LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111387.D
Acq On : 13 Dec 2018 23:16
Operator : JU/SJ
Sample : J6305-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW004-02

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	4.269	364	371	375	rBV	768923	919872	5.56%	0.429%
2	5.010	491	497	503	rBV	1608151	2091854	12.64%	0.975%
3	5.428	564	568	572	rVB2	2415582	2881230	17.41%	1.344%
4	5.592	593	596	600	rBV	682712	606088	3.66%	0.283%
5	5.751	620	623	628	rBV	551146	492317	2.97%	0.230%
6	5.957	654	658	662	rBV	816551	979976	5.92%	0.457%
7	6.057	666	675	682	rVV2	964686	2165539	13.08%	1.010%
8	6.345	717	724	728	rBV	2043880	3216586	19.43%	1.500%
9	6.381	728	730	733	rBV	376502	463413	2.80%	0.216%
10	6.422	733	737	740	rVB	912222	1140713	6.89%	0.532%
11	6.486	740	748	759	rVB	7243704	16552809	100.00%	7.719%
12	6.581	759	764	767	rBV	4529520	4499233	27.18%	2.098%
13	6.639	769	774	775	rBV2	1978993	2008865	12.14%	0.937%
14	6.751	789	793	797	rVB2	1335751	1521980	9.19%	0.710%
15	6.798	797	801	803	rBV	2225534	1874093	11.32%	0.874%
16	6.904	816	819	822	rBV	781440	693209	4.19%	0.323%
17	6.957	824	828	832	rBV2	4992267	5672207	34.27%	2.645%
18	6.992	832	834	836	rVB2	692971	531643	3.21%	0.248%
19	7.063	840	846	847	rBV	798657	907983	5.49%	0.423%
20	7.081	847	849	855	rVB2	2096295	2695677	16.29%	1.257%
21	7.133	855	858	861	rBV2	593650	672935	4.07%	0.314%
22	7.204	868	870	872	rBV	542594	465006	2.81%	0.217%
23	7.239	872	876	878	rBV	2641949	2338612	14.13%	1.090%
24	7.275	878	882	885	rVB2	1224915	1541584	9.31%	0.719%
25	7.310	885	888	889	rBV	455787	460761	2.78%	0.215%
26	7.363	889	897	899	rVB2	3510609	5300002	32.02%	2.471%
27	7.404	899	904	907	rBV3	755263	826714	4.99%	0.385%
28	7.463	911	914	918	rBV2	725529	1081033	6.53%	0.504%
29	7.592	930	936	938	rBV4	680200	1407351	8.50%	0.656%
30	7.669	943	949	951	rVV3	1893512	3182186	19.22%	1.484%
31	7.698	951	954	956	rVV2	1552952	1545105	9.33%	0.720%
32	7.769	956	966	970	rVV	2636388	6471194	39.09%	3.018%
33	7.822	971	975	980	rVV2	3043597	4262109	25.75%	1.987%
34	7.869	980	983	991	rVV3	1302822	2860564	17.28%	1.334%

LSC Area Percent Report

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Acq On : 13 Dec 2018 23:16
Operator : JU/SJ
Sample : J6305-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW004-02

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	7.933	991	994	995	rVV2	761509	801670	4.84%	0.374%
36	7.957	995	998	1002	rVV3	1507475	1744955	10.54%	0.814%
37	8.004	1002	1006	1008	rVV	1138627	1466042	8.86%	0.684%
38	8.033	1008	1011	1013	rVV	1180811	1403100	8.48%	0.654%
39	8.080	1016	1019	1023	rVV	3375538	3287947	19.86%	1.533%
40	8.116	1023	1025	1028	rVB2	694573	671258	4.06%	0.313%
41	8.263	1042	1050	1053	rBV	3456985	4551909	27.50%	2.123%
42	8.316	1057	1059	1061	rVV	979521	883038	5.33%	0.412%
43	8.345	1061	1064	1066	rVV	1485560	1443632	8.72%	0.673%
44	8.369	1066	1068	1071	rVB	773141	606508	3.66%	0.283%
45	8.404	1071	1074	1076	rBV	999872	905490	5.47%	0.422%
46	8.475	1084	1086	1088	rVB	1191858	999631	6.04%	0.466%
47	8.557	1092	1100	1104	rBV5	2509497	6223894	37.60%	2.902%
48	8.639	1104	1114	1116	rBV4	3109412	6274494	37.91%	2.926%
49	8.663	1116	1118	1119	rBV	1199914	765367	4.62%	0.357%
50	8.769	1134	1136	1138	rVB2	1609696	1263957	7.64%	0.589%
51	8.786	1138	1139	1141	rVB	893736	522599	3.16%	0.244%
52	8.810	1141	1143	1145	rVB	632279	479321	2.90%	0.224%
53	8.845	1145	1149	1151	rBV3	888978	1132304	6.84%	0.528%
54	8.910	1151	1160	1164	rVB2	3288727	7338072	44.33%	3.422%
55	8.951	1164	1167	1169	rBV	851735	840140	5.08%	0.392%
56	8.980	1169	1172	1177	rVB4	702206	1043056	6.30%	0.486%
57	9.027	1177	1180	1182	rBV	953207	972265	5.87%	0.453%
58	9.069	1182	1187	1190	rVB2	1792920	2298716	13.89%	1.072%
59	9.157	1193	1202	1205	rBV	7814740	10280030	62.10%	4.794%
60	9.192	1205	1208	1210	rVV2	2875801	3872224	23.39%	1.806%
61	9.216	1210	1212	1219	rVB5	910925	1099662	6.64%	0.513%
62	9.275	1219	1222	1224	rBV	589996	505060	3.05%	0.236%
63	9.304	1224	1227	1229	rVV2	714087	808500	4.88%	0.377%
64	9.327	1229	1231	1237	rVB2	970156	1016143	6.14%	0.474%
65	9.416	1243	1246	1249	rBV2	405577	538831	3.26%	0.251%
66	9.504	1252	1261	1263	rBV	3418871	6798704	41.07%	3.170%
67	9.633	1277	1283	1286	rBV2	979444	1567570	9.47%	0.731%
68	9.669	1286	1289	1292	rVB2	797637	890706	5.38%	0.415%
69	9.716	1293	1297	1301	rVB3	764428	1110618	6.71%	0.518%
70	9.769	1301	1306	1309	rBV4	1170310	1620540	9.79%	0.756%
71	9.833	1314	1317	1322	rVB	3020052	2985297	18.03%	1.392%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J6305-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW004-02

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	9.880	1323	1325	1329	rBV4	336685	557169	3.37%	0.260%
73	10.145	1367	1370	1376	rVB	1273392	1386870	8.38%	0.647%
74	10.280	1390	1393	1395	rVB	474924	450501	2.72%	0.210%
75	10.310	1395	1398	1399	rBV	1118437	868785	5.25%	0.405%
76	10.451	1420	1422	1427	rBV2	613350	715227	4.32%	0.334%
77	10.492	1427	1429	1433	rVB	745854	638566	3.86%	0.298%
78	10.627	1448	1452	1456	rBV	2615228	2443753	14.76%	1.140%
79	10.845	1486	1489	1493	rVV2	490368	504848	3.05%	0.235%
80	11.110	1521	1534	1536	rBV	5721655	12463229	75.29%	5.812%
81	11.204	1546	1550	1555	rVB	2487823	2315274	13.99%	1.080%
82	11.263	1557	1560	1563	rVB	760815	678587	4.10%	0.316%
83	11.316	1566	1569	1573	rVB	2116965	1894939	11.45%	0.884%
84	11.480	1593	1597	1600	rBV4	721872	881493	5.33%	0.411%
85	11.716	1633	1637	1642	rBV2	710893	1005842	6.08%	0.469%
86	11.868	1659	1663	1667	rBV	1755069	1768097	10.68%	0.824%
87	11.939	1672	1675	1679	rVV	1258682	1247470	7.54%	0.582%
88	11.986	1680	1683	1686	rVV3	408000	510910	3.09%	0.238%
89	12.021	1686	1689	1694	rVB2	1151284	1102445	6.66%	0.514%
90	12.645	1792	1795	1805	rVB2	1081495	1508523	9.11%	0.703%
91	12.804	1817	1822	1824	rBV	4721193	7054902	42.62%	3.290%
92	12.898	1835	1838	1842	rVB	2721838	2595767	15.68%	1.210%
93	13.762	1981	1985	1988	rBV	605284	643196	3.89%	0.300%
94	13.804	1989	1992	1995	rVV	776049	748977	4.52%	0.349%
95	13.951	2014	2017	2021	rVB	1547544	1425198	8.61%	0.665%
96	14.433	2096	2099	2111	rVB2	607412	822000	4.97%	0.383%
97	14.733	2147	2150	2156	rVB	592550	572437	3.46%	0.267%
98	15.062	2202	2206	2211	rVB	528083	597191	3.61%	0.278%
99	15.392	2258	2262	2265	rBV	906358	1068482	6.45%	0.498%
100	15.427	2265	2268	2275	rVB	504904	640560	3.87%	0.299%

Sum of corrected areas: 214454931

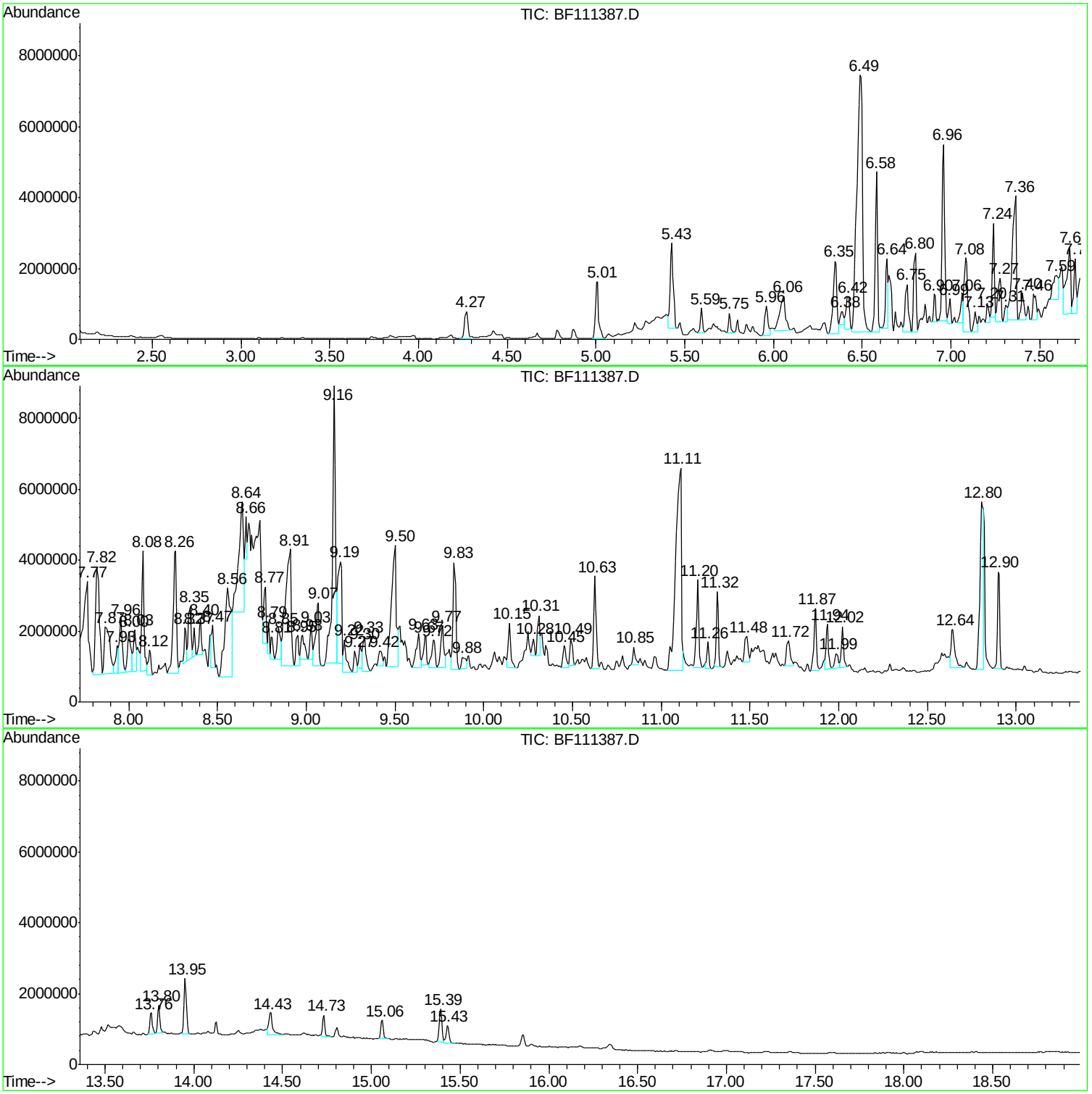
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111387.D
Acq On : 13 Dec 2018 23:16
Operator : JU/SJ
Sample : J6305-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW004-02

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111387.D
Acq On : 13 Dec 2018 23:16
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Misc :
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Instrument : BNA_F
ClientSampleId : P001-SW004-02

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

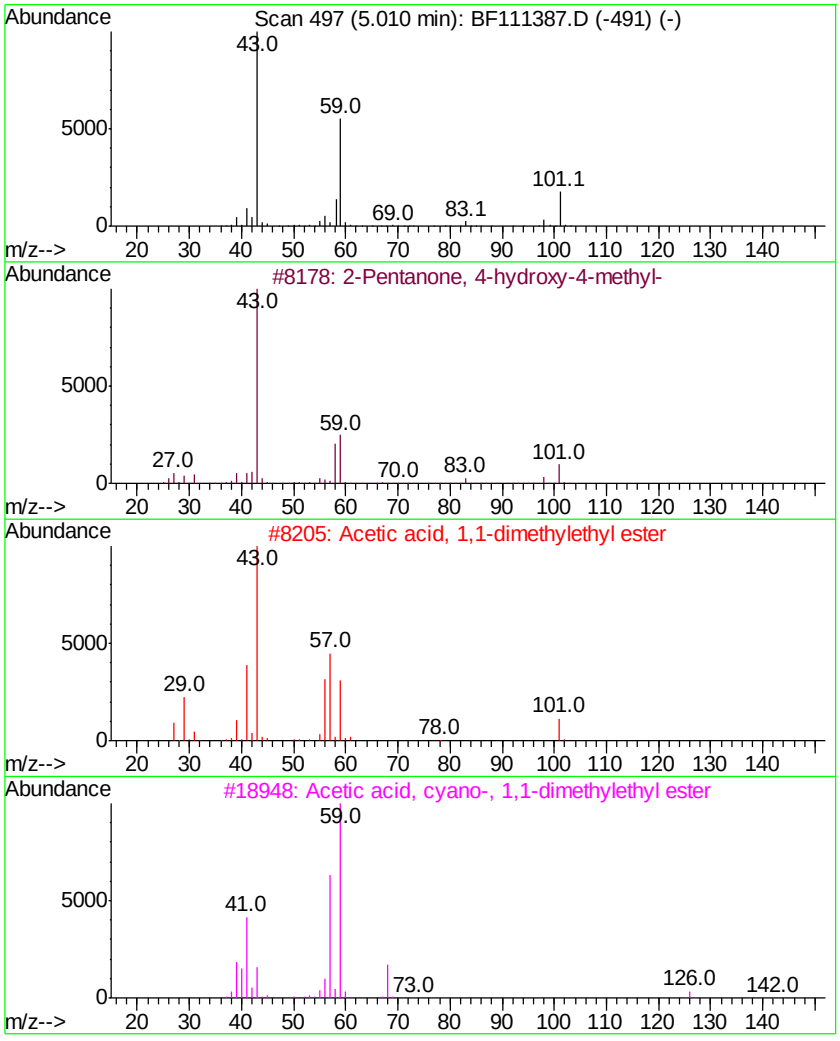
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

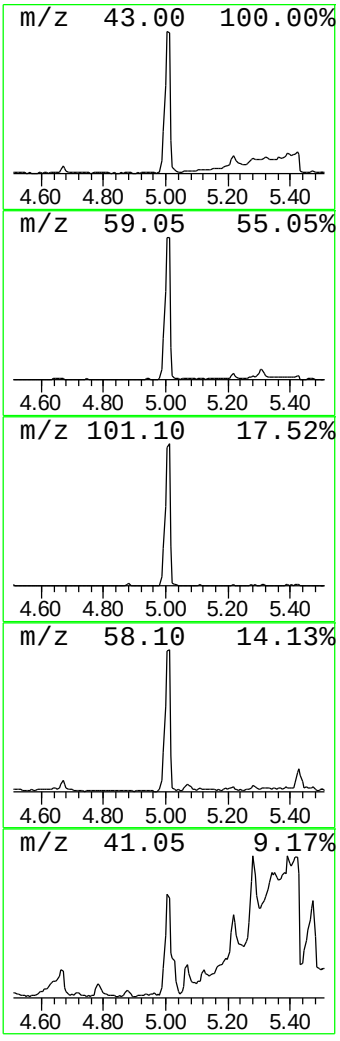
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	22.32 ng	2091850	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111387.D
Acq On : 13 Dec 2018 23:16
Operator : JU/SJ
Sample : J6305-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW004-02

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

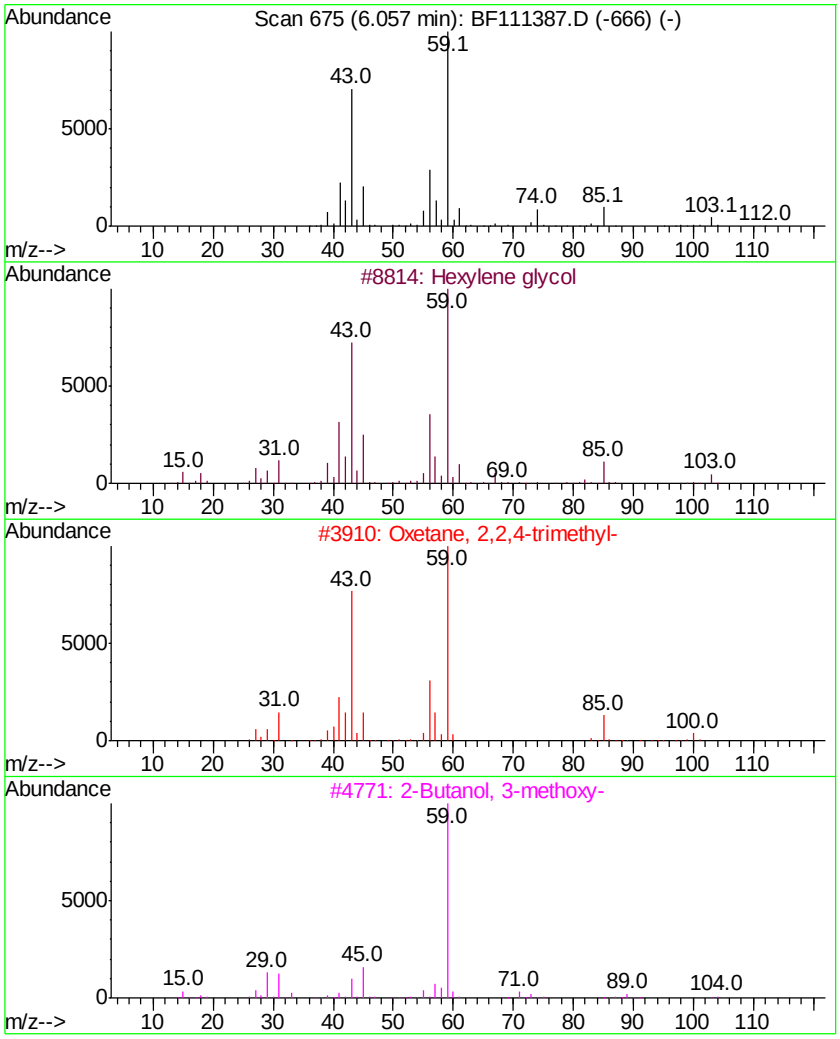
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

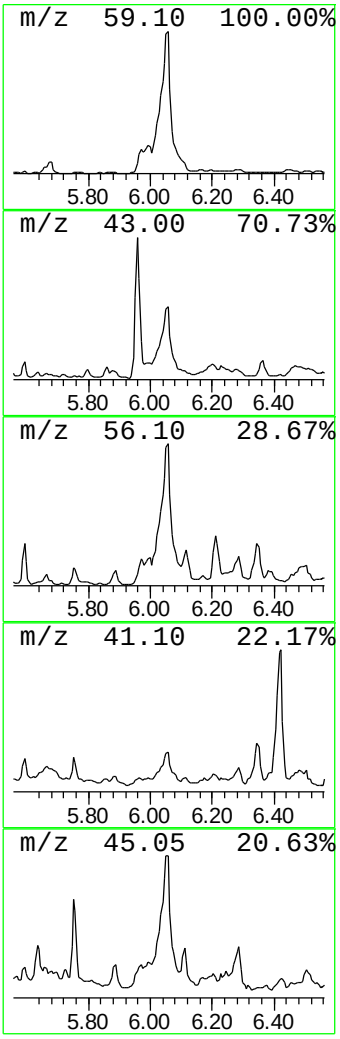
****

Peak Number 2 Hexylene glycol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	23.11 ng	2165540	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexylene glycol	118	C6H14O2	000107-41-5	90
2	Oxetane, 2,2,4-trimethyl-	100	C6H12O	023120-44-7	50
3	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	50
4	Pentanamide	101	C5H11NO	000626-97-1	47
5	dl-Erythro-O-methylthreonine	133	C5H11NO3	1000214-70-7	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
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Acq On : 13 Dec 2018 23:16
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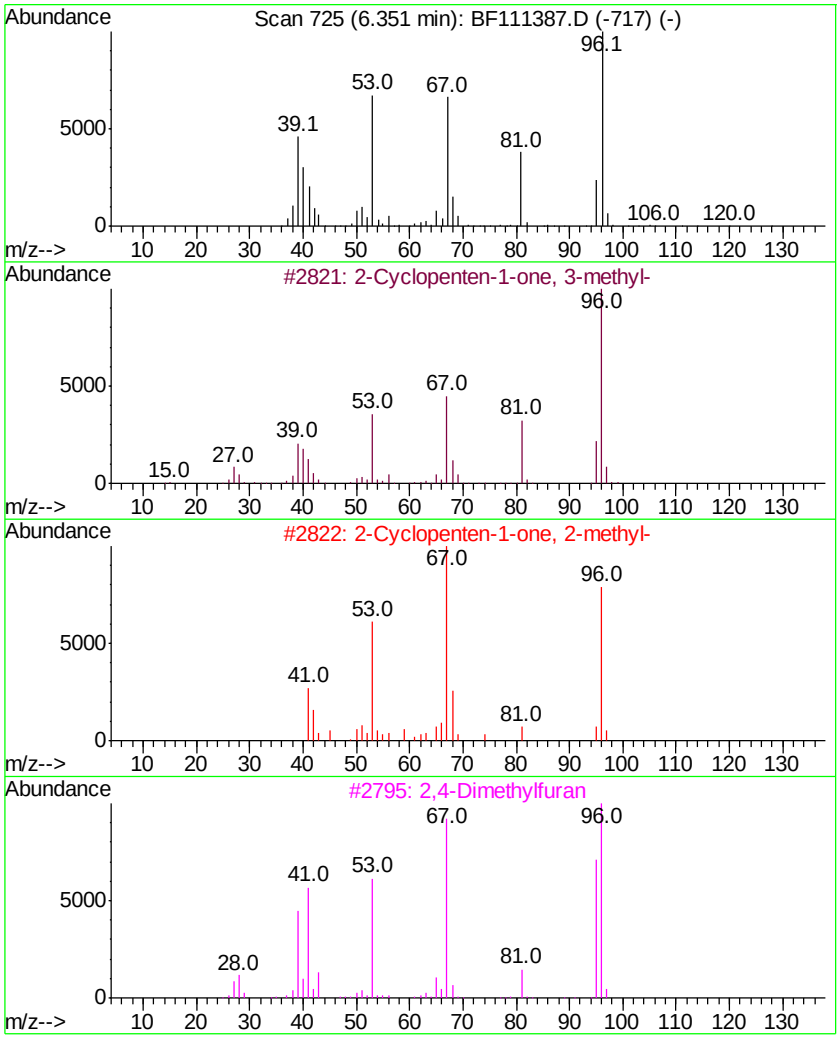
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

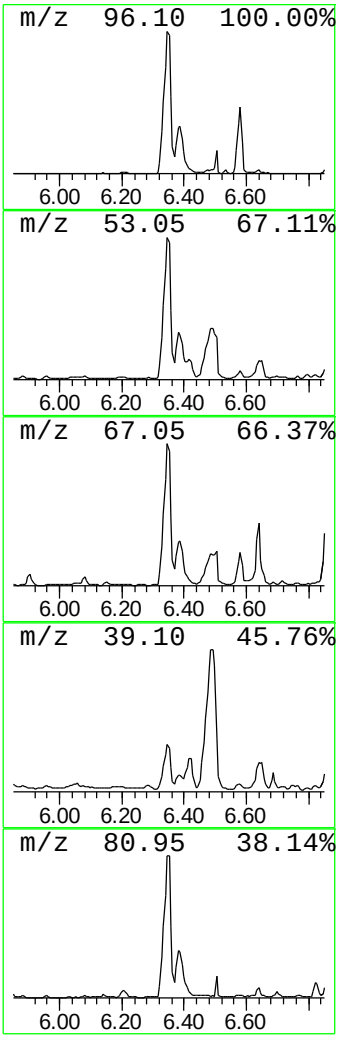
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Cyclopenten-1-one, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	34.33 ng	3216590	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 3-methyl-	96	C6H8O	002758-18-1	94
2	2-Cyclopenten-1-one, 2-methyl-	96	C6H8O	001120-73-6	90
3	2,4-Dimethylfuran	96	C6H8O	003710-43-8	86
4	1,3-Butadiene, 2-methyl-	68	C5H8	000078-79-5	52
5	1-Butyne, 3-methyl-	68	C5H8	000598-23-2	43





Library Search Compound Report

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Acq On : 13 Dec 2018 23:16
Operator : JU/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : P001-SW004-02

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

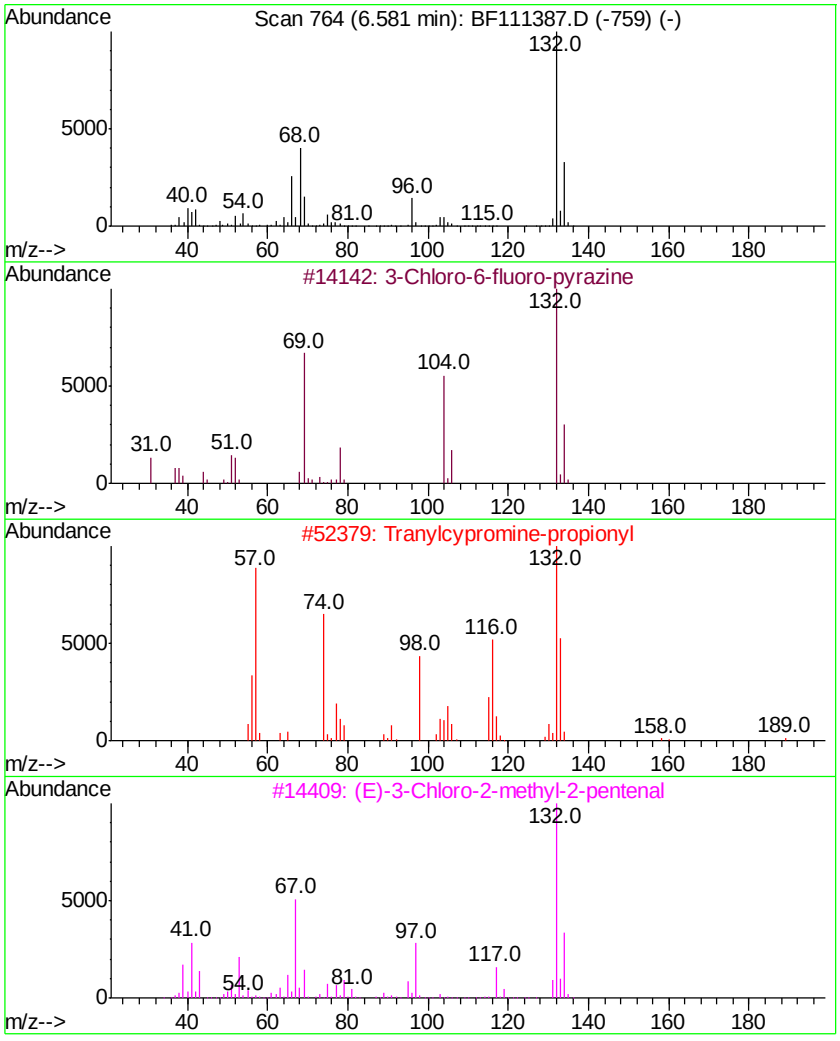
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

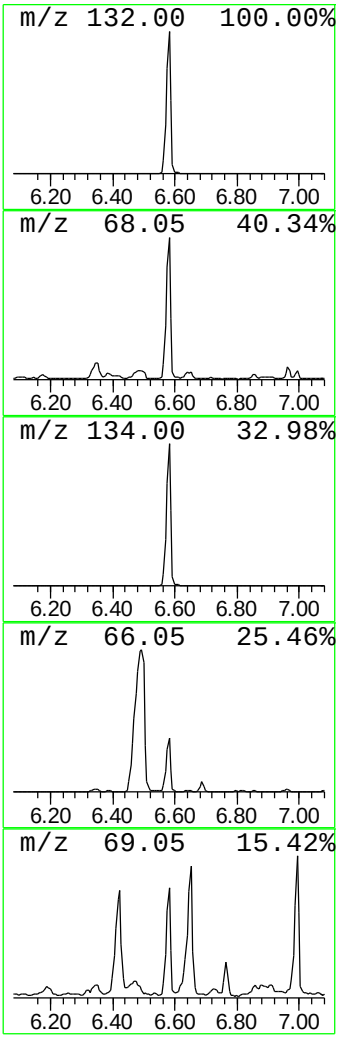
****

Peak Number 4 unknown6.58 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	48.02 ng	4499230	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111387.D
Acq On : 13 Dec 2018 23:16
Operator : JU/SJ
Sample : J6305-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW004-02

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

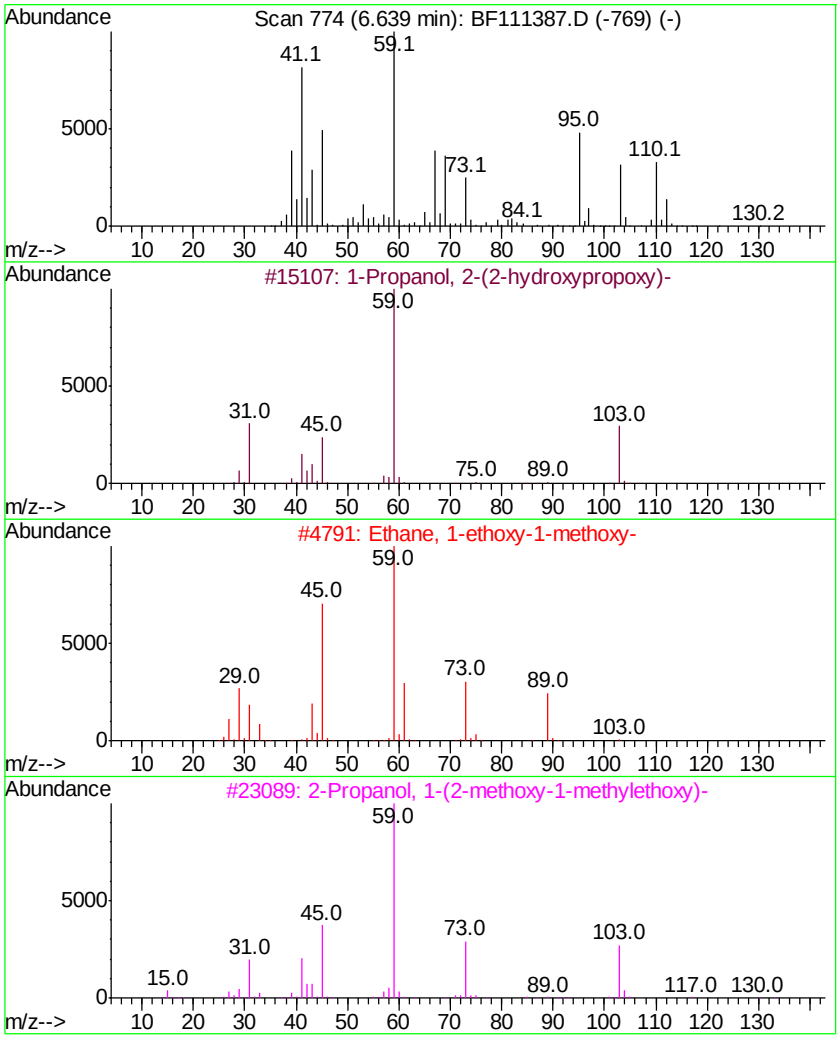
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

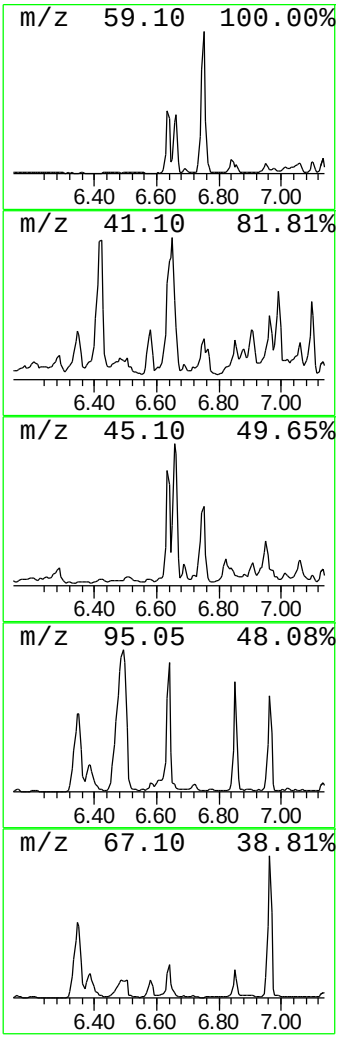
****

Peak Number 5 unknown6.64 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	21.44 ng	2008870	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	22
2	Ethane, 1-ethoxy-1-methoxy-	104	C5H12O2	010471-14-4	16
3	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	16
4	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	12
5	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	12





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Acq On : 13 Dec 2018 23:16
Operator : JU/SJ
Sample : J6305-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW004-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

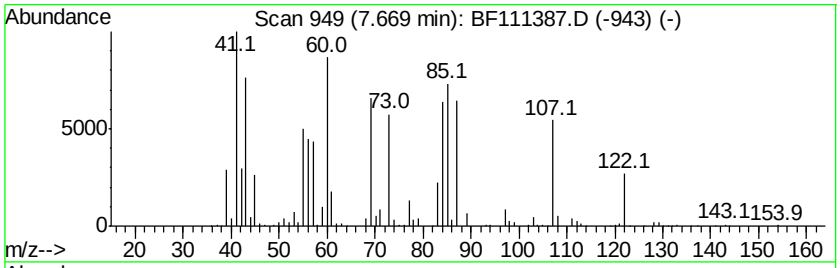
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

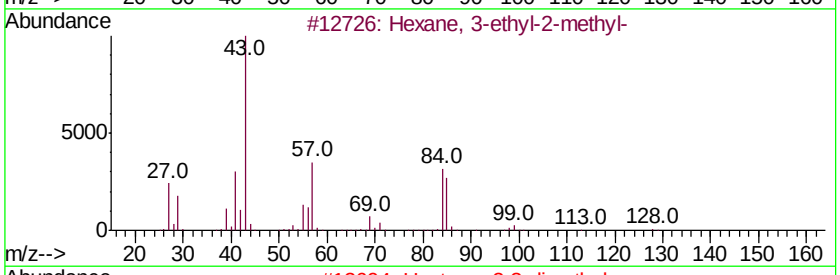
****

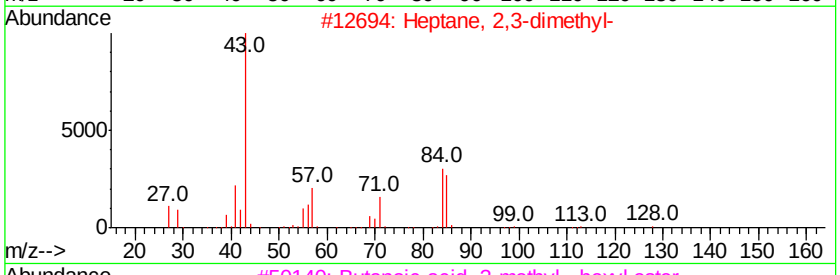
Peak Number 7 unknown7.67 Concentration Rank 18

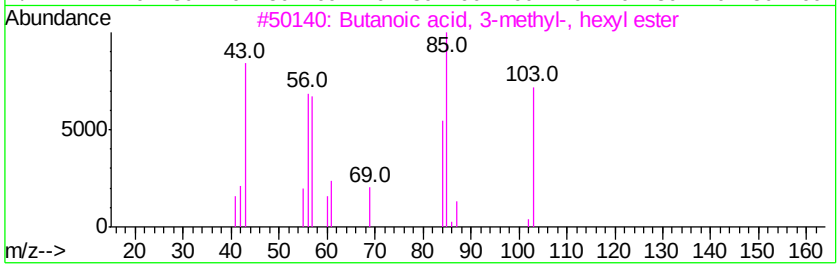
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.67	19.36 ng	3182190	Naphthalene-d8	8.08

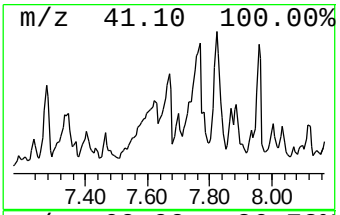
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	25
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	22
3	Butanoic acid, 3-methyl-, hexyl ...	186	C11H22O2	010032-13-0	16
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	12
5	.alpha.-Aminooxy-propionic acid,...	119	C4H9NO3	091666-48-7	12

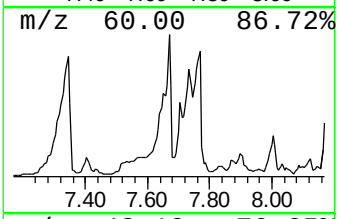


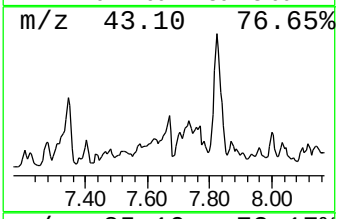


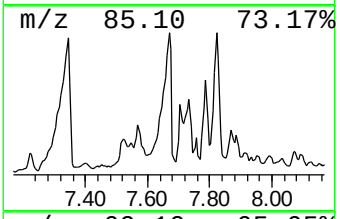


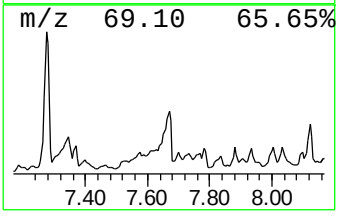












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Acq On : 13 Dec 2018 23:16
Operator : JU/SJ
Sample : J6305-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW004-02

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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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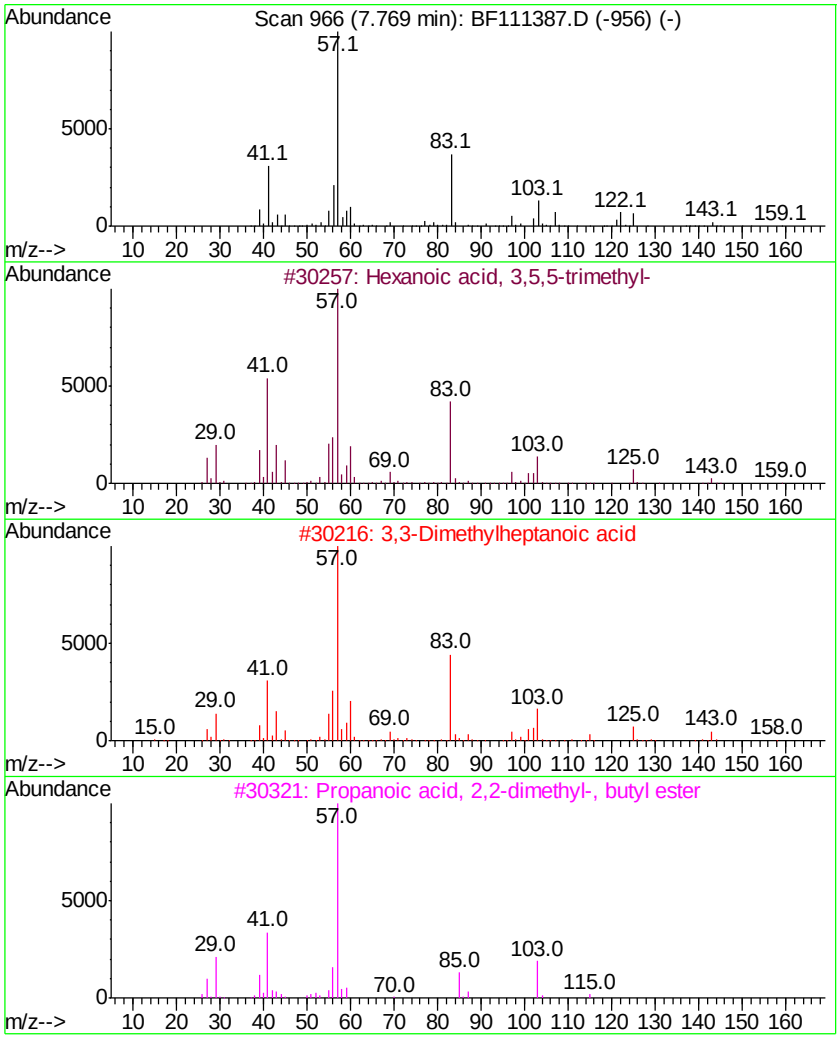
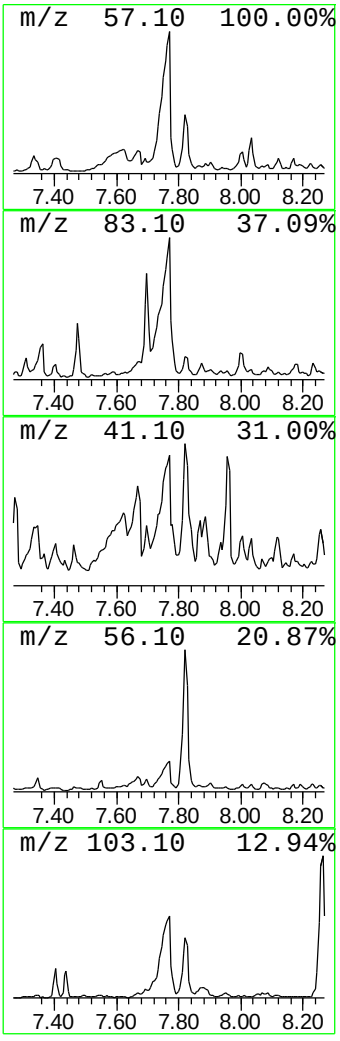
Peak Number 8 Hexanoic acid, 3,5,5-trimet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	39.36 ng	6471190	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	53
2	3,3-Dimethylheptanoic acid	158	C9H18O2	067061-30-7	39
3	Propanoic acid, 2,2-dimethyl-, b...	158	C9H18O2	005129-37-3	25
4	di-tert-Butyl acetylenedicarboxy...	226	C12H18O4	066086-33-7	25
5	Propanoic acid, 2,2-dimethyl-, h...	200	C12H24O2	017660-61-6	23





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Sample : J6305-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW004-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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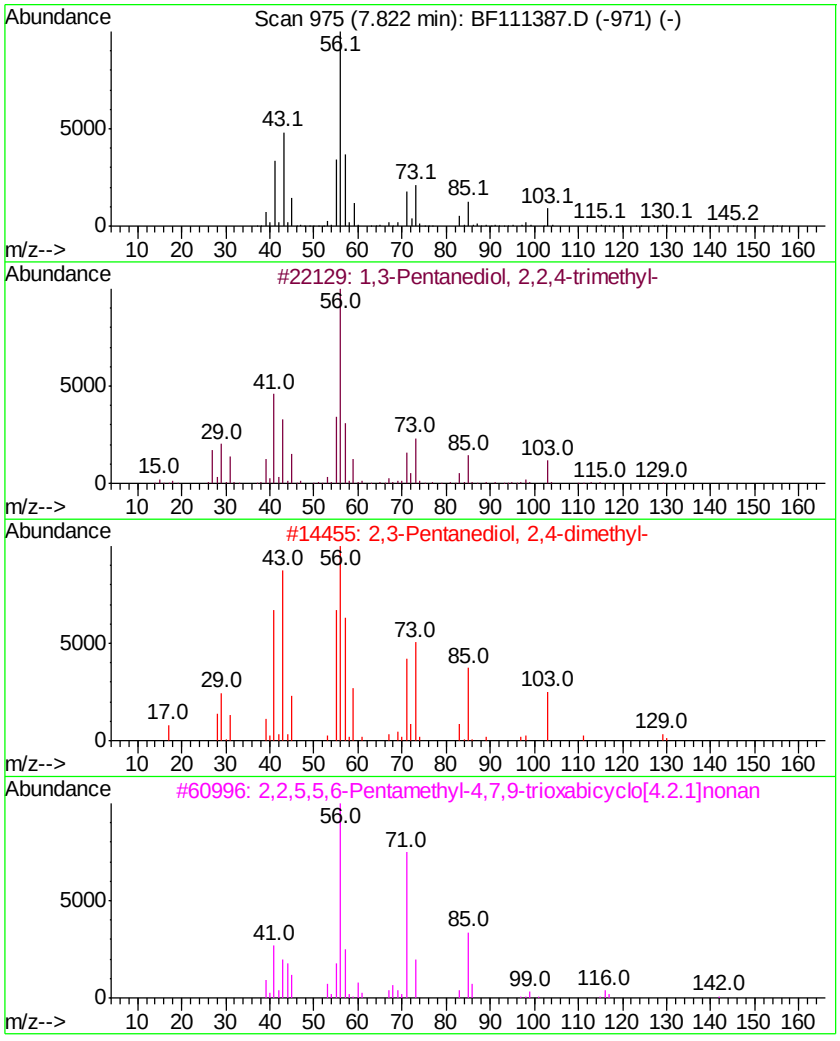
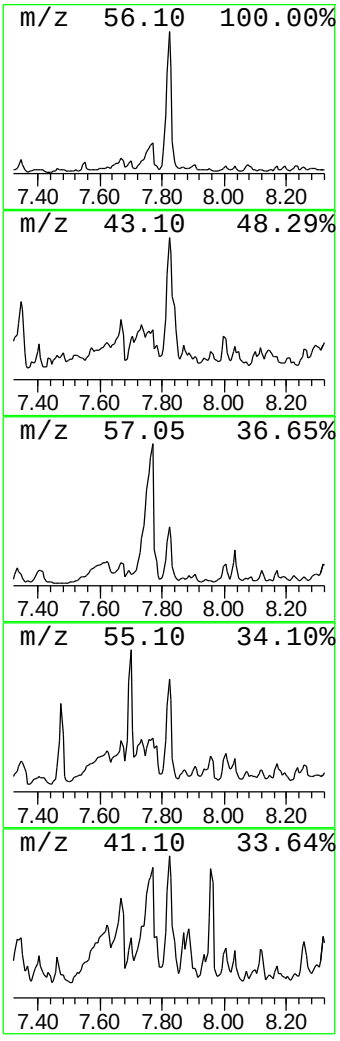
Peak Number 9 1,3-Pentanediol, 2,2,4-trim... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	25.93 ng	4262110	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Pentanediol, 2,2,4-trimethyl-	146	C8H18O2	000144-19-4	83
2	2,3-Pentanediol, 2,4-dimethyl-	132	C7H16O2	066225-53-4	40
3	2,2,5,5,6-Pentamethyl-4,7,9-trio...	200	C11H20O3	062759-70-0	36
4	1,3-Hexanediol, 2-ethyl-	146	C8H18O2	000094-96-2	36
5	Pentanal, 3-methyl-	100	C6H12O	015877-57-3	36





Library Search Compound Report

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ClientSampleId : P001-SW004-02

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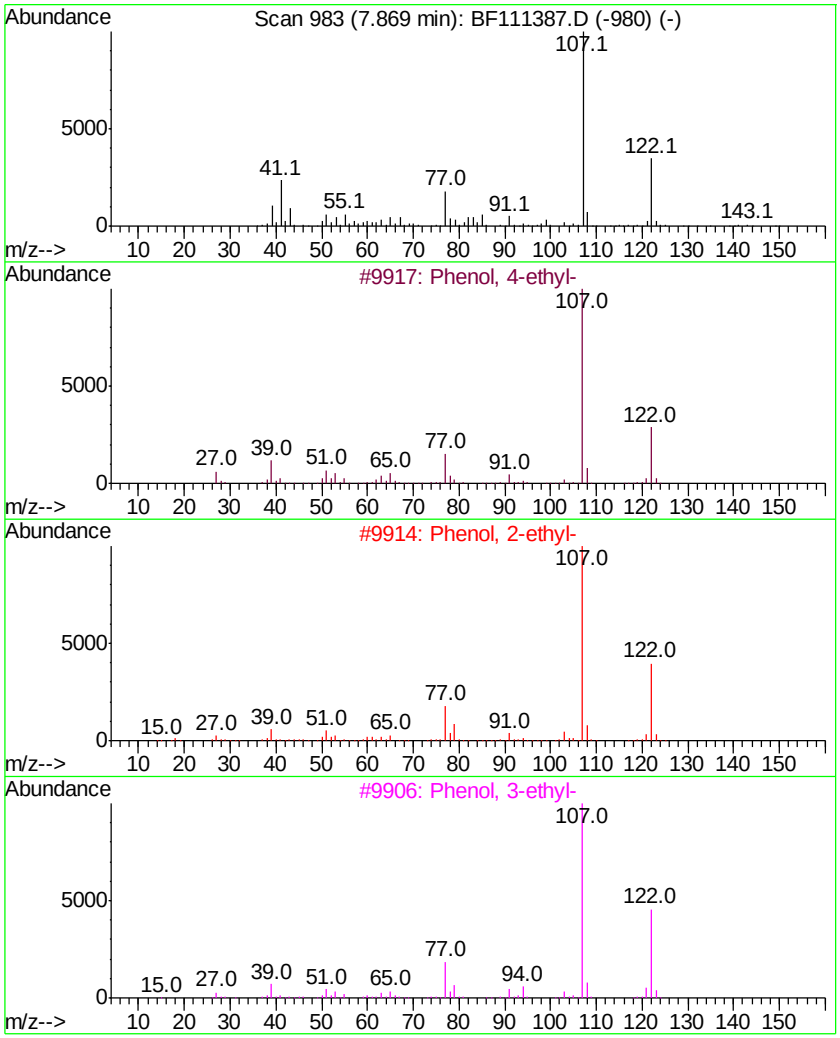
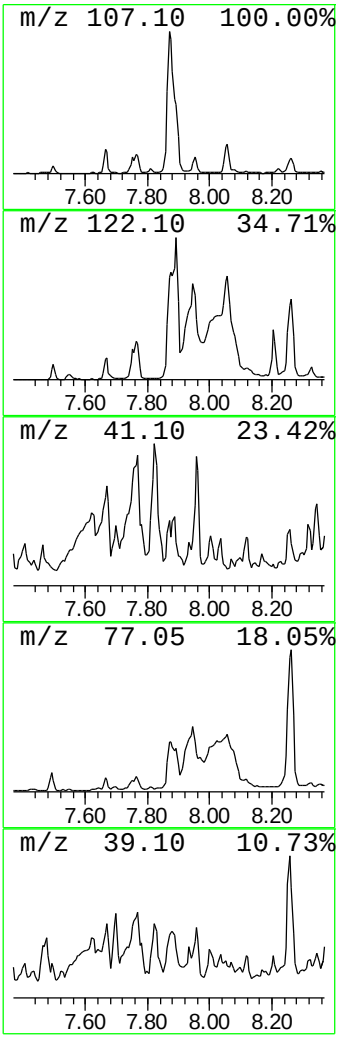
Peak Number 10 Phenol, 4-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	17.40 ng	2860560	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-ethyl-	122	C8H10O	000123-07-9	94
2	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	87
3	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	72
4	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	56
5	1,3-Cyclopentadiene, 5,5-dimethy...	122	C9H14	1000162-25-6	56





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ClientSampleId : P001-SW004-02

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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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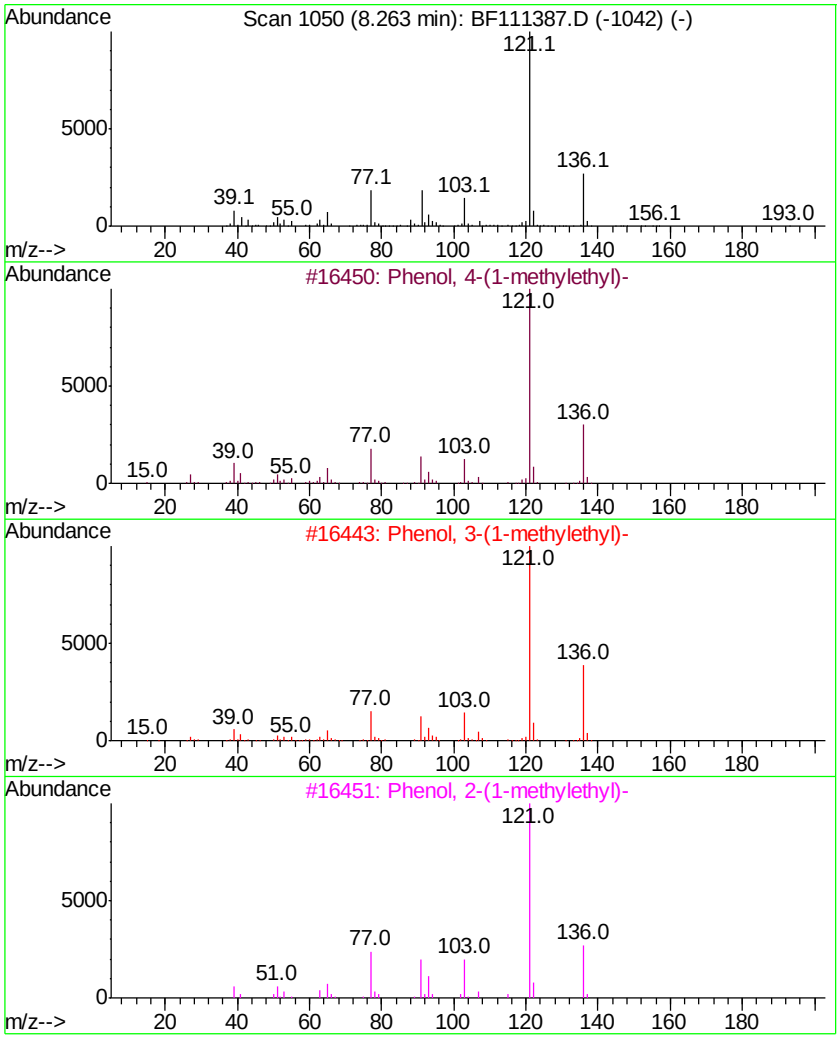
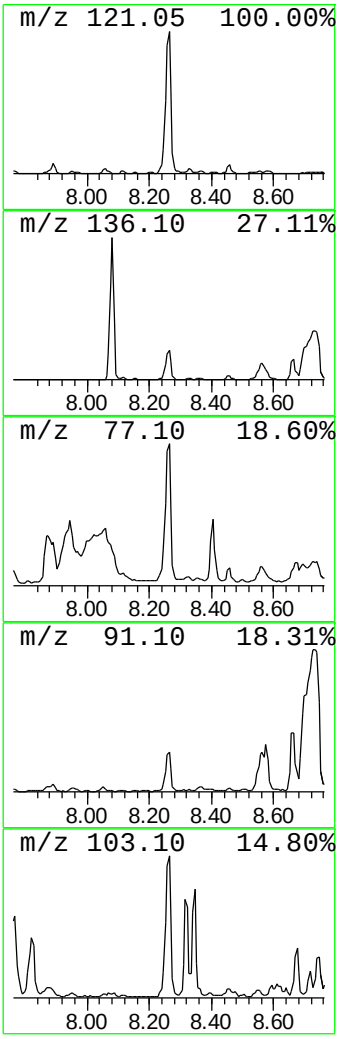
Peak Number 11 Phenol, 4-(1-methylethyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	27.69 ng	4551910	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1-methylethyl)-	136	C9H12O	000099-89-8	95
2	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	91
3	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	87
4	Phenol, 4-ethyl-2-methyl-	136	C9H12O	002219-73-0	86
5	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	86





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Sample : J6305-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW004-02

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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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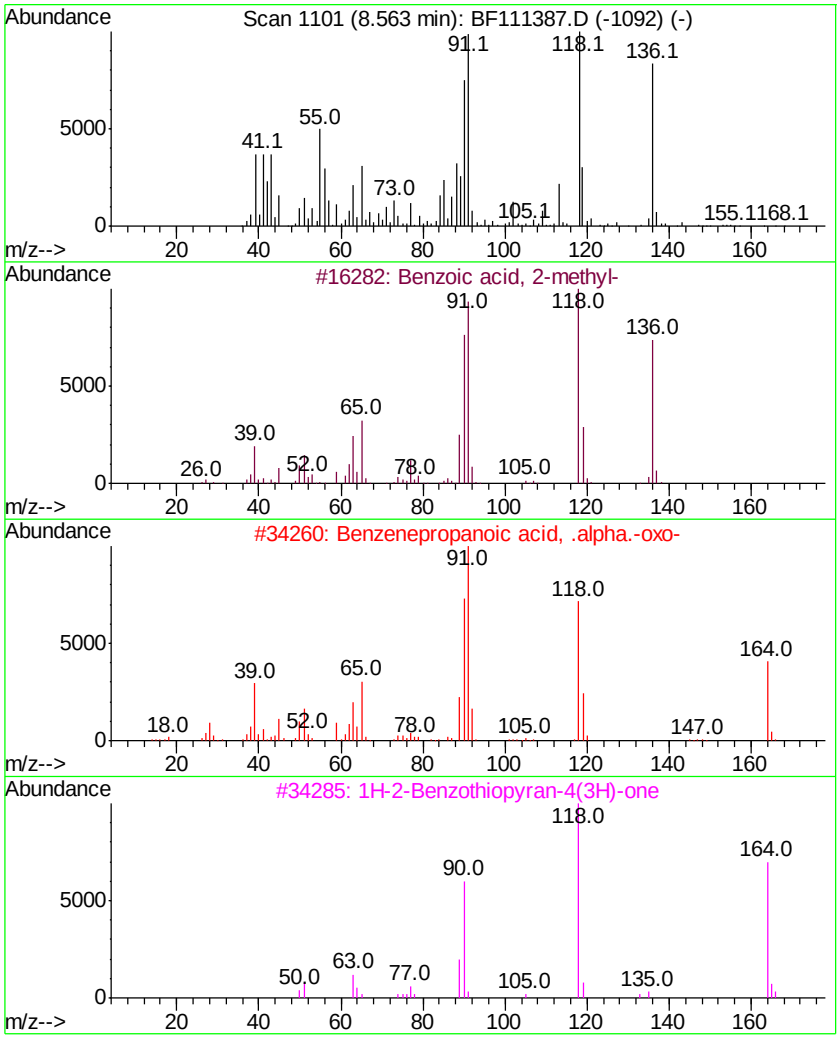
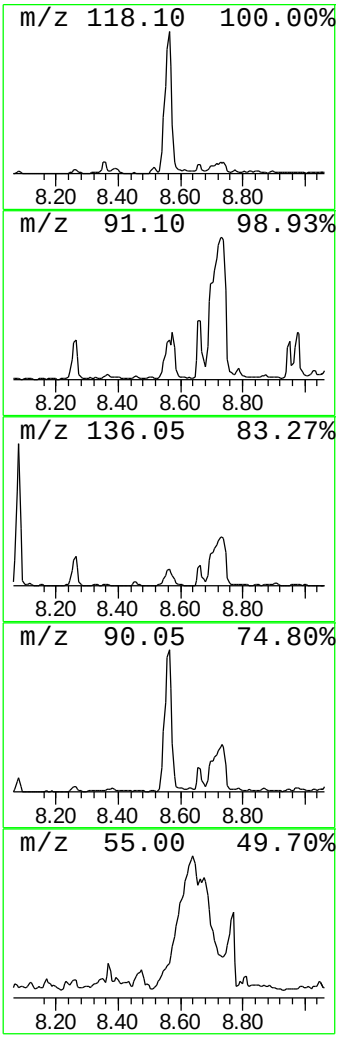
Peak Number 12 Benzoic acid, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.56	37.86 ng	6223890	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2-methyl-	136	C8H8O2	000118-90-1	98
2	Benzenepropanoic acid, .alpha.-oxo-	164	C9H8O3	000156-06-9	52
3	1H-2-Benzothiopyran-4(3H)-one	164	C9H8OS	004426-76-0	50
4	Bicyclo[4.1.0]hepta-1,3,5-triene	90	C7H6	004646-69-9	45
5	m-Dithiane, 1-oxide	136	C4H8OS2	016487-10-8	42





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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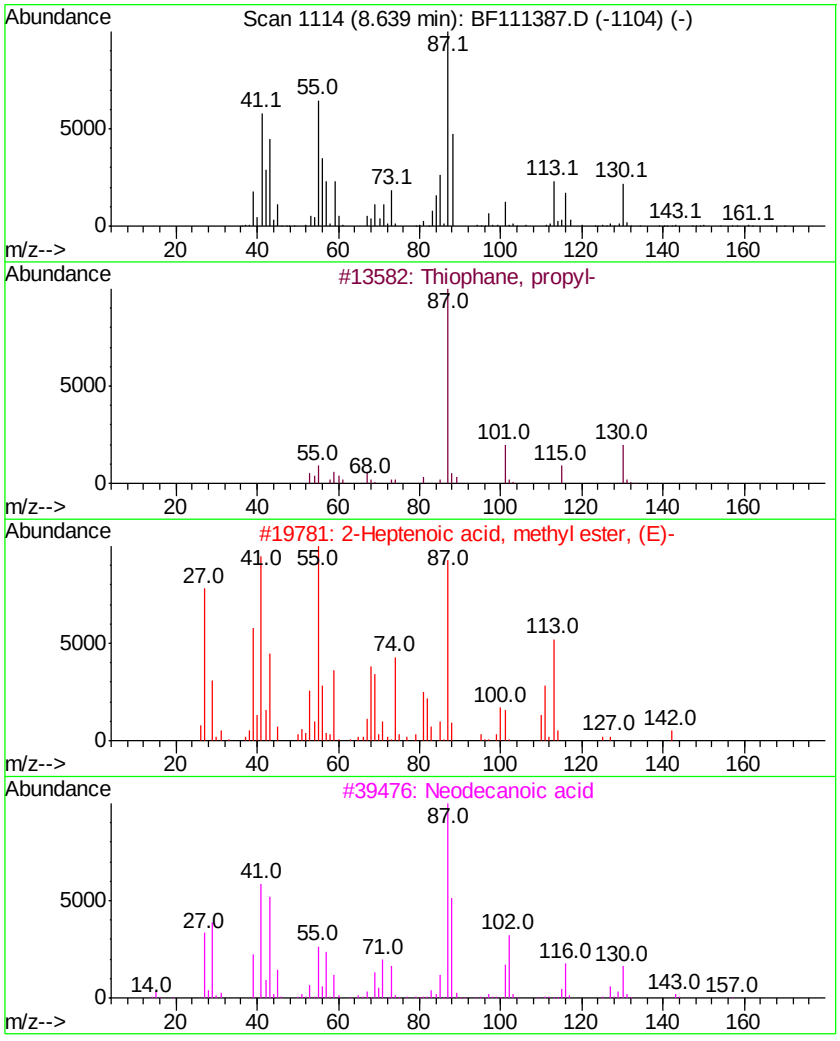
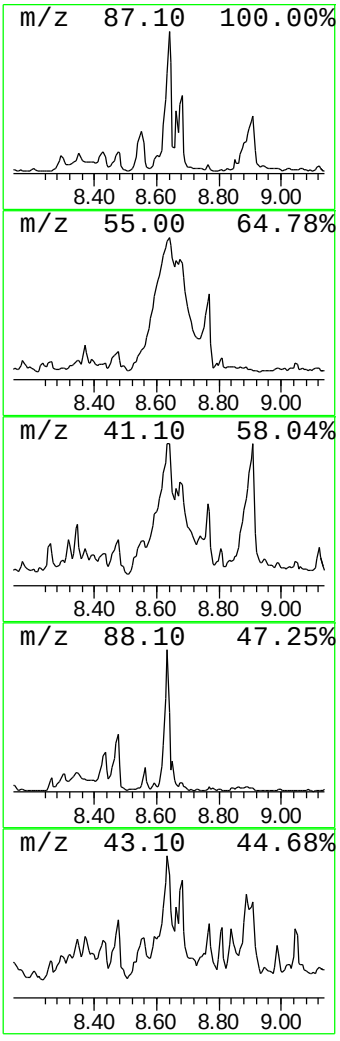
Peak Number 13 unknown8.64 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	38.17 ng	6274490	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophane, propyl-	130	C7H14S	001551-34-4	37
2	2-Heptenoic acid, methyl ester, ...	142	C8H14O2	038693-91-3	37
3	Neodecanoic acid	172	C10H20O2	026896-20-8	33
4	Hydrazine, 1-ethyl-1-(1-methylpr...	116	C6H16N2	020325-97-7	32
5	Methacrylic acid, hexadecyl ester	310	C20H38O2	1000340-29-2	28





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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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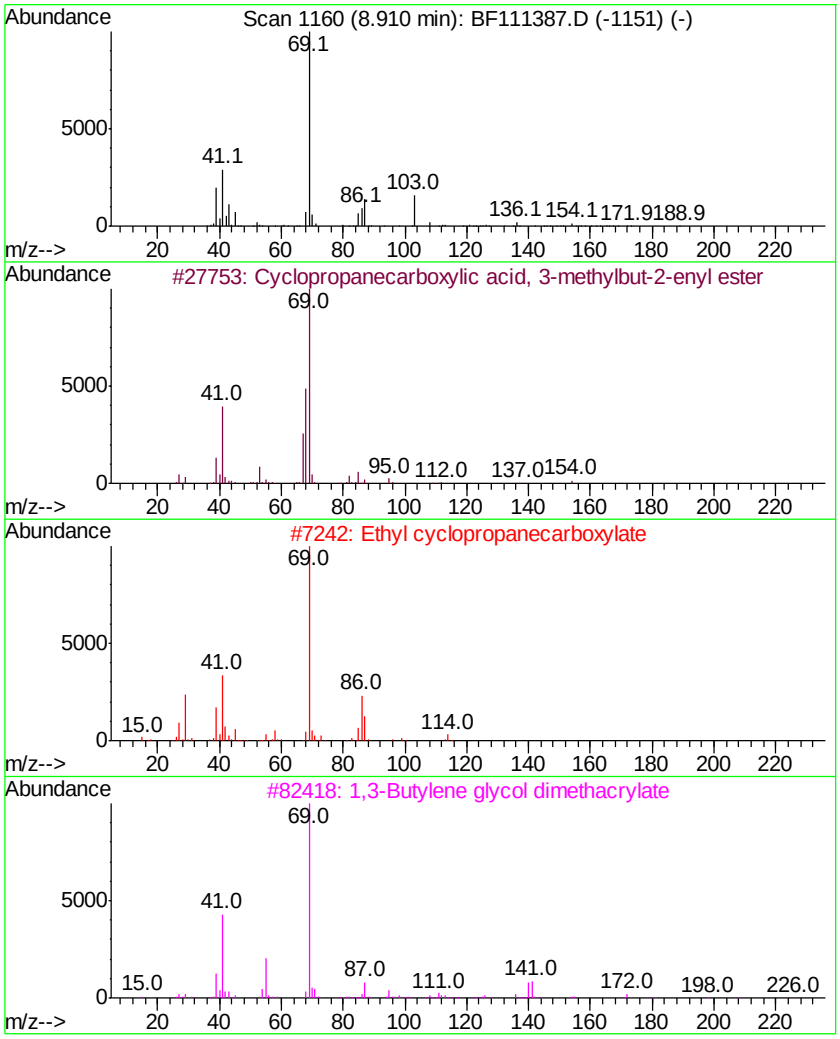
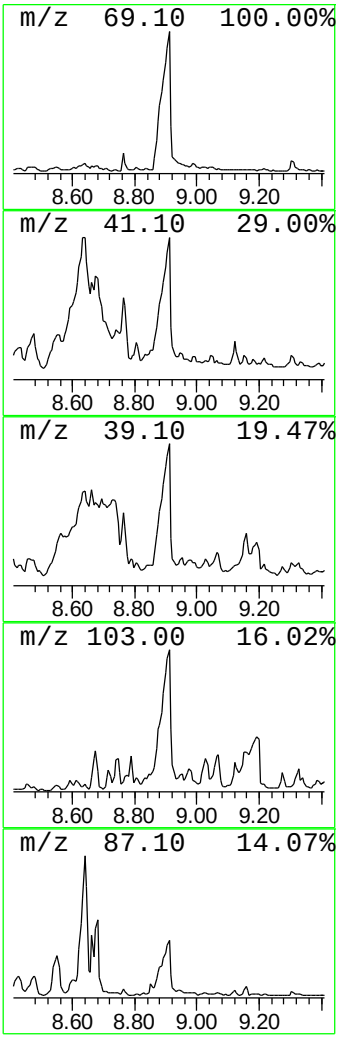
Peak Number 14 Cyclopropanecarboxylic acid... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	44.64 ng	7338070	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanecarboxylic acid, 3-m...	154	C9H14O2	1000299-37-4	53
2	Ethyl cyclopropanecarboxylate	114	C6H10O2	004606-07-9	50
3	1,3-Butylene glycol dimethacrylate	226	C12H18O4	001189-08-8	9
4	2-Butenoic acid, 2-propenylidene...	210	C11H14O4	055030-70-1	9
5	Cyclopentane, bromo-	148	C5H9Br	000137-43-9	9





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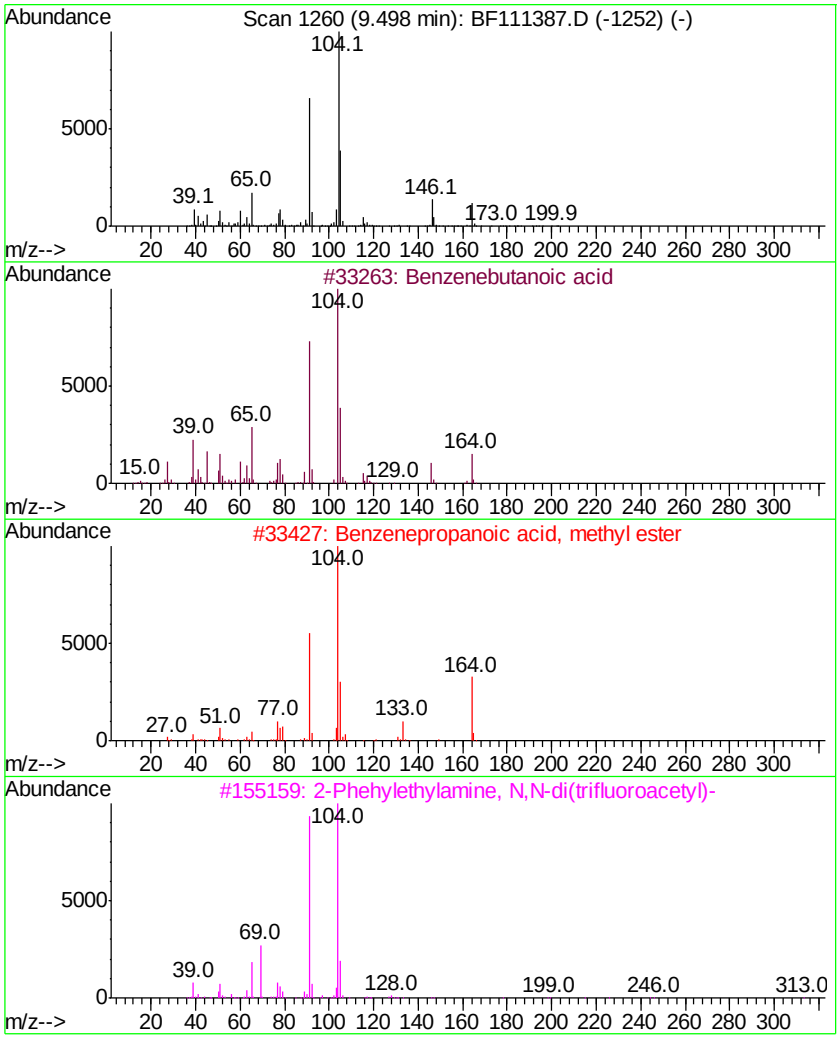
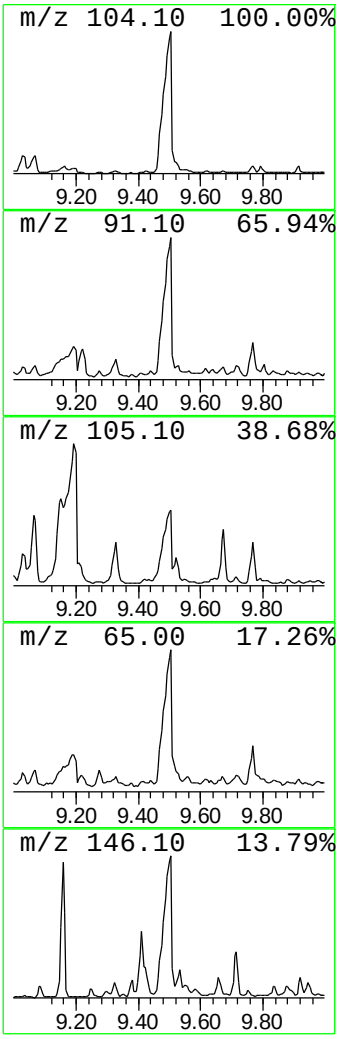
Peak Number 15 Benzenebutanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	45.55 ng	6798700	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenebutanoic acid	164	C10H12O2	001821-12-1	90
2	Benzenepropanoic acid, methyl ester	164	C10H12O2	000103-25-3	80
3	2-Phehylethylamine, N,N-di(trifl...	313	C12H9F6NO2	1000328-32-5	64
4	m-Toluic acid, 2-phenylethyl ester	240	C16H16O2	006641-74-3	59
5	Propanamide, 2,2,3,3,3-pentafluo...	267	C11H10F5NO	013230-93-8	59





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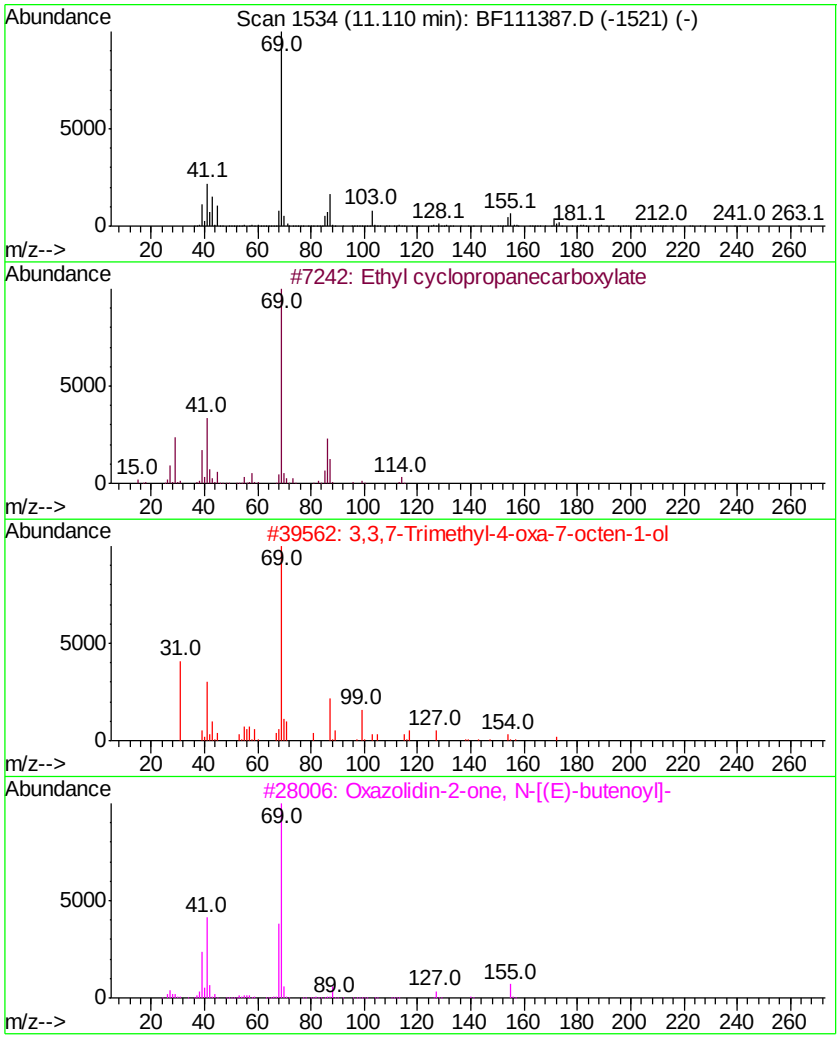
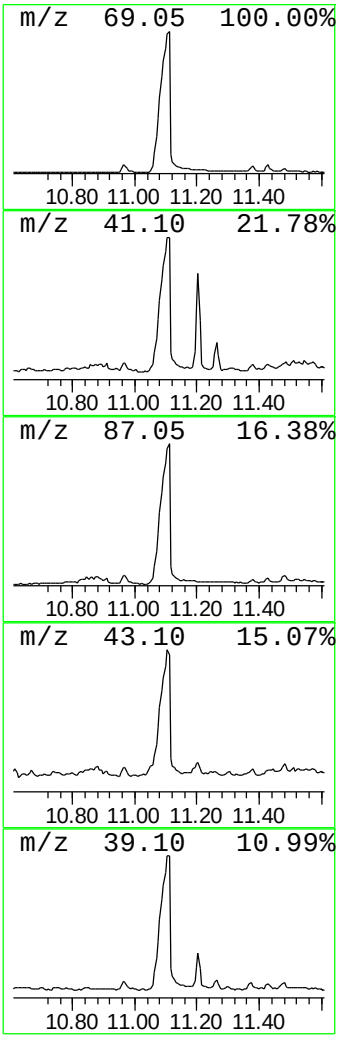
Peak Number 16 unknown11.11 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	131.54 ng	12463200	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl cyclopropanecarboxylate	114	C6H10O2	004606-07-9	38
2	3,3,7-Trimethyl-4-oxa-7-octen-1-ol	172	C10H20O2	069161-47-3	38
3	Oxazolidin-2-one, N-[(E)-butenoyl]-	155	C7H9NO3	1000156-45-5	33
4	Oxazolidin-2-one, N-[(Z)-butenoyl]-	155	C7H9NO3	1000156-45-4	9
5	Cyclopropanecarboxylic acid,buty...	142	C8H14O2	054947-39-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111387.D
Acq On : 13 Dec 2018 23:16
Operator : JU/SJ
Sample : J6305-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW004-02

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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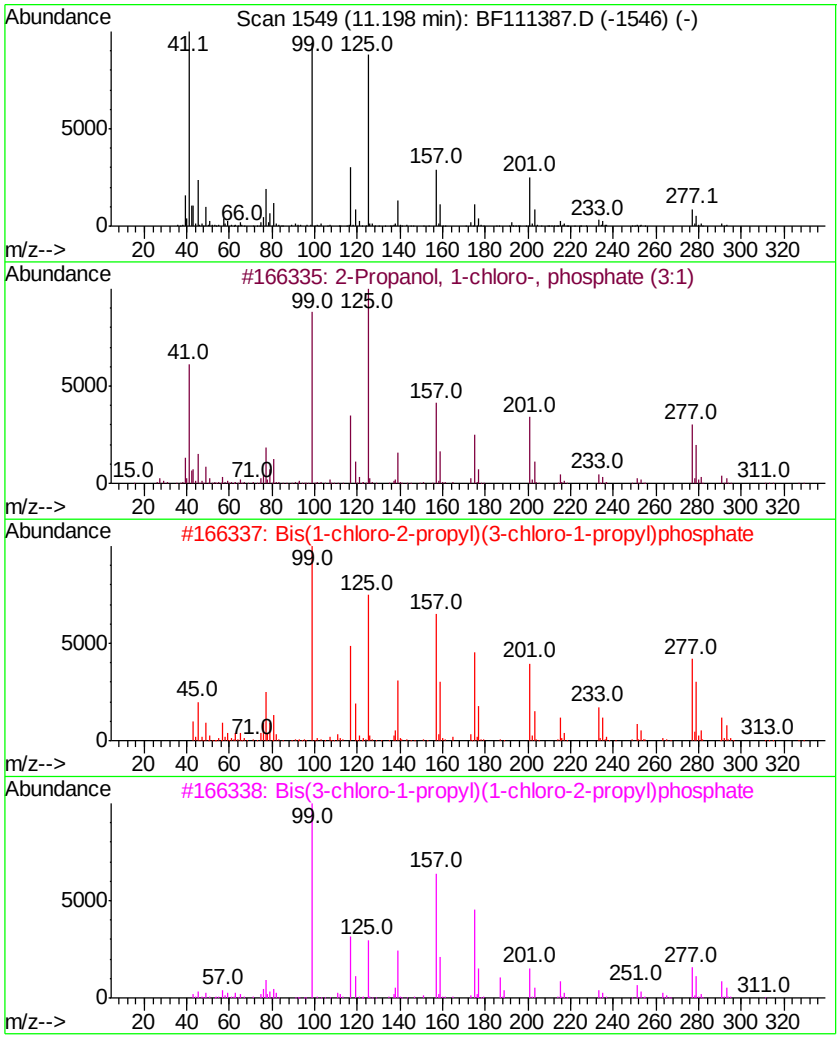
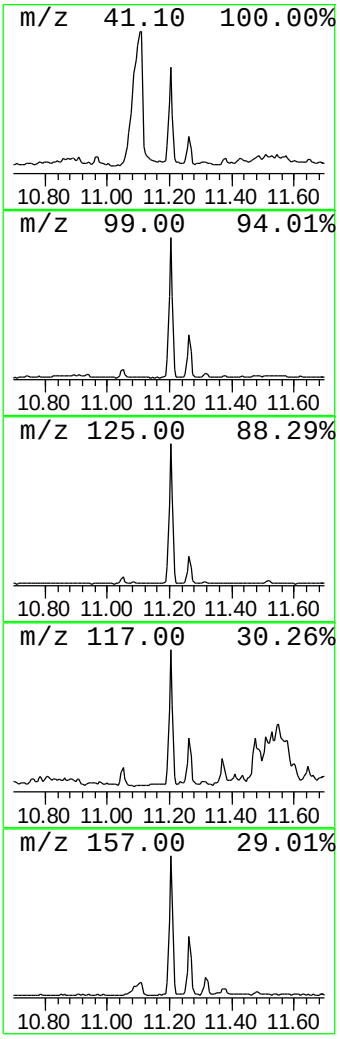
Peak Number 17 2-Propanol, 1-chloro-, phos... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	24.44 ng	2315270	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	50
2	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	46
3	Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	25
4	Tris(3-chloropropyl) phosphate	326	C9H18Cl3O4P	001067-98-7	25
5	4-Chloro-2-nitrobenzoic acid	201	C7H4ClNO4	006280-88-2	10





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Sample : J6305-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW004-02

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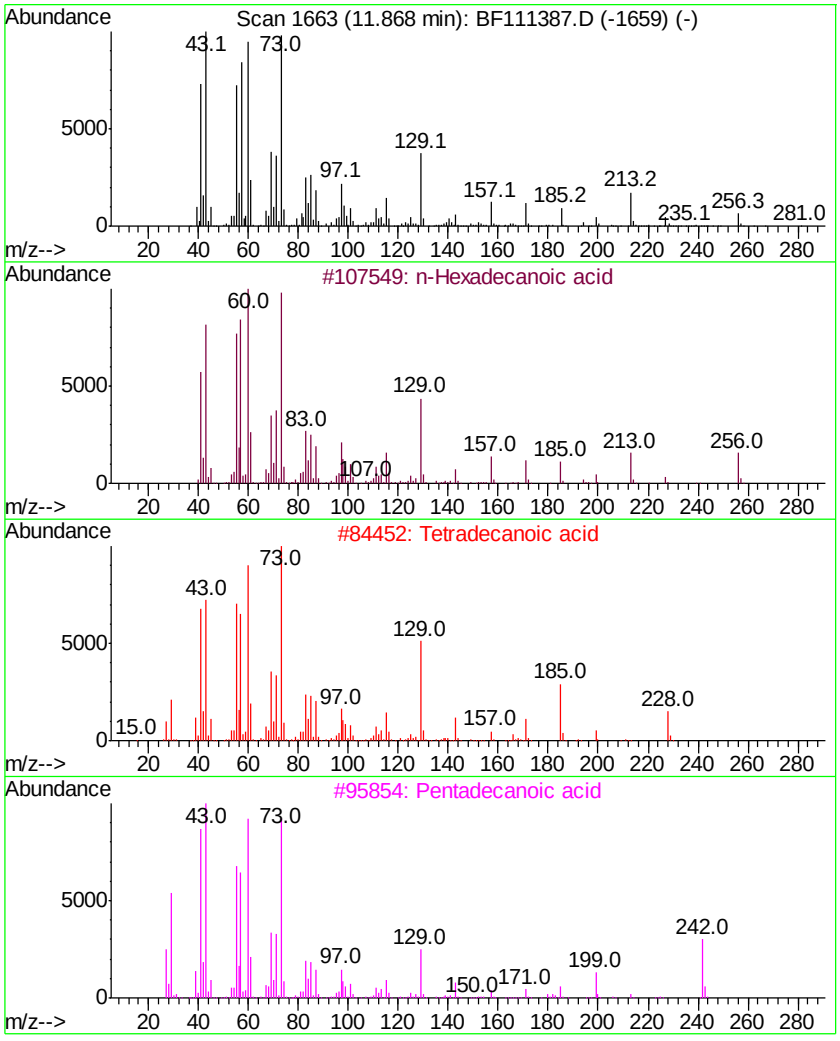
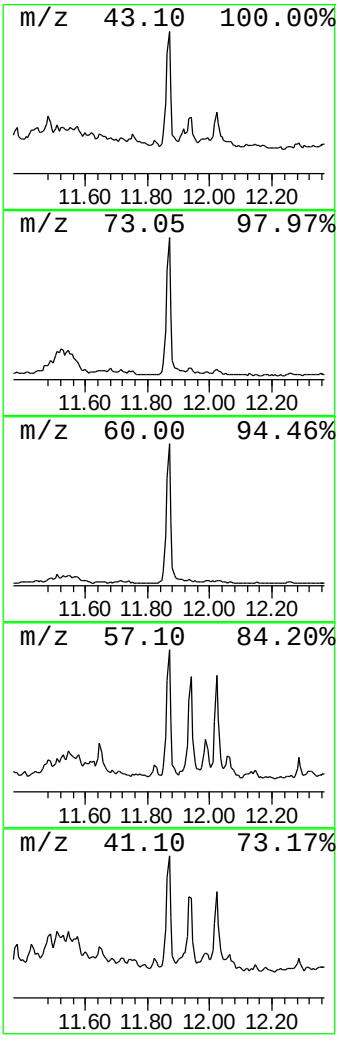
****

Peak Number 18 n-Hexadecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	18.66 ng	1768100	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	86
4	Tridecanoic acid	214	C13H26O2	000638-53-9	81
5	Undecanoic acid	186	C11H22O2	000112-37-8	62





Library Search Compound Report

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Data File : BF111387.D
Acq On : 13 Dec 2018 23:16
Operator : JU/SJ
Sample : J6305-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW004-02

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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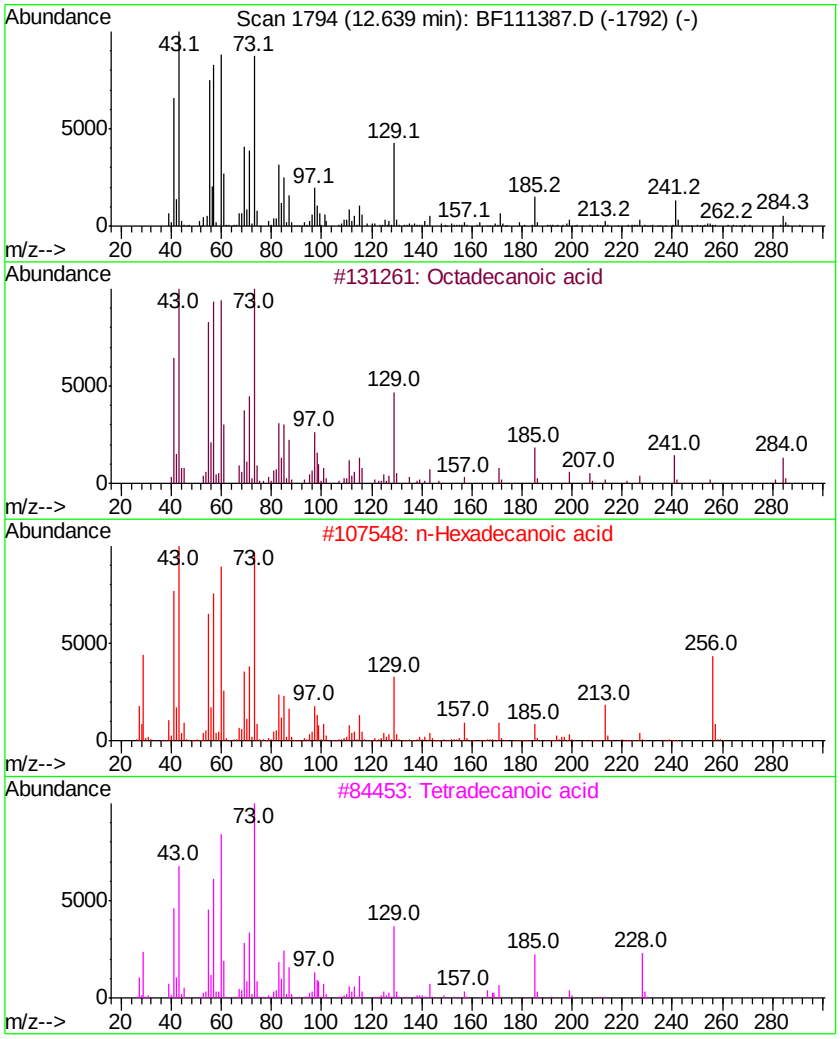
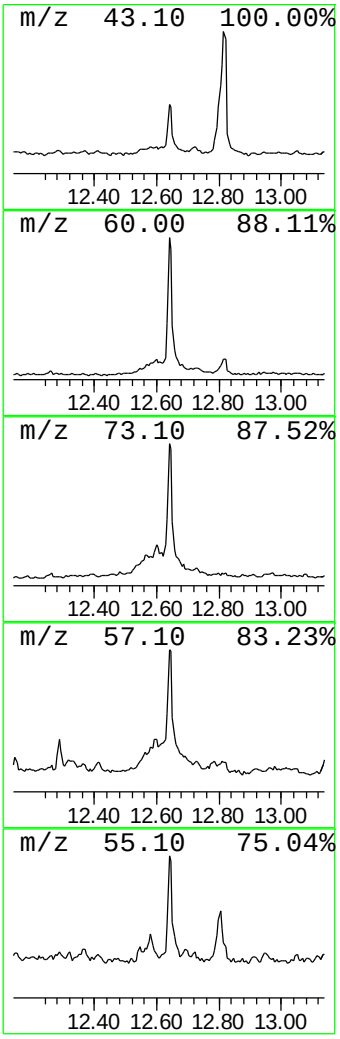
Peak Number 19 Octadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	21.17 ng	1508520	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	n-Decanoic acid	172	C10H20O2	000334-48-5	60
5	Oxalic acid, propyl tetradecyl e...	328	C19H36O4	1000309-26-7	30





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Misc :
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Instrument : BNA_F
ClientSampleId : P001-SW004-02

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

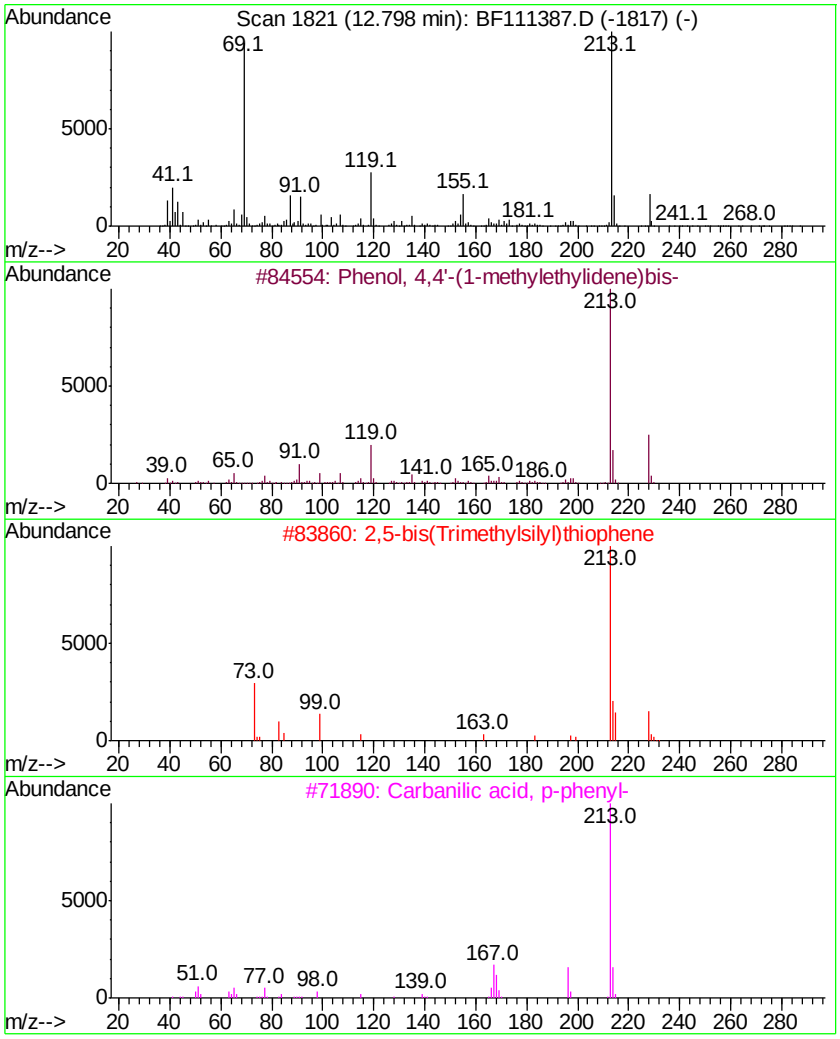
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

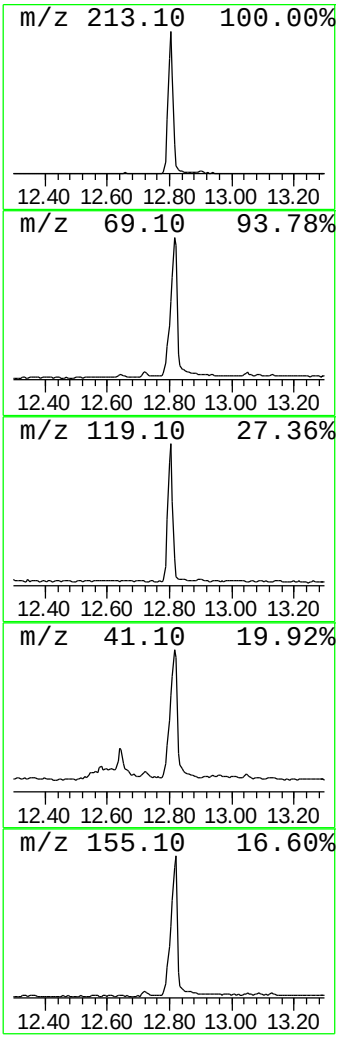
****

Peak Number 20 Phenol, 4,4'-(1-methylethyl... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	99.00 ng	7054900	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	95
2	2,5-bis(Trimethylsilyl)thiophene	228	C10H20SSi2	017906-71-7	40
3	Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	27
4	2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	27
5	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121318\
Data File : BF111387.D
Acq On : 13 Dec 2018 23:16
Operator : JU/SJ
Sample : J6305-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SW004-02

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-Pentanone, 4-hy...	5.01	22.3	ng	2091850	1	6.80	1874090	20.0
Hexylene glycol	6.06	23.1	ng	2165540	1	6.80	1874090	20.0
2-Cyclopenten-1-o...	6.35	34.3	ng	3216590	1	6.80	1874090	20.0
unknown6.58	6.58	48.0	ng	4499230	1	6.80	1874090	20.0
unknown6.64	6.64	21.4	ng	2008870	1	6.80	1874090	20.0
unknown7.67	7.67	19.4	ng	3182190	2	8.08	3287950	20.0
Hexanoic acid, 3,...	7.77	39.4	ng	6471190	2	8.08	3287950	20.0
1,3-Pentanediol, ...	7.82	25.9	ng	4262110	2	8.08	3287950	20.0
Phenol, 4-ethyl-	7.87	17.4	ng	2860560	2	8.08	3287950	20.0
Phenol, 4-(1-meth...	8.26	27.7	ng	4551910	2	8.08	3287950	20.0
Benzoic acid, 2-m...	8.56	37.9	ng	6223890	2	8.08	3287950	20.0
unknown8.64	8.64	38.2	ng	6274490	2	8.08	3287950	20.0
Cyclopropanecarbo...	8.91	44.6	ng	7338070	2	8.08	3287950	20.0
Benzenebutanoic acid	9.50	45.5	ng	6798700	3	9.83	2985300	20.0
unknown11.11	11.11	131.5	ng	12463200	4	11.32	1894940	20.0
2-Propanol, 1-chl...	11.20	24.4	ng	2315270	4	11.32	1894940	20.0
n-Hexadecanoic acid	11.87	18.7	ng	1768100	4	11.32	1894940	20.0
Octadecanoic acid	12.64	21.2	ng	1508520	5	13.95	1425200	20.0
Phenol, 4,4'-(1-m...	12.80	99.0	ng	7054900	5	13.95	1425200	20.0