LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
Data File : BF113415.D
Acq On : 29 Mar 2019 16:00
Operator : JU/SJ
Sample : K2121-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-1

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-BF032519.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	3.645	253	265	275	rBV	78698	136427	1.56%	0.156%
2	4.875	471	474	482	rBV	109745	143596	1.64%	0.164%
3	5.157	518	522	533	rBV	403538	394053	4.51%	0.450%
4	5.269	537	541	546	rBV	516348	630694	7.22%	0.720%
5	5.310	546	548	569	rVB	1486874	1665623	19.07%	1.902%
6	5.534	582	586	592	rBV	640913	592393	6.78%	0.676%
7	6.157	682	692	698	rBV	163405	170375	1.95%	0.195%
8	6.228	698	704	707	rBV	384762	351974	4.03%	0.402%
9	6.304	713	717	720	rBV	897791	756311	8.66%	0.863%
10	6.345	721	724	728	rVV	1071671	1069987	12.25%	1.222%
11	6.386	728	731	740	rVB	635208	572490	6.56%	0.654%
12	6.475	742	746	749	rBV	3192349	2872999	32.90%	3.280%
13	6.528	752	755	758	rVB	1830073	1419733	16.26%	1.621%
14	6.698	781	784	788	rBV	854680	798410	9.14%	0.912%
15	6.763	792	795	798	rVB	1992079	1636605	18.74%	1.868%
16	6.857	807	811	814	rBV	2884870	2746403	31.45%	3.135%
17	6.881	814	815	823	rVV	910725	697707	7.99%	0.797%
18	6.957	824	828	831	rVB2	371718	345024	3.95%	0.394%
19	7.028	836	840	842	rBV	323881	299867	3.43%	0.342%
20	7.098	849	852	856	rBV2	112892	149312	1.71%	0.170%
21	7.169	857	864	867	rBV3	151415	219433	2.51%	0.251%
22	7.245	870	877	878	rBV2	1112282	1140749	13.06%	1.302%
23	7.269	878	881	885	rVB2	2051755	1983260	22.71%	2.264%
24	7.392	898	902	904	rVB2	273004	252126	2.89%	0.288%
25	7.457	908	913	914	rBV2	158155	188156	2.15%	0.215%
26	7.475	914	916	919	rVV	924709	758420	8.69%	0.866%
27	7.504	919	921	923	rVV	411969	288598	3.30%	0.329%
28	7.586	930	935	939	rVB5	81614	125641	1.44%	0.143%
29	7.639	941	944	945	rBV	140695	123354	1.41%	0.141%
30	7.657	945	947	951	rVB	312757	269588	3.09%	0.308%
31	7.728	951	959	963	rBV3	1658135	2237009	25.62%	2.554%
32	7.792	963	970	972	rBV6	256373	404019	4.63%	0.461%
33	7.822	972	975	978	rVB2	406840	482364	5.52%	0.551%
34	7.880	983	985	989	rVB2	156226	164733	1.89%	0.188%

LSC Area Percent Report

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Acq On : 29 Mar 2019 16:00
Operator : JU/SJ
Sample : K2121-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-1

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-BF032519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.933	990	994	996	rBV3	98724	129672	1.48%	0.148%
36	7.980	996	1002	1005	rVV	1168763	1235250	14.15%	1.410%
37	8.133	1021	1028	1031	rBV	378366	634438	7.27%	0.724%
38	8.163	1031	1033	1035	rBV	252646	257587	2.95%	0.294%
39	8.192	1035	1038	1040	rBV	367916	431473	4.94%	0.493%
40	8.257	1045	1049	1053	rVV2	823974	1349389	15.45%	1.541%
41	8.333	1053	1062	1067	rVV5	774540	1613643	18.48%	1.842%
42	8.375	1067	1069	1071	rVV2	355571	437532	5.01%	0.500%
43	8.433	1075	1079	1082	rVV3	890136	1729074	19.80%	1.974%
44	8.457	1082	1083	1085	rVV	598311	624978	7.16%	0.714%
45	8.480	1085	1087	1092	rVV3	857384	1406641	16.11%	1.606%
46	8.522	1092	1094	1097	rVV2	171477	169498	1.94%	0.194%
47	8.551	1097	1099	1101	rVV2	152561	137151	1.57%	0.157%
48	8.575	1101	1103	1107	rVB4	228970	252561	2.89%	0.288%
49	8.622	1107	1111	1112	rBV3	148278	160162	1.83%	0.183%
50	8.645	1112	1115	1117	rVV2	199433	214673	2.46%	0.245%
51	8.675	1117	1120	1123	rVV3	231930	301093	3.45%	0.344%
52	8.722	1124	1128	1129	rVV3	172095	247503	2.83%	0.283%
53	8.763	1129	1135	1138	rVV4	1056059	1407283	16.12%	1.607%
54	8.816	1142	1144	1147	rVB2	445589	507004	5.81%	0.579%
55	8.863	1147	1152	1153	rBV3	343471	429994	4.92%	0.491%
56	8.886	1153	1156	1160	rVV4	358025	575245	6.59%	0.657%
57	8.927	1160	1163	1166	rVV	405961	450614	5.16%	0.514%
58	8.980	1166	1172	1174	rVV3	556153	923003	10.57%	1.054%
59	9.016	1174	1178	1181	rVV3	406837	717565	8.22%	0.819%
60	9.063	1181	1186	1188	rVV	3982054	4150988	47.54%	4.739%
61	9.086	1188	1190	1196	rVB5	536259	620980	7.11%	0.709%
62	9.133	1196	1198	1203	rBV4	142722	220203	2.52%	0.251%
63	9.222	1210	1213	1217	rVB2	187551	215095	2.46%	0.246%
64	9.357	1232	1236	1237	rBV2	167481	222601	2.55%	0.254%
65	9.386	1237	1241	1243	rVV2	467587	645504	7.39%	0.737%
66	9.422	1244	1247	1250	rVV3	373916	559680	6.41%	0.639%
67	9.457	1250	1253	1256	rVB3	335905	400213	4.58%	0.457%
68	9.539	1262	1267	1270	rBV4	425145	569447	6.52%	0.650%
69	9.574	1270	1273	1276	rVB2	270059	274520	3.14%	0.313%
70	9.616	1276	1280	1283	rBV3	434685	576060	6.60%	0.658%
71	9.698	1289	1294	1297	rBV3	252575	419596	4.81%	0.479%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2121-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-1

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-BF032519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.733	1297	1300	1304	rVB	1347098	1154896	13.23%	1.319%
73	9.780	1305	1308	1310	rBV3	140595	146793	1.68%	0.168%
74	9.910	1328	1330	1333	rVB2	150425	120313	1.38%	0.137%
75	10.263	1386	1390	1394	rVB	464378	474349	5.43%	0.542%
76	10.386	1408	1411	1414	rVB	141614	110851	1.27%	0.127%
77	10.521	1430	1434	1444	rVB2	2732606	3103573	35.54%	3.543%
78	10.651	1452	1456	1463	rBV2	642717	860642	9.86%	0.983%
79	10.710	1463	1466	1469	rVV	362117	390878	4.48%	0.446%
80	10.745	1469	1472	1475	rVV2	602056	730166	8.36%	0.834%
81	10.780	1475	1478	1480	rVV2	500507	522893	5.99%	0.597%
82	10.804	1480	1482	1485	rVV	267935	260366	2.98%	0.297%
83	10.845	1485	1489	1491	rVV	227707	334565	3.83%	0.382%
84	10.892	1494	1497	1500	rVV3	320454	455559	5.22%	0.520%
85	10.927	1500	1503	1505	rVV	404312	419060	4.80%	0.478%
86	10.968	1508	1510	1513	rVB2	222502	199382	2.28%	0.228%
87	11.210	1547	1551	1555	rBV	1408399	1287317	14.74%	1.470%
88	11.774	1638	1647	1663	rVB2	4045043	6810645	77.99%	7.775%
89	12.457	1756	1763	1769	rBV3	356728	815149	9.33%	0.931%
90	12.557	1771	1780	1801	rVB	4955445	8732290	100.00%	9.969%
91	12.792	1816	1820	1824	rBV	4219280	4444959	50.90%	5.075%
92	13.739	1977	1981	1991	rBV2	113369	251584	2.88%	0.287%
93	13.839	1994	1998	2007	rVB	1332693	1339395	15.34%	1.529%
94	14.009	2024	2027	2033	rVB	117065	125842	1.44%	0.144%
95	14.309	2075	2078	2084	rVB	211377	219198	2.51%	0.250%
96	14.604	2124	2128	2136	rVB	352272	350032	4.01%	0.400%
97	14.915	2177	2181	2190	rVB	470194	517357	5.92%	0.591%
98	15.239	2231	2236	2239	rBV	895527	1278399	14.64%	1.459%
99	15.662	2302	2308	2313	rBV	370808	530497	6.08%	0.606%
100	16.121	2380	2386	2392	rBV	180219	299277	3.43%	0.342%

Sum of corrected areas: 87591573

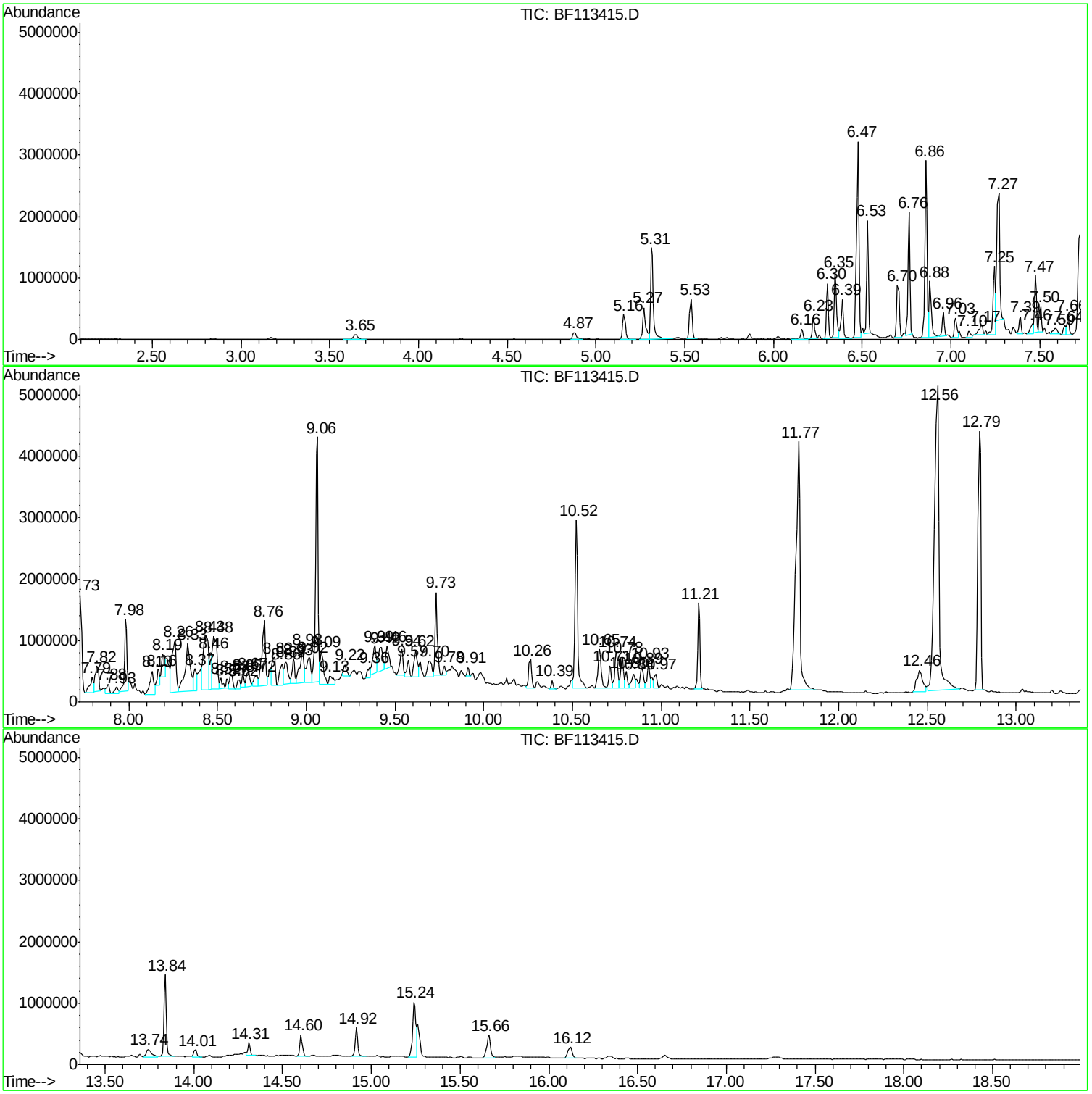
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
Data File : BF113415.D
Acq On : 29 Mar 2019 16:00
Operator : JU/SJ
Sample : K2121-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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\BF032919\
Data File : BF113415.D
Acq On : 29 Mar 2019 16:00
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Misc :
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Instrument : BNA_F
ClientSampleId : TW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

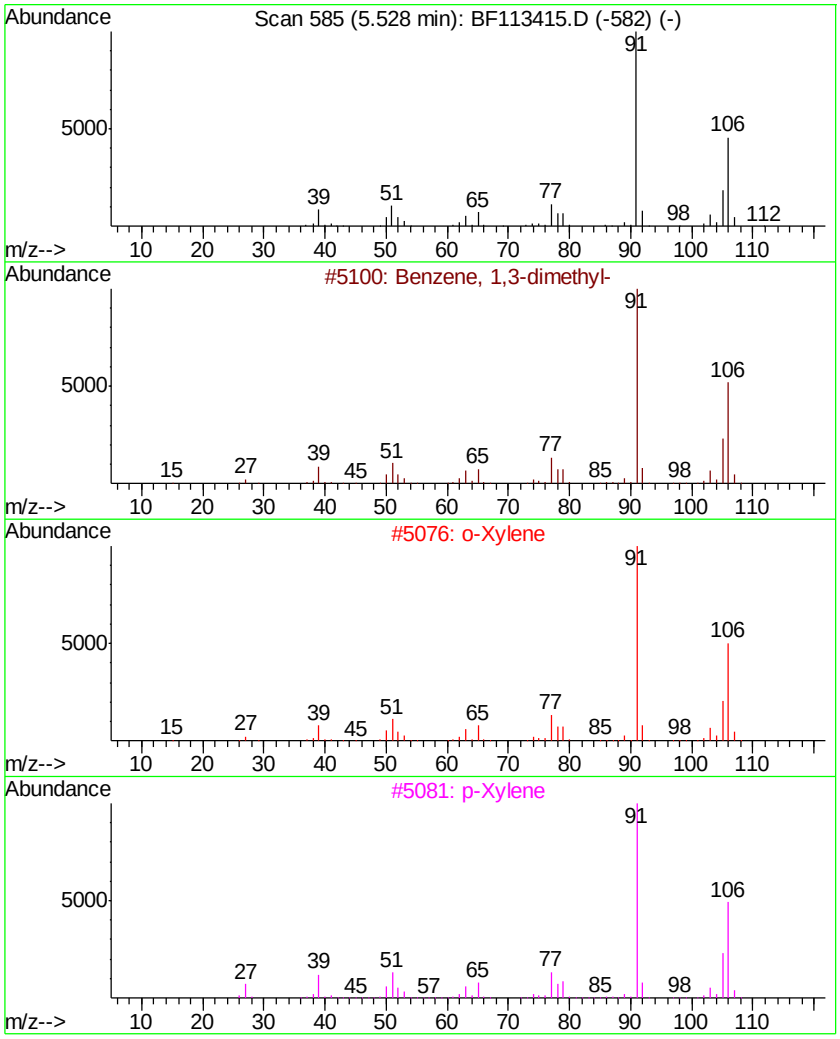
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

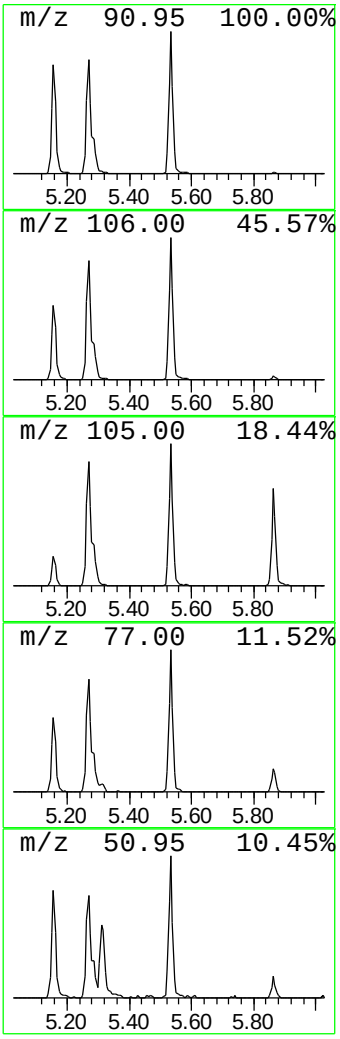
****

Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	14.84 ng	592393	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	o-Xylene	106	C8H10	000095-47-6	97
3	p-Xylene	106	C8H10	000106-42-3	97
4	Ethylbenzene	106	C8H10	000100-41-4	91
5	Cyclopentene, 1-ethenyl-3-methyl...	106	C8H10	061142-07-2	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
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Acq On : 29 Mar 2019 16:00
Operator : JU/SJ
Sample : K2121-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

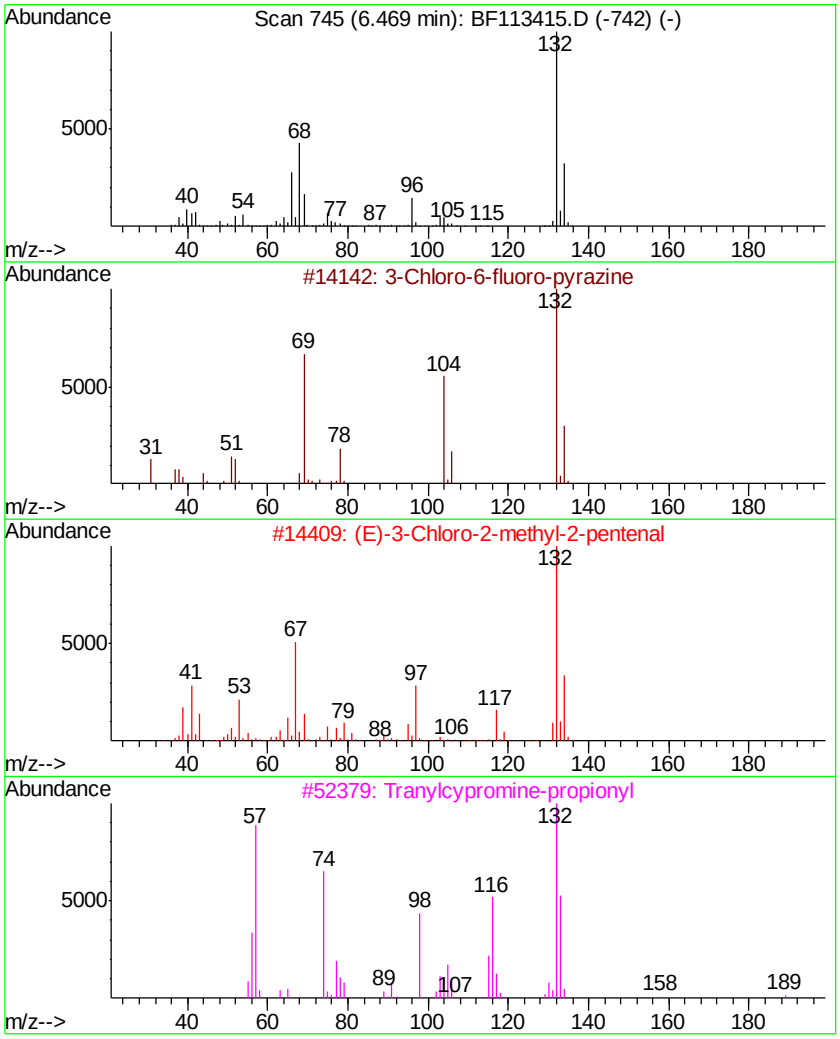
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

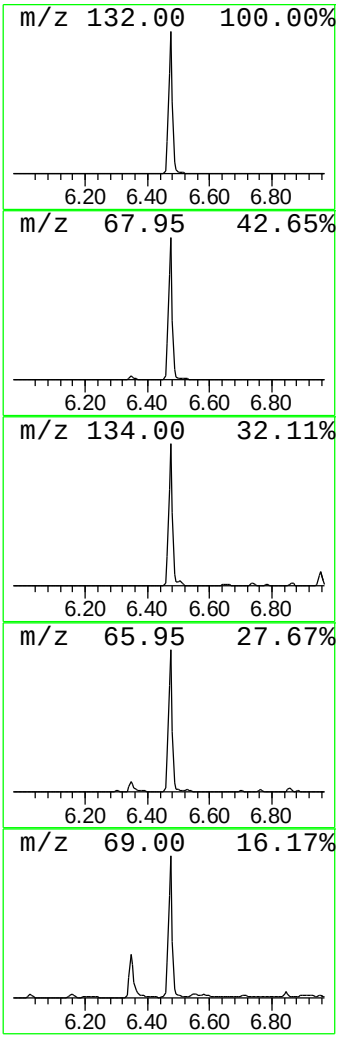
****

Peak Number 2 unknown6.47 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	71.97 ng	2873000	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

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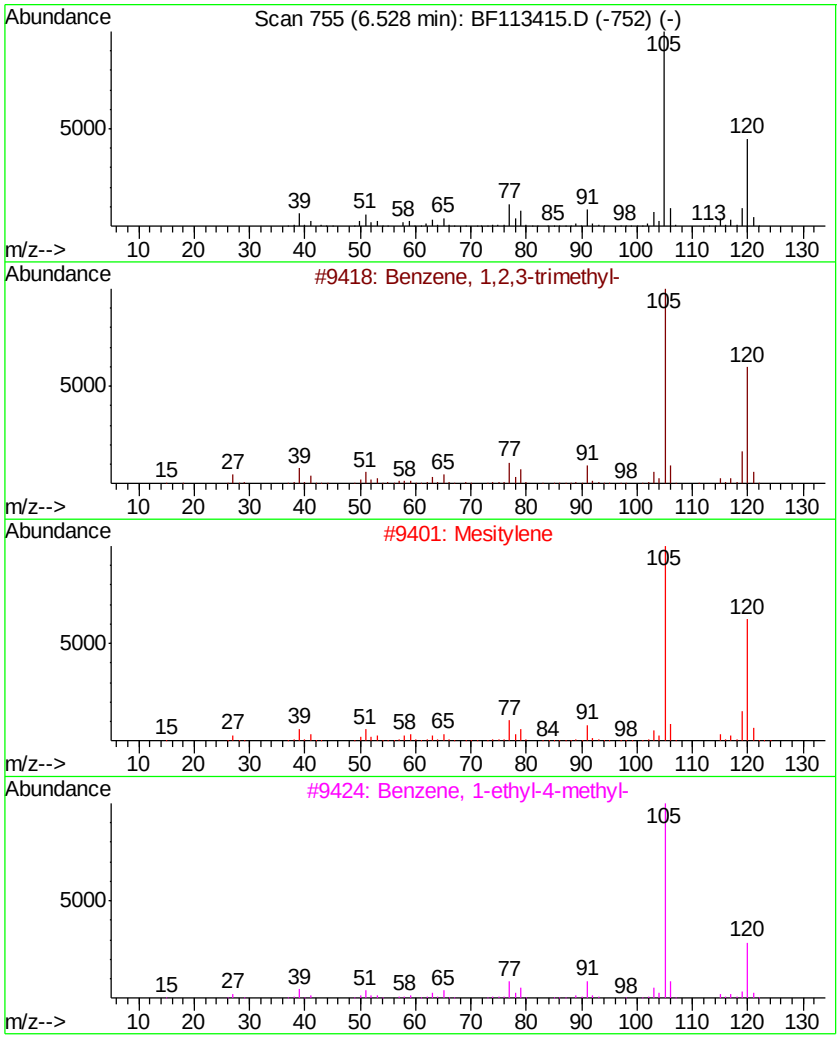
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

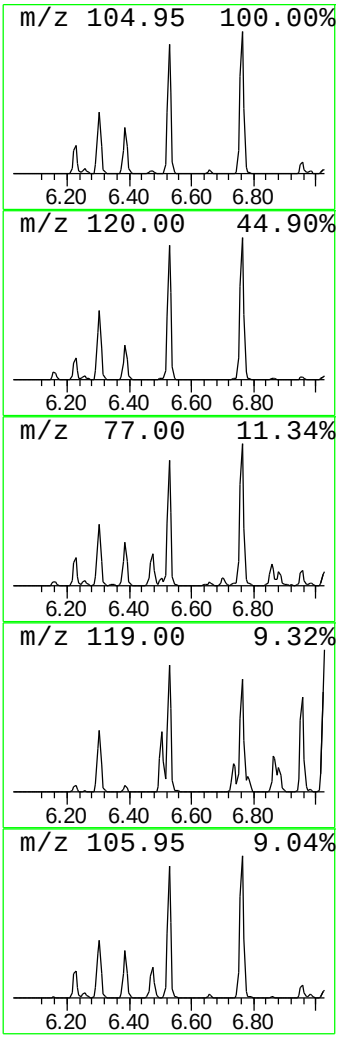
****

Peak Number 3 Benzene, 1-ethyl-4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	35.56 ng	1419730	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
Data File : BF113415.D
Acq On : 29 Mar 2019 16:00
Operator : JU/SJ
Sample : K2121-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

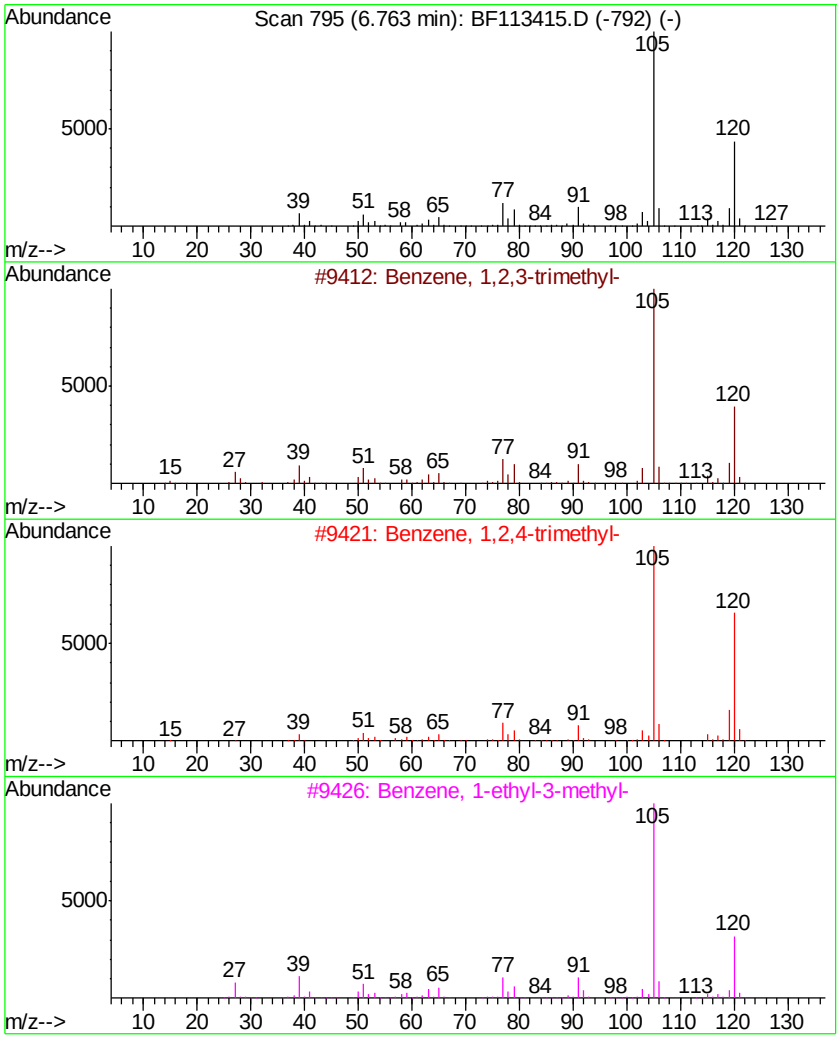
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

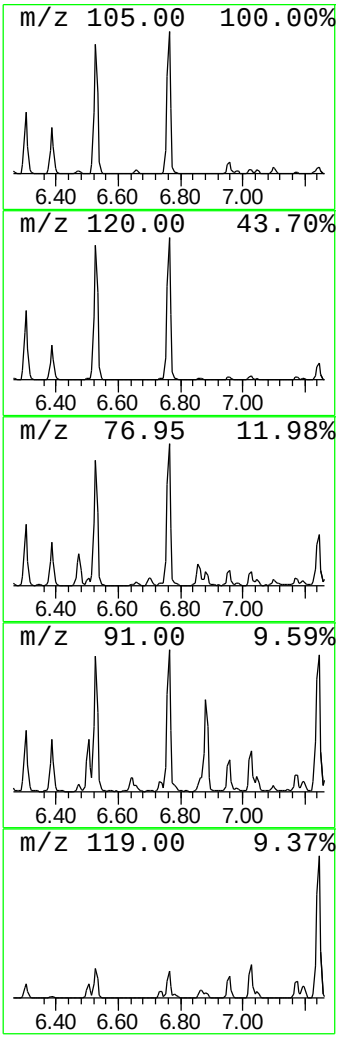
****

Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	41.00 ng	1636610	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
Data File : BF113415.D
Acq On : 29 Mar 2019 16:00
Operator : JU/SJ
Sample : K2121-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

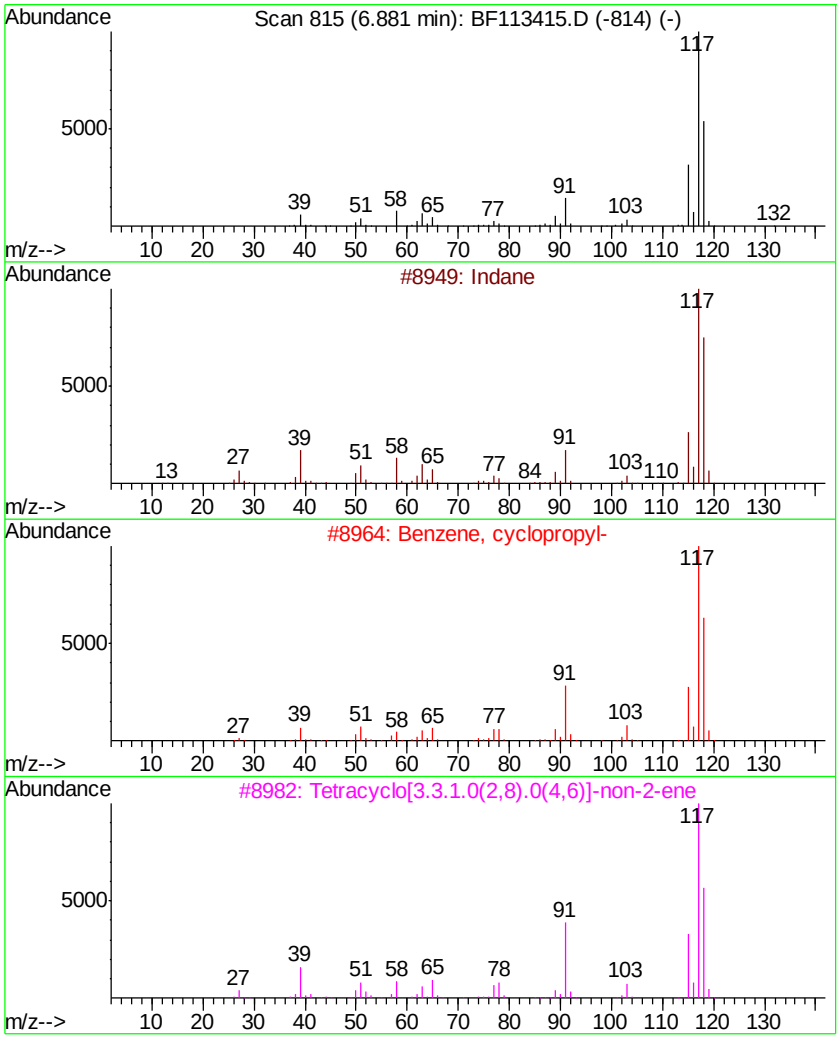
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

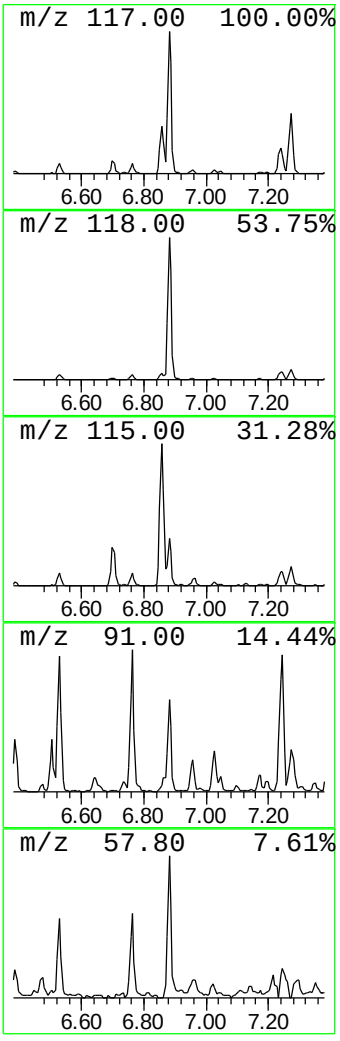
****

Peak Number 6 Indane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	17.48 ng	697707	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
4	Deltacyclene	118	C9H10	007785-10-6	64
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59





Library Search Compound Report

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Acq On : 29 Mar 2019 16:00
Operator : JU/SJ
Sample : K2121-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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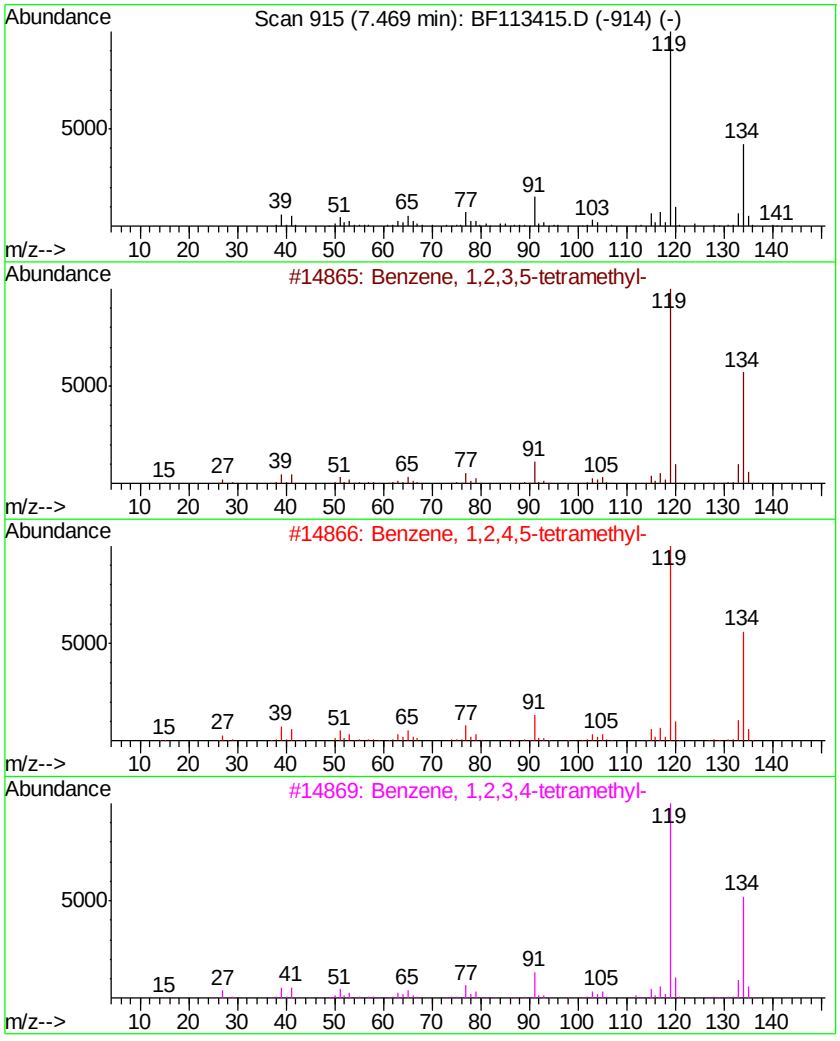
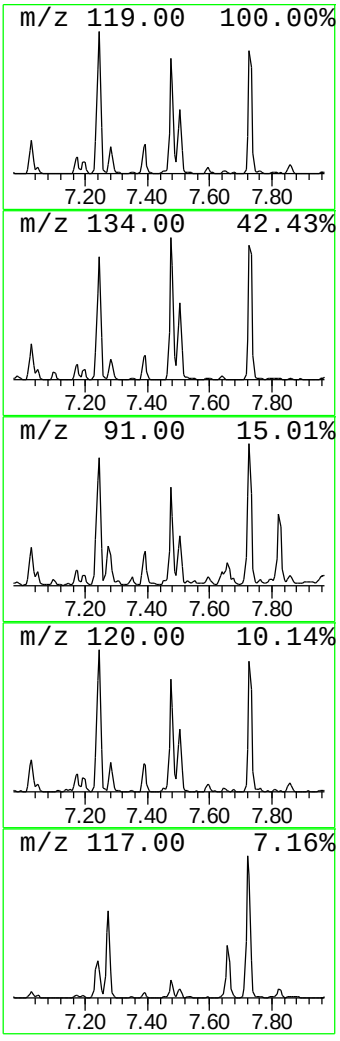
Peak Number 7 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	12.28 ng	758420	Naphthalene-d8	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	p-Cymene	134	C10H14	000099-87-6	91





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Sample : K2121-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-1

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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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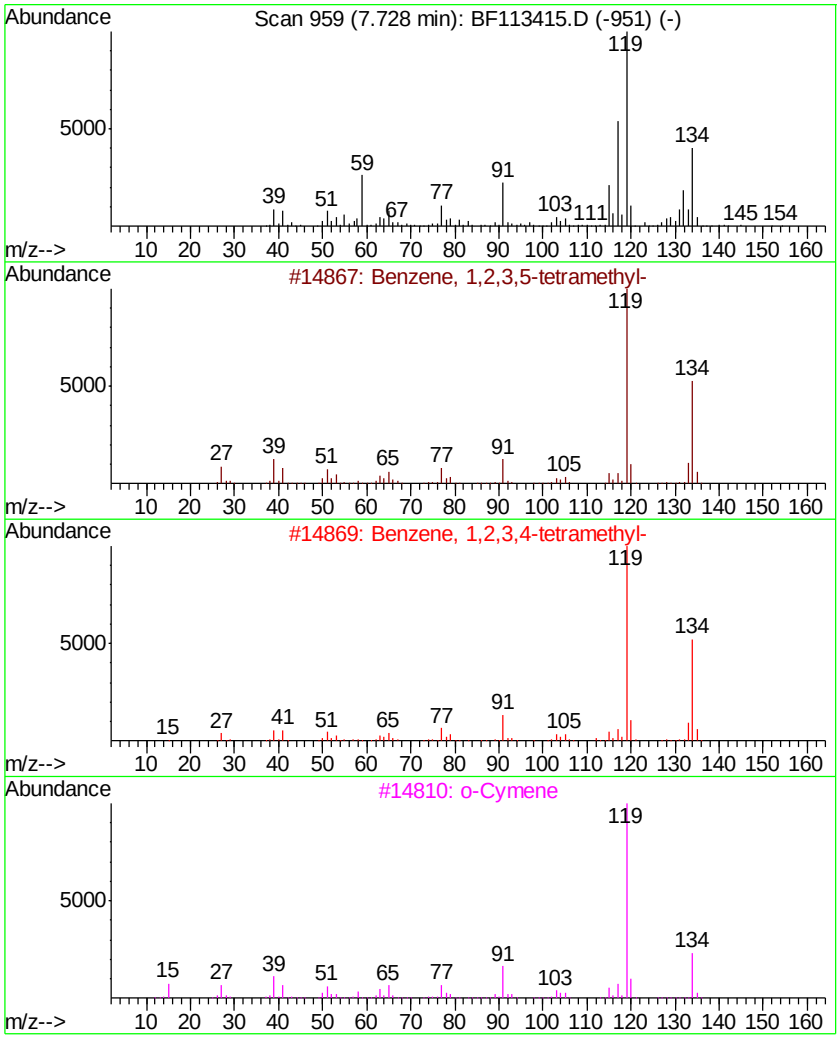
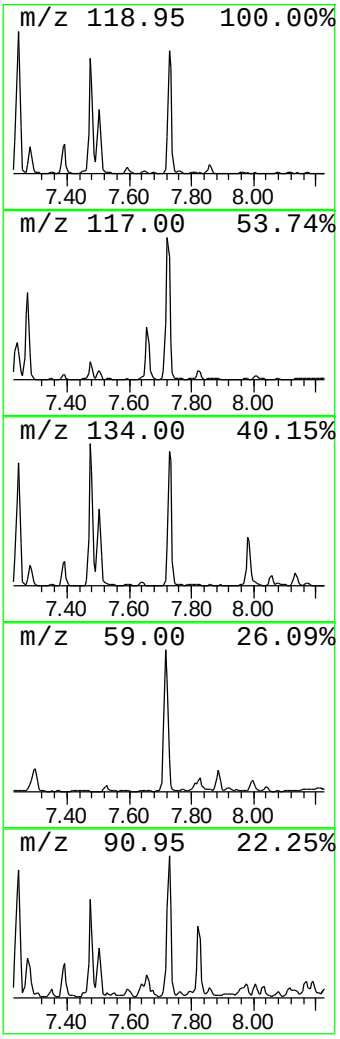
Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	36.22 ng	2237010	Naphthalene-d8	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	60
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	60
3	o-Cymene	134	C10H14	000527-84-4	60
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60





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Instrument : BNA_F
ClientSampleId : TW-1

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

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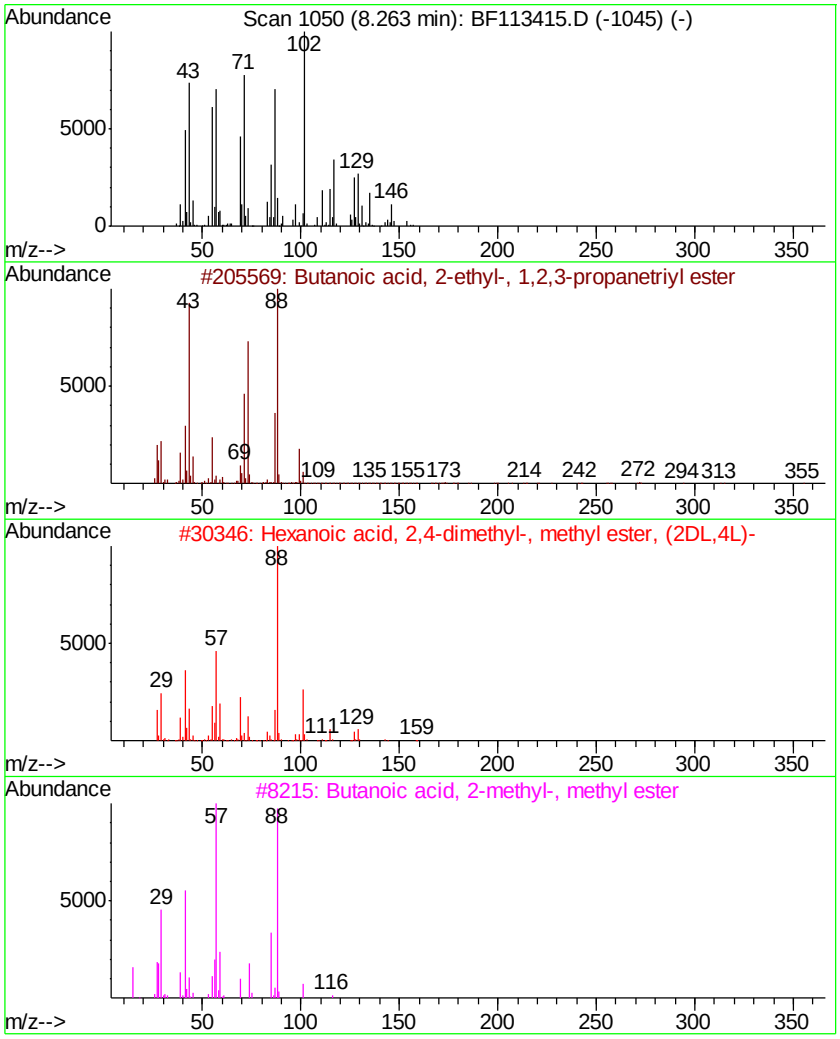
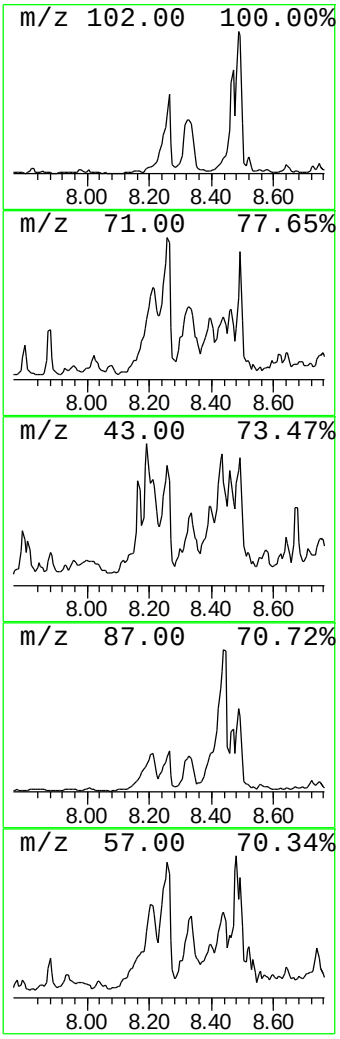
Peak Number 9 unknown8.26 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	21.85 ng	1349390	Naphthalene-d8	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	32
2	Hexanoic acid, 2,4-dimethyl-, me...	158	C9H18O2	014251-44-6	22
3	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	22
4	Methyl 4,6-di-O-acetyl-2,3-di-O-...	306	C13H22O8	072962-69-7	12
5	Butanoic acid, ethyl ester	116	C6H12O2	000105-54-4	11





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Operator : JU/SJ
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-1

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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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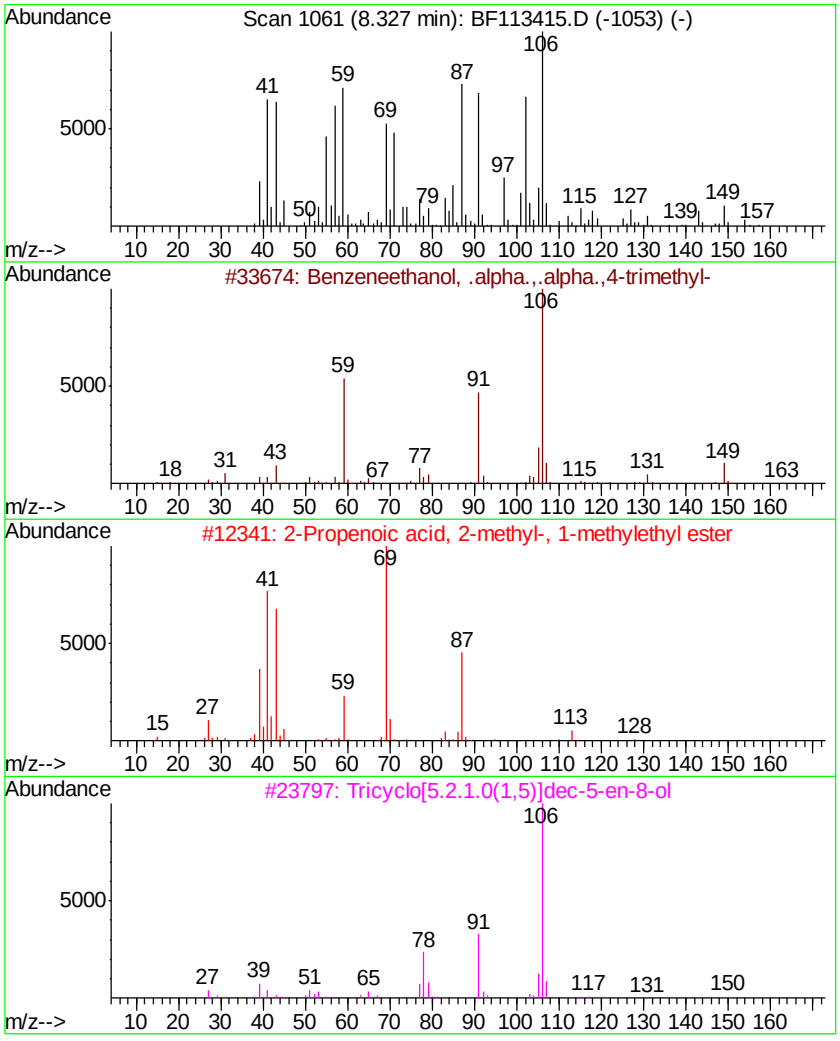
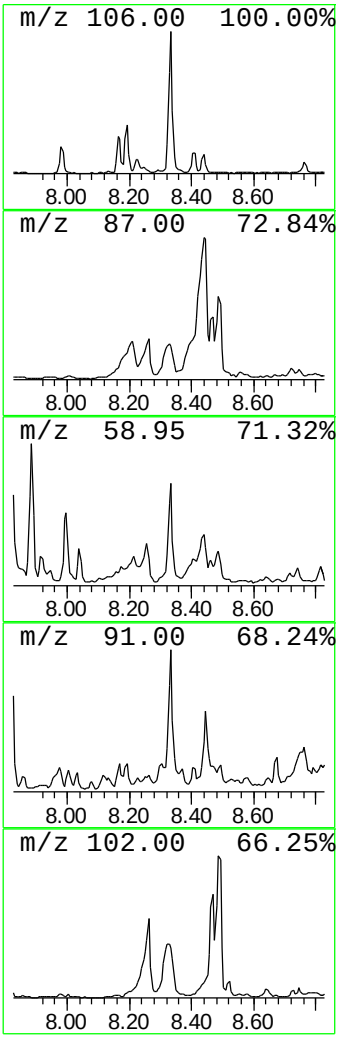
Peak Number 10 unknown8.33 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	26.13 ng	1613640	Naphthalene-d8	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .alpha.,.alpha.,...	164	C11H16O	020834-59-7	38
2	2-Propenoic acid, 2-methyl-, 1-m...	128	C7H12O2	004655-34-9	25
3	Tricyclo[5.2.1.0(1,5)]dec-5-en-8-ol	150	C10H14O	1000188-20-8	18
4	p-Xylene	106	C8H10	000106-42-3	14
5	3,5-Octadiyne	106	C8H10	016387-70-5	14





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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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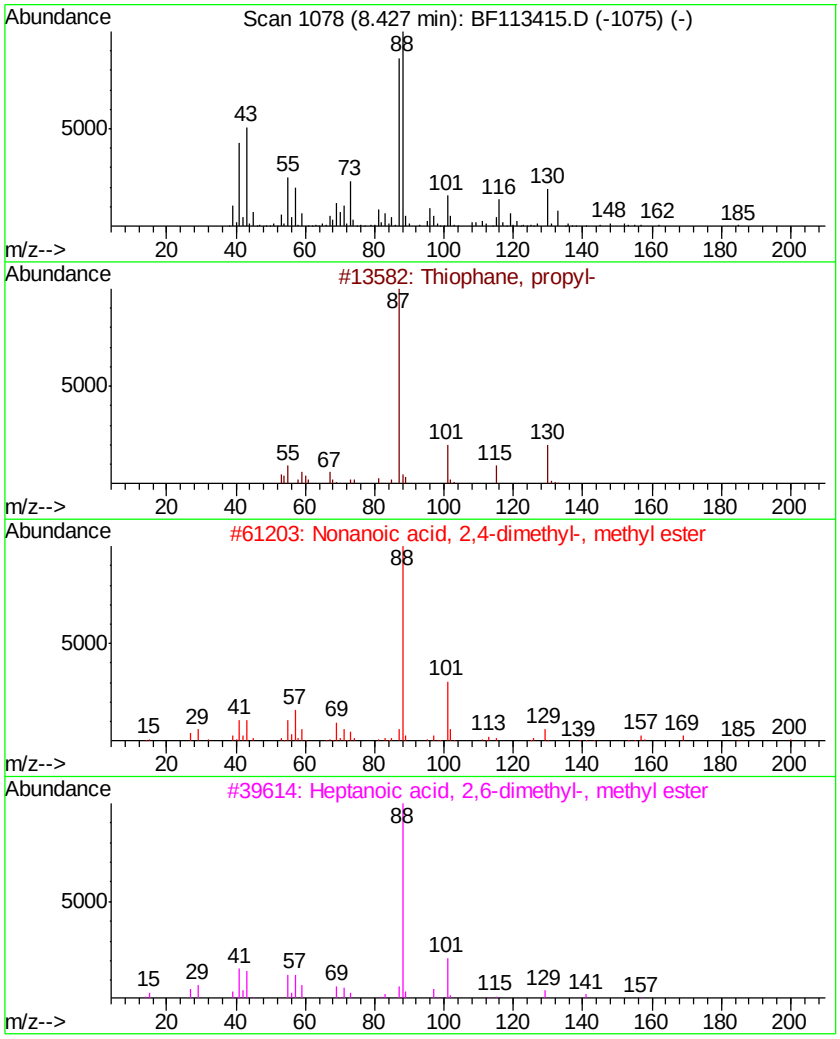
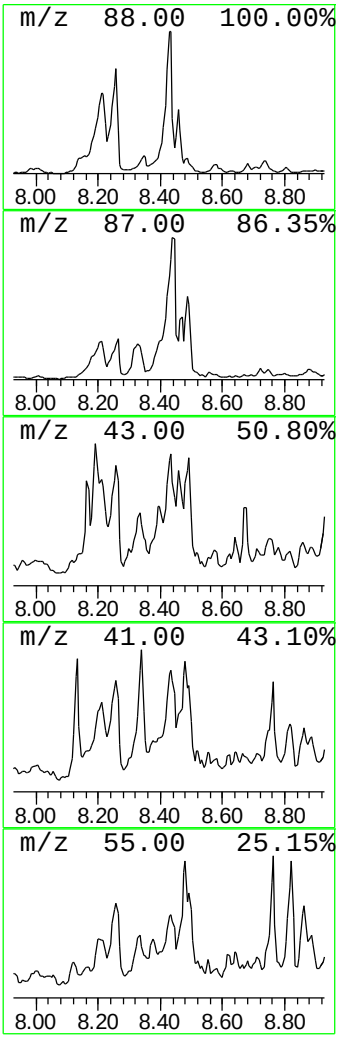
Peak Number 11 unknown8.43 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	28.00 ng	1729070	Naphthalene-d8	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophane, propyl-	130	C7H14S	001551-34-4	43
2	Nonanoic acid, 2,4-dimethyl-, me...	200	C12H24O2	054889-61-1	38
3	Heptanoic acid, 2,6-dimethyl-, m...	172	C10H20O2	033315-72-9	35
4	Octanoic acid, 2-methyl-, methyl...	172	C10H20O2	002177-86-8	35
5	Heptanoic acid, 2,4-dimethyl-, m...	172	C10H20O2	018524-86-2	32





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Instrument : BNA_F
ClientSampleId : TW-1

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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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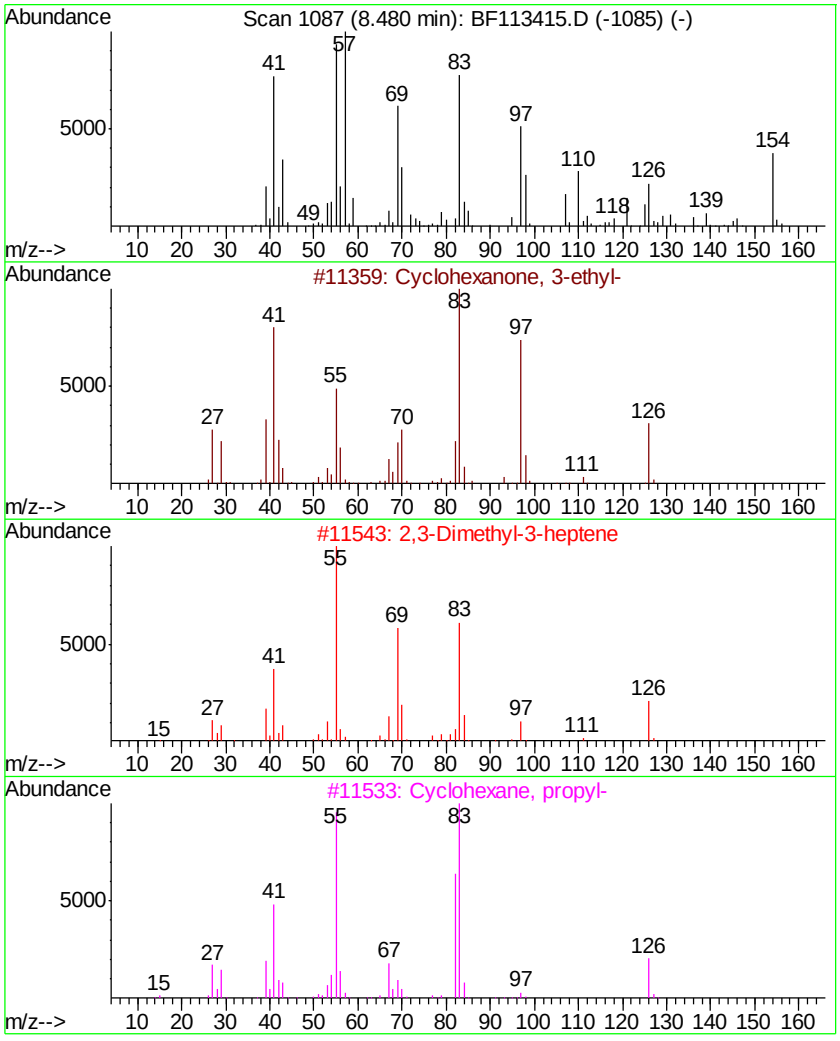
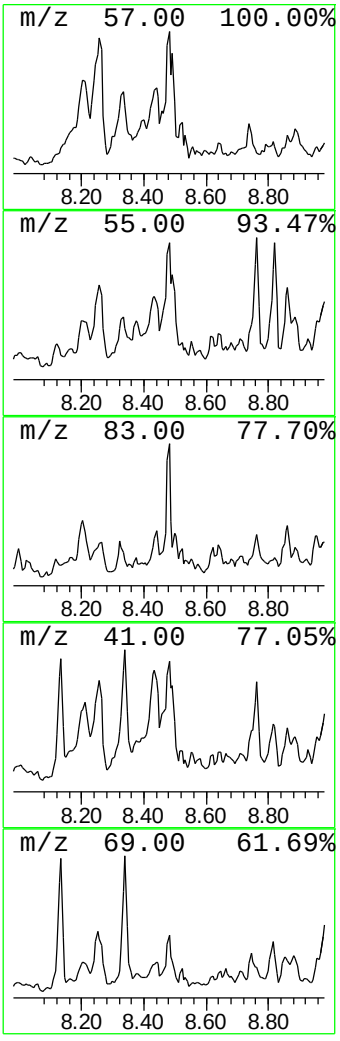
Peak Number 12 Cyclohexanone, 3-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	22.78 ng	1406640	Naphthalene-d8	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3-ethyl-	126	C8H14O	022461-89-8	52
2	2,3-Dimethyl-3-heptene	126	C9H18	1000113-49-3	43
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	38
4	1,3-Cyclohexanedione, 2,5,5-trim...	154	C9H14O2	001125-11-7	38
5	Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	38





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Misc :
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Instrument : BNA_F
ClientSampleId : TW-1

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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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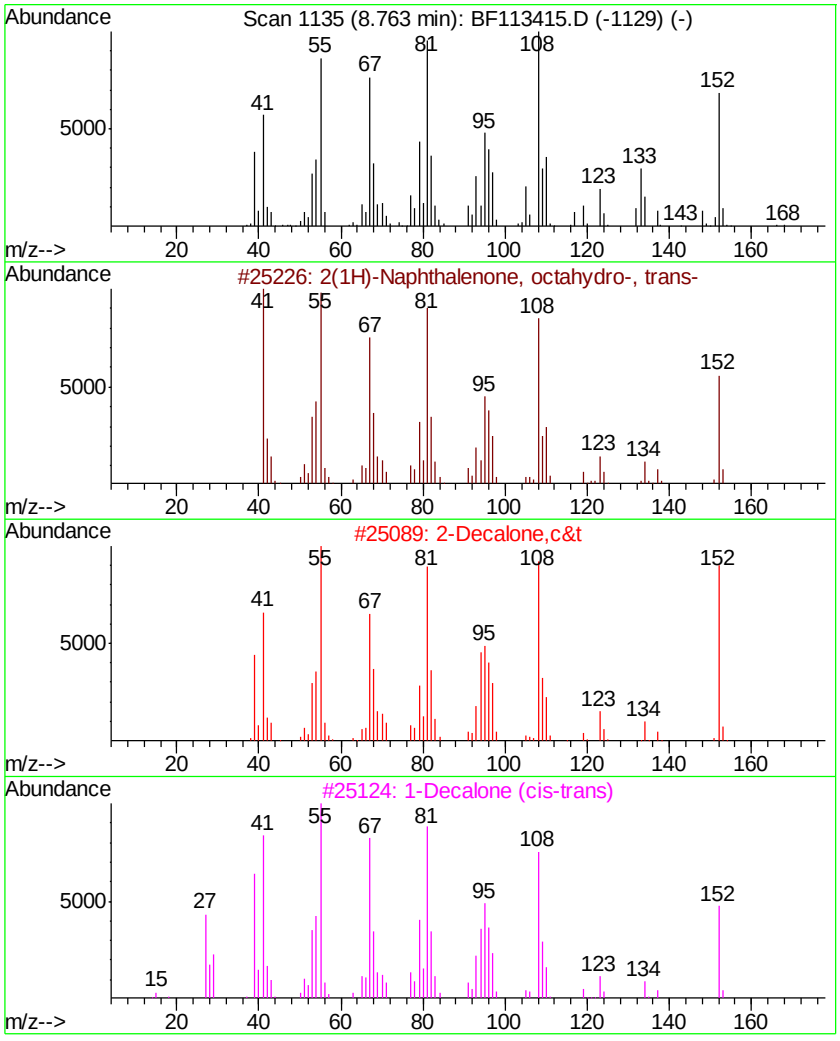
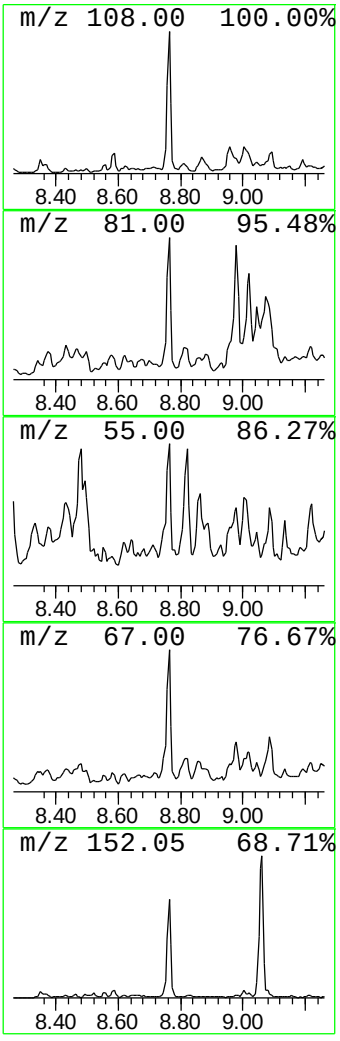
Peak Number 13 2(1H)-Naphthalenone, octahy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	22.79 ng	1407280	Naphthalene-d8	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Naphthalenone, octahydro-,...	152	C10H16O	016021-08-2	96
2	2-Decalone,c&t	152	C10H16O	004832-17-1	93
3	1-Decalone (cis-trans)	152	C10H16O	004832-16-0	91
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	60
5	1H-Inden-1-one, octahydro-7a-met...	152	C10H16O	017428-83-0	49





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Misc :
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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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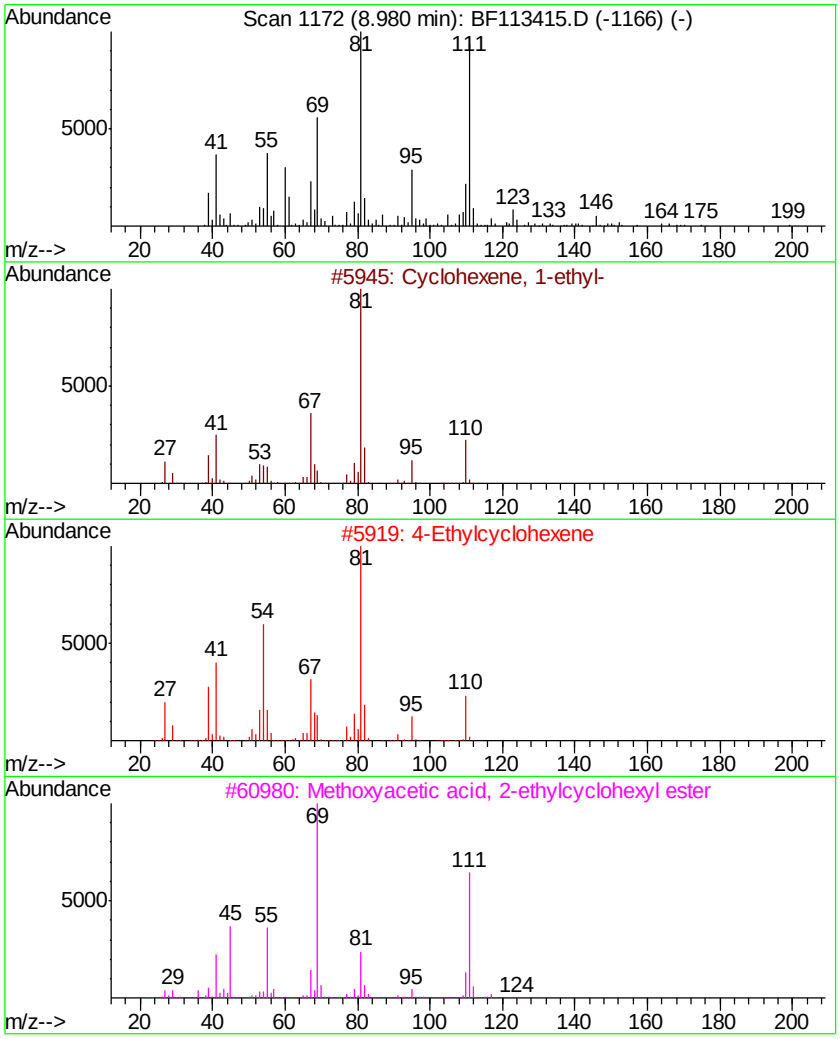
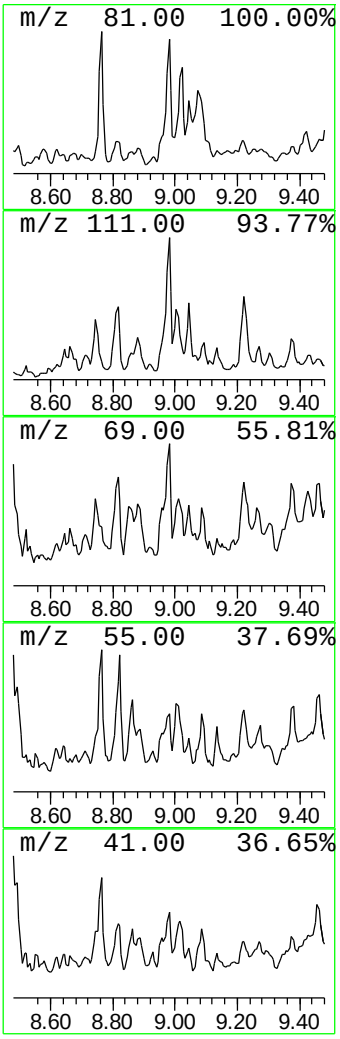
Peak Number 14 unknown8.98 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.98	15.98 ng	923003	Acenaphthene-d10	9.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	38
2	4-Ethylcyclohexene	110	C8H14	003742-42-5	38
3	Methoxyacetic acid, 2-ethylcyclo...	200	C11H20O3	1000282-69-7	38
4	Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	35
5	2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	27





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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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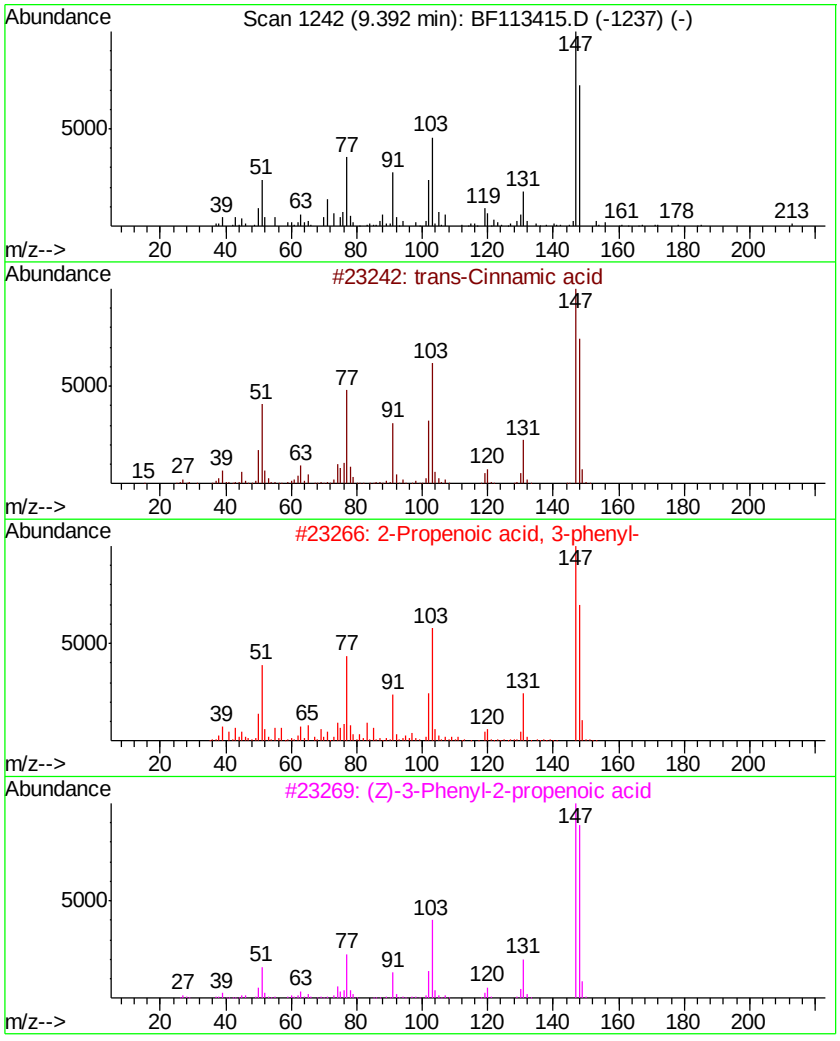
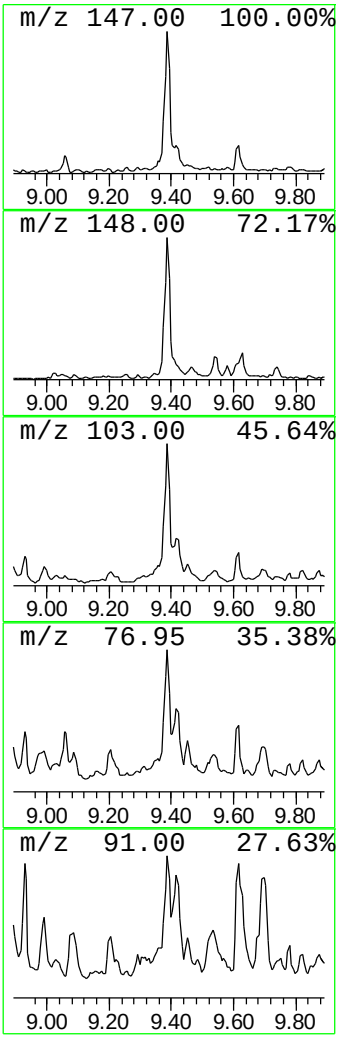
Peak Number 15 trans-Cinnamic acid Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	11.18 ng	645504	Acenaphthene-d10	9.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Cinnamic acid	148	C9H8O2	000140-10-3	95
2	2-Propenoic acid, 3-phenyl-	148	C9H8O2	000621-82-9	93
3	(Z)-3-Phenyl-2-propenoic acid	148	C9H8O2	000102-94-3	91
4	Bicyclo[4.2.0]octa-1,3,5-triene-...	148	C9H8O2	014381-41-0	68
5	Atropic acid	148	C9H8O2	000492-38-6	43





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ClientSampleId : TW-1

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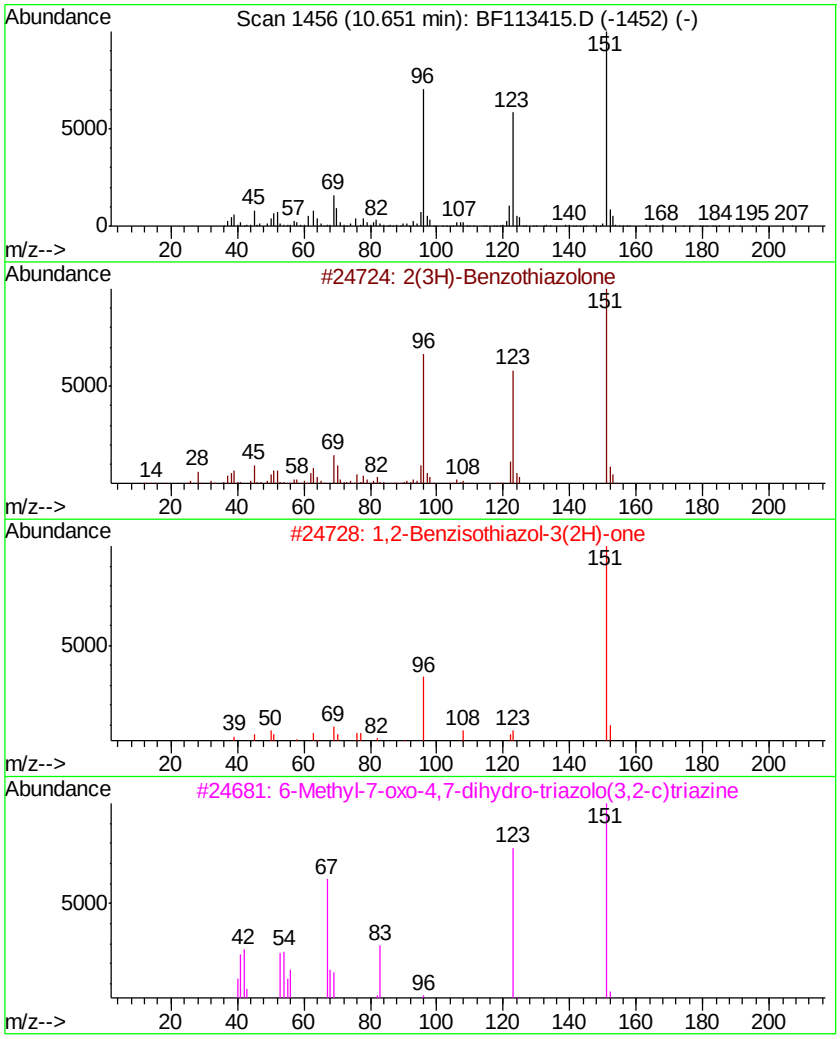
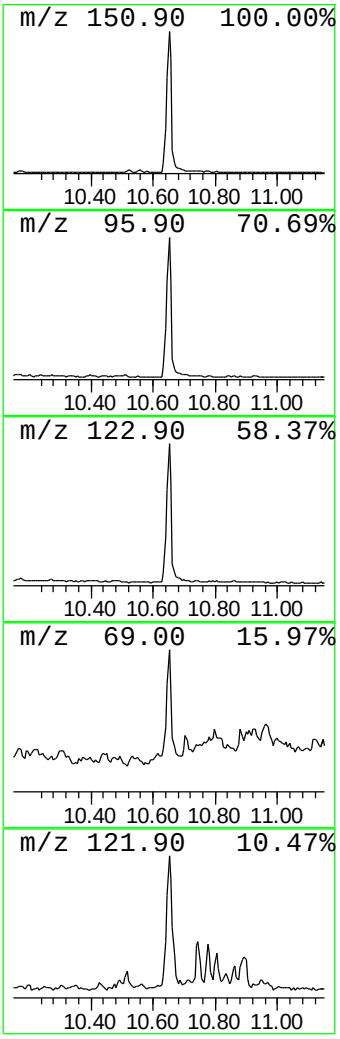
Peak Number 16 2(3H)-Benzothiazolone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	13.37 ng	860642	Phenanthrene-d10	11.21

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	53
3	6-Methyl-7-oxo-4,7-dihydro-triaz...	151	C5H5N5O	057250-39-2	50
4	t-Butylhydroquinone	166	C10H14O2	001948-33-0	40
5	2(3H)-Benzoxazolethione	151	C7H5NOS	002382-96-9	38





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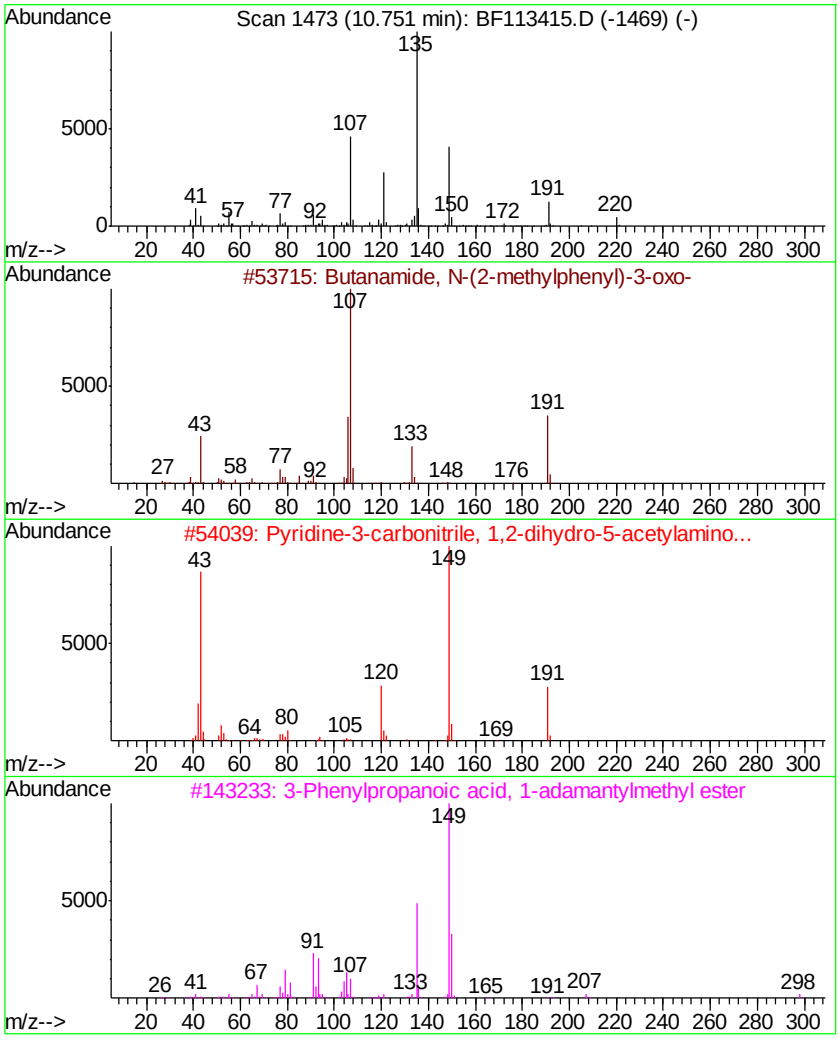
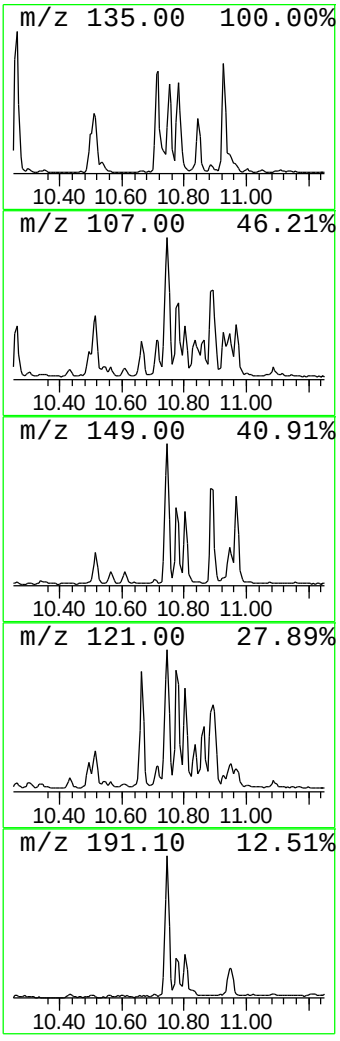
Peak Number 17 unknown10.75 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	11.34 ng	730166	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide, N-(2-methylphenyl)-3...	191	C11H13NO2	000093-68-5	38
2	Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	38
3	3-Phenylpropanoic acid, 1-adaman...	298	C20H26O2	1000282-93-6	35
4	Butanamide, N-(4-methylphenyl)-3...	191	C11H13NO2	002415-85-2	35
5	Phenol, 2-methyl-4-(1,1,3,3-tetr...	220	C15H24O	002219-84-3	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
Data File : BF113415.D
Acq On : 29 Mar 2019 16:00
Operator : JU/SJ
Sample : K2121-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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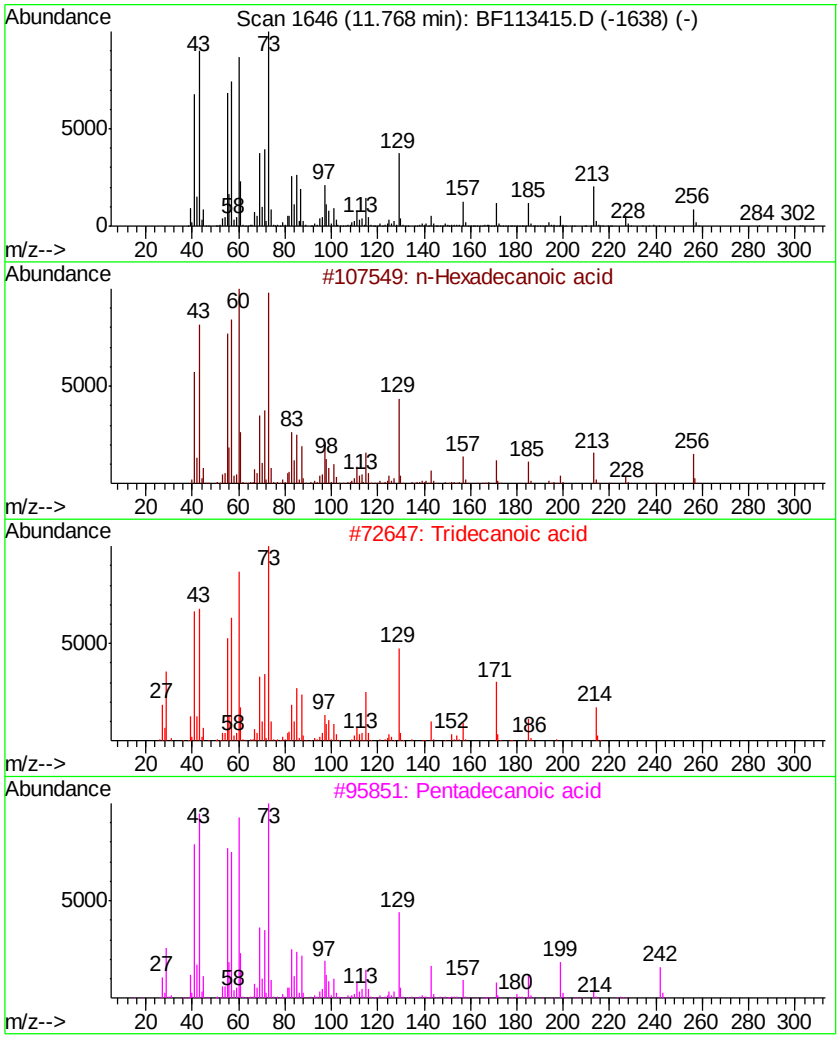
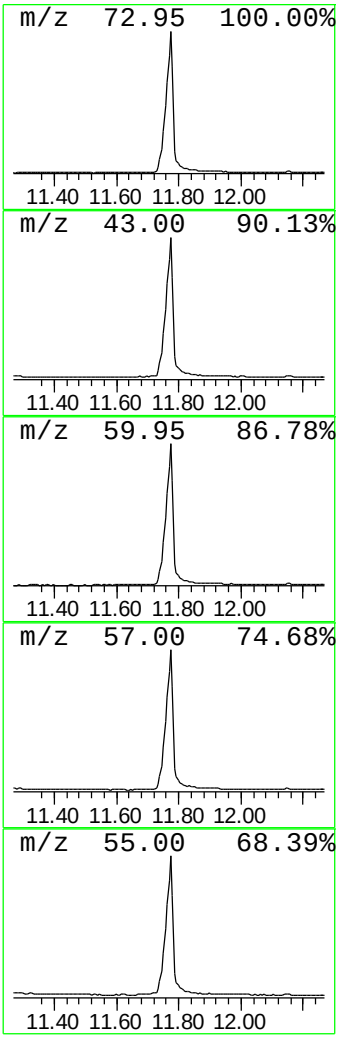
Peak Number 18 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	105.81 ng	6810650	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
Data File : BF113415.D
Acq On : 29 Mar 2019 16:00
Operator : JU/SJ
Sample : K2121-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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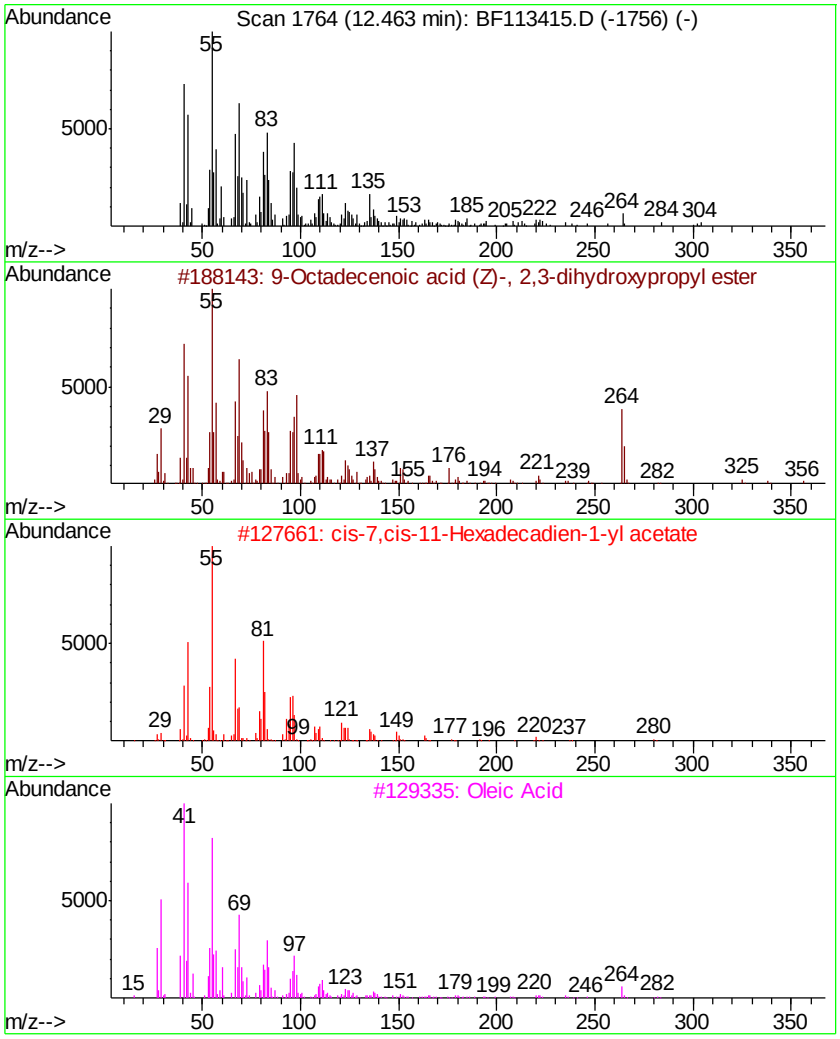
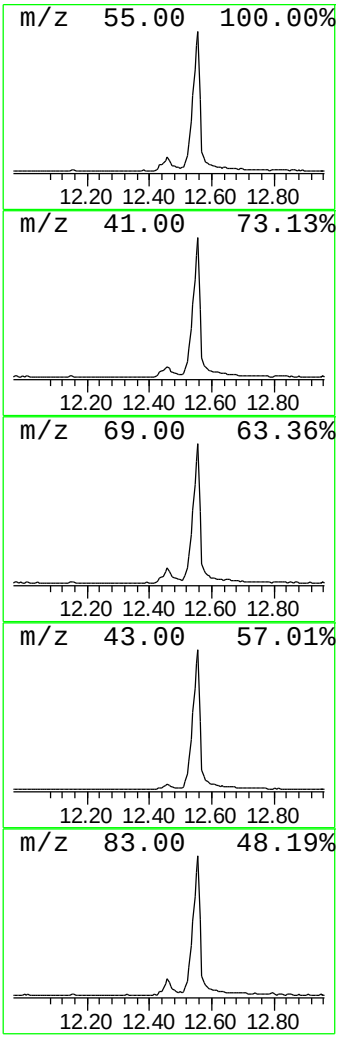
Peak Number 19 9-Octadecenoic acid (Z)-, 2... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	12.66 ng	815149	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, 2,3-di...	356	C21H40O4	000111-03-5	83
2	cis-7,cis-11-Hexadecadien-1-yl a...	280	C18H32O2	052207-99-5	64
3	Oleic Acid	282	C18H34O2	000112-80-1	62
4	cis-Vaccenic acid	282	C18H34O2	000506-17-2	62
5	cis-9-Hexadecenoic acid	254	C16H30O2	1000333-19-5	62





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
Data File : BF113415.D
Acq On : 29 Mar 2019 16:00
Operator : JU/SJ
Sample : K2121-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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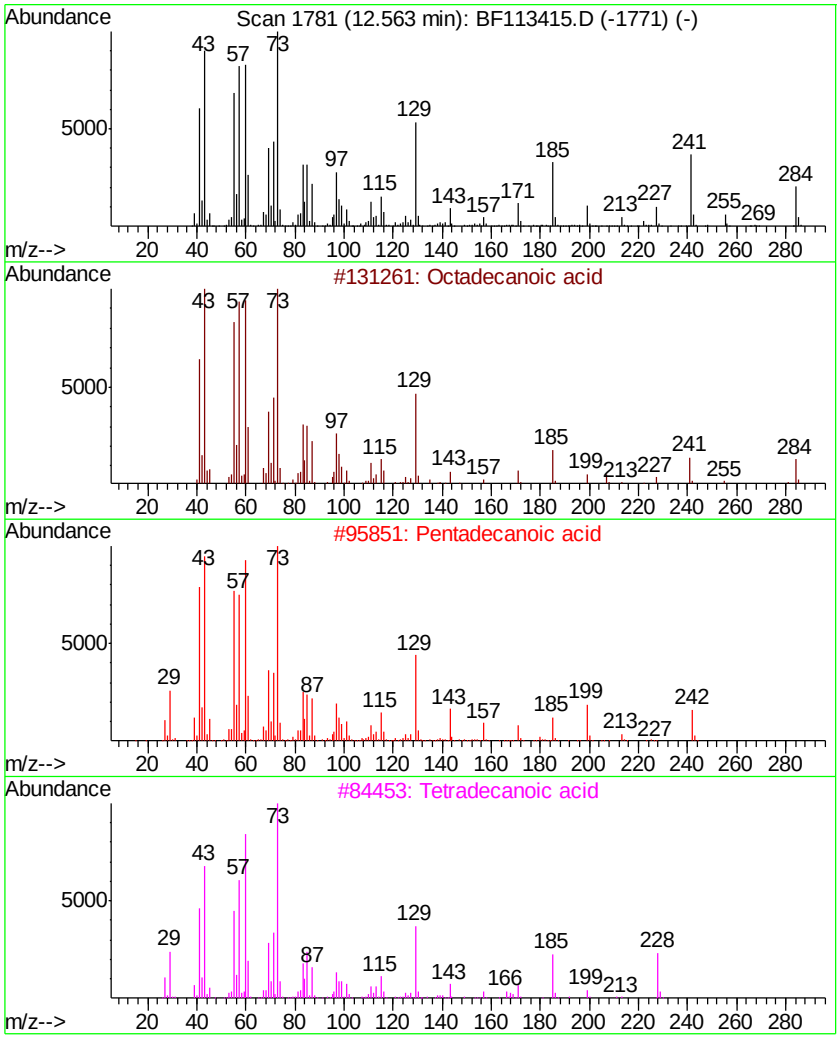
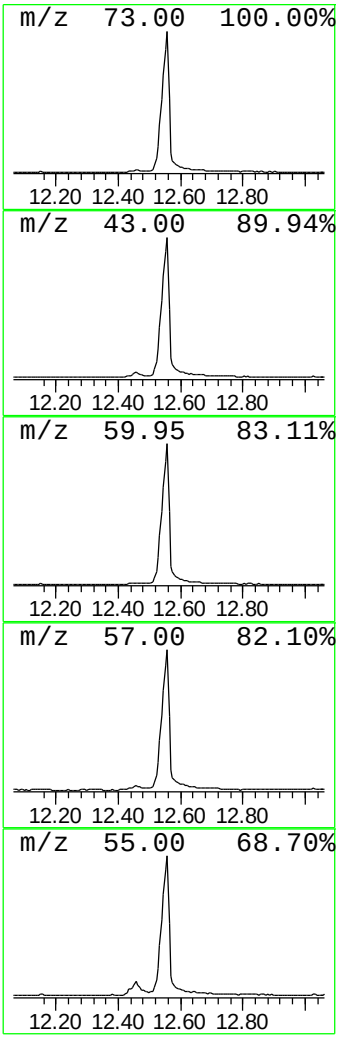
Peak Number 20 Octadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	130.39 ng	8732290	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	n-Decanoic acid	172	C10H20O2	000334-48-5	70
5	Oxalic acid, propyl tetradecyl e...	328	C19H36O4	1000309-26-7	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
Data File : BF113415.D
Acq On : 29 Mar 2019 16:00
Operator : JU/SJ
Sample : K2121-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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
Benzene, 1,3-dime...	5.53	14.8	ng	592393	1	6.70	798410	20.0
unknown6.47	6.47	72.0	ng	2873000	1	6.70	798410	20.0
Benzene, 1-ethyl-...	6.53	35.6	ng	1419730	1	6.70	798410	20.0
Benzene, 1-ethyl-...	6.76	41.0	ng	1636610	1	6.70	798410	20.0
Indane	6.88	17.5	ng	697707	1	6.70	798410	20.0
Benzene, 1,2,3,5-...	7.47	12.3	ng	758420	2	7.98	1235250	20.0
Benzene, 1,2,3,4-...	7.73	36.2	ng	2237010	2	7.98	1235250	20.0
unknown8.26	8.26	21.9	ng	1349390	2	7.98	1235250	20.0
unknown8.33	8.33	26.1	ng	1613640	2	7.98	1235250	20.0
unknown8.43	8.43	28.0	ng	1729070	2	7.98	1235250	20.0
Cyclohexanone, 3-...	8.48	22.8	ng	1406640	2	7.98	1235250	20.0
2(1H)-Naphthaleno...	8.76	22.8	ng	1407280	2	7.98	1235250	20.0
unknown8.98	8.98	16.0	ng	923003	3	9.73	1154900	20.0
trans-Cinnamic acid	9.39	11.2	ng	645504	3	9.73	1154900	20.0
2(3H)-Benzothiazo...	10.65	13.4	ng	860642	4	11.21	1287320	20.0
unknown10.75	10.75	11.3	ng	730166	4	11.21	1287320	20.0
n-Hexadecanoic acid	11.77	105.8	ng	6810650	4	11.21	1287320	20.0
9-Octadecenoic ac...	12.46	12.7	ng	815149	4	11.21	1287320	20.0
Octadecanoic acid	12.56	130.4	ng	8732290	5	13.84	1339400	20.0