LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118622.D
Acq On : 21 Jan 2020 7:07
Operator : CG/JU
Sample : L1148-11
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-32-(3-5)

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-BF012020.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	2.187	12	17	24	rVB	1519211	2120808	10.43%	0.441%
2	3.481	226	237	244	rBV2	592266	1620879	7.97%	0.337%
3	3.634	259	263	271	rVB	867670	1284666	6.32%	0.267%
4	5.110	505	514	519	rBV	1706323	2450224	12.05%	0.509%
5	5.510	574	582	586	rBV	7145748	10425369	51.29%	2.168%
6	5.734	614	620	636	rBV	10956850	18003291	88.57%	3.743%
7	6.510	743	752	761	rVV2	8547068	13116035	64.53%	2.727%
8	6.604	764	768	772	rVB	823454	947864	4.66%	0.197%
9	6.657	772	777	780	rVB	9950211	10308128	50.71%	2.143%
10	6.722	782	788	793	rBV	6569470	9149884	45.01%	1.902%
11	6.763	793	795	803	rVB	3825196	3929212	19.33%	0.817%
12	6.881	812	815	819	rBV	3130487	2901711	14.28%	0.603%
13	7.040	838	842	846	rBV	8259421	8250653	40.59%	1.716%
14	7.151	856	861	868	rBV	7299274	7908056	38.90%	1.644%
15	7.369	892	898	900	rBV3	540126	1019064	5.01%	0.212%
16	7.439	904	910	913	rBV2	6413653	7768604	38.22%	1.615%
17	7.498	916	920	925	rBV	1284977	1810896	8.91%	0.377%
18	7.545	925	928	933	rVB	1164324	1119252	5.51%	0.233%
19	7.645	942	945	950	rBV	1577665	1745283	8.59%	0.363%
20	7.751	955	963	966	rBV	14412679	19581707	96.34%	4.072%
21	7.922	988	992	995	rBV	2744065	3331925	16.39%	0.693%
22	7.969	998	1000	1002	rVV	2266048	1707810	8.40%	0.355%
23	8.169	1030	1034	1035	rVV	3647426	3806731	18.73%	0.792%
24	8.187	1035	1037	1040	rVV	6162208	5784095	28.46%	1.203%
25	8.234	1043	1045	1048	rVB2	1294977	1169530	5.75%	0.243%
26	8.386	1066	1071	1074	rBV	7708361	7092601	34.89%	1.475%
27	8.445	1077	1081	1084	rBV	9431658	8480076	41.72%	1.763%
28	8.639	1109	1114	1116	rVV3	1172566	1333935	6.56%	0.277%
29	8.681	1116	1121	1126	rVV5	879083	1492280	7.34%	0.310%
30	8.875	1149	1154	1158	rVV3	5823066	7224425	35.54%	1.502%
31	8.939	1160	1165	1168	rBV	1408111	1379130	6.78%	0.287%
32	8.981	1168	1172	1174	rVV	4074450	3400312	16.73%	0.707%
33	9.069	1186	1187	1194	rVB3	1201222	1222552	6.01%	0.254%
34	9.163	1200	1203	1207	rBV	1621448	1493095	7.35%	0.310%

LSC Area Percent Report

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Acq On : 21 Jan 2020 7:07
Operator : CG/JU
Sample : L1148-11
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-32-(3-5)

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-BF012020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.245	1213	1217	1222	rVB	11540503	11495432	56.55%	2.390%
36	9.328	1227	1231	1233	rBV2	1139529	1493660	7.35%	0.311%
37	9.369	1236	1238	1241	rBV	2011057	1860768	9.15%	0.387%
38	9.451	1248	1252	1255	rVB3	943501	1272341	6.26%	0.265%
39	9.522	1256	1264	1266	rBV4	2236184	4203027	20.68%	0.874%
40	9.592	1271	1276	1281	rBV2	5994224	8437527	41.51%	1.754%
41	9.645	1281	1285	1288	rVB4	2371591	2958848	14.56%	0.615%
42	9.698	1291	1294	1296	rBV	1088278	1029479	5.06%	0.214%
43	9.786	1306	1309	1313	rBV	5797208	5513186	27.12%	1.146%
44	9.857	1319	1321	1324	rVB	2579764	1994672	9.81%	0.415%
45	9.898	1324	1328	1330	rBV3	1007699	1352876	6.66%	0.281%
46	9.922	1330	1332	1335	rVB	3853978	3186062	15.67%	0.662%
47	9.957	1335	1338	1340	rBV	1965974	1683711	8.28%	0.350%
48	10.128	1363	1367	1369	rVB	2278960	2216505	10.90%	0.461%
49	10.163	1369	1373	1375	rBV	874765	1018251	5.01%	0.212%
50	10.263	1388	1390	1393	rVB2	1774629	1625651	8.00%	0.338%
51	10.363	1403	1407	1410	rVV	6113655	5372193	26.43%	1.117%
52	10.422	1414	1417	1419	rVV4	932842	982374	4.83%	0.204%
53	10.469	1422	1425	1431	rVB	4337261	4811401	23.67%	1.000%
54	10.586	1438	1445	1447	rBV	4381339	5637398	27.73%	1.172%
55	10.633	1450	1453	1456	rVB3	1559552	1493825	7.35%	0.311%
56	10.669	1456	1459	1462	rBV2	1303270	1435007	7.06%	0.298%
57	10.716	1462	1467	1470	rBV2	6177691	7304397	35.94%	1.519%
58	10.775	1474	1477	1482	rBV	3031018	3114365	15.32%	0.648%
59	10.839	1484	1488	1494	rBV2	10860244	20326670	100.00%	4.226%
60	11.033	1518	1521	1522	rBV2	1487317	1586646	7.81%	0.330%
61	11.098	1530	1532	1535	rBV2	1627674	1571224	7.73%	0.327%
62	11.128	1535	1537	1540	rBV2	2539083	2942415	14.48%	0.612%
63	11.298	1562	1566	1568	rBV	8738295	11989458	58.98%	2.493%
64	11.327	1568	1571	1573	rVV	7790222	9135566	44.94%	1.900%
65	11.351	1573	1575	1578	rVB	3083708	2566512	12.63%	0.534%
66	11.445	1588	1591	1594	rVB	6324130	6566948	32.31%	1.365%
67	11.492	1597	1599	1603	rVB	3287965	3250322	15.99%	0.676%
68	11.539	1604	1607	1610	rBV	4274314	4918812	24.20%	1.023%
69	11.604	1616	1618	1621	rVB2	2656314	2189360	10.77%	0.455%
70	11.639	1621	1624	1626	rBV2	2277504	2415198	11.88%	0.502%
71	11.727	1635	1639	1642	rBV	6645710	9396372	46.23%	1.954%

LSC Area Percent Report

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Acq On : 21 Jan 2020 7:07
Operator : CG/JU
Sample : L1148-11
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-32-(3-5)

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.957	1676	1678	1681	rVB	4410198	3960798	19.49%	0.824%
73	12.139	1706	1709	1712	rBV	5355679	6795535	33.43%	1.413%
74	12.527	1772	1775	1778	rVB	3923133	4391049	21.60%	0.913%
75	12.669	1795	1799	1803	rVB	5046771	6425046	31.61%	1.336%
76	12.892	1834	1837	1841	rVB	6859628	8602320	42.32%	1.789%
77	13.016	1855	1858	1861	rVB	4627067	4439890	21.84%	0.923%
78	13.239	1894	1896	1899	rBV2	2495720	2564727	12.62%	0.533%
79	13.427	1926	1928	1931	rVB2	2172765	1904275	9.37%	0.396%
80	13.516	1940	1943	1946	rVB	3974214	3758499	18.49%	0.781%
81	13.816	1991	1994	1997	rBV	2782159	3176386	15.63%	0.660%
82	13.845	1997	1999	2001	rVV	2014349	1809742	8.90%	0.376%
83	13.886	2001	2006	2015	rVB4	6727028	15050785	74.04%	3.129%
84	14.063	2031	2036	2038	rBV2	7641166	10678868	52.54%	2.220%
85	14.098	2039	2042	2049	rVB	7731274	9822926	48.33%	2.042%
86	14.451	2100	2102	2105	rVB	2585577	2098856	10.33%	0.436%
87	14.486	2105	2108	2110	rVB	1847217	1774883	8.73%	0.369%
88	14.574	2120	2123	2125	rBV	1962041	1839002	9.05%	0.382%
89	15.121	2210	2216	2218	rBV	6560678	11400839	56.09%	2.371%
90	15.168	2222	2224	2229	rVV3	1200508	1987486	9.78%	0.413%
91	15.221	2230	2233	2237	rVB	1653589	1796753	8.84%	0.374%
92	15.421	2262	2267	2273	rVB	4748866	6942642	34.16%	1.444%
93	15.492	2273	2279	2283	rVV	6085377	8908531	43.83%	1.852%
94	15.545	2284	2288	2290	rVV	1750781	2506737	12.33%	0.521%
95	15.574	2290	2293	2300	rVB2	2030282	3334214	16.40%	0.693%
96	16.262	2407	2410	2423	rVB5	857476	2371146	11.67%	0.493%
97	17.039	2534	2542	2549	rVB2	3024386	6670364	32.82%	1.387%
98	17.492	2611	2619	2628	rVB	2703195	6281768	30.90%	1.306%
99	17.633	2638	2643	2650	rVB5	1113222	2471749	12.16%	0.514%
100	17.715	2653	2657	2671	rVB	949897	2446995	12.04%	0.509%

Sum of corrected areas: 480941353

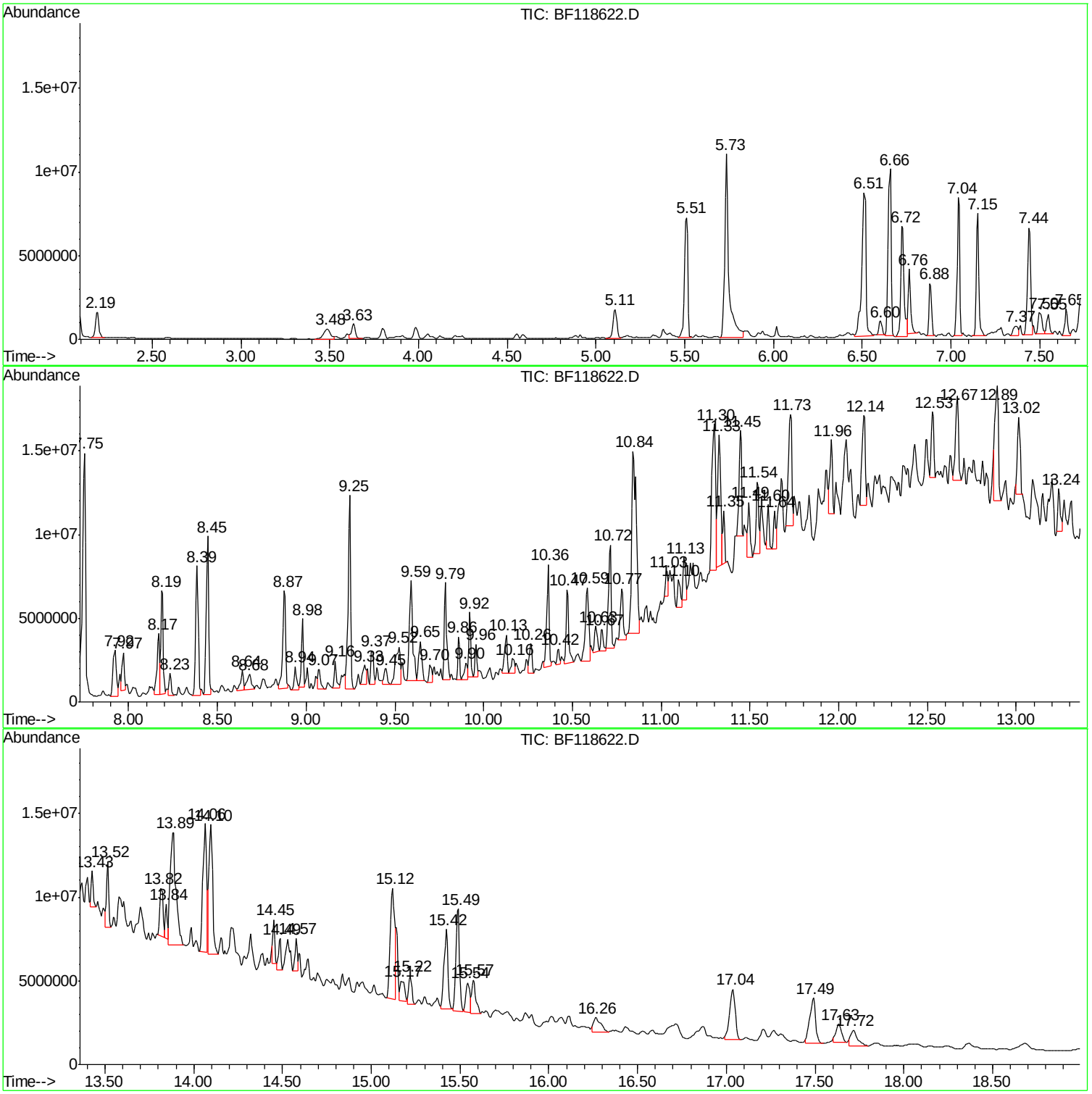
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118622.D
Acq On : 21 Jan 2020 7:07
Operator : CG/JU
Sample : L1148-11
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-32-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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\BF012020\
Data File : BF118622.D
Acq On : 21 Jan 2020 7:07
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Misc :
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Instrument : BNA_F
ClientSampleId : SB-32-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

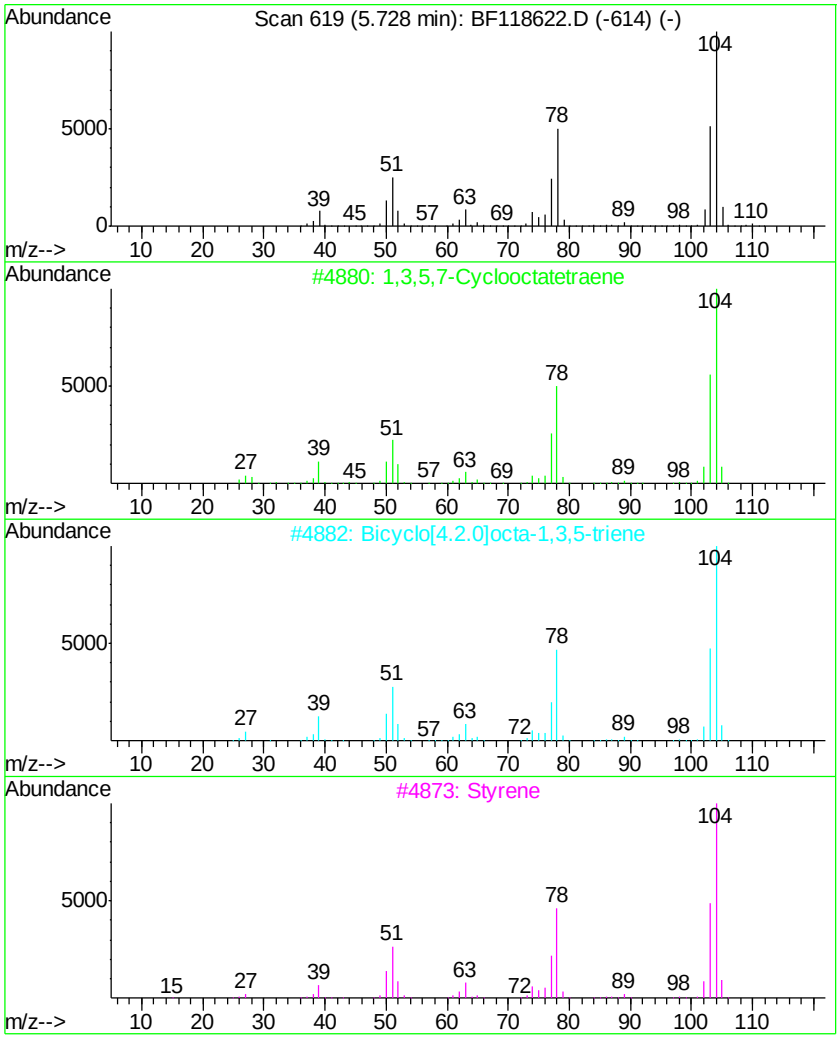
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

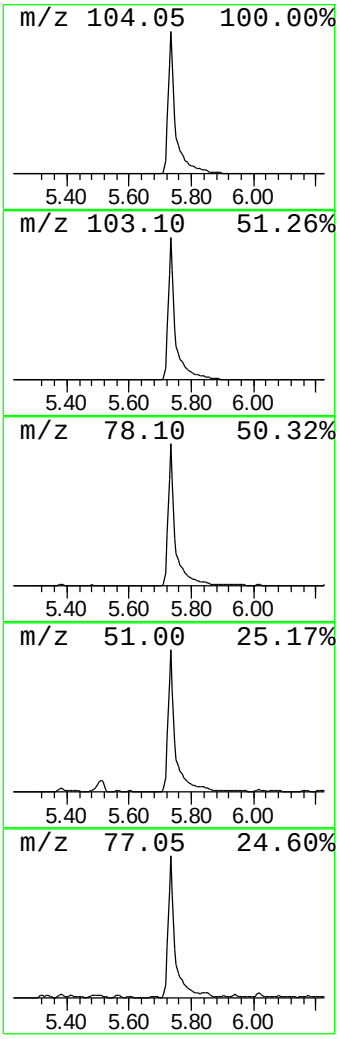
****

Peak Number 1 1,3,5,7-Cyclooctatetraene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	124.09 ng	18003300	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	97
2	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	96
3	Styrene	104	C8H8	000100-42-5	96
4	Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	72
5	1,3,7-Octatrien-5-yne	104	C8H8	016607-77-5	38





Library Search Compound Report

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Data File : BF118622.D
Acq On : 21 Jan 2020 7:07
Operator : CG/JU
Sample : L1148-11
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-32-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

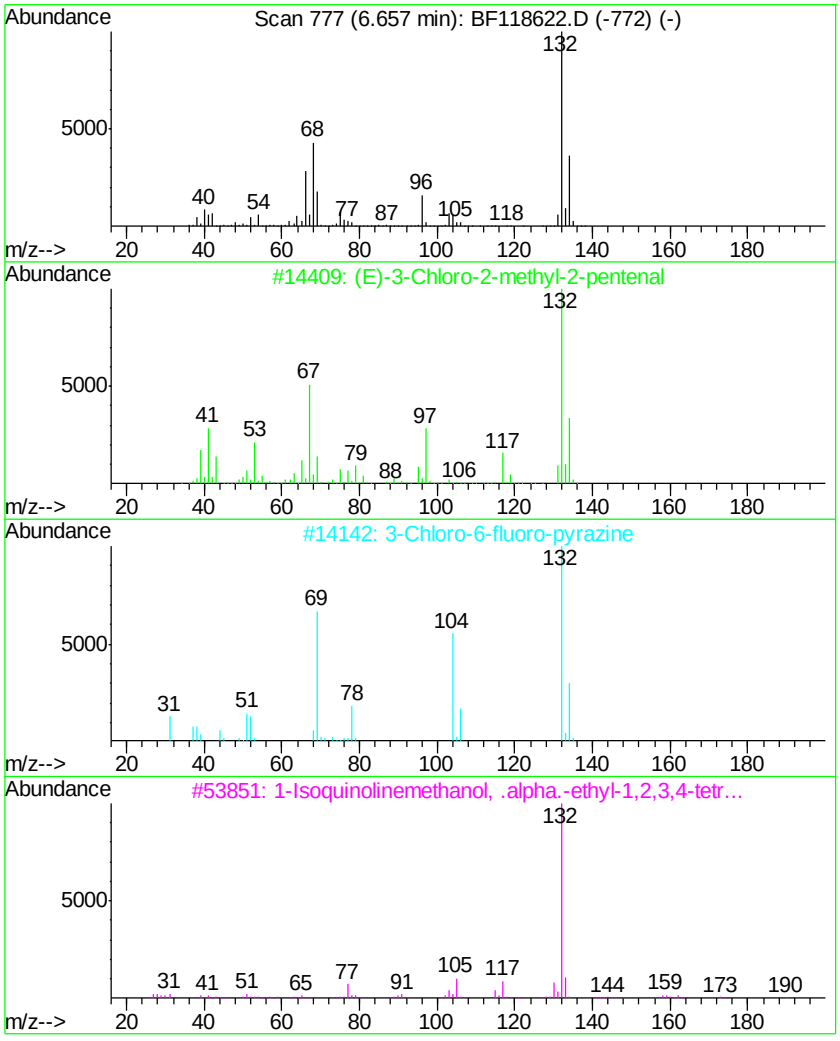
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

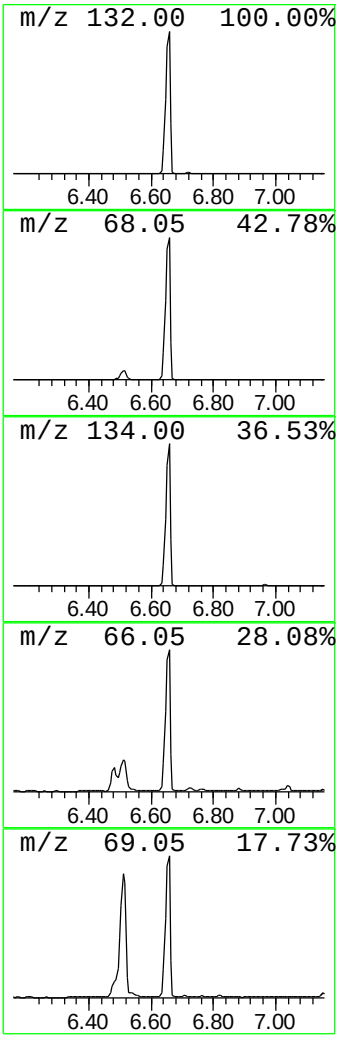
****

Peak Number 2 unknown6.66 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	71.05 ng	10308100	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	1-Isoquinolinemethanol, .alpha.-...	191	C12H17NO	114608-92-3	12
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	10
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : SB-32-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
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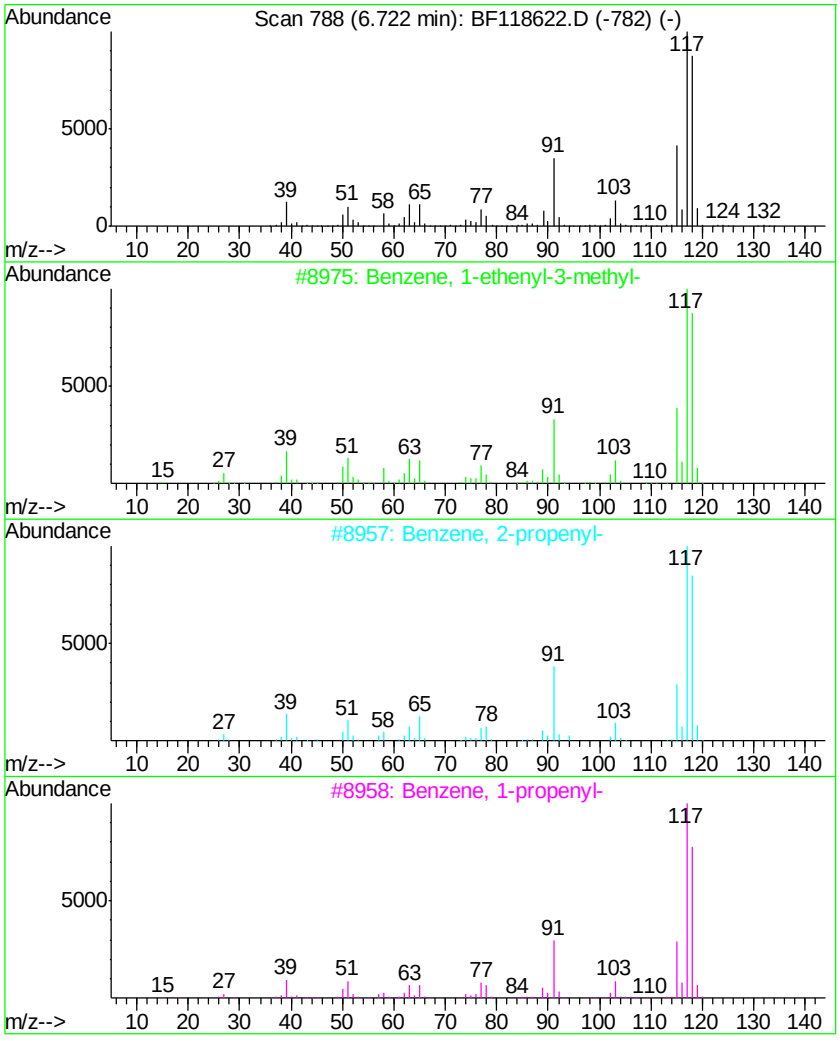
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

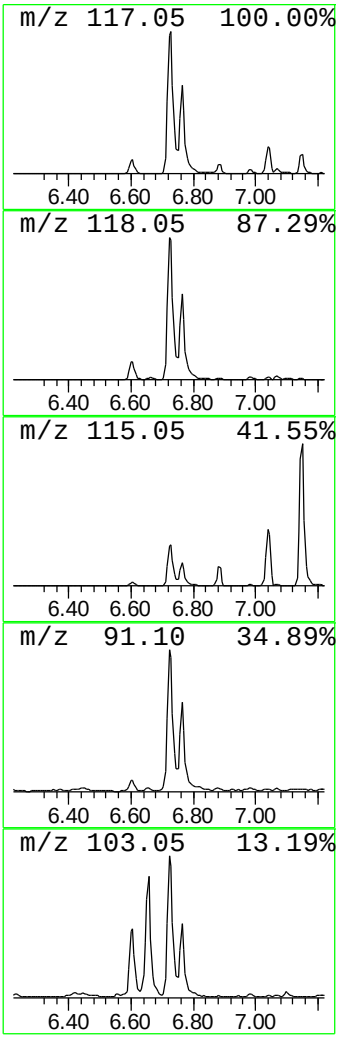
****

Peak Number 3 Benzene, 1-ethenyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	63.07 ng	9149880	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118622.D
Acq On : 21 Jan 2020 7:07
Operator : CG/JU
Sample : L1148-11
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-32-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

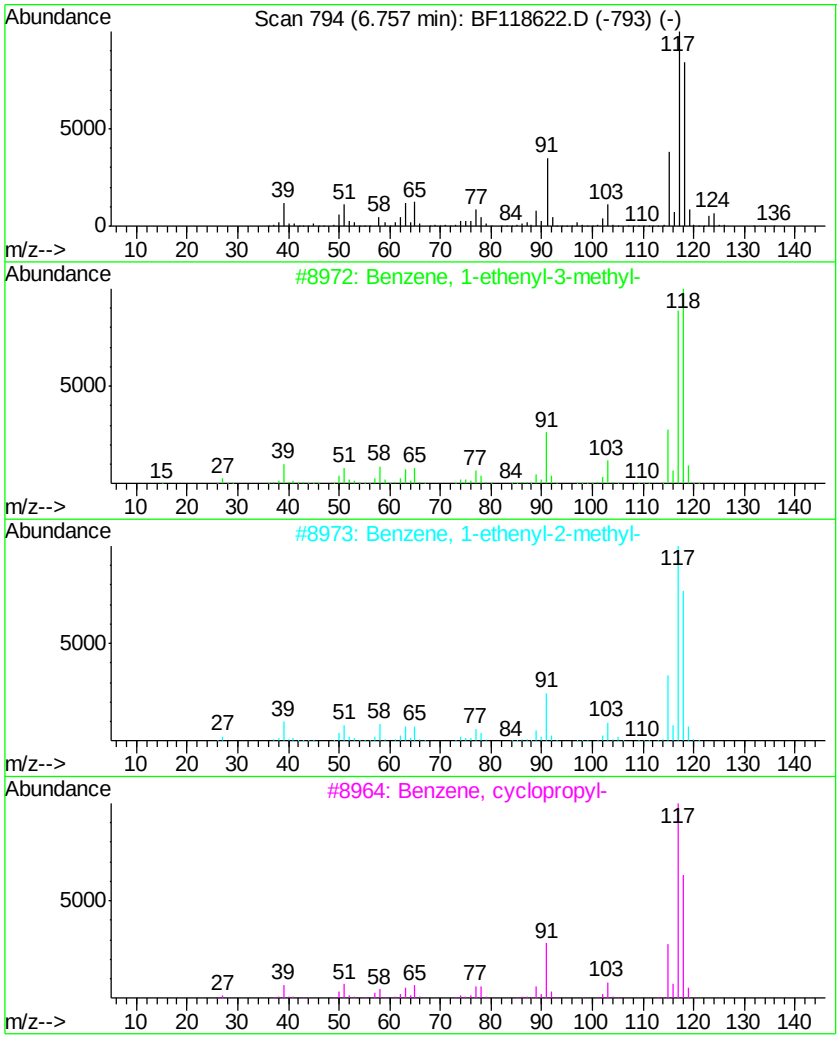
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

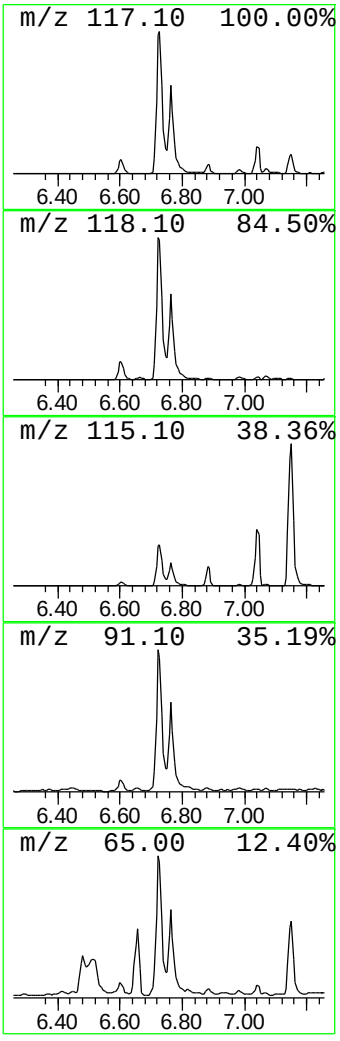
****

Peak Number 4 Benzene, 1-ethenyl-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	27.08 ng	3929210	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118622.D
Acq On : 21 Jan 2020 7:07
Operator : CG/JU
Sample : L1148-11
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-32-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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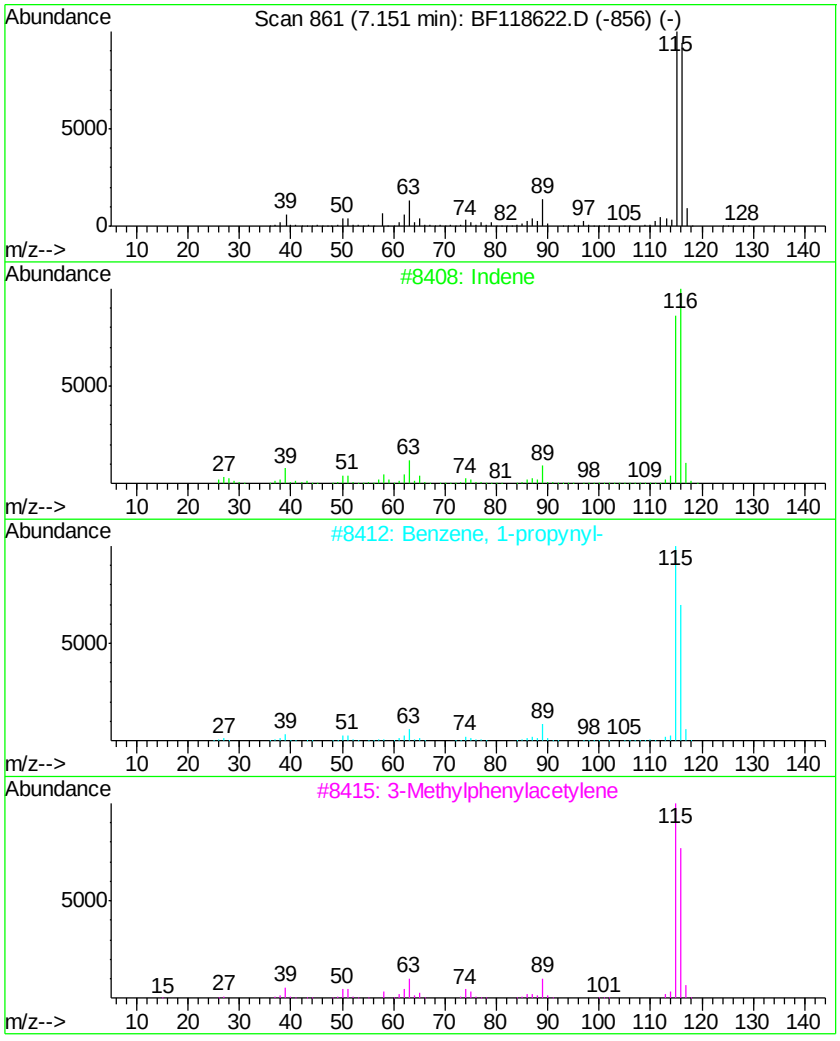
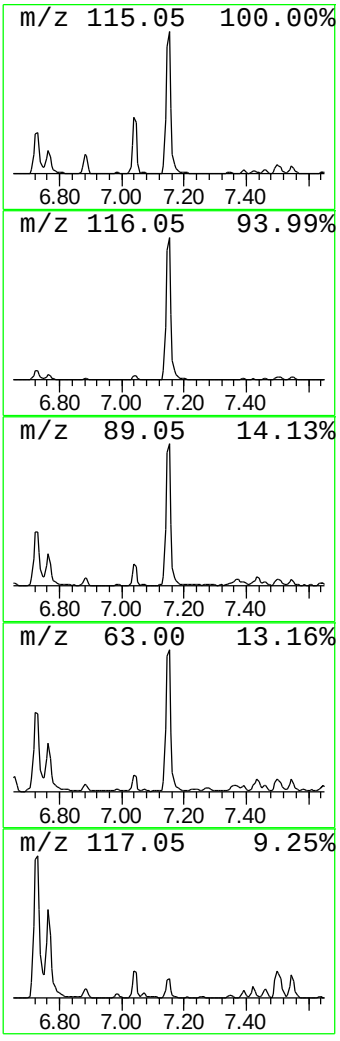
Peak Number 6 Indene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	54.51 ng	7908060	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	2-Methylphenylacetylene	116	C9H8	000766-47-2	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90





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Acq On : 21 Jan 2020 7:07
Operator : CG/JU
Sample : L1148-11
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-32-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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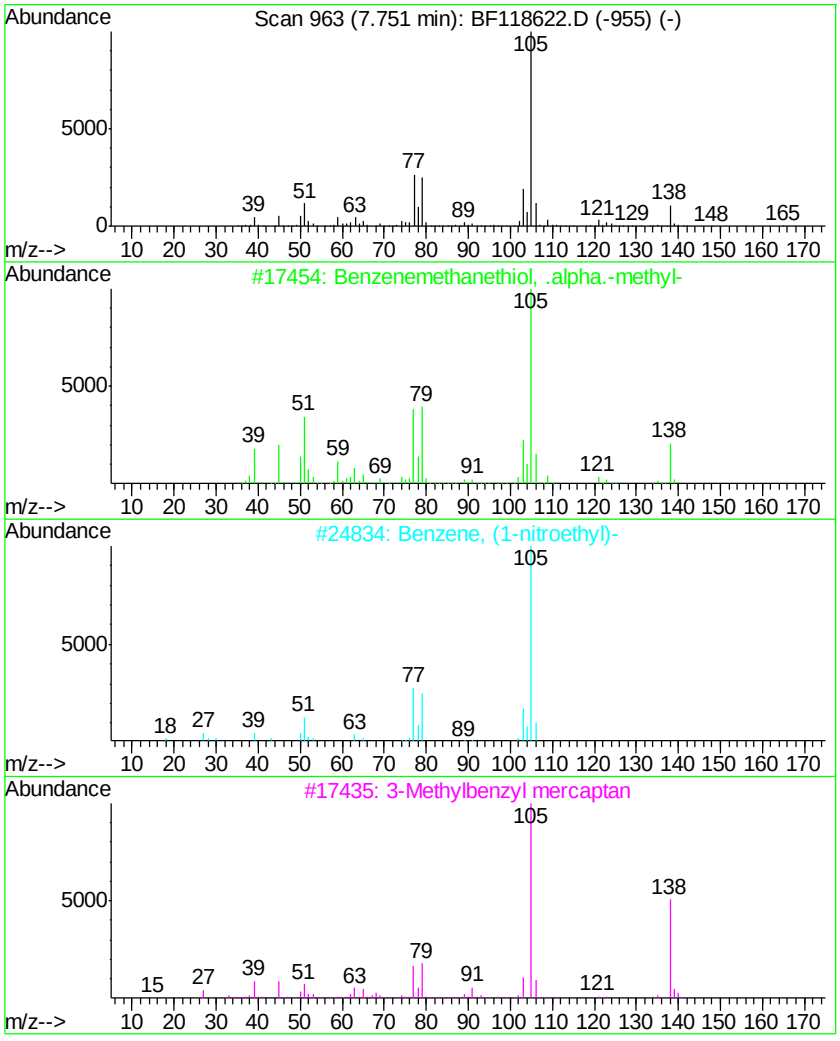
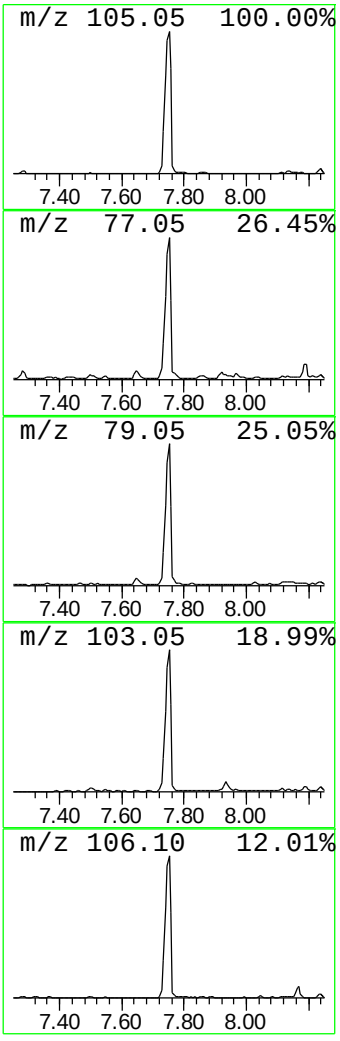
Peak Number 7 Benzenemethanethiol, .alpha... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	102.88 ng	19581700	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	93
2	Benzene, (1-nitroethyl)-	151	C8H9NO2	007214-61-1	80
3	3-Methylbenzyl mercaptan	138	C8H10S	025697-56-7	72
4	Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	72
5	Thiophene, 2-(4-methylbenzylsulf...	252	C12H12O2S2	153837-88-8	64





Library Search Compound Report

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Operator : CG/JU
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Misc :
ALS Vial : 30 Sample Multiplier: 1

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ClientSampleId : SB-32-(3-5)

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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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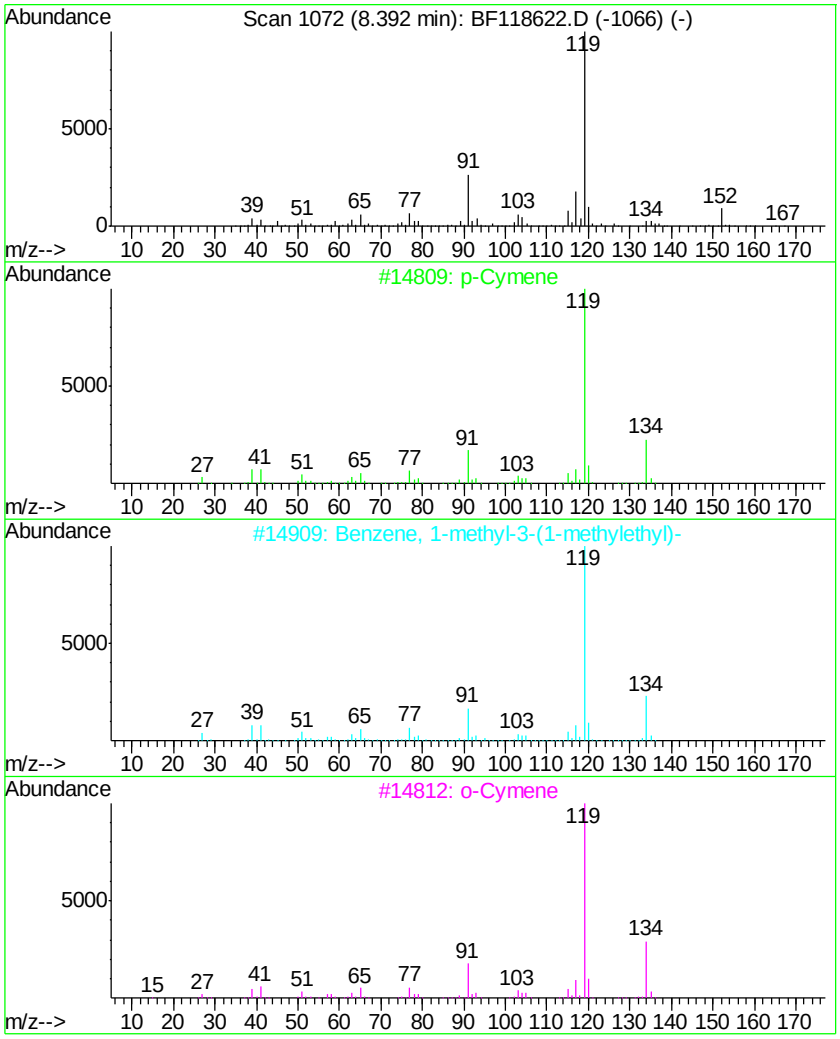
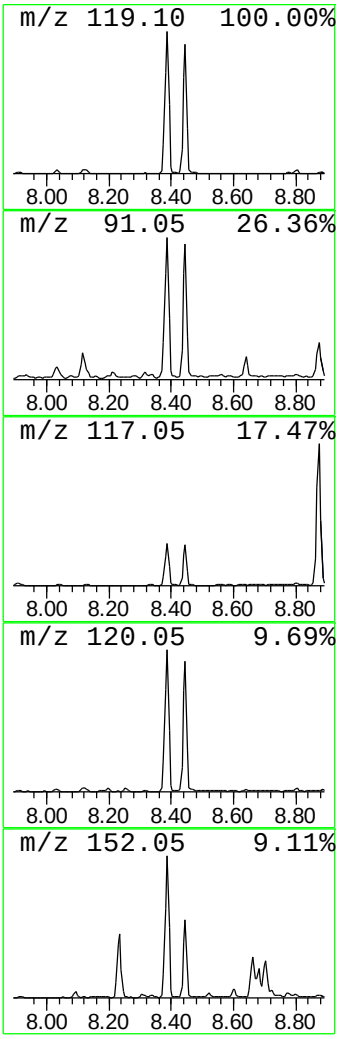
Peak Number 8 p-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	37.26 ng	7092600	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	87
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
3	o-Cymene	134	C10H14	000527-84-4	87
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	80
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	80





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ClientSampleId : SB-32-(3-5)

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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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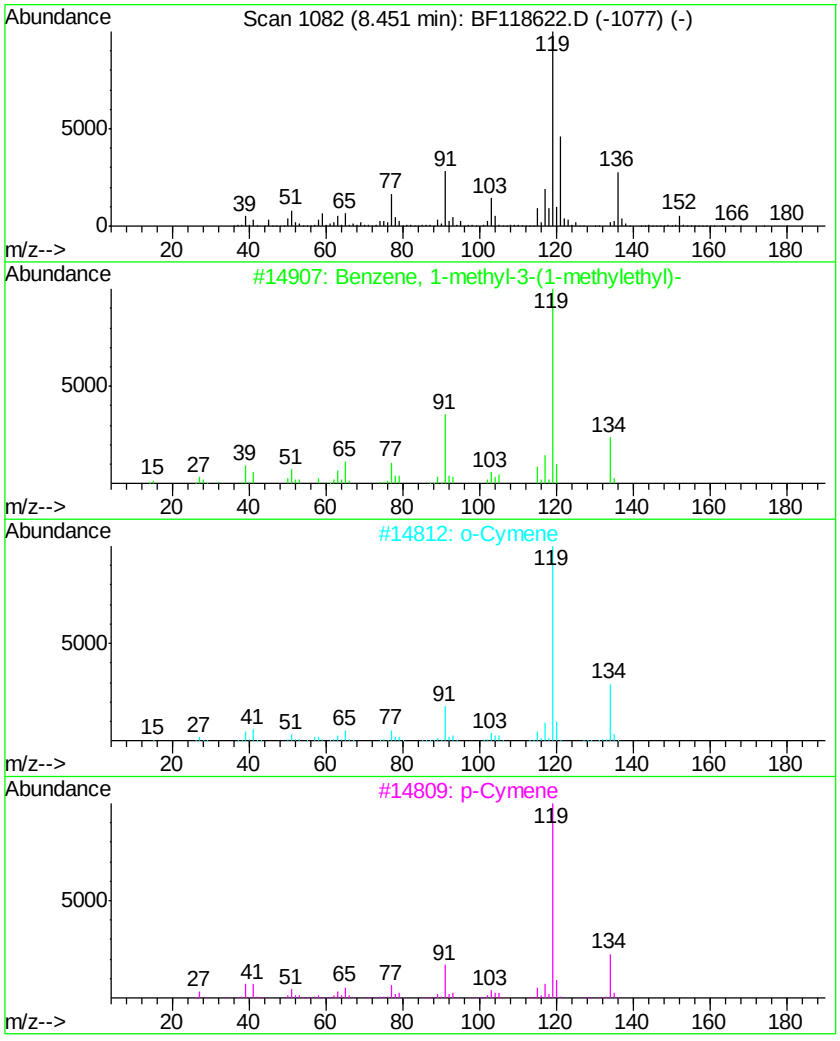
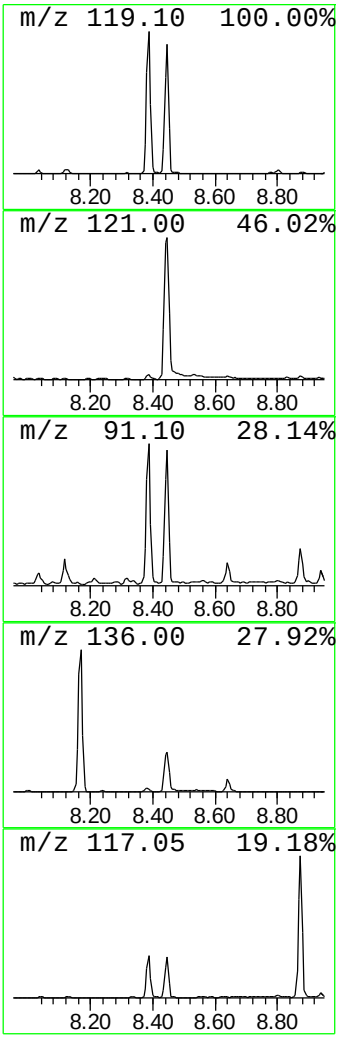
Peak Number 9 Benzene, 1-methyl-3-(1-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	44.55 ng	8480080	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	72
2	o-Cymene	134	C10H14	000527-84-4	64
3	p-Cymene	134	C10H14	000099-87-6	58
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	58
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	53





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ClientSampleId : SB-32-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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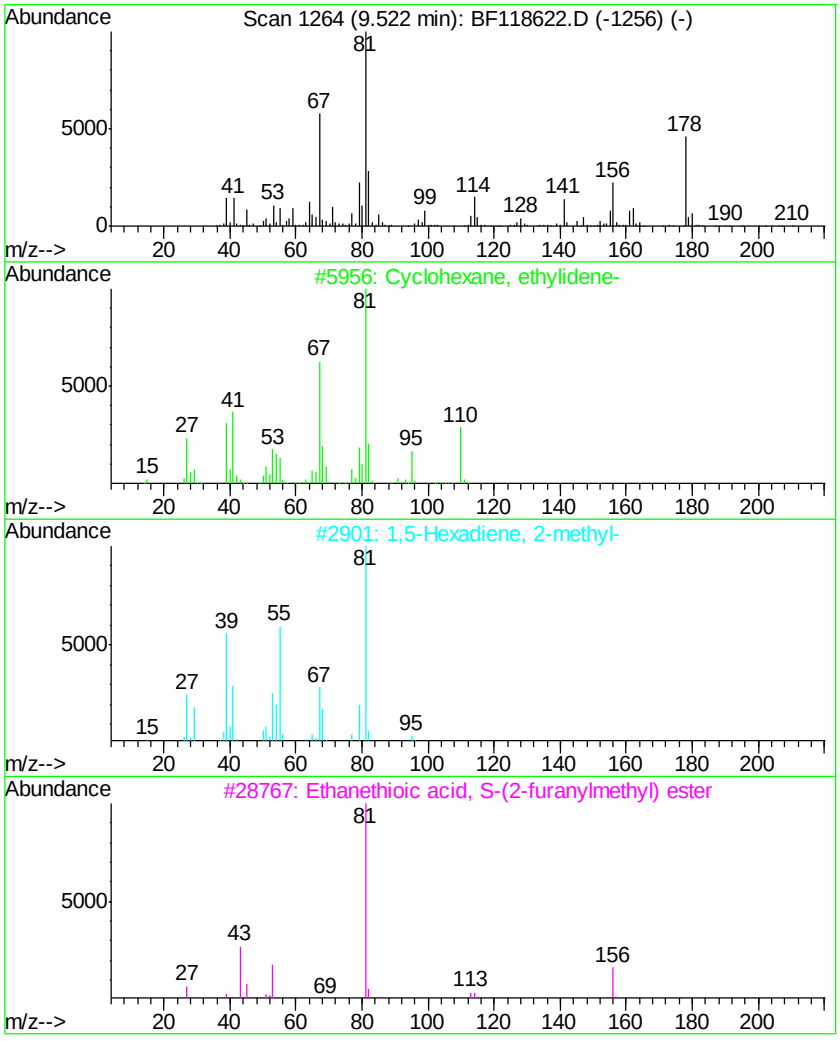
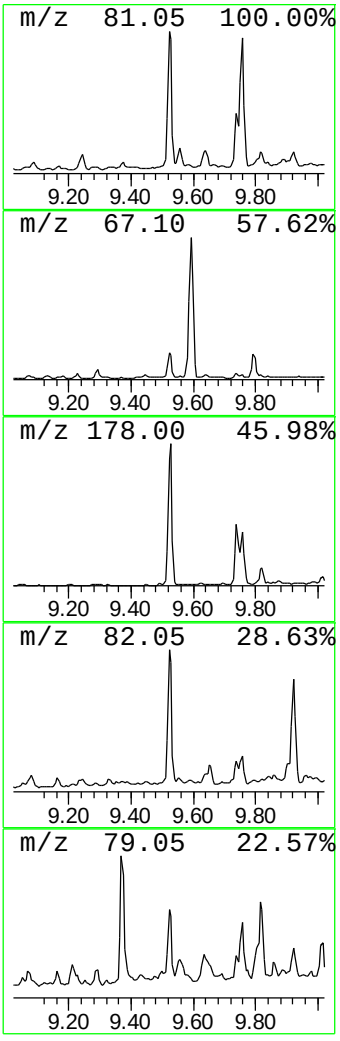
Peak Number 10 unknown9.52 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	26.38 ng	4203030	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	37
2	1,5-Hexadiene, 2-methyl-	96	C7H12	004049-81-4	35
3	Ethanethioic acid, S-(2-furanylm...	156	C7H8O2S	013678-68-7	27
4	Furan, 2-[[(1-methylethyl)thio]m...	156	C8H12OS	001883-78-9	27
5	1,E-4,Z-8-Dodecatriene	164	C12H20	083489-22-9	27





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Operator : CG/JU
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Misc :
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ClientSampleId : SB-32-(3-5)

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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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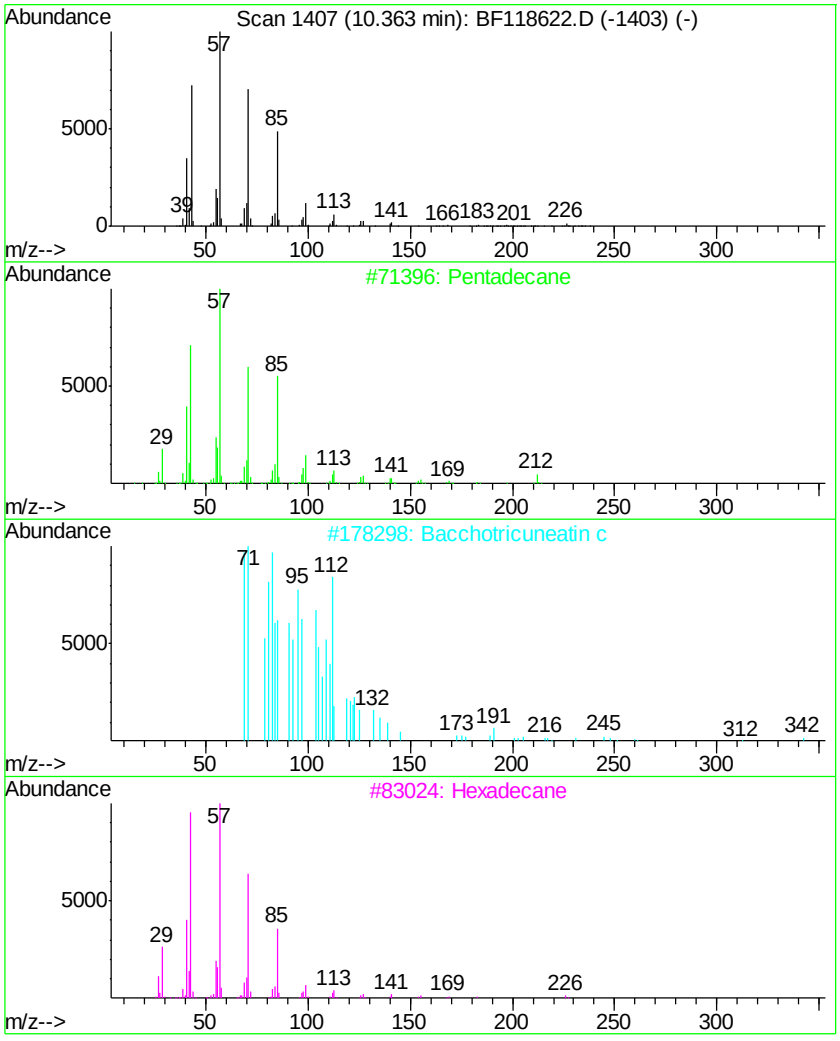
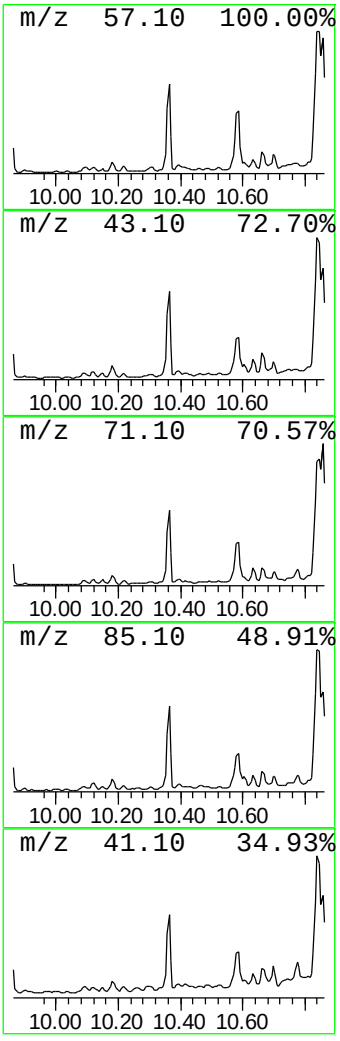
Peak Number 11 Pentadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	33.72 ng	5372190	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	95
2	Bacchotricuneatin c	342	C20H22O5	066563-30-2	95
3	Hexadecane	226	C16H34	000544-76-3	90
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
5	Heptadecane	240	C17H36	000629-78-7	72





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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-32-(3-5)

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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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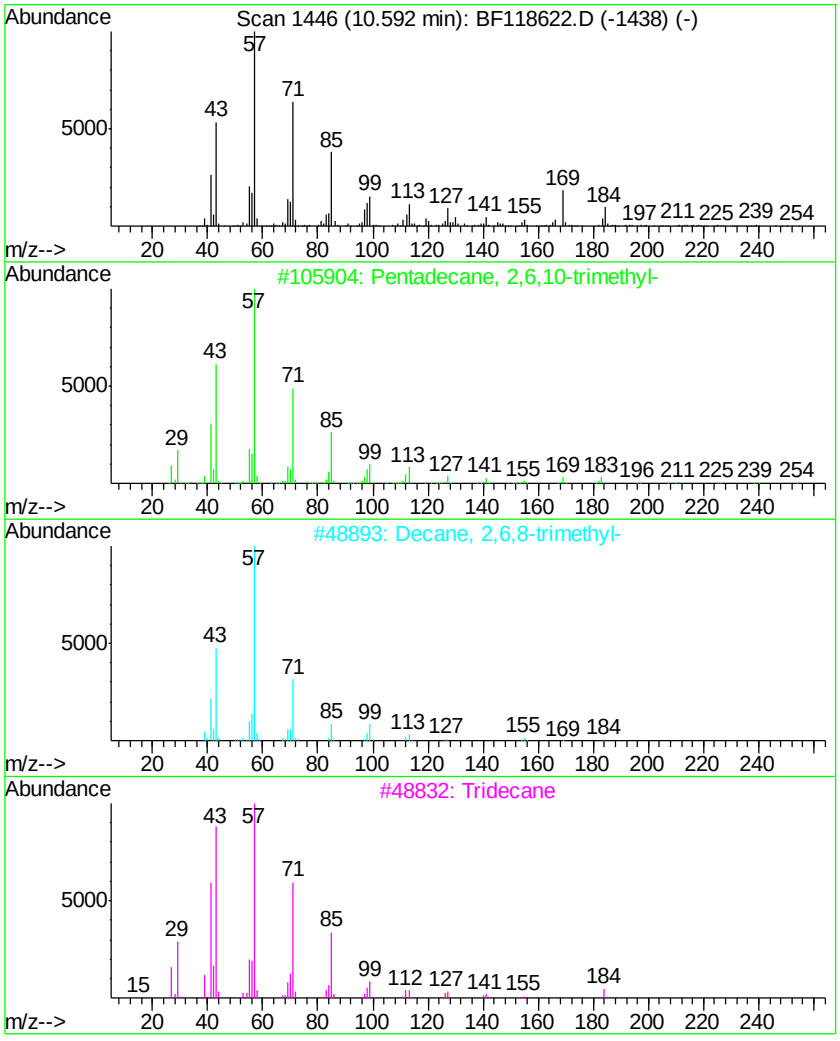
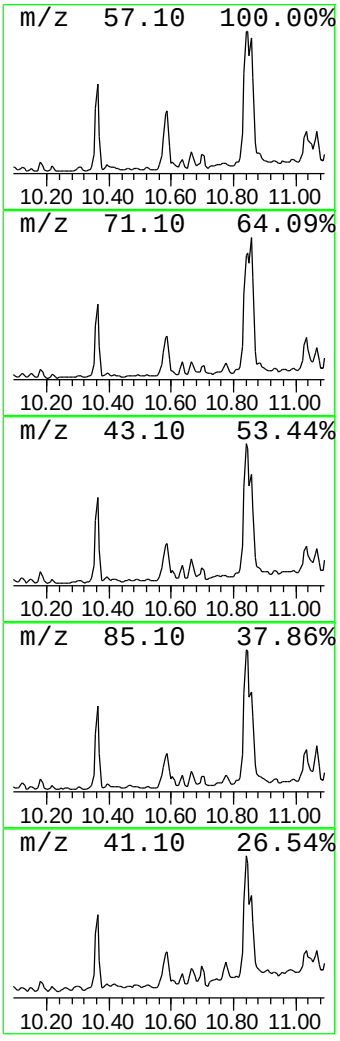
Peak Number 12 Pentadecane, 2,6,10-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	35.39 ng	5637400	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	95
2	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	70
3	Tridecane	184	C13H28	000629-50-5	68
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	68
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	68





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Operator : CG/JU
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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-32-(3-5)

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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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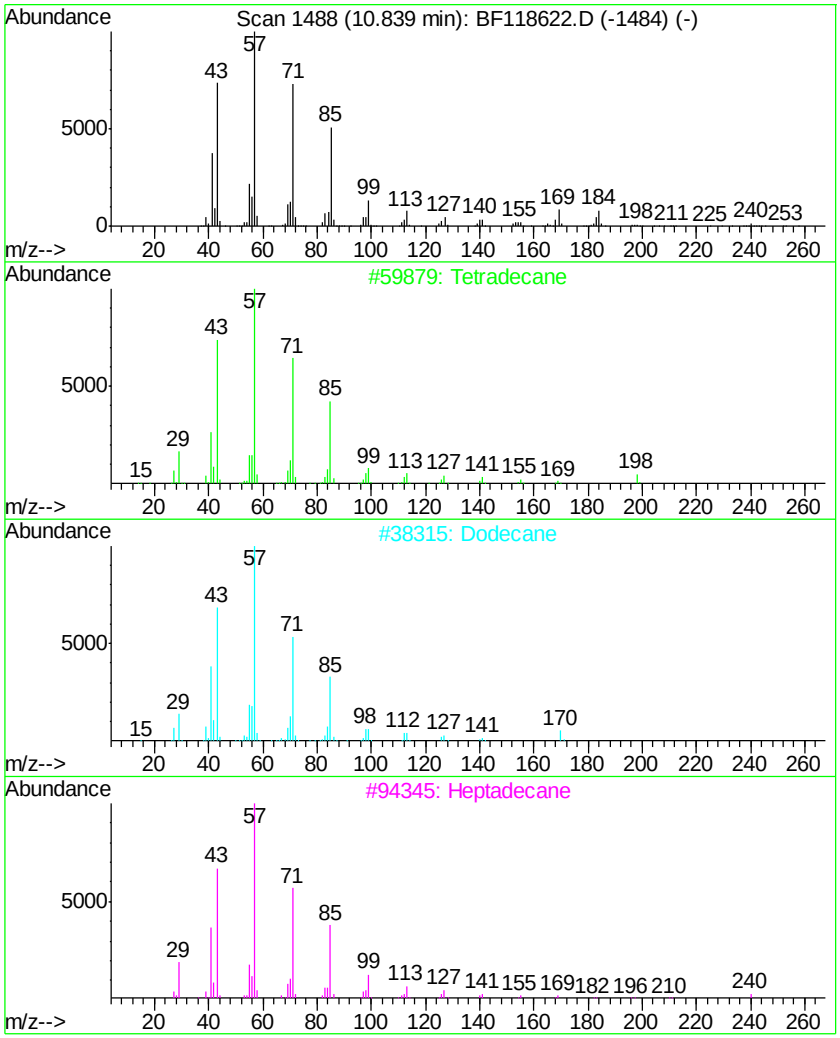
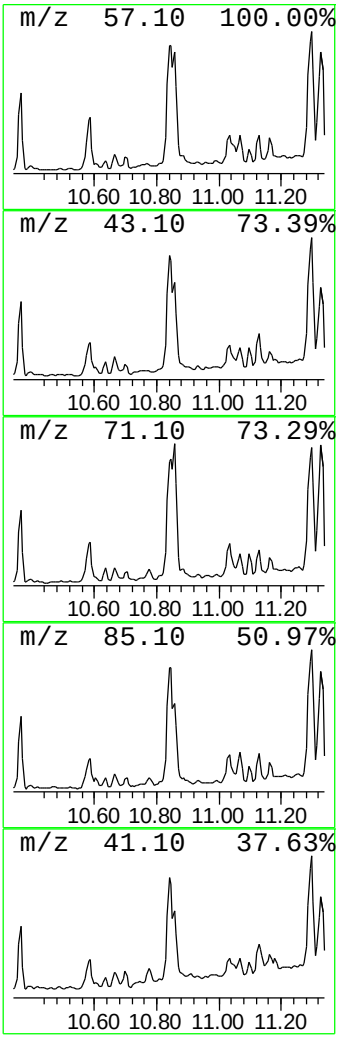
Peak Number 13 Tetradecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	61.91 ng	20326700	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	83
2	Dodecane	170	C12H26	000112-40-3	83
3	Heptadecane	240	C17H36	000629-78-7	83
4	Tritetracontane	605	C43H88	007098-21-7	80
5	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	80





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ClientSampleId : SB-32-(3-5)

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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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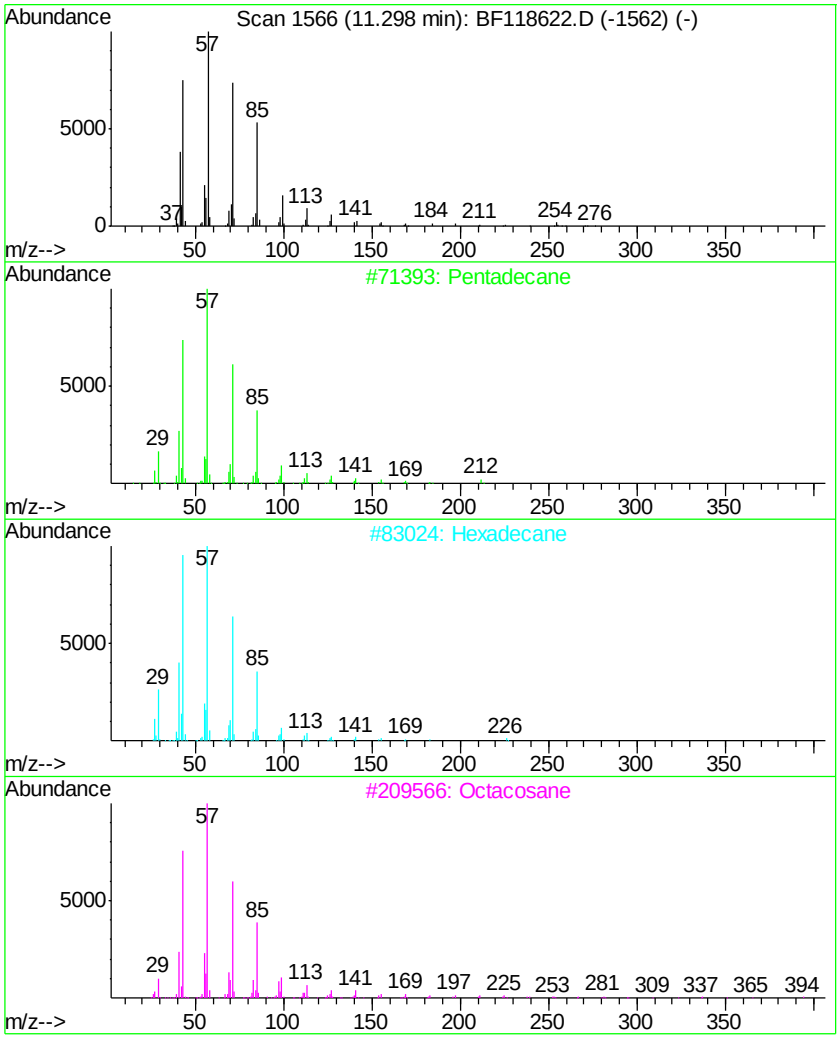
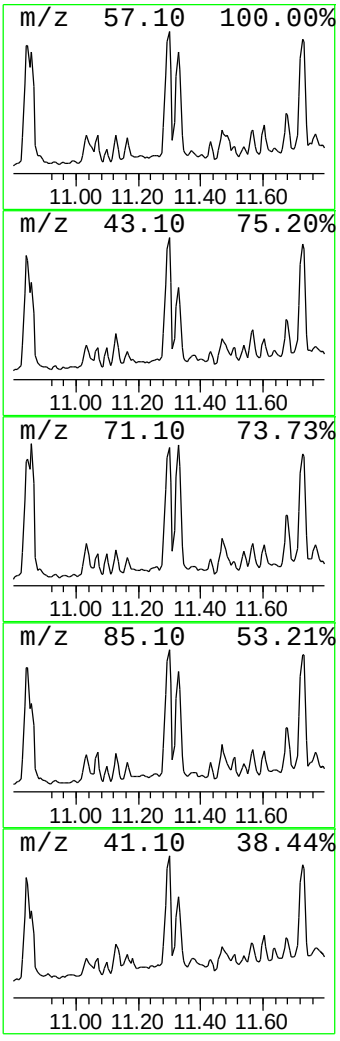
Peak Number 14 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	36.51 ng	11989500	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Tridecane	184	C13H28	000629-50-5	86
5	Nonadecane	268	C19H40	000629-92-5	86





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Misc :
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ClientSampleId : SB-32-(3-5)

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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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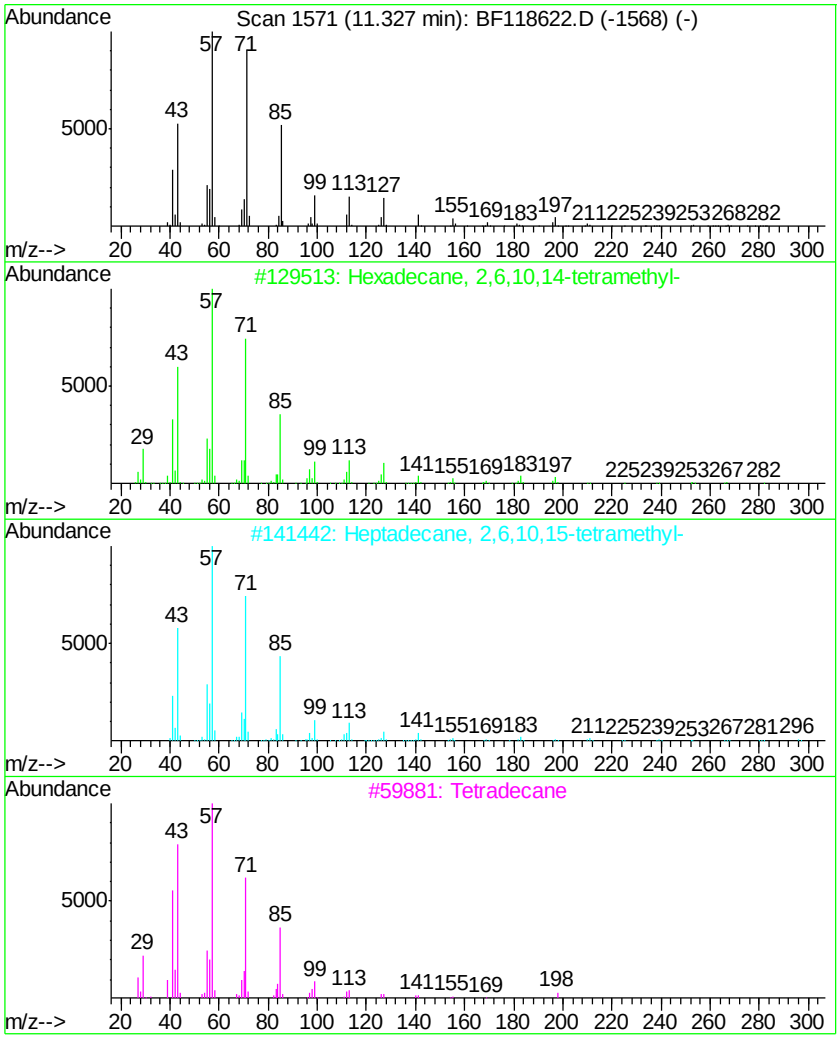
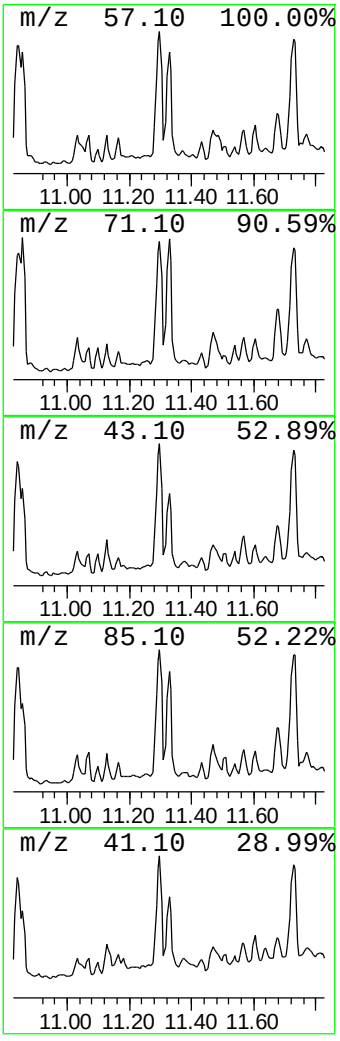
Peak Number 15 Hexadecane, 2,6,10,14-tetra... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	27.82 ng	9135570	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	91
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
3	Tetradecane	198	C14H30	000629-59-4	80
4	Octadecane	254	C18H38	000593-45-3	78
5	Decane, 3-methyl-	156	C11H24	013151-34-3	76





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

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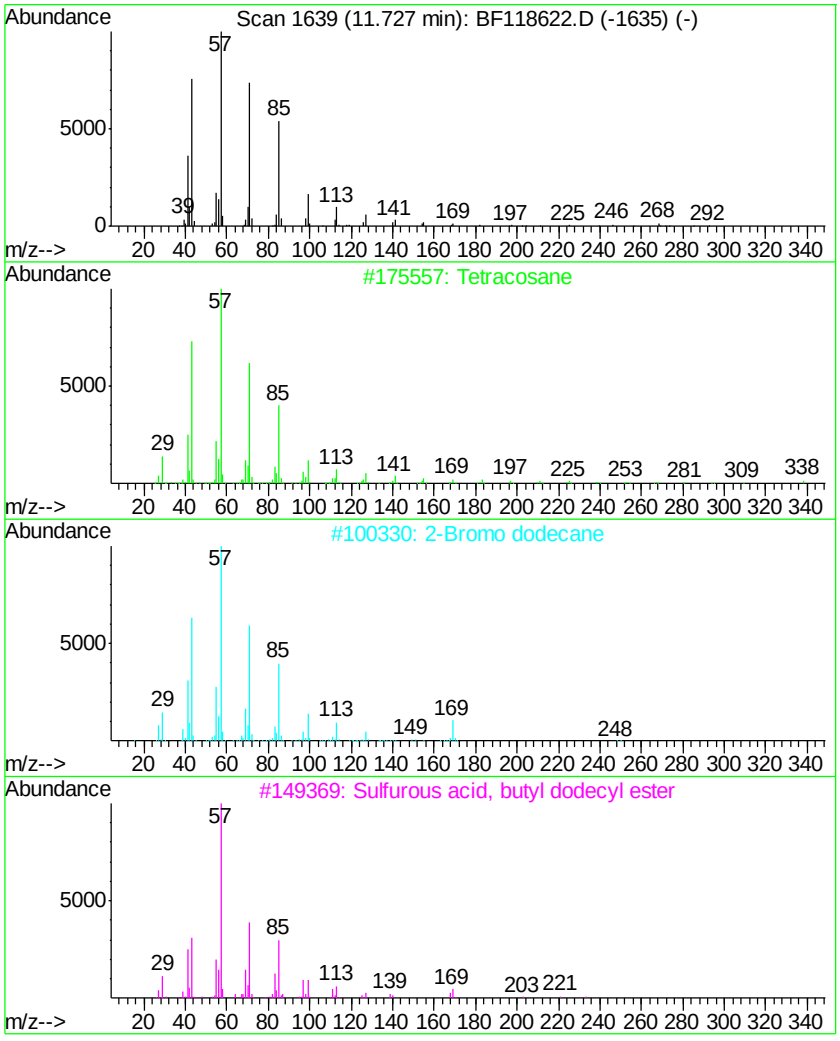
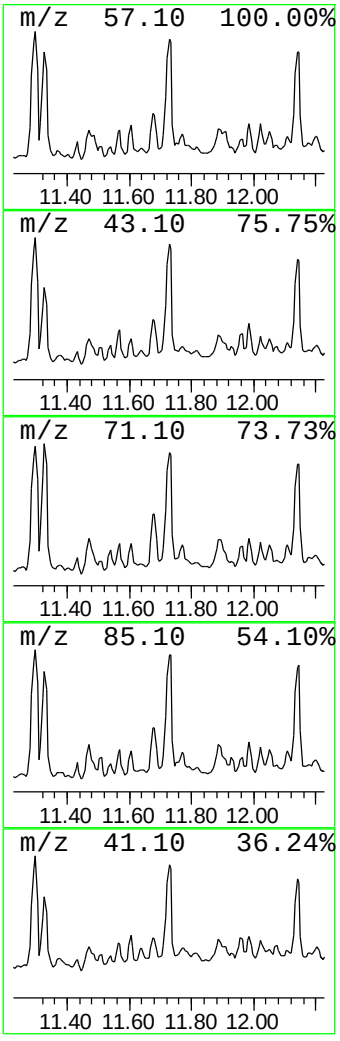
Peak Number 16 Tetracosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	28.62 ng	9396370	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	90
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
3	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	90
4	Nonadecane	268	C19H40	000629-92-5	90
5	Hexacosane	366	C26H54	000630-01-3	90





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ClientSampleId : SB-32-(3-5)

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

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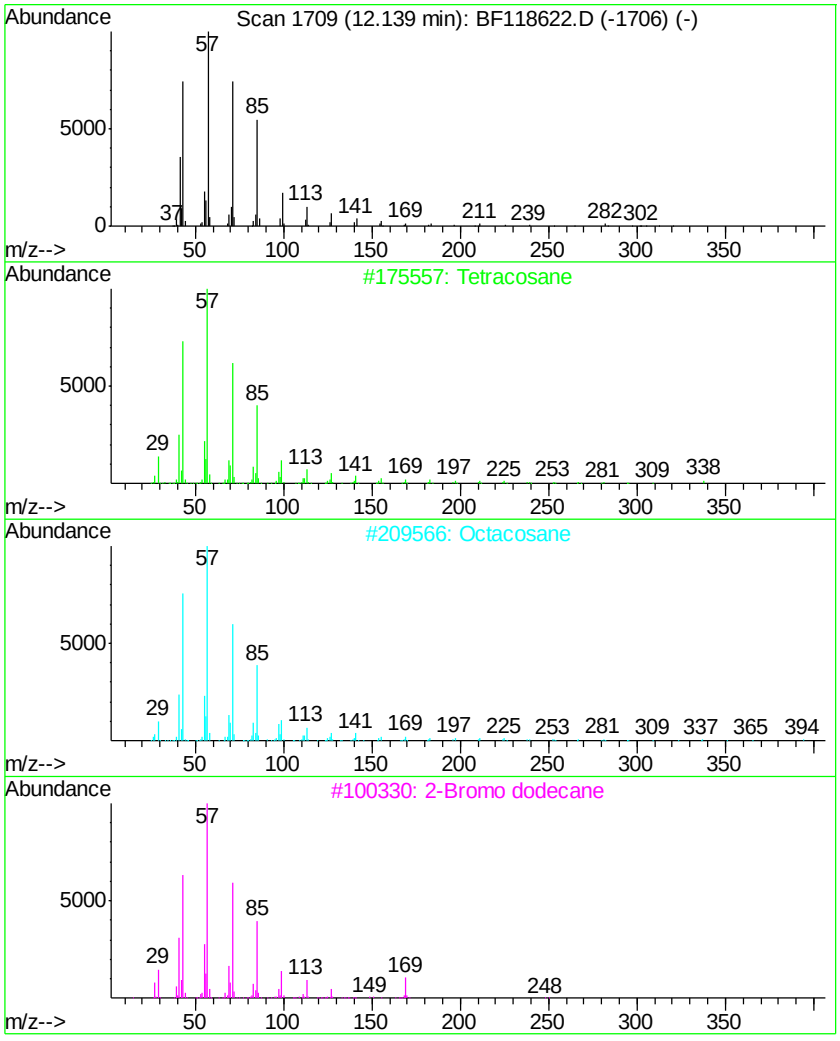
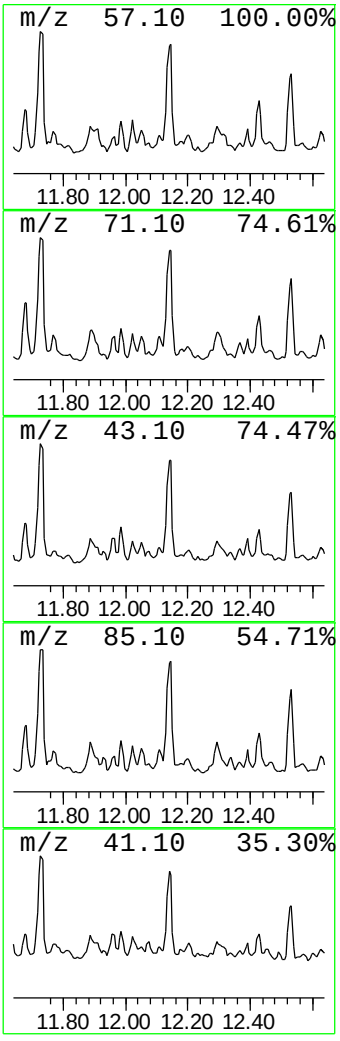
Peak Number 17 Octacosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	20.70 ng	6795540	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	90
2	Octacosane	394	C28H58	000630-02-4	90
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	90
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	83





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ALS Vial : 30 Sample Multiplier: 1

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ClientSampleId : SB-32-(3-5)

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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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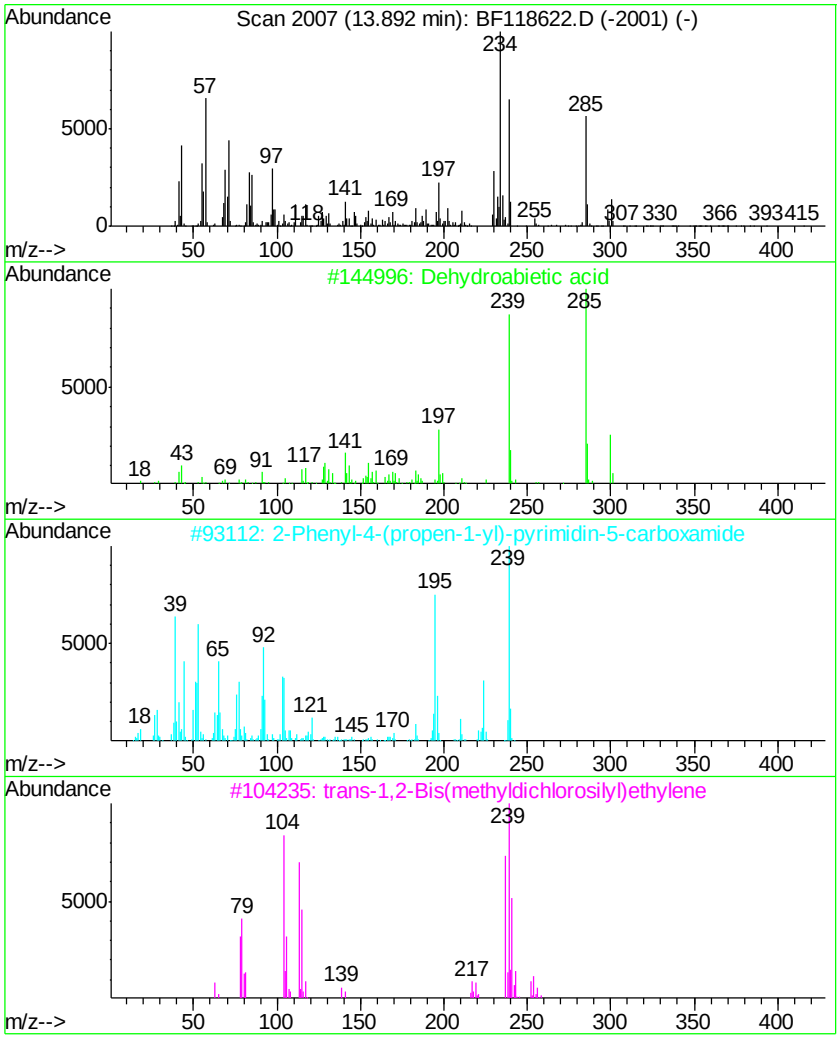
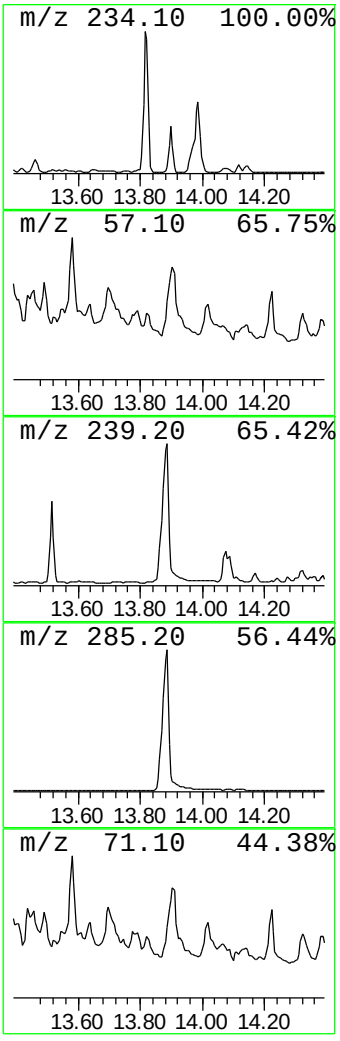
Peak Number 18 Dehydroabietic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	28.19 ng	15050800	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroabietic acid	300	C20H28O2	001740-19-8	95
2	2-Phenyl-4-(propen-1-yl)-pyrimid...	239	C14H13N3O	1000287-21-7	83
3	trans-1,2-Bis(methyldichlorosilv...	252	C4H8Cl4Si2	065899-10-7	83
4	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	83
5	Indole, 3-imidazolo[2,1-b]thiazo...	239	C13H9N3S	292855-05-1	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118622.D
Acq On : 21 Jan 2020 7:07
Operator : CG/JU
Sample : L1148-11
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-32-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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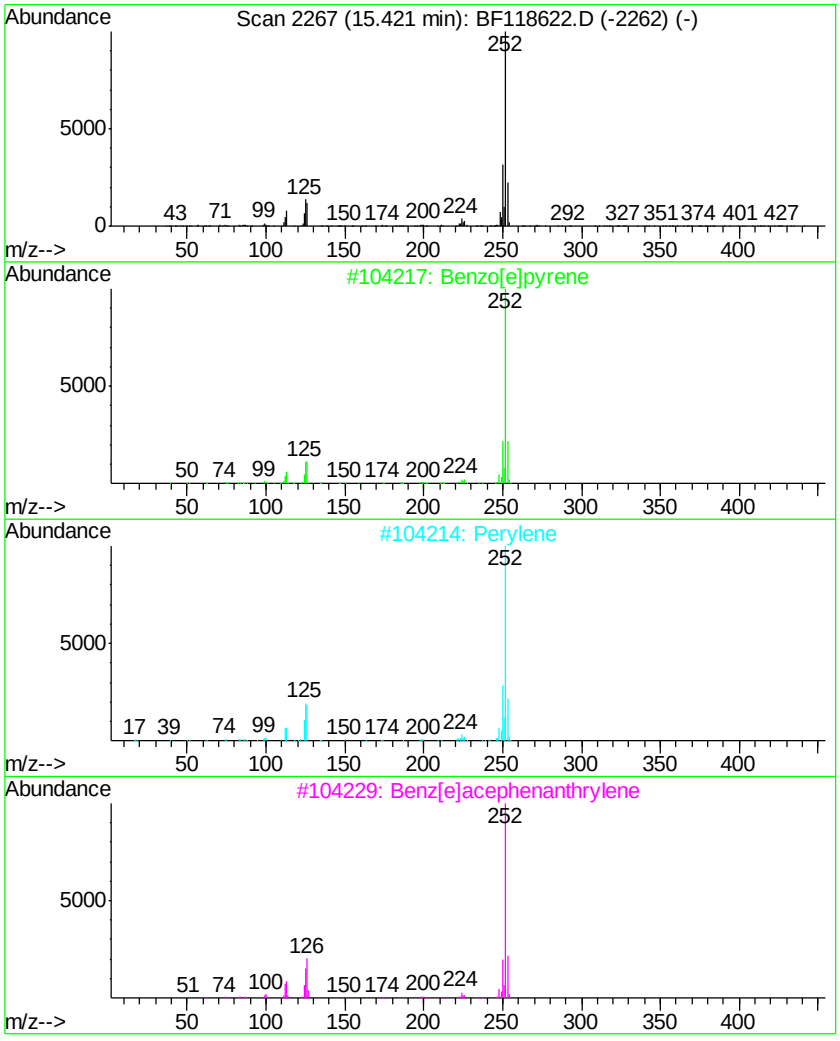
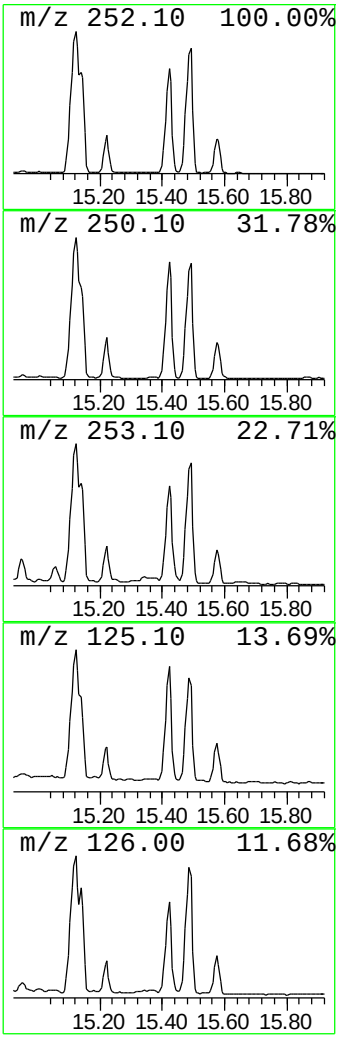
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	55.39 ng	6942640	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118622.D
Acq On : 21 Jan 2020 7:07
Operator : CG/JU
Sample : L1148-11
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-32-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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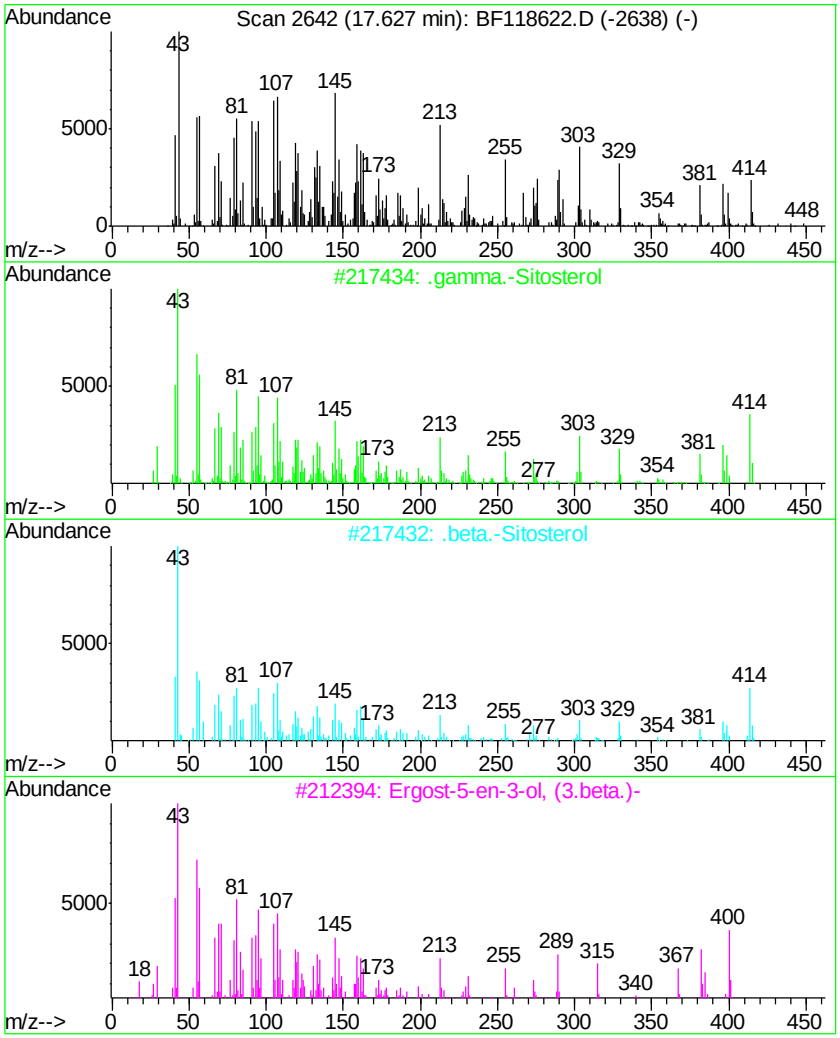
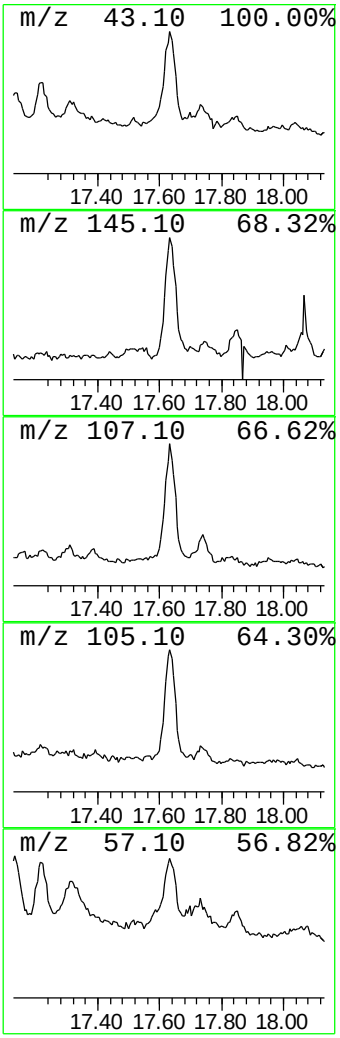
Peak Number 20 .gamma.-Sitosterol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	19.72 ng	2471750	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	90
3	Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	9
4	5.alpha.-Stigmast-9(11)-en-3.bet...	414	C29H50O	077794-81-1	7
5	Diethylmalonic acid, 1-bromo-3,3...	404	C15H24BrF3O4	1000370-79-6	6





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012020\
Data File : BF118622.D
Acq On : 21 Jan 2020 7:07
Operator : CG/JU
Sample : L1148-11
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-32-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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
1,3,5,7-Cycloocta...	5.73	124.1	ng	18003300	1	6.89	2901710	20.0
unknown6.66	6.66	71.0	ng	10308100	1	6.89	2901710	20.0
Benzene, 1-etheny...	6.72	63.1	ng	9149880	1	6.89	2901710	20.0
Benzene, 1-etheny...	6.76	27.1	ng	3929210	1	6.89	2901710	20.0
Indene	7.15	54.5	ng	7908060	1	6.89	2901710	20.0
Benzenemethanethi...	7.75	102.9	ng	19581700	2	8.17	3806730	20.0
p-Cymene	8.39	37.3	ng	7092600	2	8.17	3806730	20.0
Benzene, 1-methyl...	8.45	44.5	ng	8480080	2	8.17	3806730	20.0
unknown9.52	9.52	26.4	ng	4203030	3	9.92	3186060	20.0
Pentadecane	10.36	33.7	ng	5372190	3	9.92	3186060	20.0
Pentadecane, 2,6,...	10.59	35.4	ng	5637400	3	9.92	3186060	20.0
Tetradecane	10.84	61.9	ng	20326700	4	11.42	6566950	20.0
Hexadecane	11.30	36.5	ng	11989500	4	11.42	6566950	20.0
Hexadecane, 2,6,1...	11.33	27.8	ng	9135570	4	11.42	6566950	20.0
Tetracosane	11.73	28.6	ng	9396370	4	11.42	6566950	20.0
Octacosane	12.14	20.7	ng	6795540	4	11.42	6566950	20.0
Dehydroabietic acid	13.89	28.2	ng	15050800	5	14.07	10678900	20.0
Benzo[e]pyrene	15.42	55.4	ng	6942640	6	15.54	2506740	20.0
.gamma.-Sitosterol	17.63	19.7	ng	2471750	6	15.54	2506740	20.0