LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111544.D
Acq On : 17 Dec 2018 17:41
Operator : JU/SJ
Sample : J6440-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

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-BF121418.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	4.381	376	390	392	rVB2	38581	143407	2.72%	0.222%
2	4.999	490	495	500	rBV	335468	401048	7.61%	0.622%
3	5.428	564	568	577	rVB	3366199	3325429	63.12%	5.154%
4	5.546	579	588	592	rVB2	56438	103732	1.97%	0.161%
5	5.616	597	600	602	rBV	109123	97127	1.84%	0.151%
6	5.740	617	621	628	rVB	184202	166497	3.16%	0.258%
7	5.957	650	658	662	rBV	496188	770187	14.62%	1.194%
8	6.028	665	670	675	rVV	782656	953523	18.10%	1.478%
9	6.098	677	682	687	rVB2	57496	129070	2.45%	0.200%
10	6.440	733	740	750	rVB	3474938	3327290	63.15%	5.157%
11	6.569	757	762	767	rBV	4250214	4348678	82.54%	6.740%
12	6.610	767	769	774	rVB	140101	142102	2.70%	0.220%
13	6.787	795	799	803	rBV	1391894	1122018	21.30%	1.739%
14	6.857	807	811	816	rVV	1261106	1056248	20.05%	1.637%
15	6.945	821	826	829	rVV	4111523	3634624	68.99%	5.634%
16	6.975	829	831	840	rVV	123379	151146	2.87%	0.234%
17	7.051	840	844	850	rVB2	50217	65295	1.24%	0.101%
18	7.204	862	870	877	rBV2	204197	321812	6.11%	0.499%
19	7.310	885	888	889	rBV	102256	101979	1.94%	0.158%
20	7.345	889	894	898	rVB2	2690354	3422814	64.97%	5.305%
21	7.469	906	915	917	rBV	238970	450508	8.55%	0.698%
22	7.528	917	925	927	rVV	707601	1329019	25.23%	2.060%
23	7.575	930	933	936	rVB	93164	73755	1.40%	0.114%
24	7.751	956	963	968	rBV7	70763	177273	3.36%	0.275%
25	7.834	970	977	980	rVV2	190021	292293	5.55%	0.453%
26	7.875	980	984	988	rVB	105141	126960	2.41%	0.197%
27	7.987	997	1003	1006	rBV	3452238	3955348	75.08%	6.131%
28	8.028	1008	1010	1013	rVV2	171596	208922	3.97%	0.324%
29	8.069	1013	1017	1024	rVV	1715665	1608485	30.53%	2.493%
30	8.157	1024	1032	1035	rVV	877288	1135618	21.55%	1.760%
31	8.198	1036	1039	1042	rVV2	67628	70613	1.34%	0.109%
32	8.239	1042	1046	1052	rVB5	68926	95871	1.82%	0.149%
33	8.292	1052	1055	1057	rBV2	51557	67191	1.28%	0.104%
34	8.334	1059	1062	1067	rVB2	78484	126319	2.40%	0.196%

LSC Area Percent Report

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Data File : BF111544.D
Acq On : 17 Dec 2018 17:41
Operator : JU/SJ
Sample : J6440-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

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-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.381	1067	1070	1075	rVB2	85007	89558	1.70%	0.139%
36	8.428	1075	1078	1084	rVB3	139151	158937	3.02%	0.246%
37	8.487	1084	1088	1090	rBV3	48577	57923	1.10%	0.090%
38	8.604	1101	1108	1112	rBV2	300718	352128	6.68%	0.546%
39	8.657	1112	1117	1121	rVV2	573438	560578	10.64%	0.869%
40	8.992	1171	1174	1180	rVB4	48471	67939	1.29%	0.105%
41	9.045	1180	1183	1188	rBV2	98253	125309	2.38%	0.194%
42	9.145	1194	1200	1203	rBV	5427751	5268519	100.00%	8.166%
43	9.204	1207	1210	1212	rVV2	103623	103802	1.97%	0.161%
44	9.245	1215	1217	1222	rVV4	67049	99574	1.89%	0.154%
45	9.304	1222	1227	1234	rVB4	152483	266512	5.06%	0.413%
46	9.445	1249	1251	1255	rVV	80222	61502	1.17%	0.095%
47	9.510	1258	1262	1264	rBV3	81328	82961	1.57%	0.129%
48	9.539	1264	1267	1269	rVV	555368	450021	8.54%	0.698%
49	9.592	1273	1276	1279	rVB2	81797	89030	1.69%	0.138%
50	9.745	1300	1302	1309	rVB5	43658	59583	1.13%	0.092%
51	9.822	1309	1315	1319	rBV	1751402	1636314	31.06%	2.536%
52	9.928	1329	1333	1335	rBV	335002	304647	5.78%	0.472%
53	10.034	1348	1351	1354	rVB2	84786	81635	1.55%	0.127%
54	10.204	1376	1380	1383	rBV3	72187	77360	1.47%	0.120%
55	10.304	1394	1397	1400	rBV	81415	83396	1.58%	0.129%
56	10.357	1403	1406	1409	rVB3	61123	61688	1.17%	0.096%
57	10.481	1424	1427	1430	rVB2	64784	59888	1.14%	0.093%
58	10.616	1445	1450	1453	rBV	3149634	2997727	56.90%	4.646%
59	10.663	1456	1458	1460	rVV	100849	105102	1.99%	0.163%
60	10.722	1464	1468	1479	rVB	367492	498559	9.46%	0.773%
61	10.839	1485	1488	1491	rBV	108952	105894	2.01%	0.164%
62	10.898	1494	1498	1501	rVV	423446	356744	6.77%	0.553%
63	10.933	1501	1504	1510	rVB	104811	109158	2.07%	0.169%
64	11.092	1528	1531	1534	rBV	165395	134758	2.56%	0.209%
65	11.163	1539	1543	1545	rBV	198478	193471	3.67%	0.300%
66	11.310	1563	1568	1571	rBV	1625300	1539320	29.22%	2.386%
67	11.457	1589	1593	1602	rVB4	112028	170989	3.25%	0.265%
68	11.610	1617	1619	1622	rBV	156675	132614	2.52%	0.206%
69	11.839	1653	1658	1661	rBV	353522	364704	6.92%	0.565%
70	11.869	1661	1663	1669	rVB2	115946	141218	2.68%	0.219%
71	12.292	1730	1735	1745	rBV	1250393	1532121	29.08%	2.375%

LSC Area Percent Report

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Sample : J6440-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

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-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.580	1781	1784	1787	rVB	831639	646362	12.27%	1.002%
73	12.627	1788	1792	1796	rBV	152489	151255	2.87%	0.234%
74	12.898	1829	1838	1841	rBV	3503567	3679260	69.83%	5.703%
75	13.280	1900	1903	1910	rBV	653342	618020	11.73%	0.958%
76	13.339	1910	1913	1918	rVV2	147143	175898	3.34%	0.273%
77	13.774	1984	1987	1994	rBV3	101120	183798	3.49%	0.285%
78	13.945	2012	2016	2020	rBV	735595	701211	13.31%	1.087%
79	14.116	2042	2045	2048	rVB2	77226	72140	1.37%	0.112%
80	14.151	2048	2051	2057	rBV	726879	785321	14.91%	1.217%
81	14.421	2094	2097	2100	rVB	64535	56342	1.07%	0.087%
82	14.504	2108	2111	2114	rVB2	78123	63786	1.21%	0.099%
83	14.586	2121	2125	2130	rVB	132289	172397	3.27%	0.267%
84	14.721	2145	2148	2150	rBV	68538	66451	1.26%	0.103%
85	14.763	2150	2155	2158	rBV	4098995	4110940	78.03%	6.372%
86	14.839	2165	2168	2173	rVB5	57173	56136	1.07%	0.087%
87	15.045	2201	2203	2206	rVB	58354	55576	1.05%	0.086%
88	15.380	2255	2260	2264	rBV2	510064	648556	12.31%	1.005%
89	15.480	2273	2277	2285	rVB2	70410	121399	2.30%	0.188%
90	15.833	2334	2337	2345	rVB2	47903	69474	1.32%	0.108%

Sum of corrected areas: 64517706

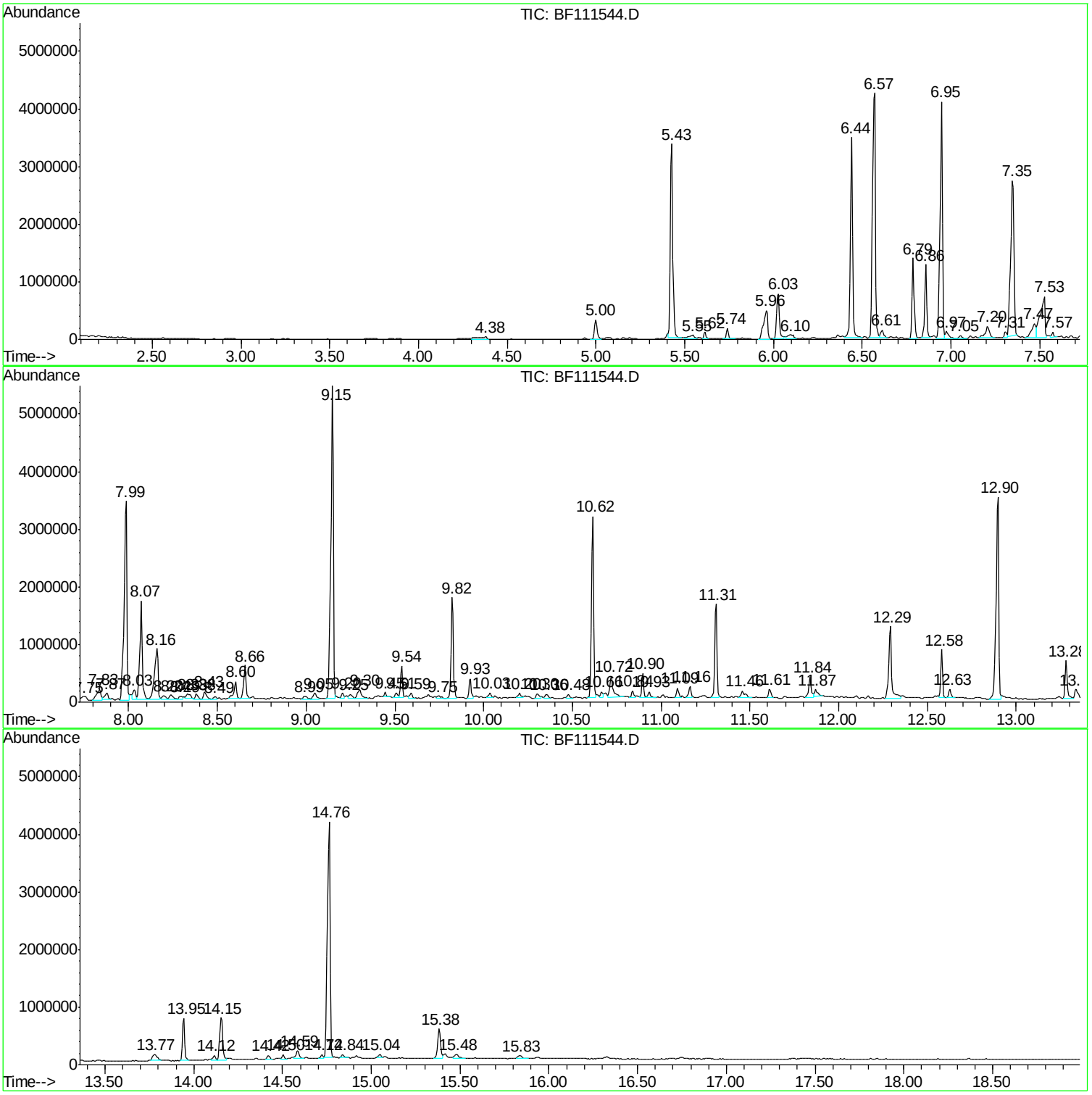
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111544.D
Acq On : 17 Dec 2018 17:41
Operator : JU/SJ
Sample : J6440-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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\BF121718\
Data File : BF111544.D
Acq On : 17 Dec 2018 17:41
Operator : JU/SJ
Sample : J6440-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

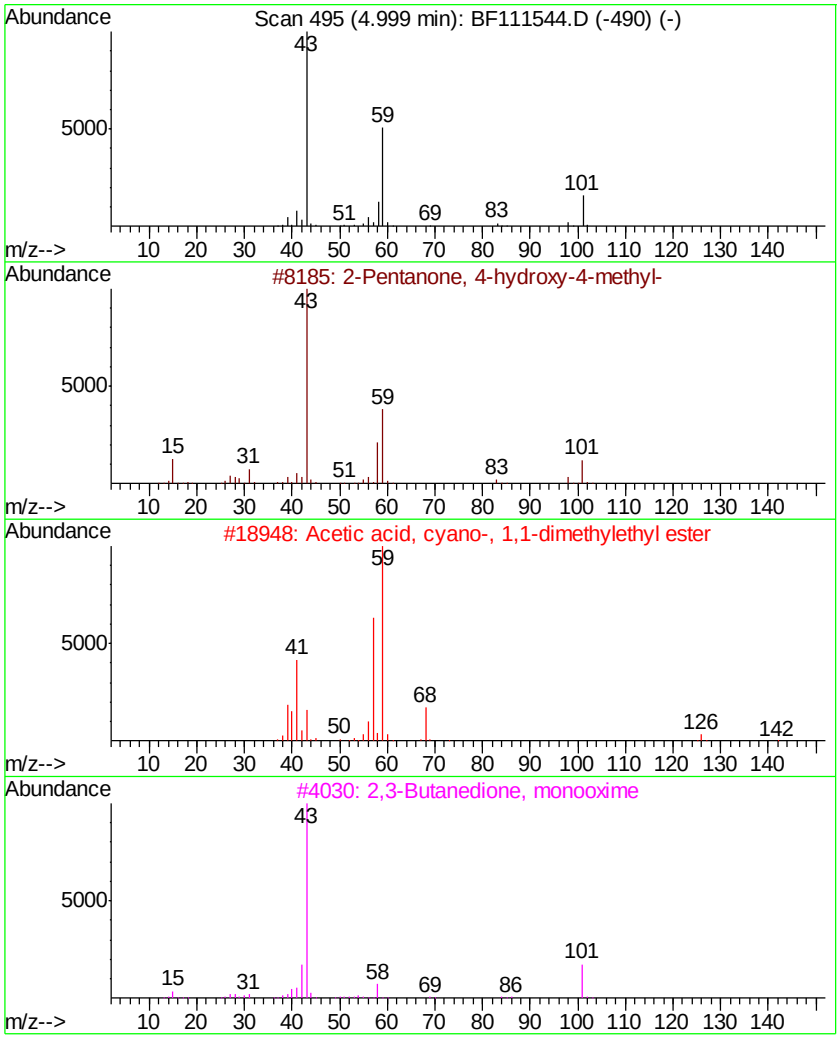
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

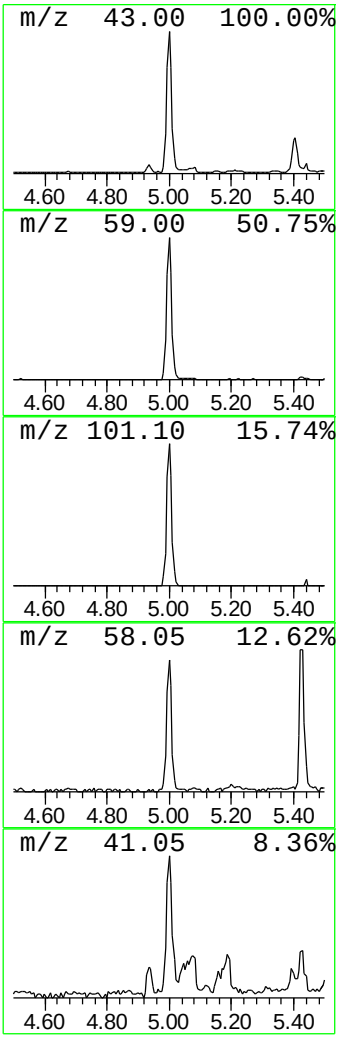
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	7.15 ng	401048	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	9
5	2-Butanone, 3-ethoxy-3-methyl-	130	C7H14O2	036687-99-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111544.D
Acq On : 17 Dec 2018 17:41
Operator : JU/SJ
Sample : J6440-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

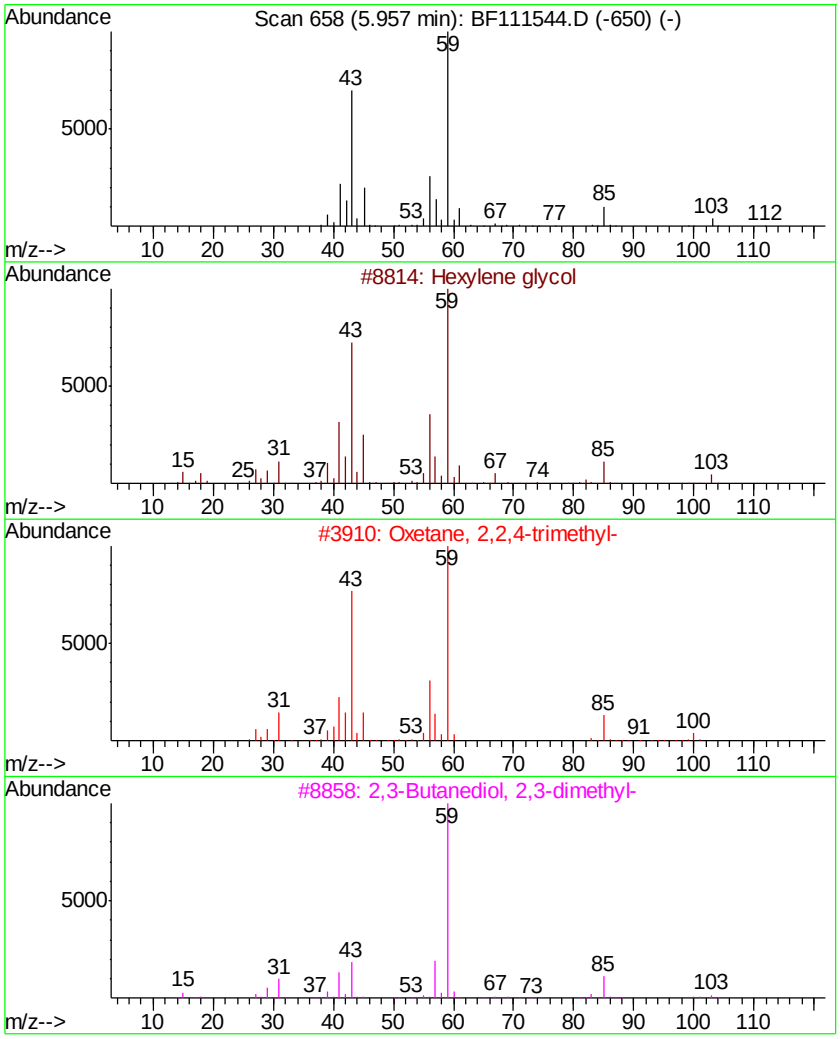
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

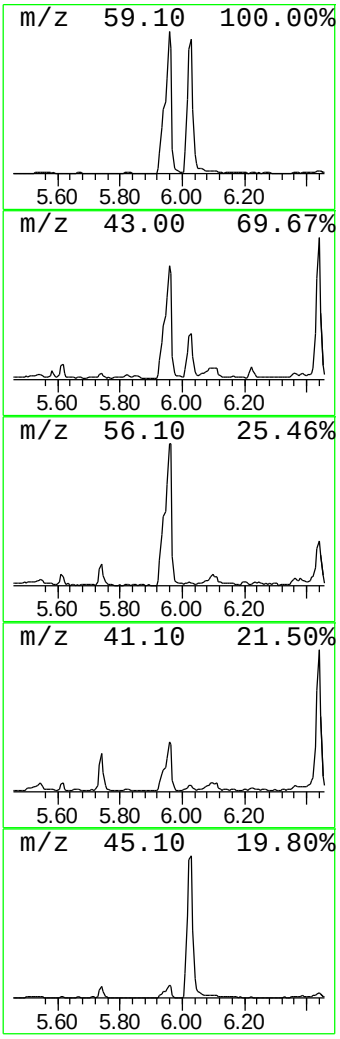
****

Peak Number 2 Hexylene glycol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.96	13.73 ng	770187	1,4-Dichlorobenzene-d4	6.79

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	72
3	2,3-Butanediol, 2,3-dimethyl-	118	C6H14O2	000076-09-5	47
4	dl-Erythro-O-methylthreonine	133	C5H11NO3	1000214-70-7	45
5	N,N-Dimethylformamide-di-t-butyl...	203	C11H25NO2	036805-97-7	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111544.D
Acq On : 17 Dec 2018 17:41
Operator : JU/SJ
Sample : J6440-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

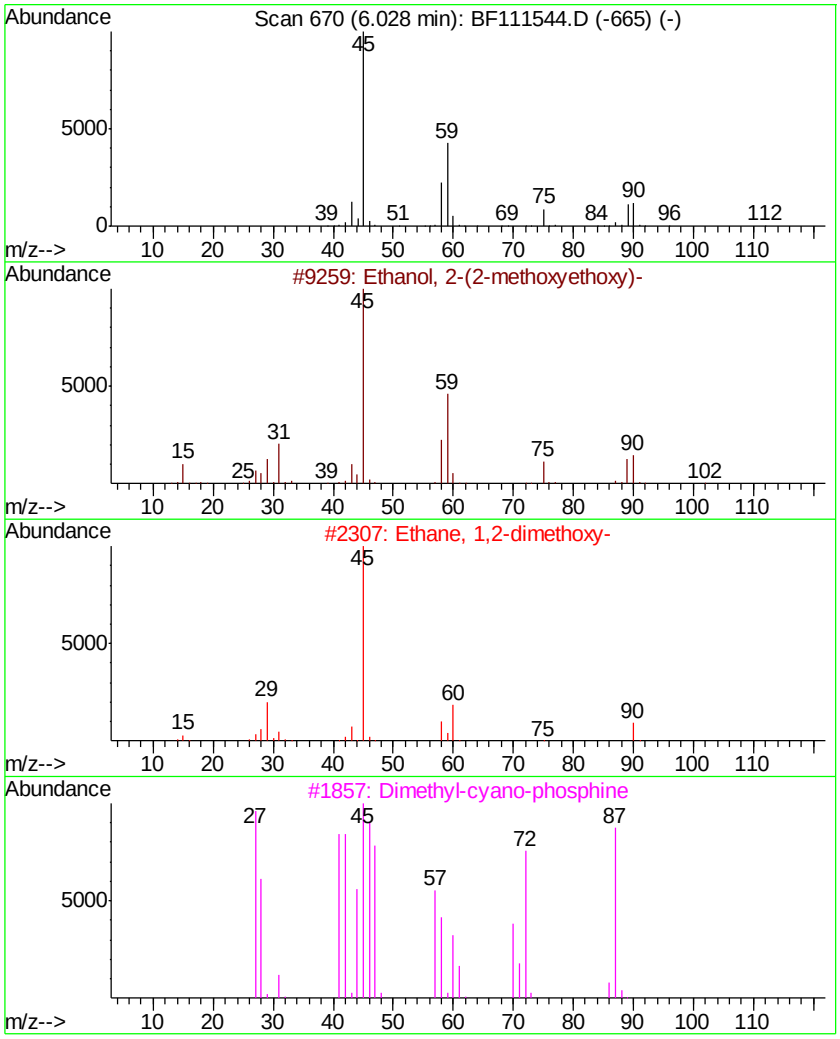
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

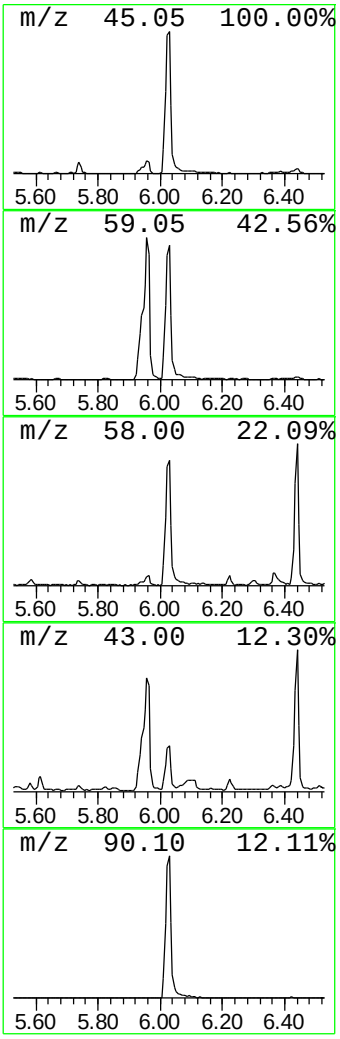
****

Peak Number 3 Ethanol, 2-(2-methoxyethoxy)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.03	17.00 ng	953523	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	90
2	Ethane, 1,2-dimethoxy-	90	C4H10O2	000110-71-4	47
3	Dimethyl-cyano-phosphine	87	C3H6NP	031641-57-3	25
4	Paraldehyde	132	C6H12O3	000123-63-7	23
5	2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111544.D
Acq On : 17 Dec 2018 17:41
Operator : JU/SJ
Sample : J6440-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

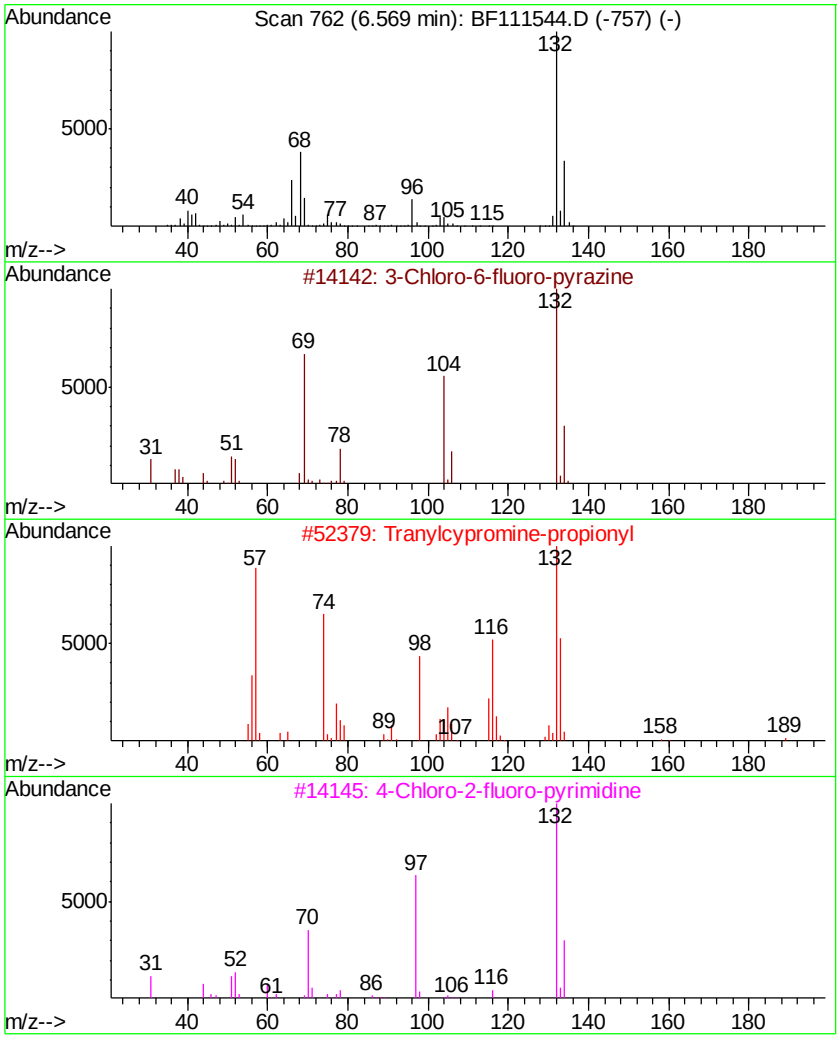
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

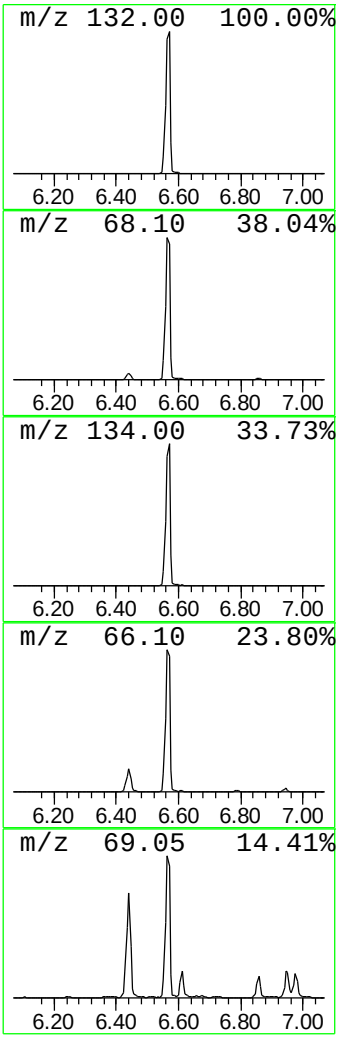
****

Peak Number 4 unknown6.57 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	77.52 ng	4348680	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111544.D
Acq On : 17 Dec 2018 17:41
Operator : JU/SJ
Sample : J6440-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

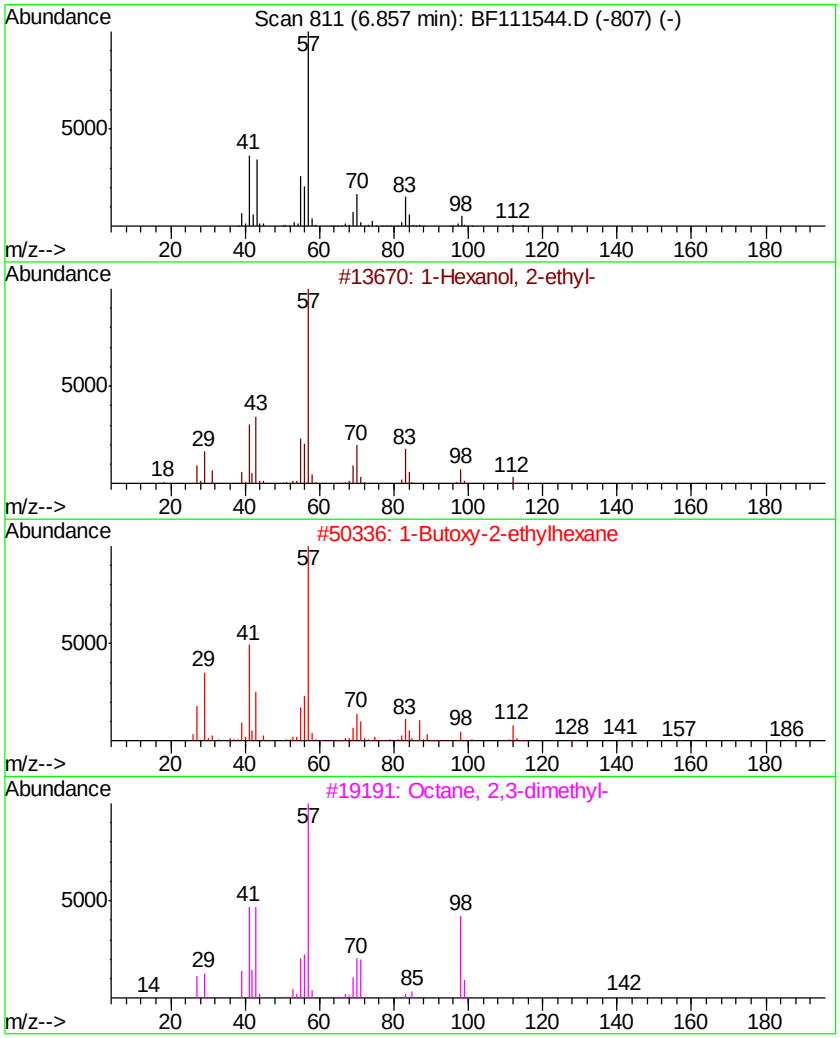
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

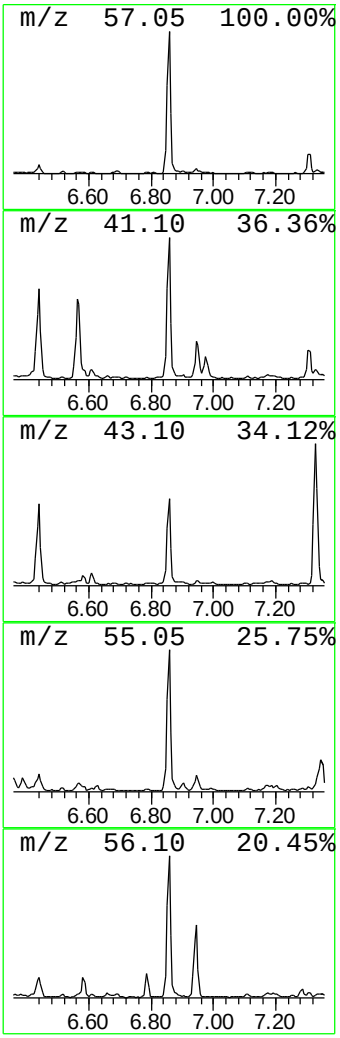
****

Peak Number 5 1-Hexanol, 2-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	18.83 ng	1056250	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
2	1-Butoxy-2-ethylhexane	186	C12H26O	062625-25-6	64
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	45
4	Oxalic acid, isobutyl heptyl ester	244	C13H24O4	1000309-37-2	45
5	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111544.D
Acq On : 17 Dec 2018 17:41
Operator : JU/SJ
Sample : J6440-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

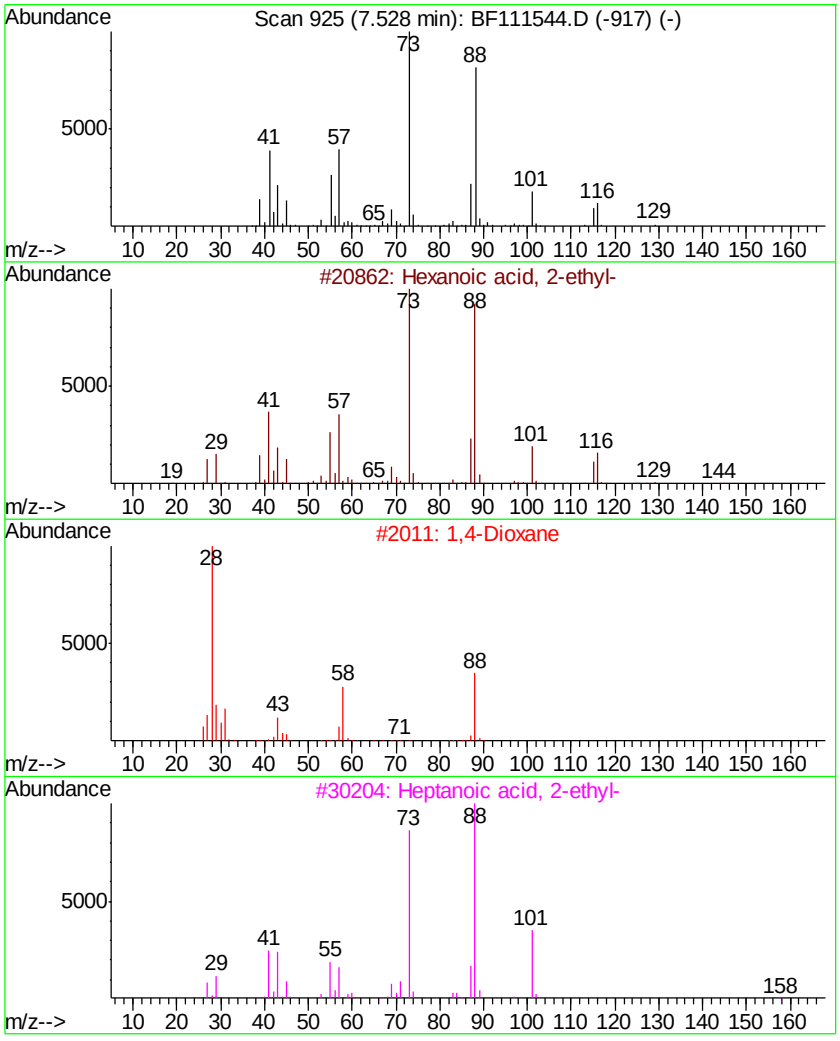
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

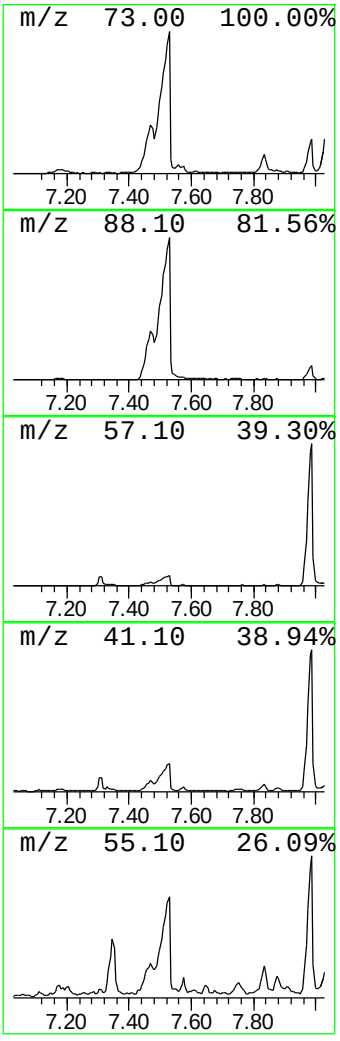
****

Peak Number 8 Hexanoic acid, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	16.53 ng	1329020	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2	1,4-Dioxane	88	C4H8O2	000123-91-1	47
3	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	42
4	L(-)-Fucose, tetramethyl ether	220	C10H20O5	1000332-75-0	40
5	Methyl 2,3,4-tri-O-methyl-6-deox...	220	C10H20O5	072983-16-5	33





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Acq On : 17 Dec 2018 17:41
Operator : JU/SJ
Sample : J6440-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

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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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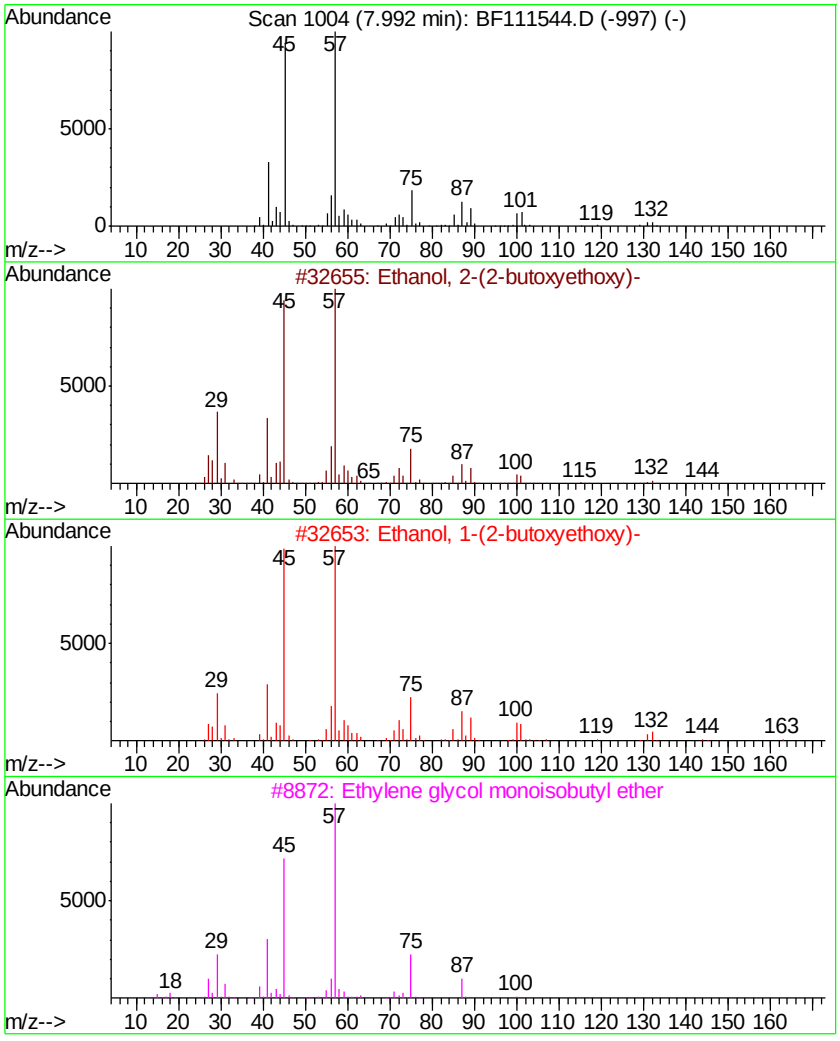
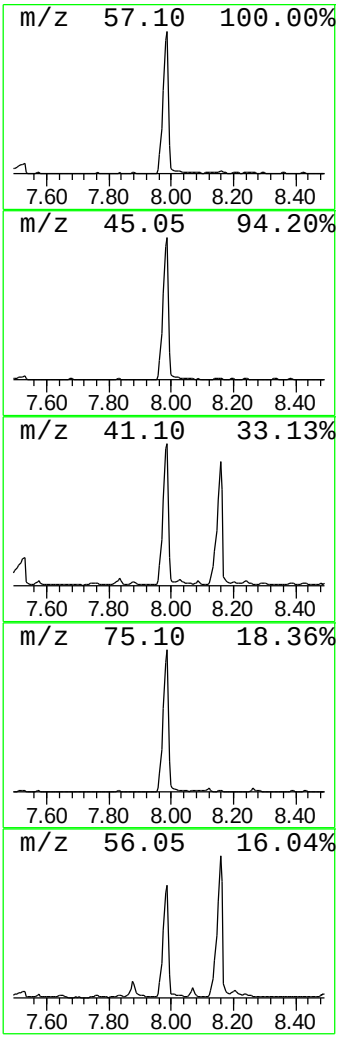
Peak Number 9 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	49.18 ng	3955350	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	90
3	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
4	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	53
5	Methoxyacetic acid, 2-butyl ester	146	C7H14O3	070159-90-9	50





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Sample : J6440-08
Misc :
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Instrument : BNA_F
ClientSampleId : COMP-4

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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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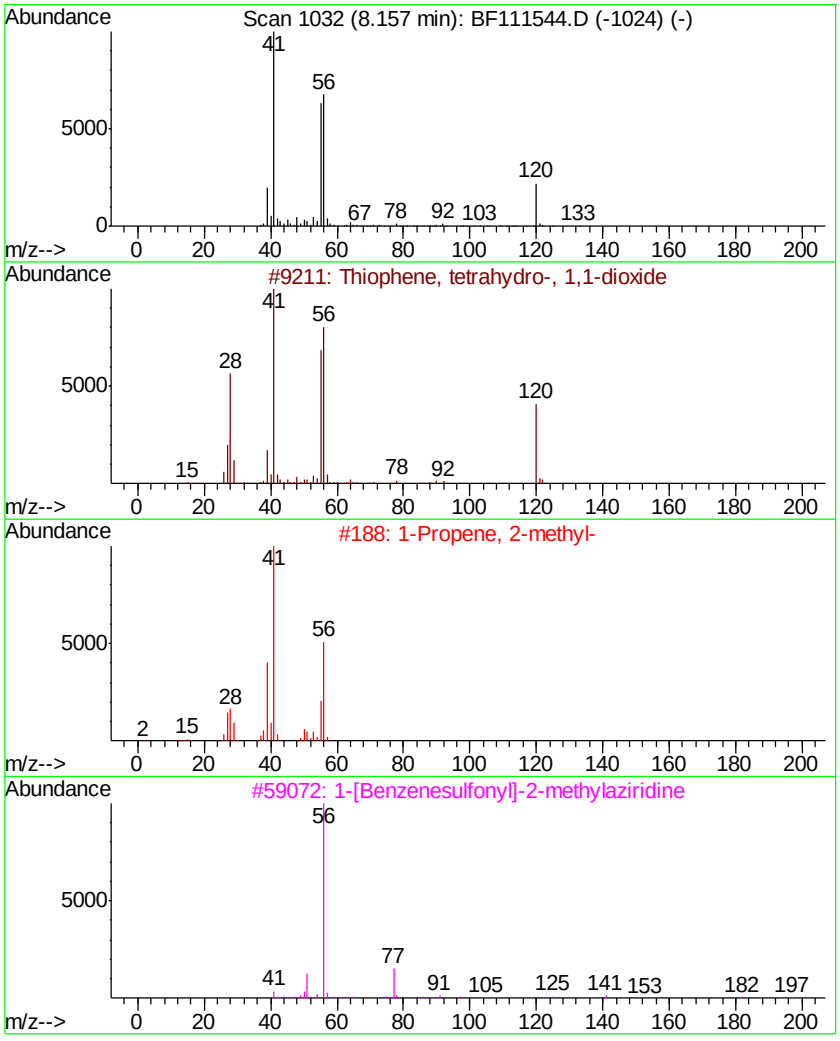
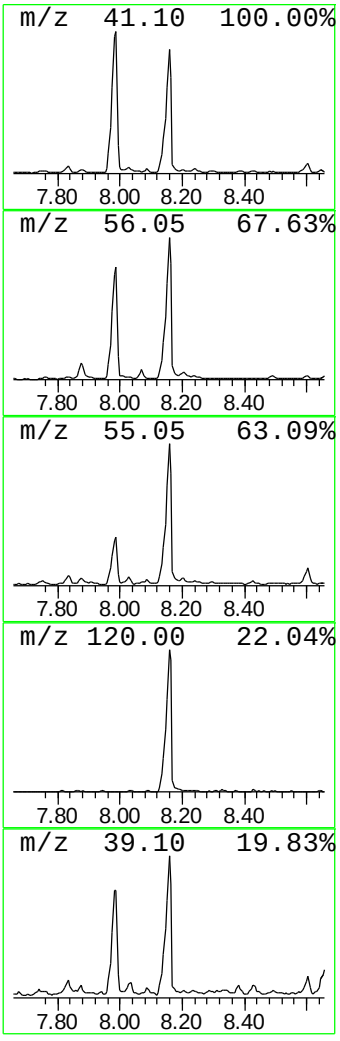
Peak Number 10 Thiophene, tetrahydro-, 1,1... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	14.12 ng	1135620	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-, 1,1-dioxide	120	C4H8O2S	000126-33-0	91
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	32
3	1-[Benzenesulfonyl]-2-methylazir...	197	C9H11NO2S	021384-00-9	12
4	2-Butene, (E)-	56	C4H8	000624-64-6	9
5	Cyclobutane	56	C4H8	000287-23-0	9





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Instrument : BNA_F
ClientSampleId : COMP-4

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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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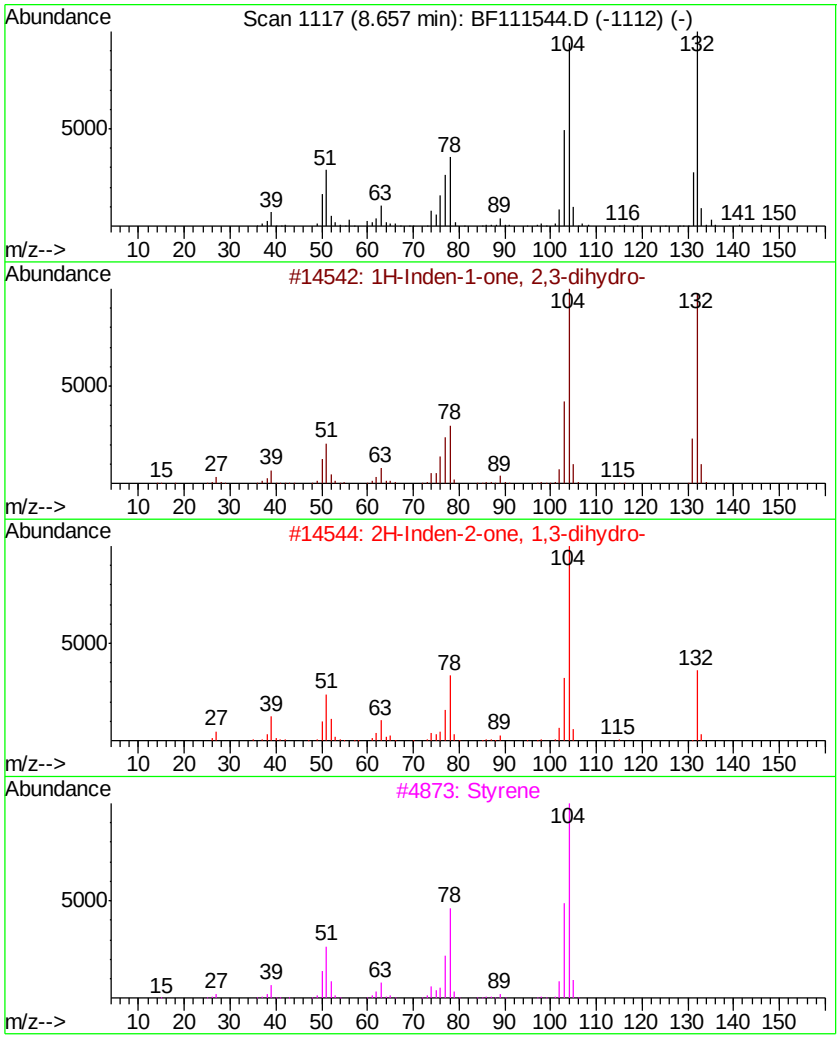
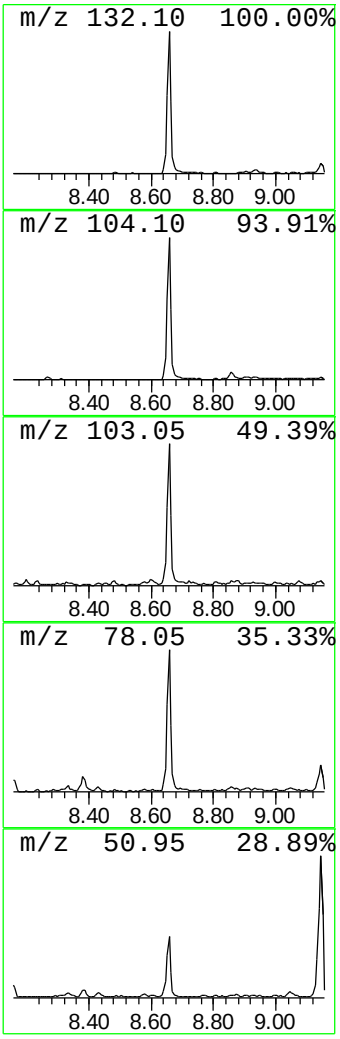
Peak Number 11 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.66	6.97 ng	560578	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	97
2	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	81
3	Styrene	104	C8H8	000100-42-5	70
4	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	70
5	Isoquinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000091-21-4	64





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Instrument : BNA_F
ClientSampleId : COMP-4

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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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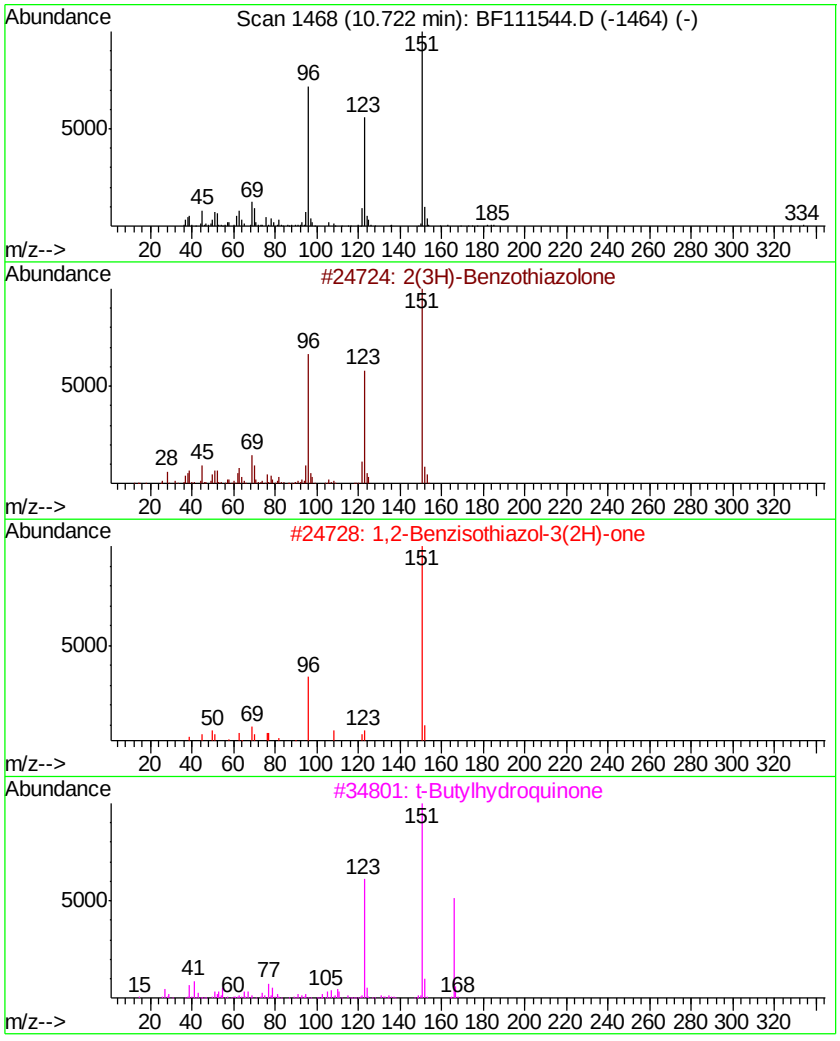
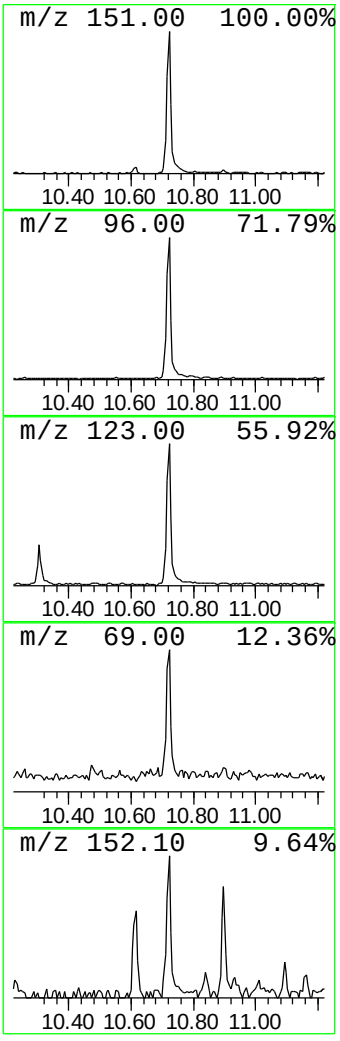
Peak Number 12 2(3H)-Benzothiazolone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	6.48 ng	498559	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Benzothiazolone	151	C7H5NOS	000934-34-9	97
2	1,2-Benzisothiazol-3(2H)-one	151	C7H5NOS	002634-33-5	50
3	t-Butylhydroquinone	166	C10H14O2	001948-33-0	40
4	2(3H)-Benzoxazolethione	151	C7H5NOS	002382-96-9	38
5	Fumaric acid, di(but-3-yn-2-yl) ...	220	C12H12O4	1000345-28-9	38





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Instrument : BNA_F
ClientSampleId : COMP-4

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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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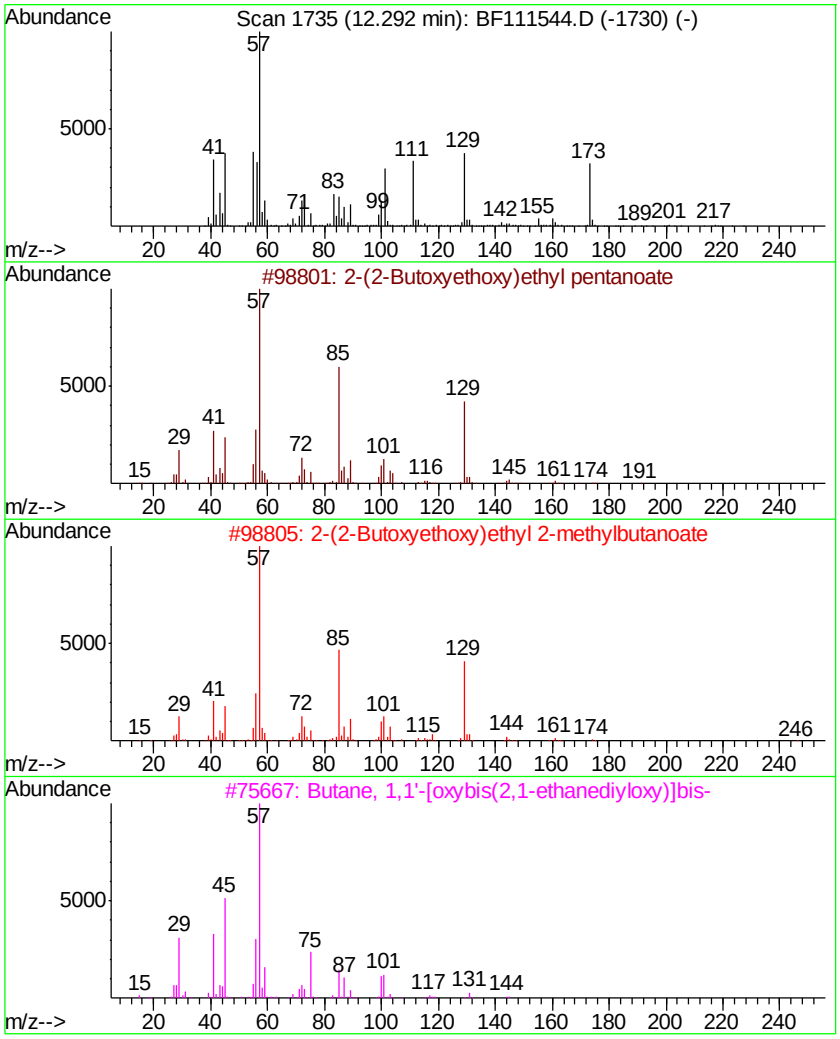
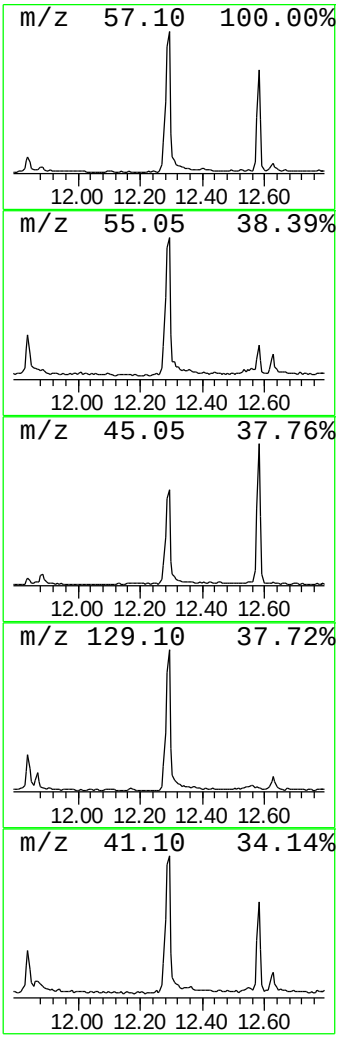
Peak Number 13 unknown12.29 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	19.91 ng	1532120	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(2-Butoxyethoxy)ethyl pentanoate	246	C13H26O4	1000367-00-4	43
2	2-(2-Butoxyethoxy)ethyl 2-methyl...	246	C13H26O4	1000366-96-6	43
3	Butane, 1,1'-[oxybis(2,1-ethaned...	218	C12H26O3	000112-73-2	27
4	2-(2-Butoxyethoxy)ethyl 3-methyl...	246	C13H26O4	1000367-04-5	25
5	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	22





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ClientSampleId : COMP-4

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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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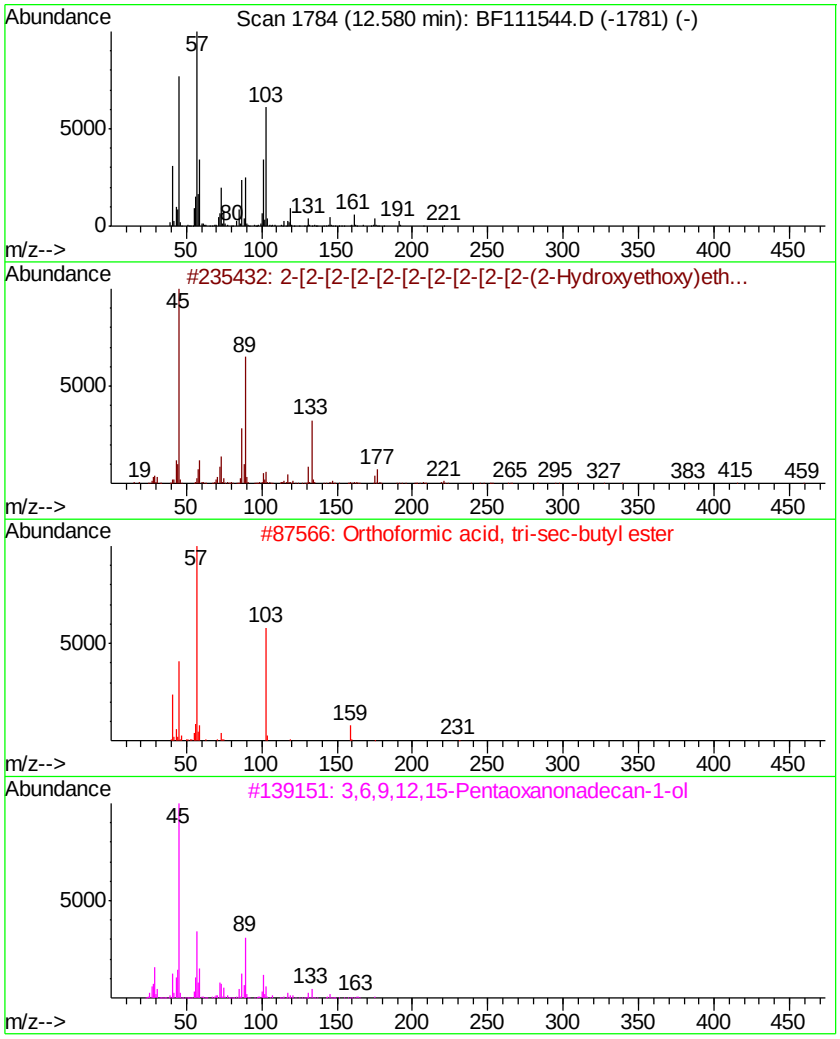
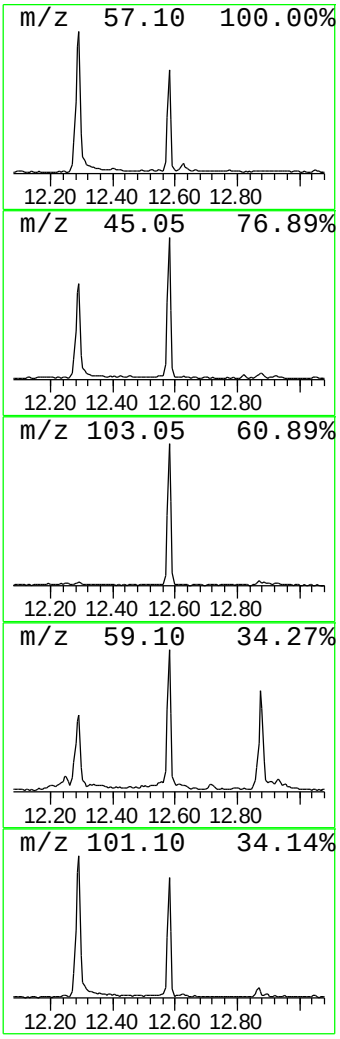
Peak Number 14 unknown12.58 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	8.40 ng	646362	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-[2-[2-[2-[2-[2-[2-[2-(2-...	502	C22H46O12	1000352-13-2	38
2	Orthoformic acid, tri-sec-butyl ...	232	C13H28O3	016754-48-6	38
3	3,6,9,12,15-Pentaoxanonadecan-1-ol	294	C14H30O6	001786-94-3	38
4	2-[2-[2-[2-[2-[2-[2-[2-(2-Hyd...	458	C20H42O11	1000352-12-6	38
5	Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	35





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Misc :
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Instrument : BNA_F
ClientSampleId : COMP-4

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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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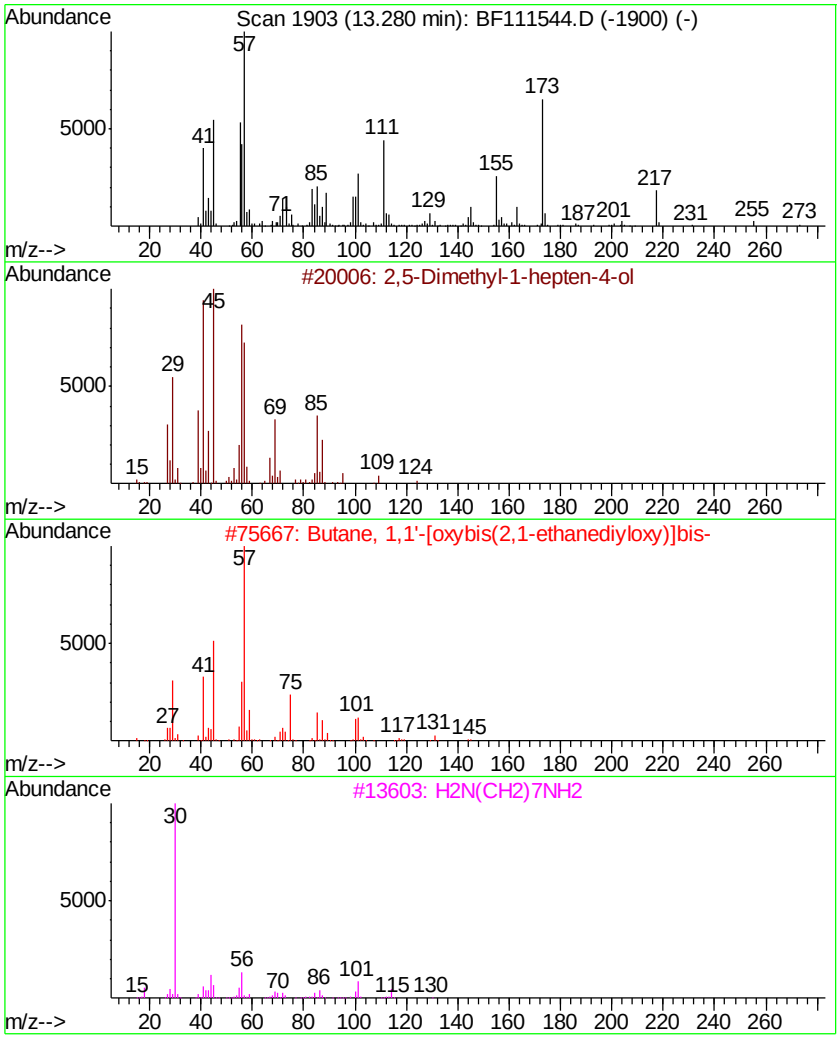
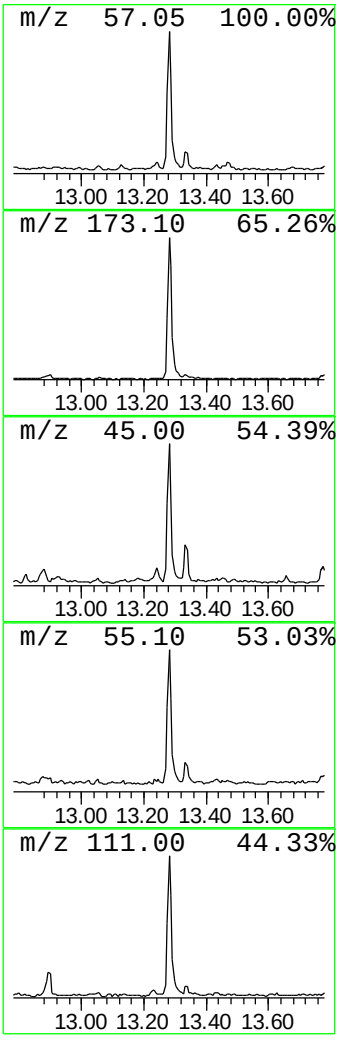
Peak Number 15 unknown13.28 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	17.63 ng	618020	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Dimethyl-1-hepten-4-ol	142	C9H18O	019549-95-2	16
2	Butane, 1,1'-[oxybis(2,1-ethaned...	218	C12H26O3	000112-73-2	16
3	H2N(CH2)7NH2	130	C7H18N2	000646-19-5	14
4	2-Pentanol, 4,4-dimethyl-	116	C7H16O	006144-93-0	14
5	Benzamide, 2,6-dichloro-N,N-dime...	217	C9H9Cl2NO	053044-18-1	11





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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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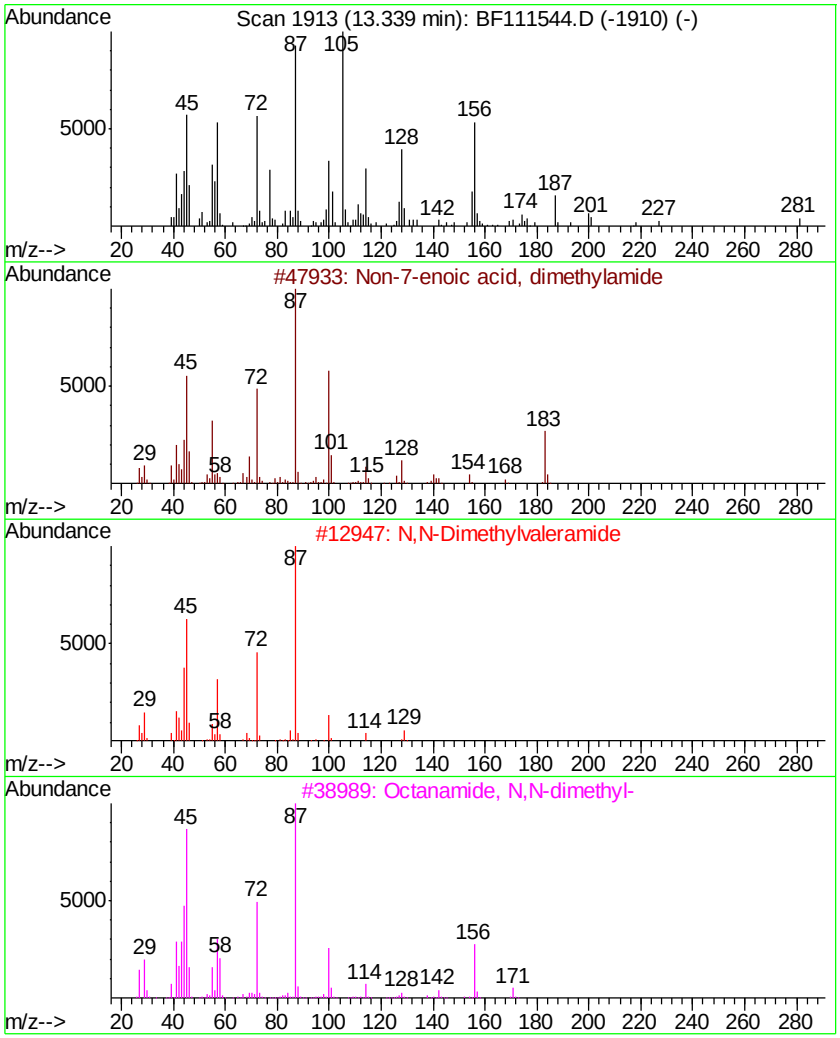
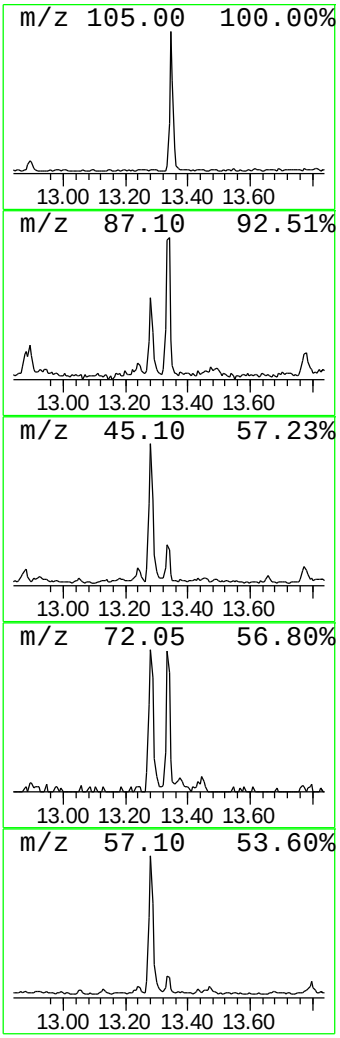
Peak Number 16 unknown13.34 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	5.02 ng	175898	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Non-7-enoic acid, dimethylamide	183	C11H21NO	1000187-26-5	47
2	N,N-Dimethylvaleramide	129	C7H15NO	006225-06-5	43
3	Octanamide, N,N-dimethyl-	171	C10H21NO	001118-92-9	40
4	Butanamide, N,N,3,3-tetramethyl-	143	C8H17NO	026153-90-2	38
5	4-Methylheptanamide, N,N-dimethyl-	171	C10H21NO	1000139-77-1	27





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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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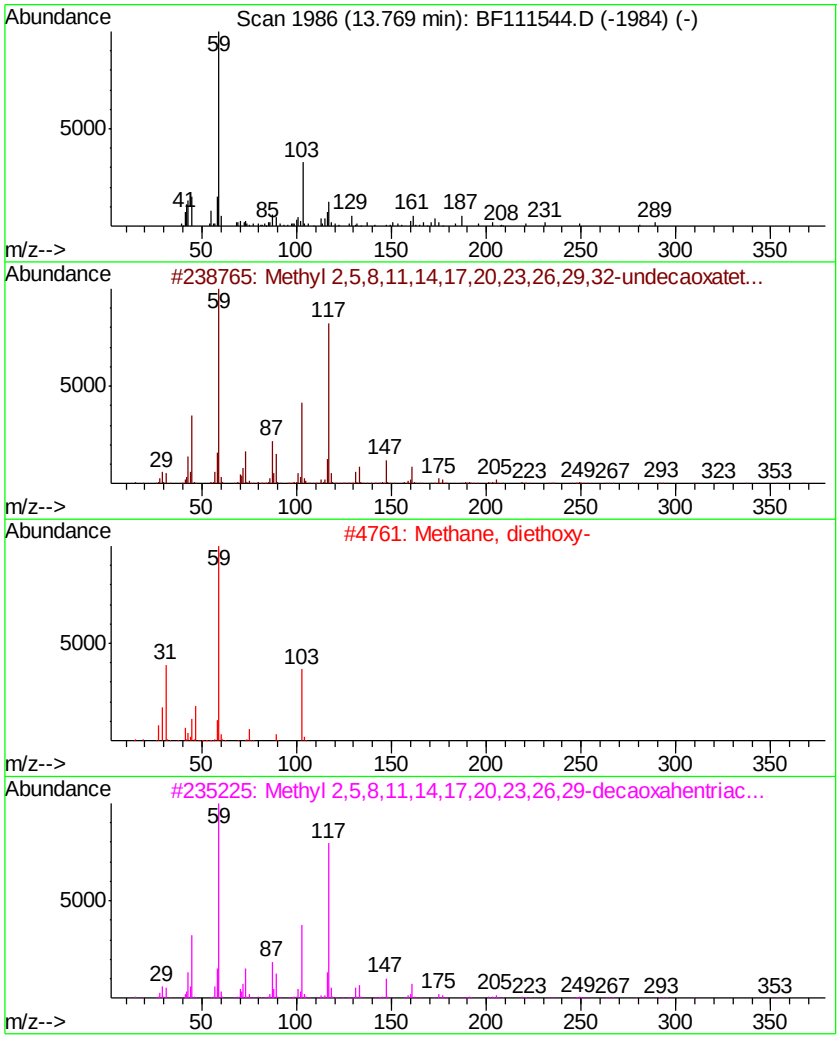
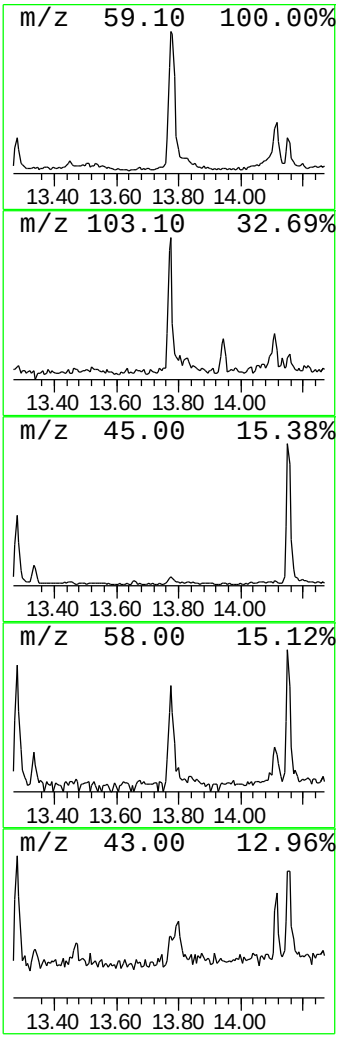
Peak Number 17 Methyl 2,5,8,11,14,17,20,23... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	5.24 ng	183798	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 2,5,8,11,14,17,20,23,26,2...	544	C24H48O13	1000366-80-9	64
2	Methane, diethoxy-	104	C5H12O2	000462-95-3	53
3	Methyl 2,5,8,11,14,17,20,23,26,2...	500	C22H44O12	1000366-81-0	50
4	Hydrazine, 1-methyl-1-(2-methylp...	102	C5H14N2	020240-63-5	46
5	2-Propanol, 1,1'-[(1-methyl-1,2-...	192	C9H20O4	001638-16-0	45





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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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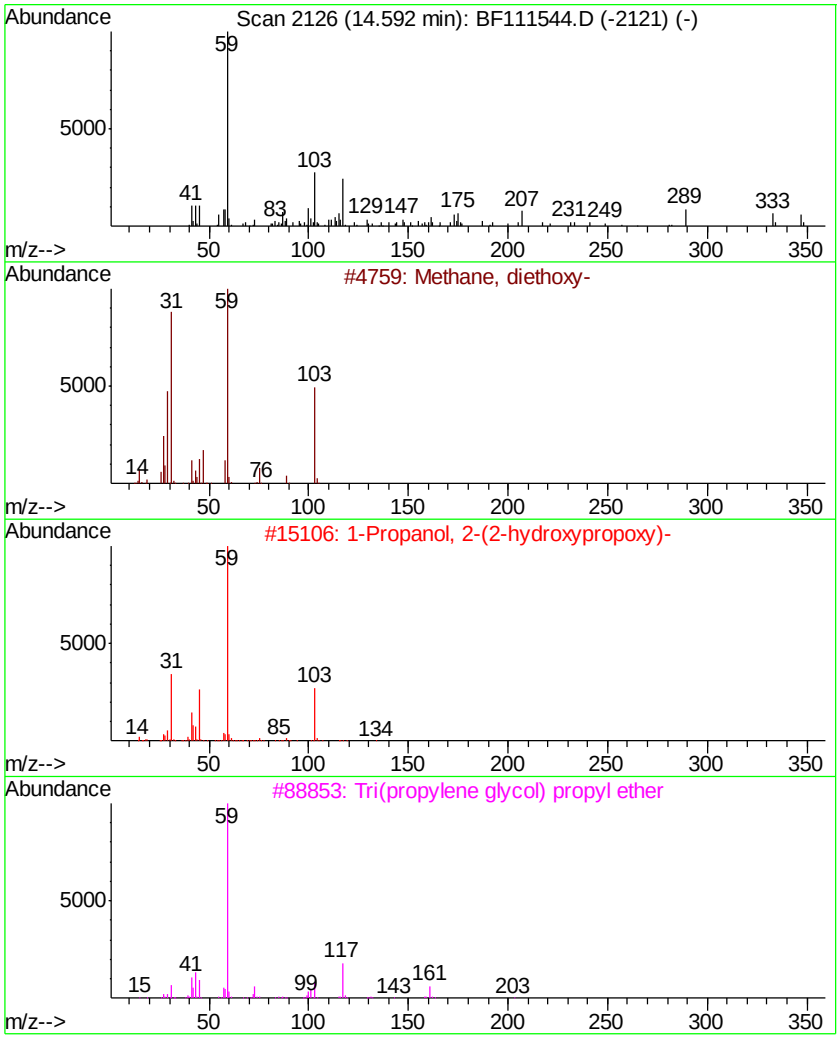
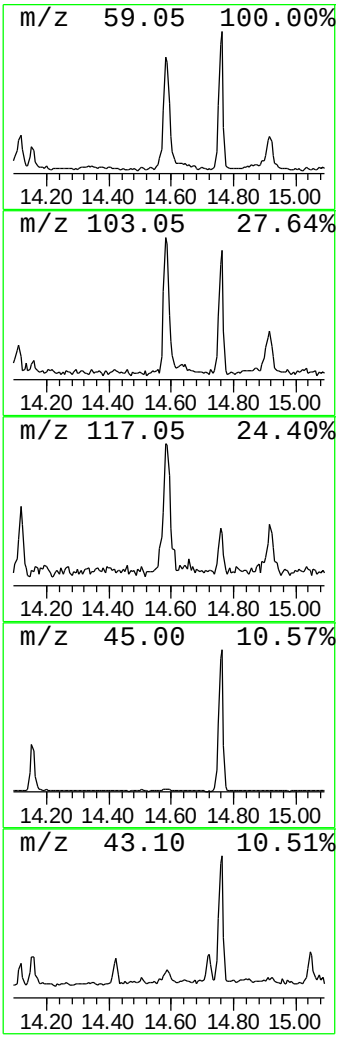
Peak Number 19 Methane, diethoxy- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	4.92 ng	172397	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, diethoxy-	104	C5H12O2	000462-95-3	58
2	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	53
3	Tri(propylene glycol) propyl ether	234	C12H26O4	096077-04-2	53
4	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	53
5	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	45





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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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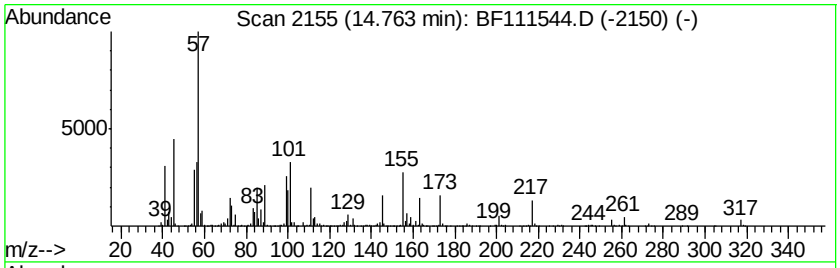
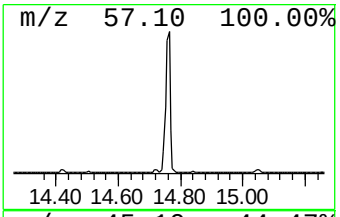
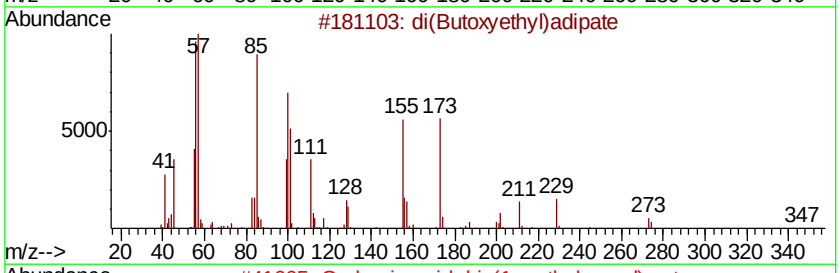
Peak Number 20 unknown14.76 Concentration Rank 1

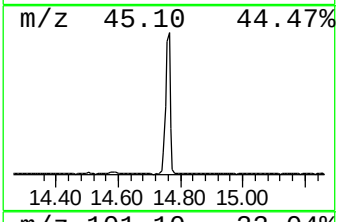
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	126.77 ng	4110940	Perylene-d12	15.38

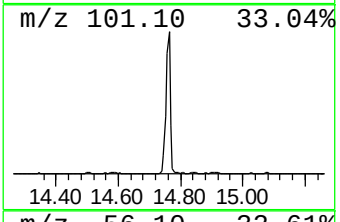
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di(Butoxyethyl)adipate	346	C18H34O6	000141-18-4	25
2	Carbonic acid, bis(1-methylpropy...	174	C9H18O3	000623-63-2	14
3	Succinic acid, di(2-butoxyethyl)...	318	C16H30O6	1000325-84-7	14
4	Propane, 1,1'-[ethylidenebis(oxy...	174	C10H22O2	005669-09-0	14
5	Diethylene glycol monododecyl ether	274	C16H34O3	003055-93-4	12

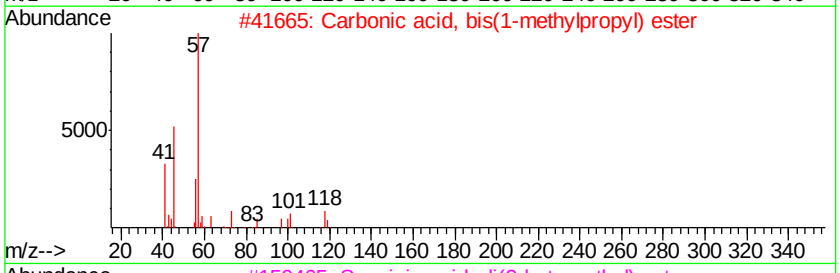


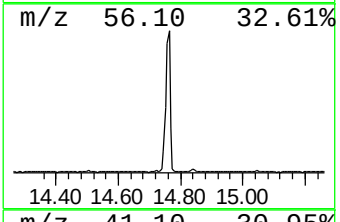


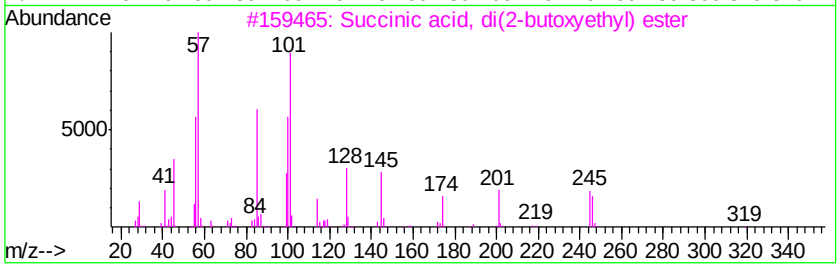


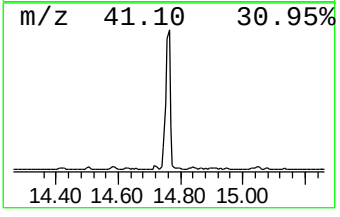












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
Data File : BF111544.D
Acq On : 17 Dec 2018 17:41
Operator : JU/SJ
Sample : J6440-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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...	5.00	7.2	ng	401048	1	6.79	1122020	20.0
Hexylene glycol	5.96	13.7	ng	770187	1	6.79	1122020	20.0
Ethanol, 2-(2-met...	6.03	17.0	ng	953523	1	6.79	1122020	20.0
unknown6.57	6.57	77.5	ng	4348680	1	6.79	1122020	20.0
1-Hexanol, 2-ethyl-	6.86	18.8	ng	1056250	1	6.79	1122020	20.0
Hexanoic acid, 2-...	7.53	16.5	ng	1329020	2	8.07	1608490	20.0
Ethanol, 2-(2-but...	7.99	49.2	ng	3955350	2	8.07	1608490	20.0
Thiophene, tetrah...	8.16	14.1	ng	1135620	2	8.07	1608490	20.0
1H-Inden-1-one, 2...	8.66	7.0	ng	560578	2	8.07	1608490	20.0
2(3H)-Benzothiazo...	10.72	6.5	ng	498559	4	11.31	1539320	20.0
unknown12.29	12.29	19.9	ng	1532120	4	11.31	1539320	20.0
unknown12.58	12.58	8.4	ng	646362	4	11.31	1539320	20.0
unknown13.28	13.28	17.6	ng	618020	5	13.95	701211	20.0
unknown13.34	13.34	5.0	ng	175898	5	13.95	701211	20.0
Methyl 2,5,8,11,1...	13.77	5.2	ng	183798	5	13.95	701211	20.0
Methane, diethoxy-	14.59	4.9	ng	172397	5	13.95	701211	20.0
unknown14.76	14.76	126.8	ng	4110940	6	15.38	648556	20.0