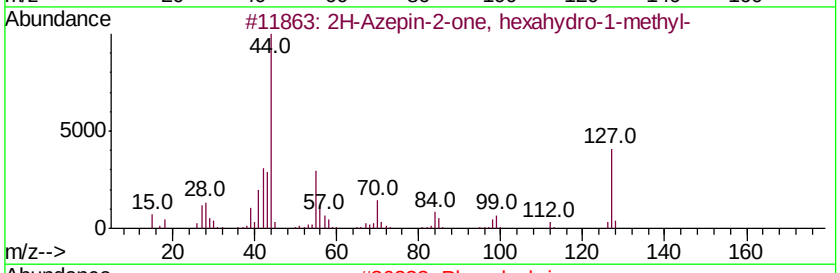
Peak Number 10 2H-Azepin-2-one, hexahydro-... Concentration Rank 20

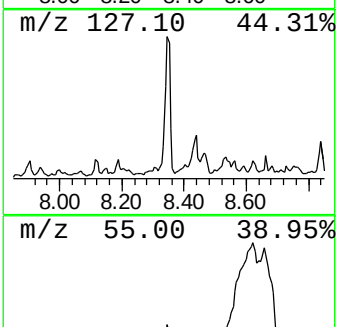
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	26.01 ng	3057910	Naphthalene-d8	8.08

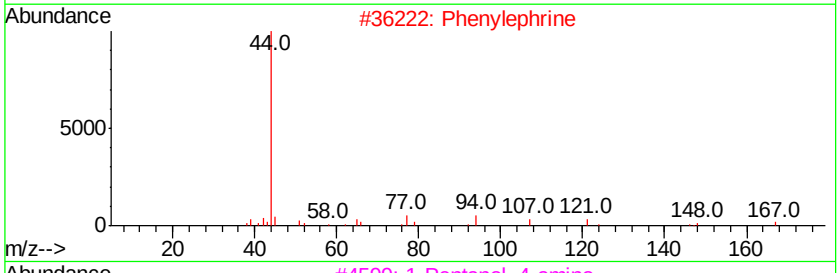
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Azepin-2-one, hexahydro-1-met...	127	C7H13NO	002556-73-2	70
2	Phenylephrine	167	C9H13NO2	000059-42-7	27
3	1-Pentanol, 4-amino-	103	C5H13NO	000927-55-9	25
4	8-Azabicyclo[4.3.1]decan-10-one,...	167	C10H17NO	004146-36-5	25
5	Methanesulfonamide, N,N-dimethyl-	123	C3H9NO2S	000918-05-8	23

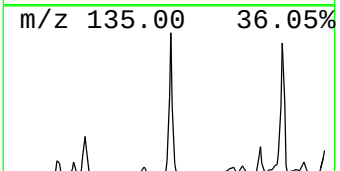


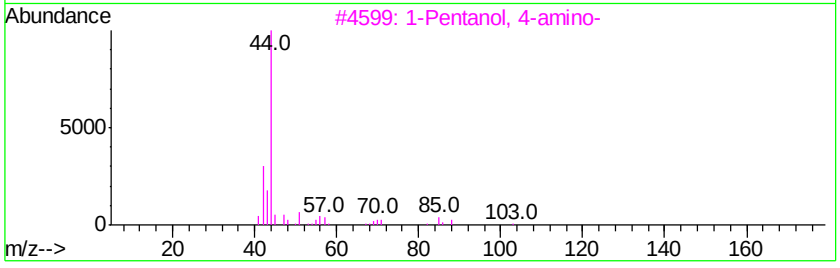












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Data File : BF111382.D
Acq On : 13 Dec 2018 20:58
Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

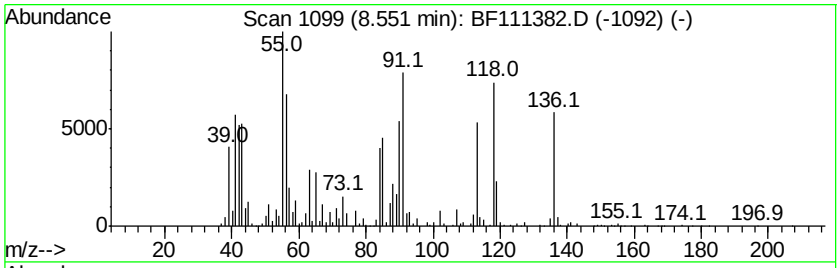
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

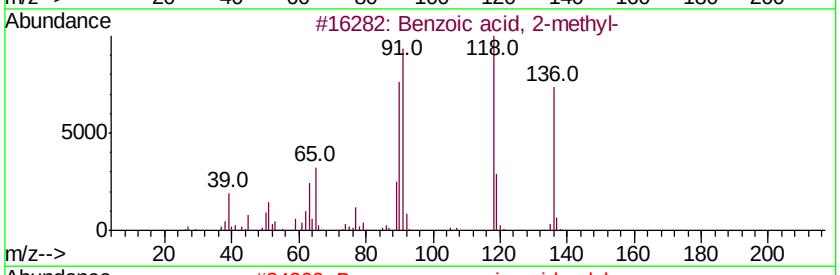
****

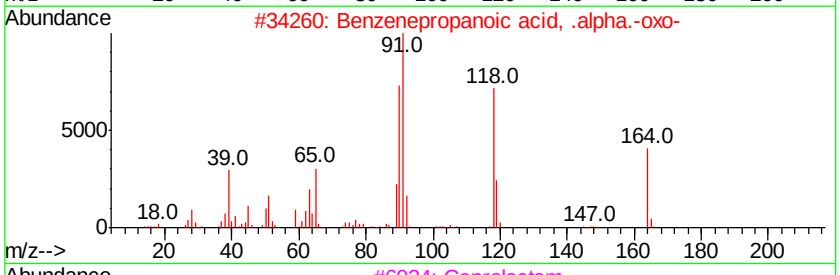
Peak Number 11 Benzoic acid, 2-methyl- Concentration Rank 4

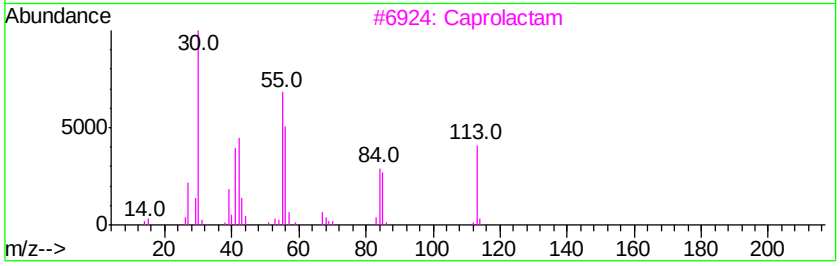
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	51.86 ng	6096040	Naphthalene-d8	8.08

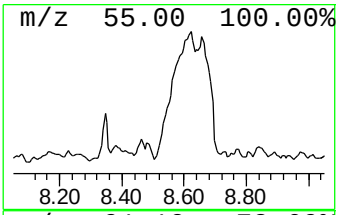
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2-methyl-	136	C8H8O2	000118-90-1	95
2	Benzenepropanoic acid, .alpha.-oxo-	164	C9H8O3	000156-06-9	35
3	Caprolactam	113	C6H11NO	000105-60-2	25
4	2-Propenoic acid, 3-(2-hydroxyph...	164	C9H8O3	000583-17-5	22
5	Benzofuran	118	C8H6O	000271-89-6	22

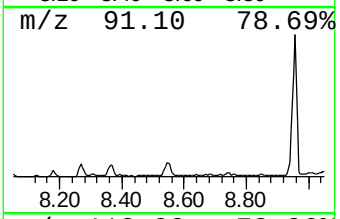


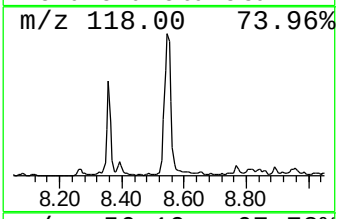


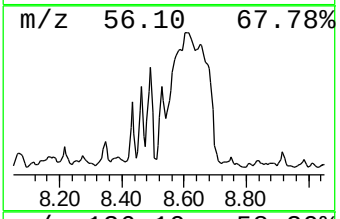


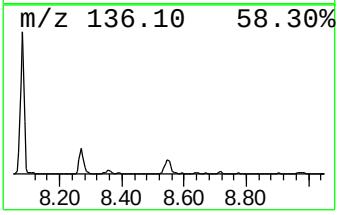












Library Search Compound Report

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Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

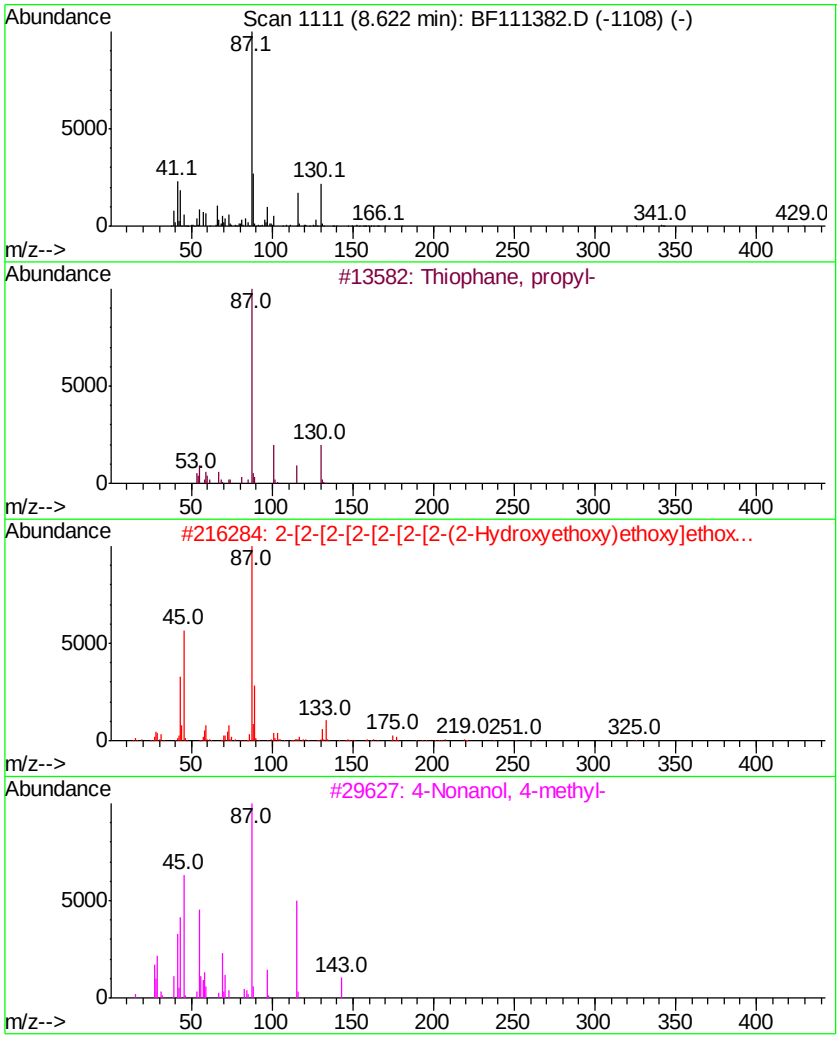
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

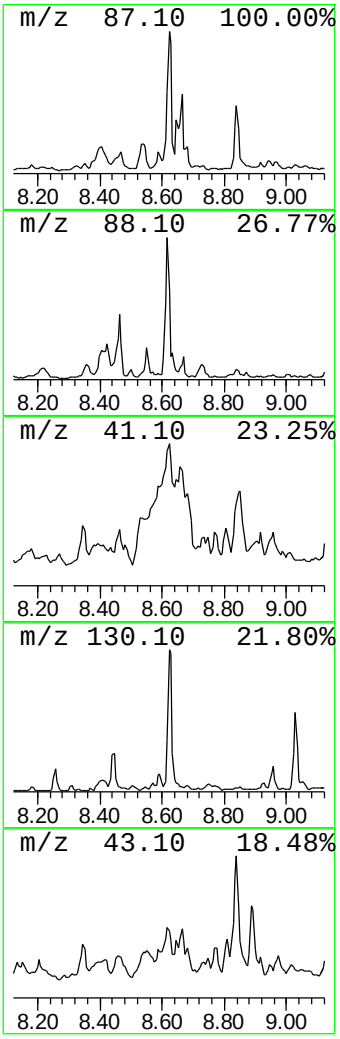
****

Peak Number 12 Thiophane, propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	40.77 ng	4792930	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophane, propyl-	130	C7H14S	001551-34-4	50
2	2-[2-[2-[2-[2-[2-(2-Hydroxyet...	412	C18H36O10	1000351-92-6	47
3	4-Nonanol, 4-methyl-	158	C10H22O	023418-38-4	47
4	5-(Ethylaminocarbonyl-sulfamoyl)...	290	C8H14N6O4S	1000301-46-1	35
5	Tetraethylene glycol, diacetate	278	C12H22O7	022790-12-1	32





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Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

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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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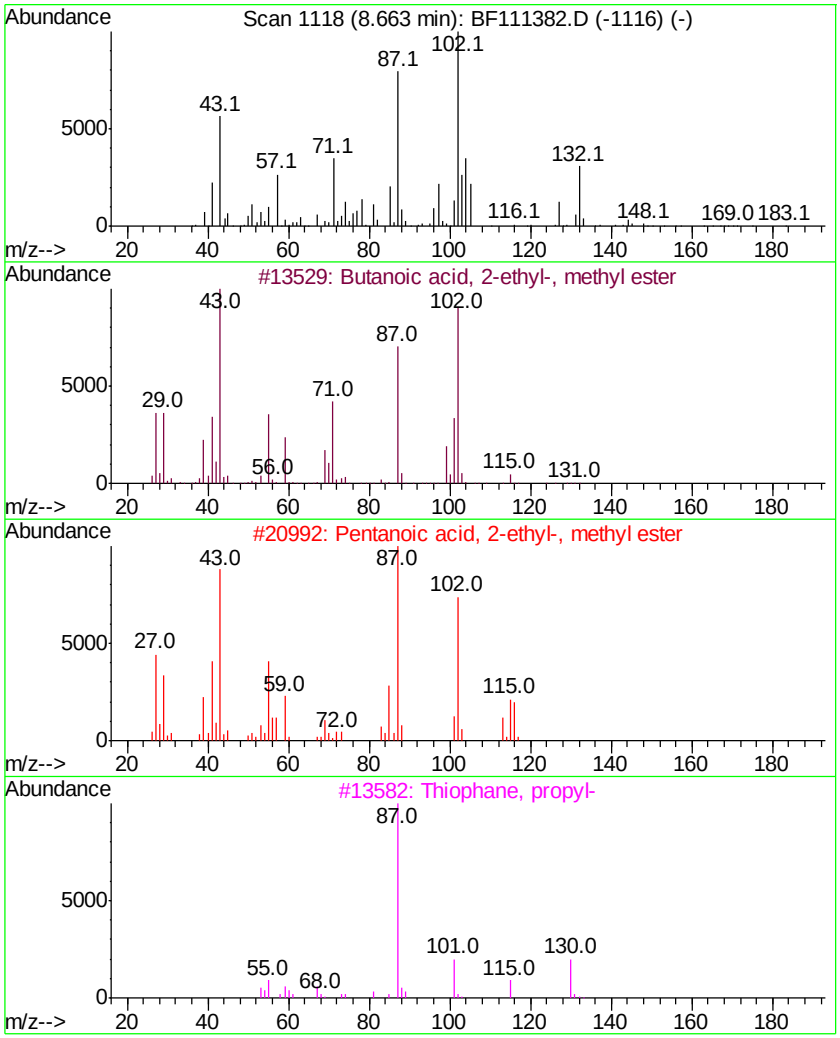
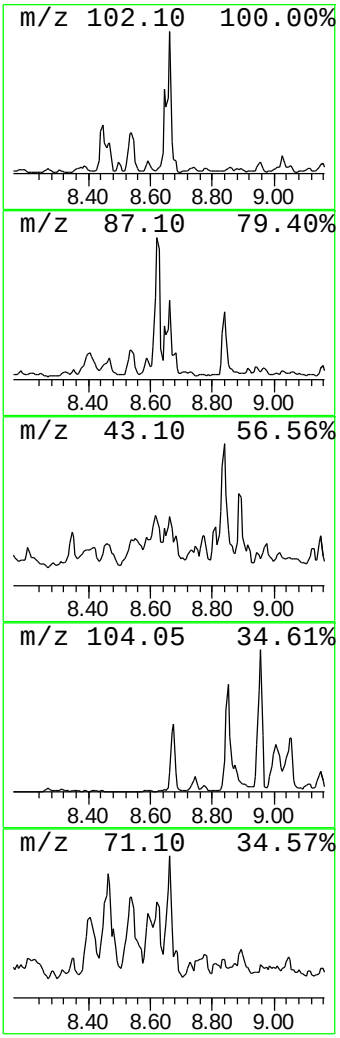
Peak Number 13 unknown8.66 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.66	50.44 ng	5929410	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-ethyl-, methyl ...	130	C7H14O2	000816-11-5	37
2	Pentanoic acid, 2-ethyl-, methyl...	144	C8H16O2	000816-16-0	23
3	Thiophane, propyl-	130	C7H14S	001551-34-4	14
4	2-Decenoic acid, methyl ester	184	C11H20O2	002482-39-5	14
5	2-[2-[2-(2-Methoxyethoxy)ethoxy]...	250	C11H22O6	1000351-91-4	12





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

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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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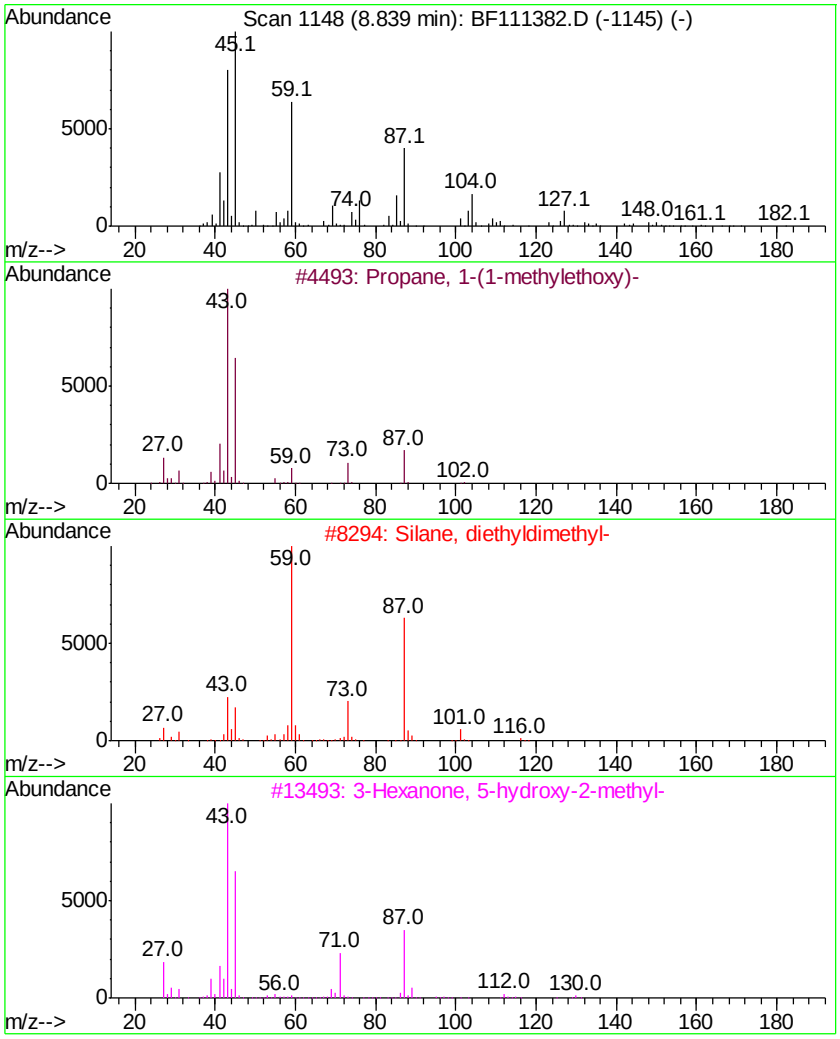
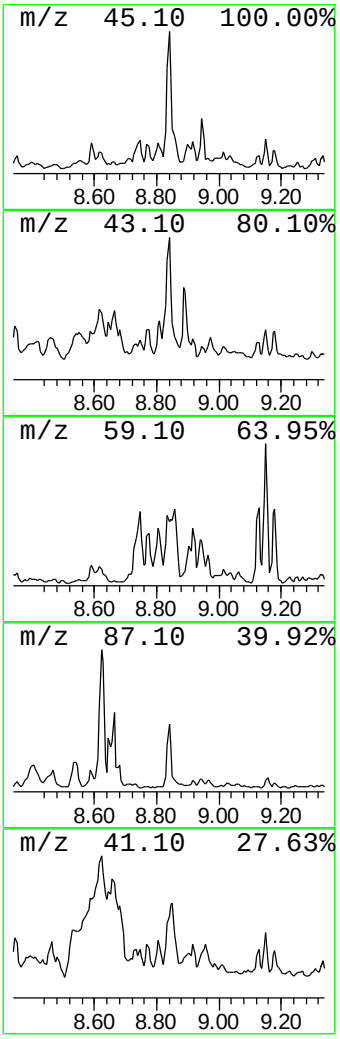
Peak Number 14 unknown8.84 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	34.51 ng	4056900	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	47
2	Silane, diethyldimethyl-	116	C6H16Si	000756-81-0	45
3	3-Hexanone, 5-hydroxy-2-methyl-	130	C7H14O2	059357-07-2	37
4	Propane, 1,1'-[ethylidenebis(oxy...	146	C8H18O2	000105-82-8	37
5	Butanoic acid, 4-methoxy-, methy...	132	C6H12O3	029006-01-7	37





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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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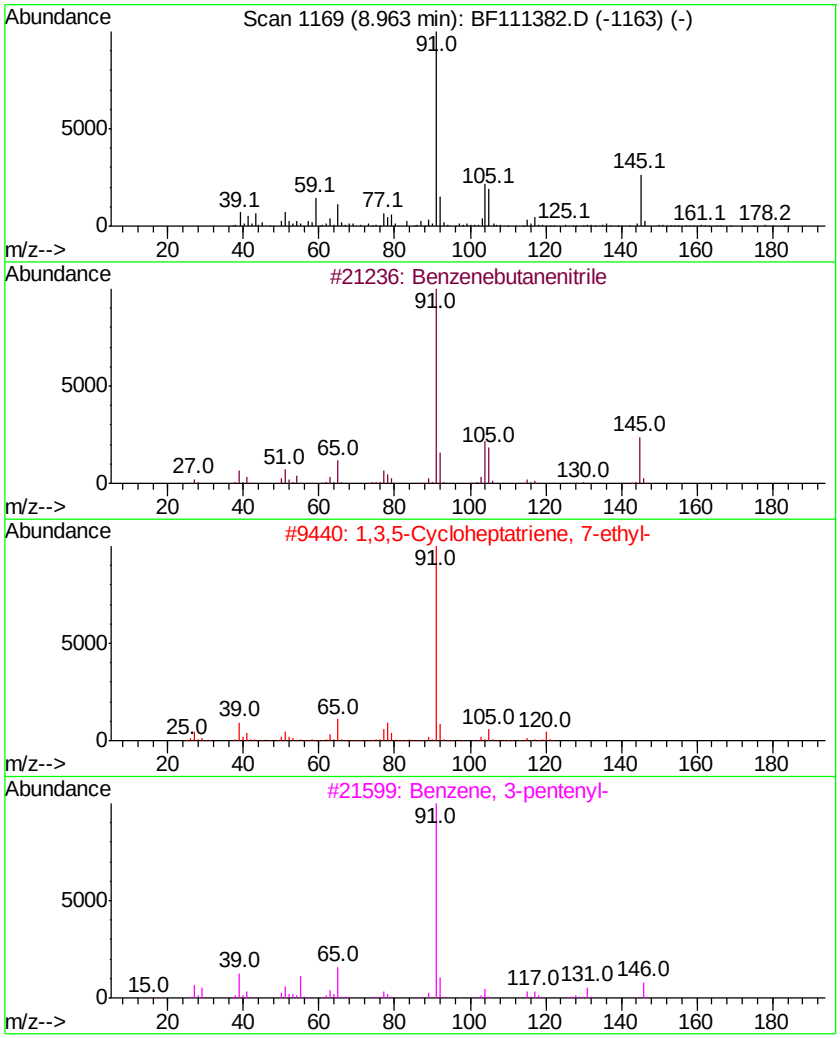
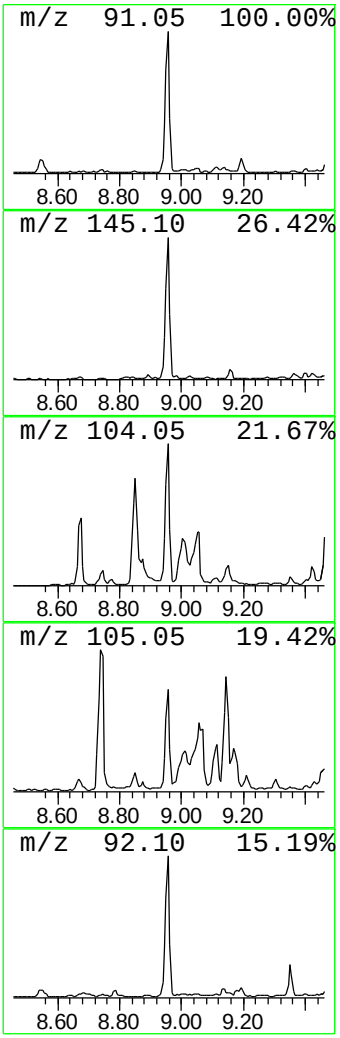
Peak Number 15 Benzenebutanenitrile Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	41.51 ng	5432760	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenebutanenitrile	145	C10H11N	002046-18-6	97
2	1,3,5-Cycloheptatriene, 7-ethyl-	120	C9H12	017634-51-4	38
3	Benzene, 3-pentenyl-	146	C11H14	001745-16-0	38
4	N-(Benzyloxycarbonyloxy)succinimide	251	C12H13NO5	013139-17-8	35
5	2-Benzyloxy-4-bromobutane-1,3-diol	274	C11H15BrO3	1000191-12-1	32





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Data File : BF111382.D
Acq On : 13 Dec 2018 20:58
Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

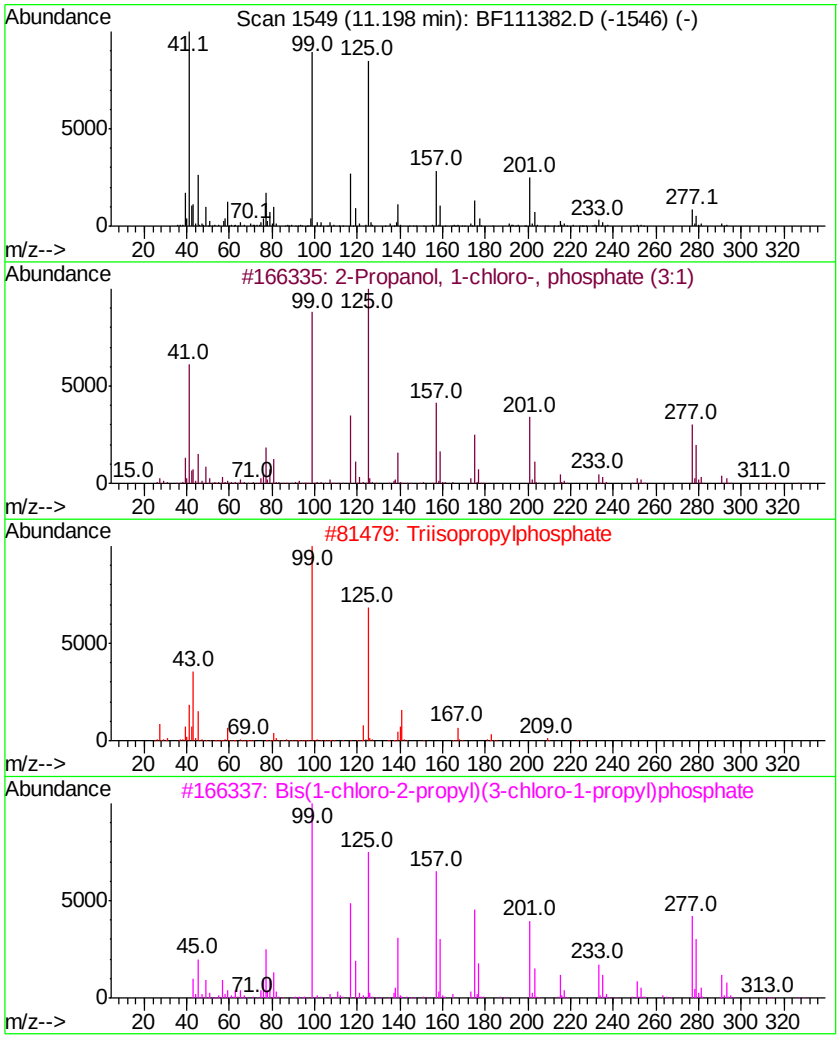
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

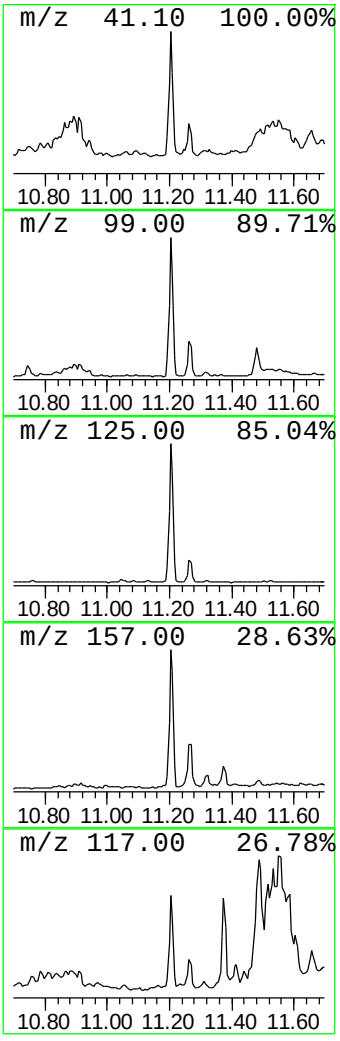
****

Peak Number 16 2-Propanol, 1-chloro-, phos... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	26.88 ng	2820750	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	81
2	Triisopropylphosphate	224	C9H21O4P	000513-02-0	28
3	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	25
4	Tris(3-chloropropyl) phosphate	326	C9H18Cl3O4P	001067-98-7	23
5	Cholestan-3,22,26-triol	420	C27H48O3	1000252-39-8	12





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Acq On : 13 Dec 2018 20:58
Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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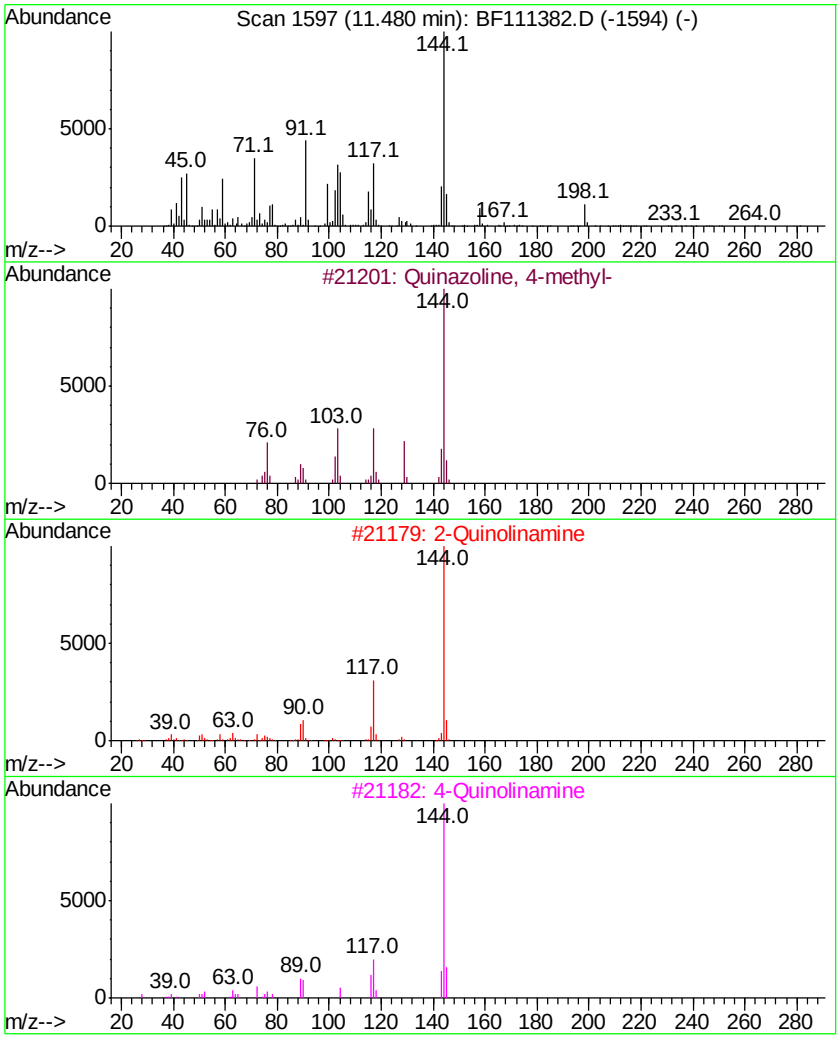
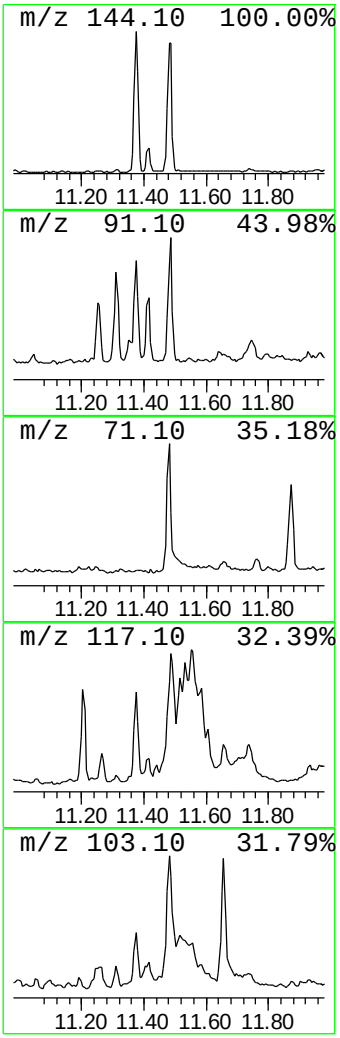
Peak Number 17 Quinazoline, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	33.43 ng	3508180	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinazoline, 4-methyl-	144	C9H8N2	000700-46-9	62
2	2-Quinolinamine	144	C9H8N2	000580-22-3	43
3	4-Quinolinamine	144	C9H8N2	000578-68-7	43
4	1,5-Naphthyridine, 4-methyl-	144	C9H8N2	007675-33-4	43
5	2,3,1-Benzodiazaborine, 1,2-dihy...	144	C8H9BN2	004885-27-2	38





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Data File : BF111382.D
Acq On : 13 Dec 2018 20:58
Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.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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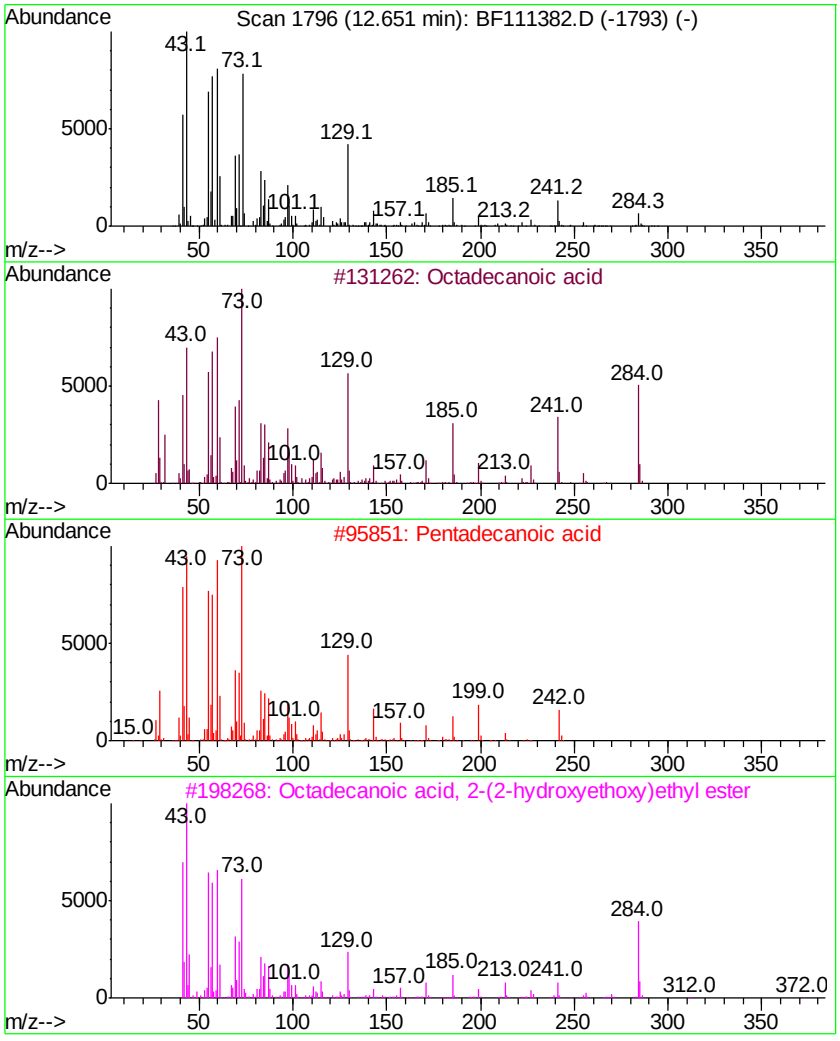
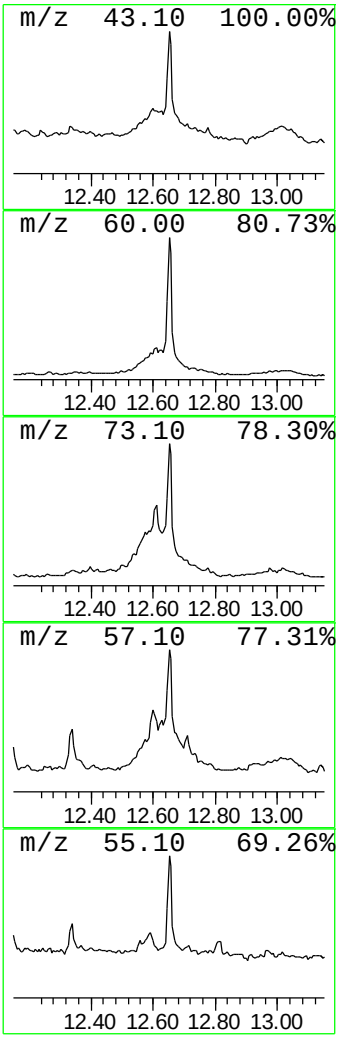
Peak Number 18 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	54.99 ng	3597530	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	78
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Heptanoic acid	130	C7H14O2	000111-14-8	38





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Data File : BF111382.D
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Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.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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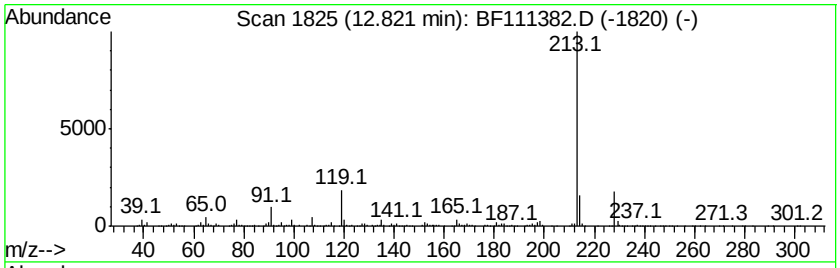
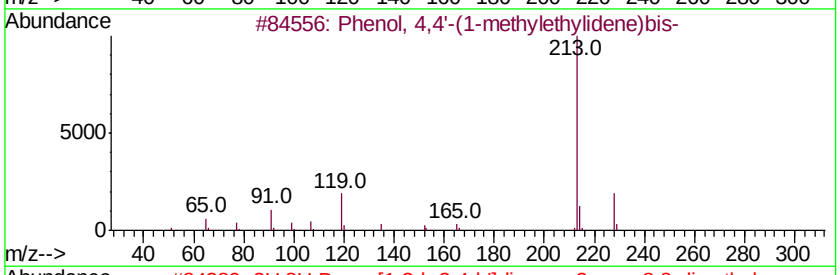
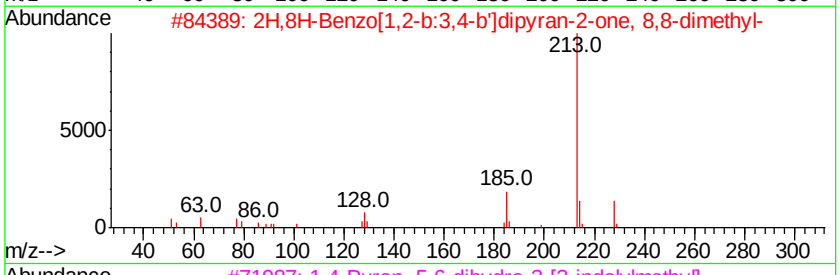
Peak Number 19 Phenol, 4,4'-(1-methylethyl... Concentration Rank 11

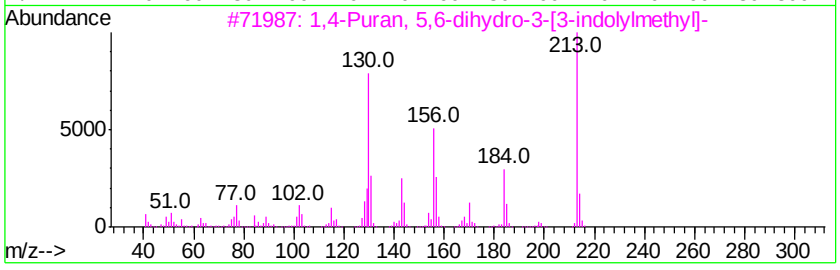
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	35.12 ng	2297560	Chrysene-d12	13.96

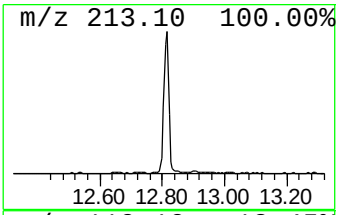
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	98
2	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	50
3	1,4-Puran, 5,6-dihydro-3-[3-indo...	213	C14H15NO	1000128-72-9	40
4	Naphthalene-2,6-dicarboxylic aci...	376	C24H24O4	1000189-60-8	40
5	As-Indacen-1(2H)-one, 3,6,7,8-te...	228	C16H20O	055591-18-9	38

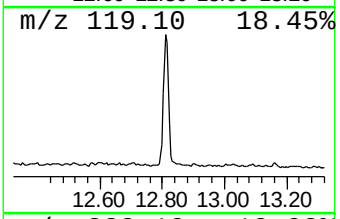


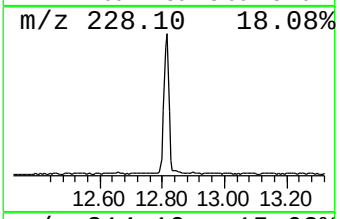


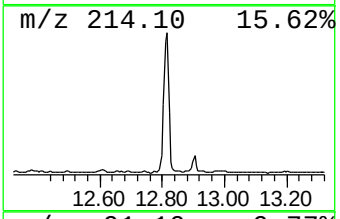


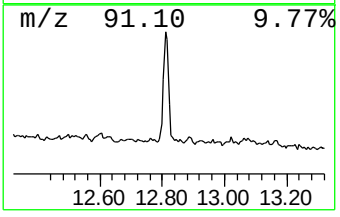












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111382.D
Acq On : 13 Dec 2018 20:58
Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

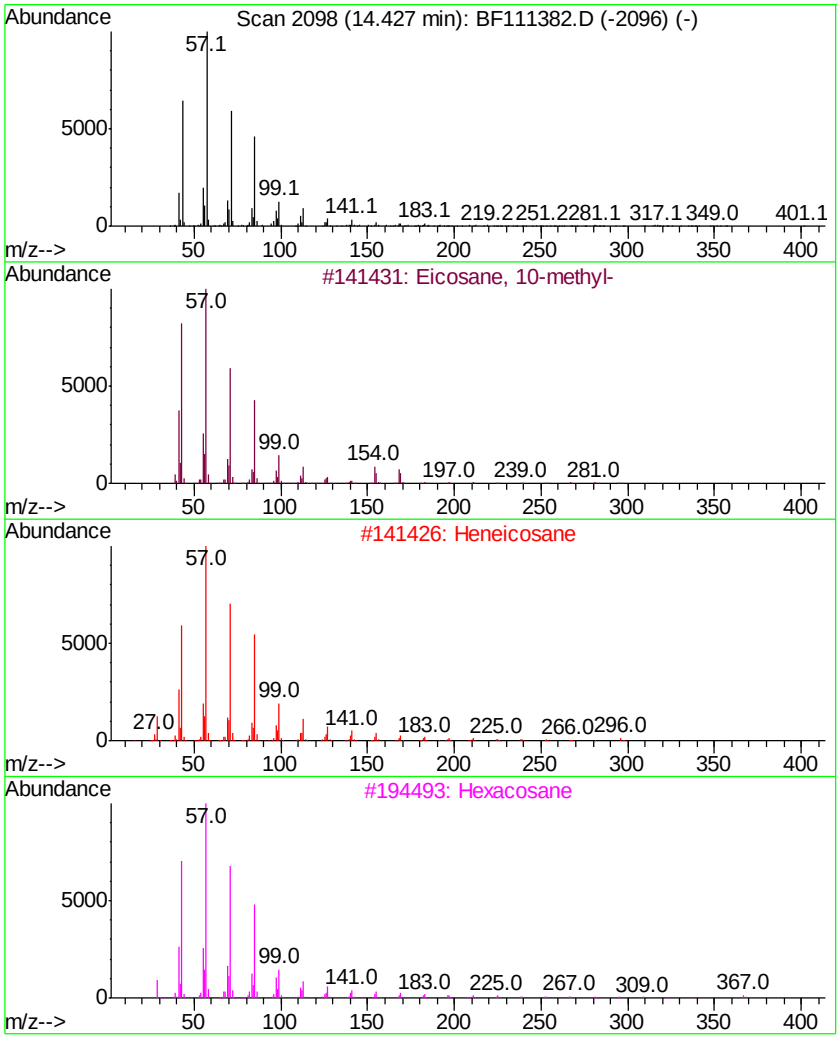
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

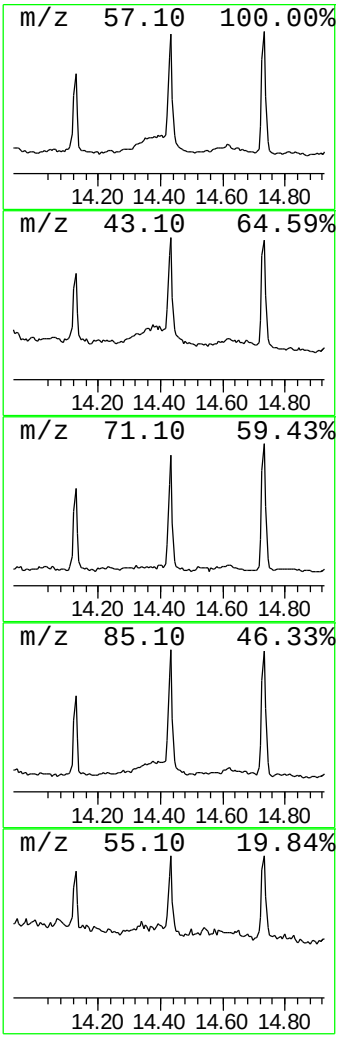
****

Peak Number 20 Eicosane, 10-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	30.35 ng	1985400	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	94
2	Heneicosane	296	C21H44	000629-94-7	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Hexadecane	226	C16H34	000544-76-3	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121318\
Data File : BF111382.D
Acq On : 13 Dec 2018 20:58
Operator : JU/SJ
Sample : J6305-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.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
2-Cyclopenten-1-o...	6.33	29.7	ng	2365490	1	6.79	1593350	20.0
unknown6.59	6.59	58.0	ng	4617050	1	6.79	1593350	20.0
2-Propanol, 1-(2-...	6.62	51.2	ng	4077000	1	6.79	1593350	20.0
Ethane, 1-ethoxy-...	6.65	40.4	ng	3222070	1	6.79	1593350	20.0
Pentanedinitrile	7.11	32.0	ng	2550120	1	6.79	1593350	20.0
unknown7.75	7.75	40.3	ng	4742120	2	8.08	2351140	20.0
Propane, 1-(1-met...	7.83	34.1	ng	4009460	2	8.08	2351140	20.0
Hexanedinitrile	7.97	28.5	ng	3353790	2	8.08	2351140	20.0
2H-Azepin-2-one, ...	8.35	26.0	ng	3057910	2	8.08	2351140	20.0
Benzoic acid, 2-m...	8.55	51.9	ng	6096040	2	8.08	2351140	20.0
Thiophane, propyl-	8.62	40.8	ng	4792930	2	8.08	2351140	20.0
unknown8.66	8.66	50.4	ng	5929410	2	8.08	2351140	20.0
unknown8.84	8.84	34.5	ng	4056900	2	8.08	2351140	20.0
Benzenebutanenitrile	8.96	41.5	ng	5432760	3	9.83	2617730	20.0
2-Propanol, 1-chl...	11.20	26.9	ng	2820750	4	11.32	2098760	20.0
Quinazoline, 4-me...	11.48	33.4	ng	3508180	4	11.32	2098760	20.0
Octadecanoic acid	12.65	55.0	ng	3597530	5	13.96	1308470	20.0
Phenol, 4,4'-(1-m...	12.82	35.1	ng	2297560	5	13.96	1308470	20.0
Eicosane, 10-methyl-	14.43	30.4	ng	1985400	5	13.96	1308470	20.0