LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101970.D
Acq On : 9 Jan 2018 23:18
Operator : SJ/JU
Sample : J1049-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-C

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:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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	3.063	159	166	177	rBV	73736	145040	2.31%	0.188%
2	3.587	245	255	260	rBV	167545	273982	4.36%	0.355%
3	4.910	476	480	483	rBV	157240	163786	2.61%	0.212%
4	5.046	498	503	506	rVB2	95202	106719	1.70%	0.138%
5	5.328	546	551	554	rVV	2166998	2072242	32.99%	2.685%
6	5.504	578	581	586	rVB	245754	220278	3.51%	0.285%
7	6.063	672	676	682	rVB4	102244	152078	2.42%	0.197%
8	6.122	682	686	690	rBV	231552	266663	4.25%	0.345%
9	6.369	714	728	730	rBV2	2108049	2965533	47.21%	3.842%
10	6.493	745	749	752	rBV	3924355	3757786	59.82%	4.869%
11	6.563	757	761	764	rVB5	87949	134114	2.14%	0.174%
12	6.593	764	766	773	rVB3	88010	131467	2.09%	0.170%
13	6.675	774	780	785	rBV4	80033	141951	2.26%	0.184%
14	6.728	785	789	793	rBV	1722354	1480431	23.57%	1.918%
15	6.793	795	800	801	rBV2	407666	355166	5.65%	0.460%
16	6.887	811	816	819	rBV	3994191	3748274	59.67%	4.856%
17	6.981	829	832	835	rBV2	166975	157348	2.50%	0.204%
18	7.051	841	844	846	rBV2	98865	108654	1.73%	0.141%
19	7.075	846	848	853	rVB	125982	110785	1.76%	0.144%
20	7.134	853	858	861	rBV	595446	633311	10.08%	0.821%
21	7.175	861	865	869	rVB3	152171	205152	3.27%	0.266%
22	7.257	874	879	880	rBV2	131658	172627	2.75%	0.224%
23	7.293	880	885	888	rVV	2921571	3030938	48.25%	3.927%
24	7.328	888	891	894	rVV	1982802	1540483	24.52%	1.996%
25	7.381	896	900	903	rBV4	144281	201187	3.20%	0.261%
26	7.410	903	905	907	rVV2	251164	272107	4.33%	0.353%
27	7.440	908	910	912	rVV	238001	234267	3.73%	0.304%
28	7.481	912	917	919	rVV3	306883	468493	7.46%	0.607%
29	7.498	919	920	923	rVB	212404	160935	2.56%	0.209%
30	7.540	923	927	930	rBV	498376	588293	9.37%	0.762%
31	7.569	930	932	936	rVB3	205253	223750	3.56%	0.290%
32	7.669	946	949	950	rBV	174713	150002	2.39%	0.194%
33	7.722	954	958	959	rBV	447539	411730	6.55%	0.533%
34	7.745	959	962	963	rVV	1057219	1193685	19.00%	1.547%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101970.D
Acq On : 9 Jan 2018 23:18
Operator : SJ/JU
Sample : J1049-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-C

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:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.763	963	965	968	rVV	3855975	2962801	47.17%	3.839%
36	7.816	968	974	977	rVV3	482451	594630	9.47%	0.770%
37	7.851	977	980	984	rVV2	407544	560397	8.92%	0.726%
38	7.922	988	992	994	rBV	860089	765236	12.18%	0.991%
39	7.951	994	997	1001	rBV2	414811	550125	8.76%	0.713%
40	7.981	1001	1002	1004	rVV	204014	153029	2.44%	0.198%
41	8.010	1004	1007	1009	rVV	1881495	1531242	24.38%	1.984%
42	8.045	1009	1013	1015	rVV	4458890	4076822	64.90%	5.282%
43	8.087	1018	1020	1022	rVV3	147392	147807	2.35%	0.192%
44	8.122	1023	1026	1029	rVV3	243874	248438	3.95%	0.322%
45	8.169	1031	1034	1041	rVB2	638076	684573	10.90%	0.887%
46	8.239	1042	1046	1050	rBV7	225119	308074	4.90%	0.399%
47	8.292	1050	1055	1058	rVB2	257031	311846	4.96%	0.404%
48	8.334	1059	1062	1064	rVB2	232914	185101	2.95%	0.240%
49	8.363	1064	1067	1070	rBV	923773	717500	11.42%	0.930%
50	8.422	1070	1077	1079	rBV4	372742	528853	8.42%	0.685%
51	8.445	1079	1081	1083	rVB2	151071	100561	1.60%	0.130%
52	8.469	1083	1085	1091	rBV4	325331	397111	6.32%	0.515%
53	8.516	1091	1093	1094	rVV2	108787	95668	1.52%	0.124%
54	8.534	1094	1096	1099	rVB3	260793	230240	3.67%	0.298%
55	8.581	1099	1104	1107	rBV4	231955	401883	6.40%	0.521%
56	8.651	1112	1116	1119	rBV	443410	393670	6.27%	0.510%
57	8.722	1122	1128	1130	rBV4	176273	271694	4.33%	0.352%
58	8.763	1133	1135	1138	rBV3	207961	173763	2.77%	0.225%
59	8.828	1143	1146	1148	rVB	307356	249300	3.97%	0.323%
60	8.863	1148	1152	1153	rBV3	113134	151579	2.41%	0.196%
61	8.886	1153	1156	1161	rVB6	265138	330892	5.27%	0.429%
62	8.975	1169	1171	1174	rVV3	198743	176508	2.81%	0.229%
63	9.092	1185	1191	1194	rVB	4288220	4158052	66.19%	5.387%
64	9.139	1196	1199	1201	rBV2	148197	123197	1.96%	0.160%
65	9.210	1206	1211	1217	rVB5	293544	686444	10.93%	0.889%
66	9.292	1223	1225	1229	rBV5	145986	154458	2.46%	0.200%
67	9.369	1235	1238	1240	rBV3	162510	137376	2.19%	0.178%
68	9.404	1242	1244	1246	rBV2	114475	103896	1.65%	0.135%
69	9.481	1255	1257	1259	rBV	211906	155415	2.47%	0.201%
70	9.610	1276	1279	1281	rBV3	104770	109651	1.75%	0.142%
71	9.710	1288	1296	1299	rBV	459894	661867	10.54%	0.858%

LSC Area Percent Report

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Operator : SJ/JU
Sample : J1049-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-C

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:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.763	1299	1305	1308	rBV2	1511418	1447785	23.05%	1.876%
73	9.904	1327	1329	1331	rBV2	149561	130650	2.08%	0.169%
74	10.069	1352	1357	1361	rVB	1320495	1605695	25.56%	2.080%
75	10.333	1399	1402	1406	rBV3	197227	376430	5.99%	0.488%
76	10.481	1425	1427	1430	rVB	134846	96220	1.53%	0.125%
77	10.551	1435	1439	1442	rVB	1895781	1692386	26.94%	2.193%
78	10.616	1448	1450	1452	rBV	159696	133393	2.12%	0.173%
79	10.681	1458	1461	1463	rVV	342073	313531	4.99%	0.406%
80	10.710	1464	1466	1469	rVB2	231553	220793	3.51%	0.286%
81	10.775	1475	1477	1480	rBV	208181	185611	2.95%	0.240%
82	11.045	1520	1523	1526	rBV2	400907	439599	7.00%	0.570%
83	11.245	1554	1557	1560	rBV	1072874	945356	15.05%	1.225%
84	11.363	1574	1577	1586	rVB	1852803	1578813	25.13%	2.046%
85	11.804	1649	1652	1655	rBV	851788	825998	13.15%	1.070%
86	11.875	1661	1664	1667	rVB	524419	443571	7.06%	0.575%
87	11.986	1677	1683	1685	rBV3	446329	687597	10.95%	0.891%
88	12.251	1725	1728	1732	rVB	661255	670736	10.68%	0.869%
89	12.586	1782	1785	1788	rBV	1119700	986239	15.70%	1.278%
90	12.733	1808	1810	1814	rVB	413020	365127	5.81%	0.473%
91	12.839	1824	1828	1831	rBV	2899771	2750575	43.79%	3.564%
92	13.386	1919	1921	1926	rVB	285257	232393	3.70%	0.301%
93	13.492	1936	1939	1943	rVB	340328	392592	6.25%	0.509%
94	13.580	1950	1954	1957	rBV2	978119	1309310	20.84%	1.696%
95	13.610	1957	1959	1967	rVB5	483194	615279	9.79%	0.797%
96	13.733	1972	1980	1990	rVB	3228306	6281666	100.00%	8.139%
97	13.886	2003	2006	2010	rVB	1325689	1271277	20.24%	1.647%
98	14.333	2079	2082	2086	rVB	529509	496315	7.90%	0.643%
99	15.310	2244	2248	2253	rVB	690625	784079	12.48%	1.016%
100	16.004	2363	2366	2381	rVB	174788	334971	5.33%	0.434%

Sum of corrected areas: 77182943

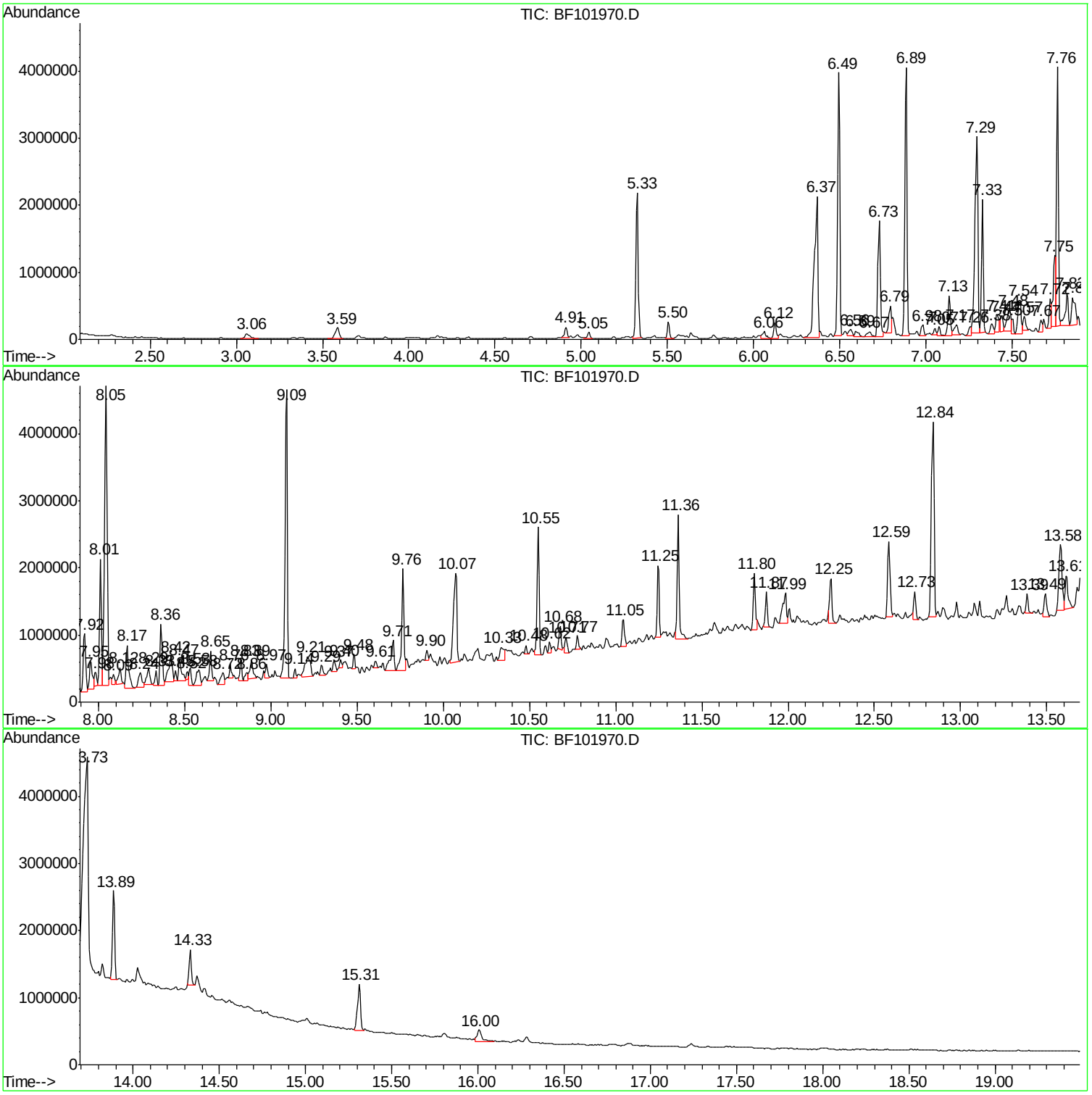
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101970.D
Acq On : 9 Jan 2018 23:18
Operator : SJ/JU
Sample : J1049-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101970.D
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Operator : SJ/JU
Sample : J1049-09
Misc :
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Instrument : BNA_F
ClientSampleId : MW-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

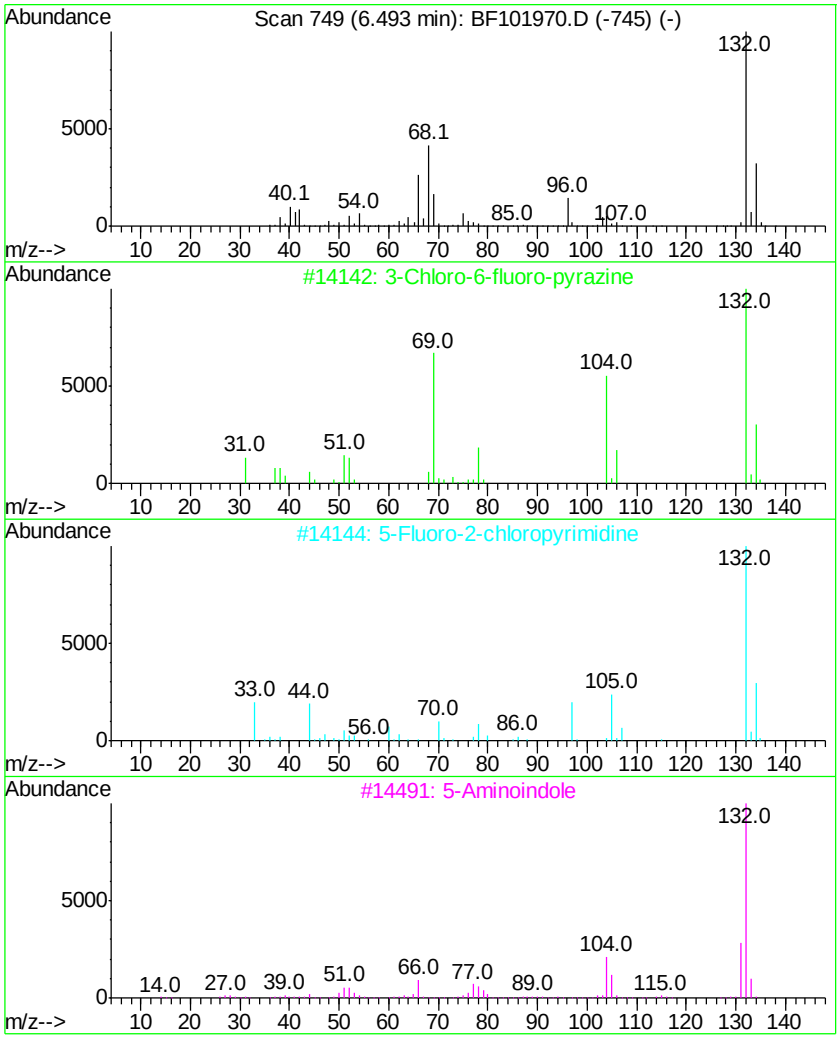
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

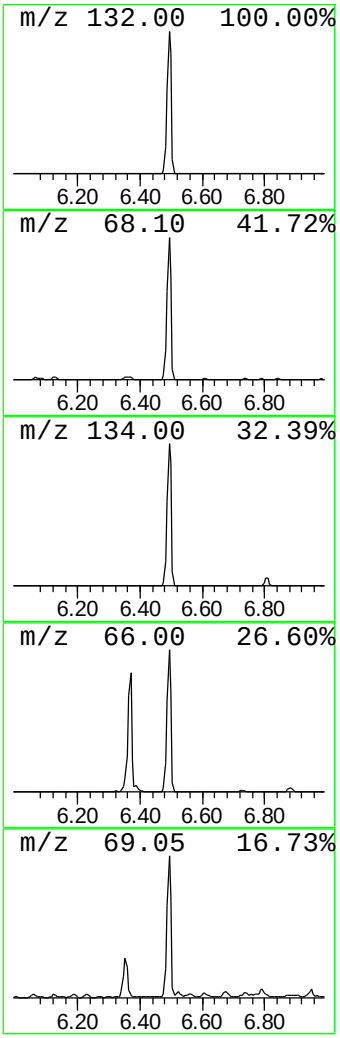
****

Peak Number 1 unknown6.49 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	50.77 ng	3757790	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101970.D
Acq On : 9 Jan 2018 23:18
Operator : SJ/JU
Sample : J1049-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

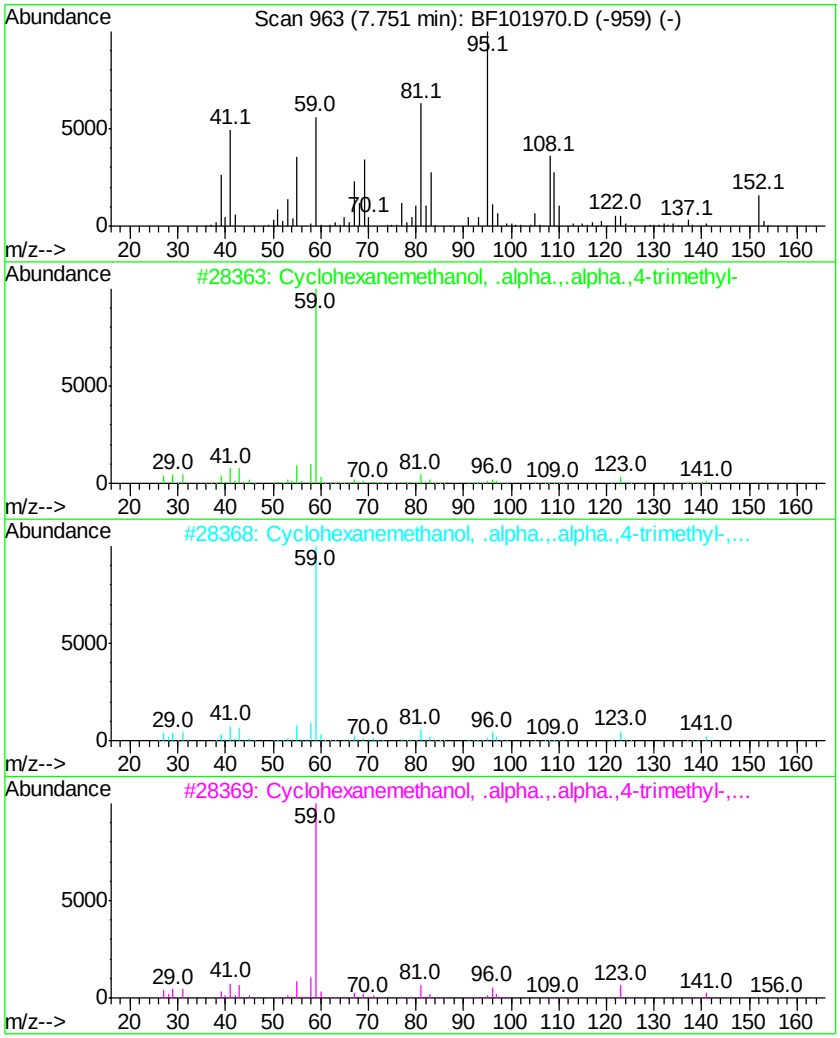
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

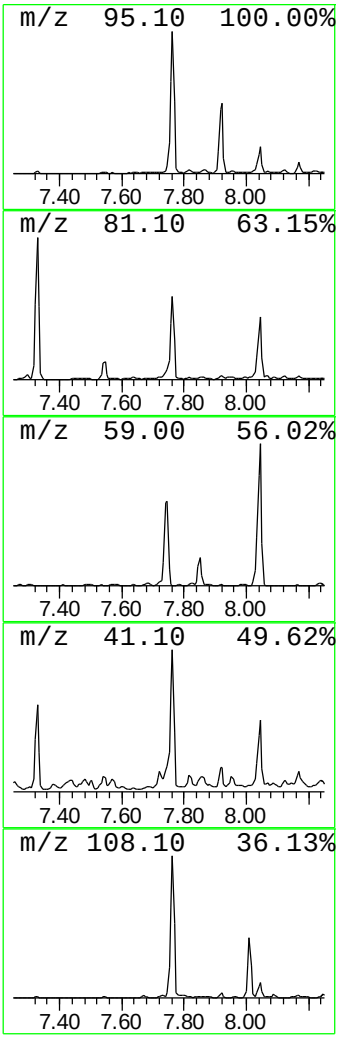
****

Peak Number 3 Cyclohexanemethanol, .alpha... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	15.59 ng	1193690	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	64
2	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	007322-63-6	64
3	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	005114-00-1	64
4	2,4-Dimethyl-4-penten-2-ol	114	C7H14O	019781-53-4	50
5	7-Octen-2-ol, 2,6-dimethyl-	156	C10H20O	018479-58-8	40





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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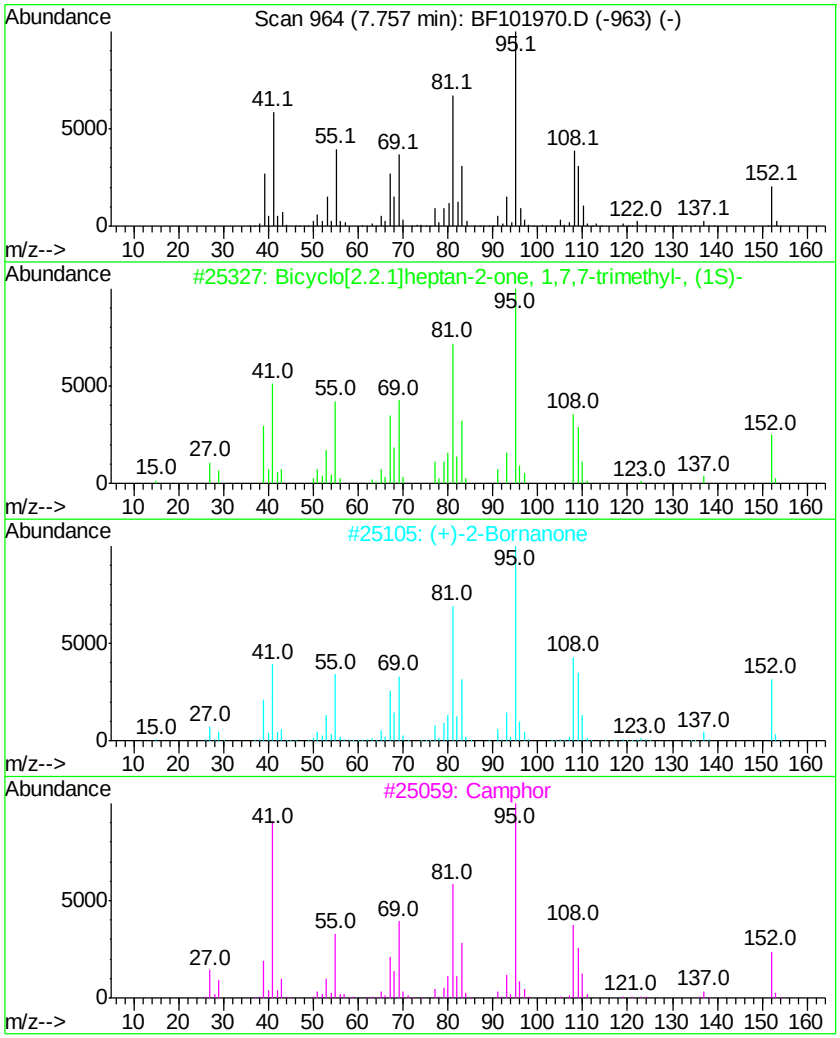
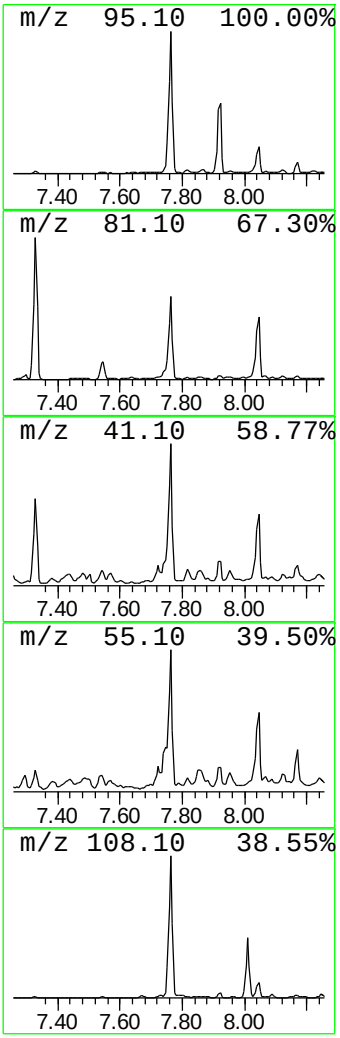
Peak Number 4 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	38.70 ng	2962800	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	97
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	97
3	Camphor	152	C10H16O	000076-22-2	97
4	5,7-Octadien-4-one, 2,6-dimethyl...	152	C10H16O	006752-80-3	49
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
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Sample : J1049-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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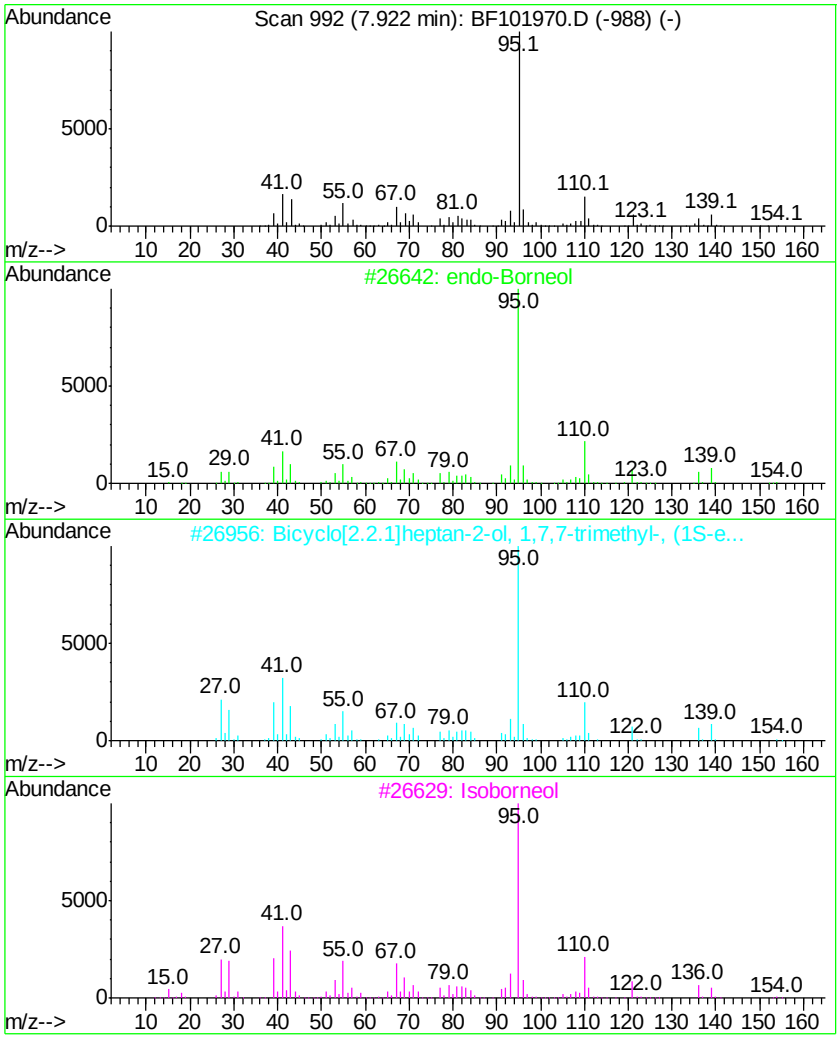
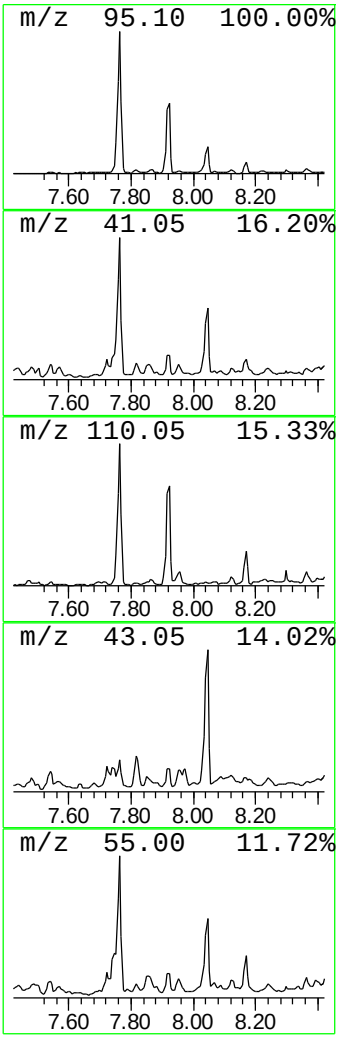
Peak Number 5 endo-Borneol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	9.99 ng	765236	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	endo-Borneol	154	C10H18O	000507-70-0	94
2	Bicyclo[2.2.1]heptan-2-ol, 1,7,7...	154	C10H18O	000464-45-9	91
3	Isoborneol	154	C10H18O	000124-76-5	91
4	(+)-Borneol	154	C10H18O	1000150-76-3	72
5	5,6-Dibromo-5-methyl-hex-1-ene	254	C7H12Br2	1000192-24-6	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101970.D
Acq On : 9 Jan 2018 23:18
Operator : SJ/JU
Sample : J1049-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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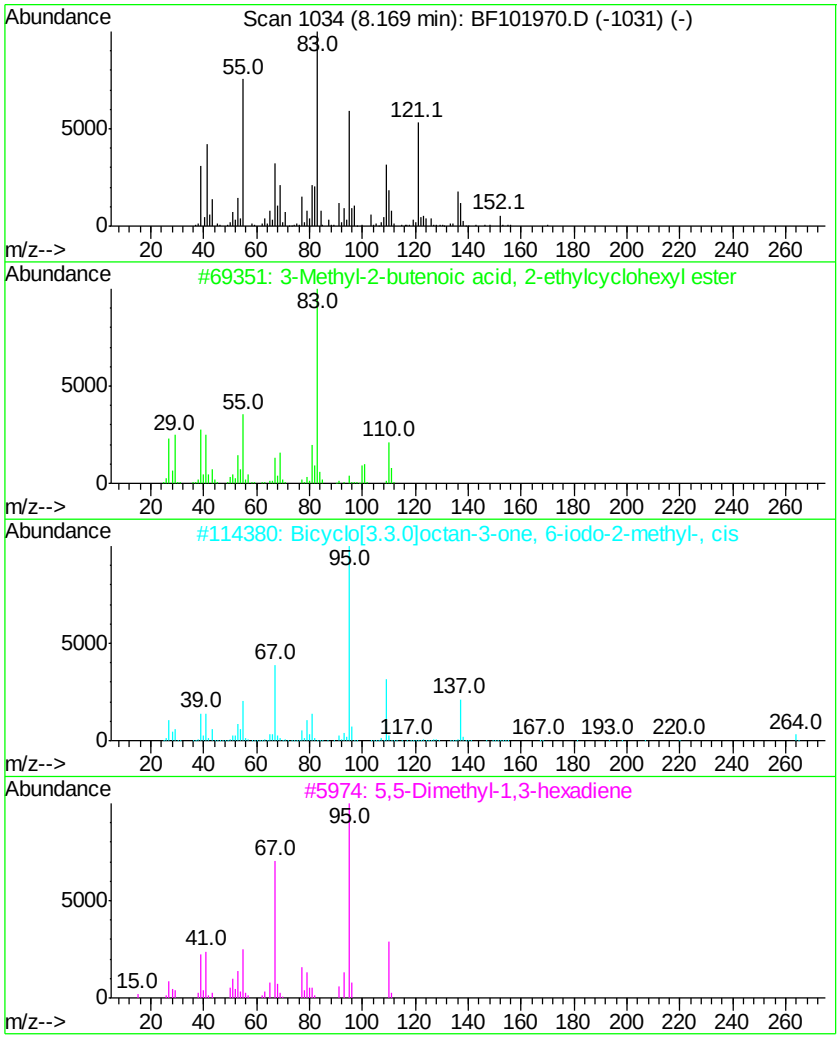
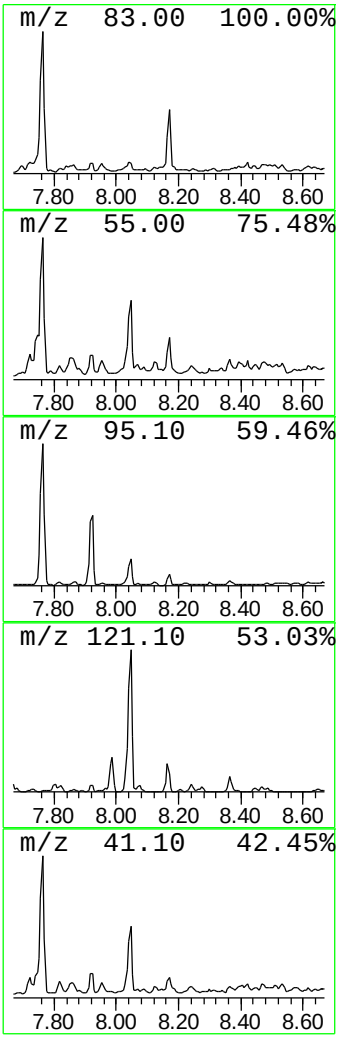
Peak Number 6 unknown8.17 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	8.94 ng	684573	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-2-butenoic acid, 2-ethyl...	210	C13H22O2	1000279-23-5	38
2	Bicyclo[3.3.0]octan-3-one, 6-iod...	264	C9H13IO	1000150-13-4	22
3	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	20
4	Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	18
5	4,4-Dimethyl-2-cyclopenten-1-one	110	C7H10O	022748-16-9	18





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Acq On : 9 Jan 2018 23:18
Operator : SJ/JU
Sample : J1049-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-C

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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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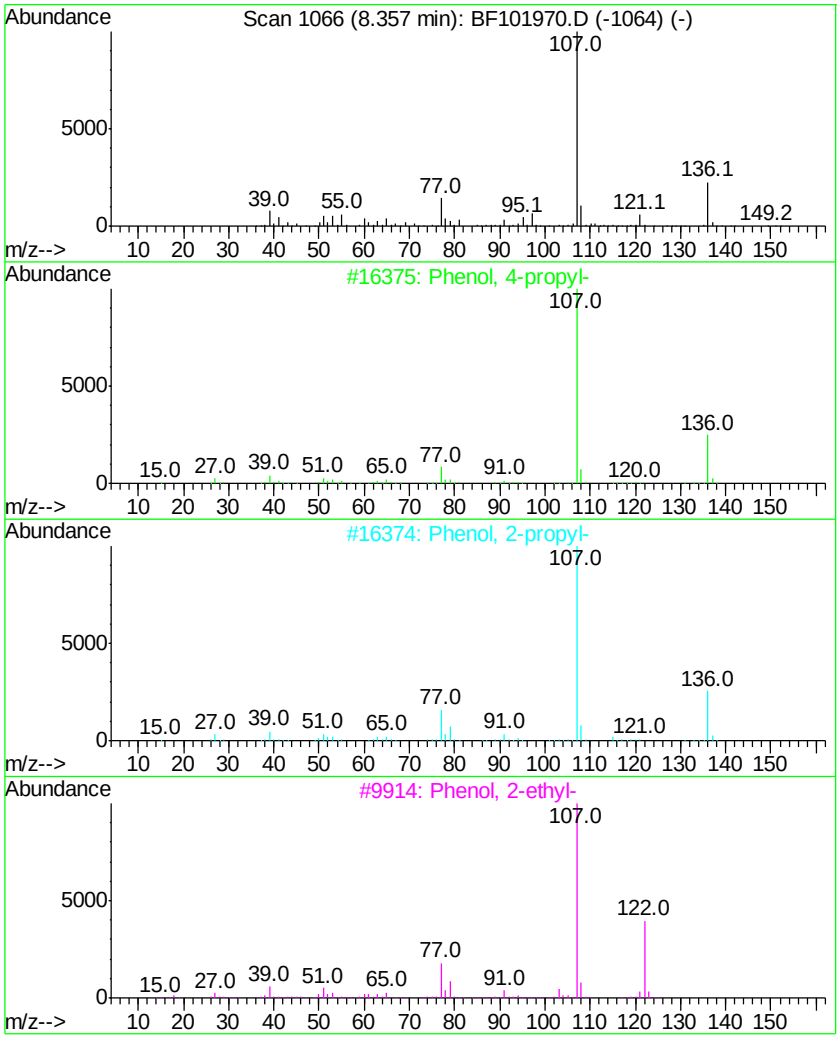
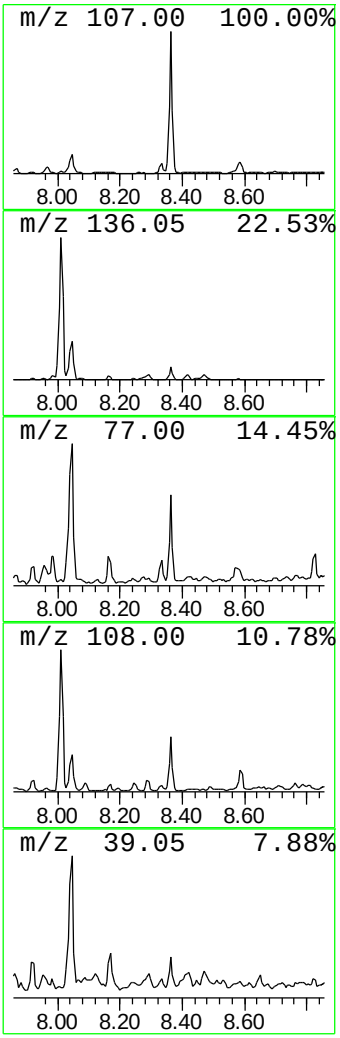
Peak Number 7 Phenol, 4-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	9.37 ng	717500	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-propyl-	136	C9H12O	000645-56-7	81
2	Phenol, 2-propyl-	136	C9H12O	000644-35-9	81
3	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	53
4	Phenol, 3-propyl-	136	C9H12O	000621-27-2	50
5	Pyridine, 2,5-dimethyl-	107	C7H9N	000589-93-5	47





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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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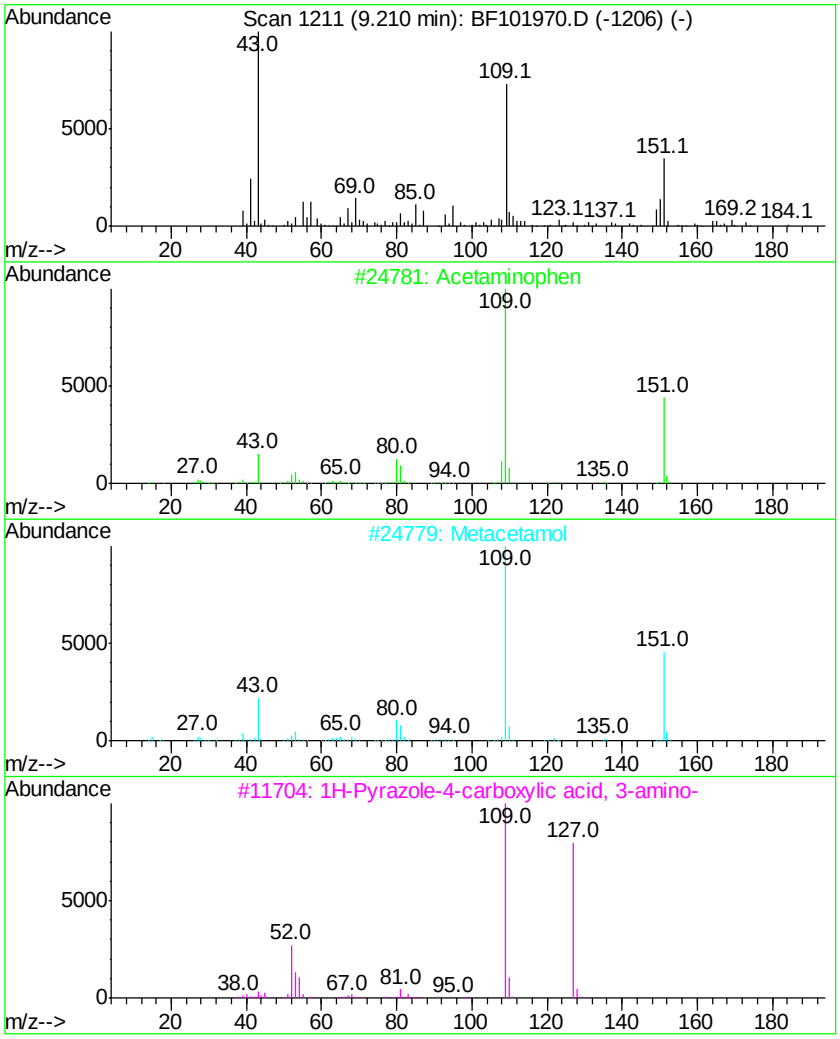
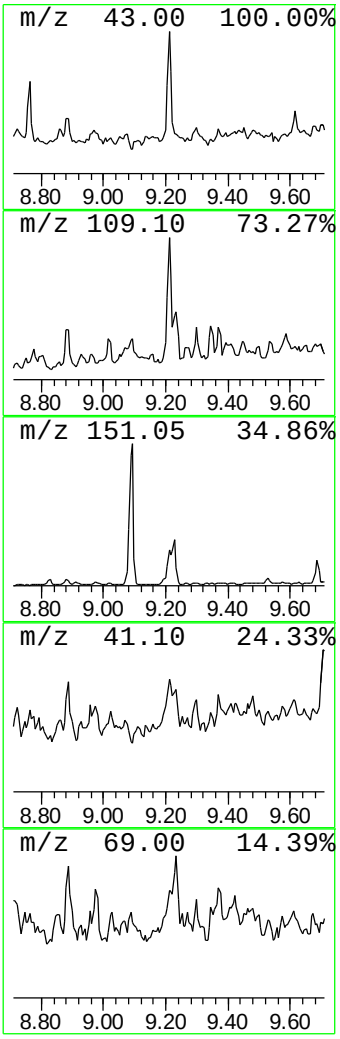
Peak Number 8 Acetaminophen Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	9.48 ng	686444	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaminophen	151	C8H9NO2	000103-90-2	52
2	Metacetamol	151	C8H9NO2	000621-42-1	52
3	1H-Pyrazole-4-carboxylic acid, 3...	127	C4H5N3O2	041680-34-6	46
4	2,6-Pyridinediamine	109	C5H7N3	000141-86-6	43
5	Pyridine, 2,5-diamino-	109	C5H7N3	004318-76-7	43





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TIC Library : C:\DATABASE\NIST11.L
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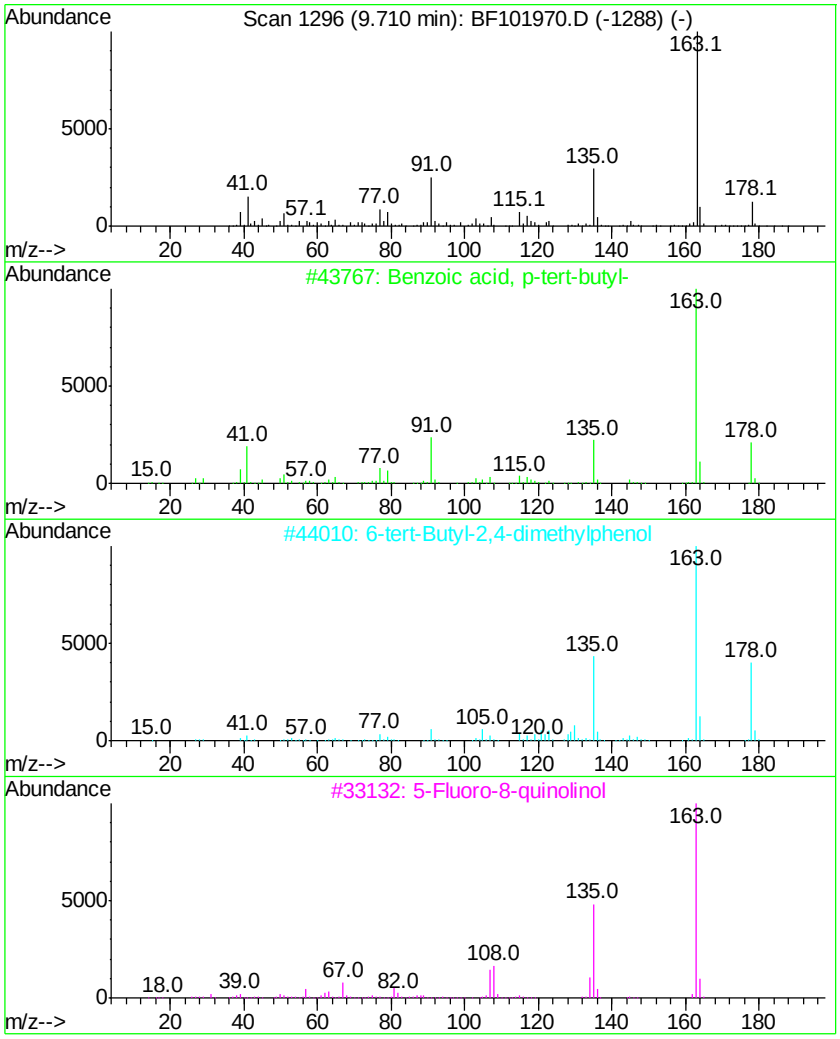
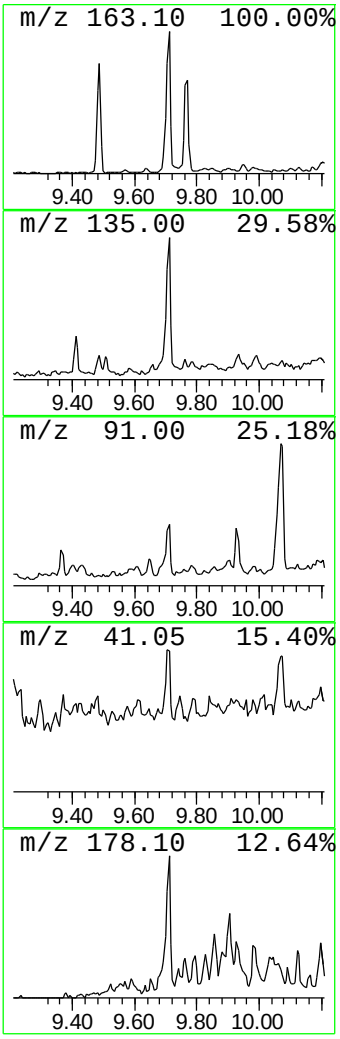
Peak Number 9 Benzoic acid, p-tert-butyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	9.14 ng	661867	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, p-tert-butyl-	178	C11H14O2	000098-73-7	96
2	6-tert-Butyl-2,4-dimethylphenol	178	C12H18O	001879-09-0	83
3	5-Fluoro-8-quinolinol	163	C9H6FNO	000387-97-3	64
4	Phenol, 3,5-bis(1-methylethyl)-	178	C12H18O	026886-05-5	50
5	Methyl octadecyl phthalate	432	C27H44O4	1000373-88-9	47





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ClientSampleId : MW-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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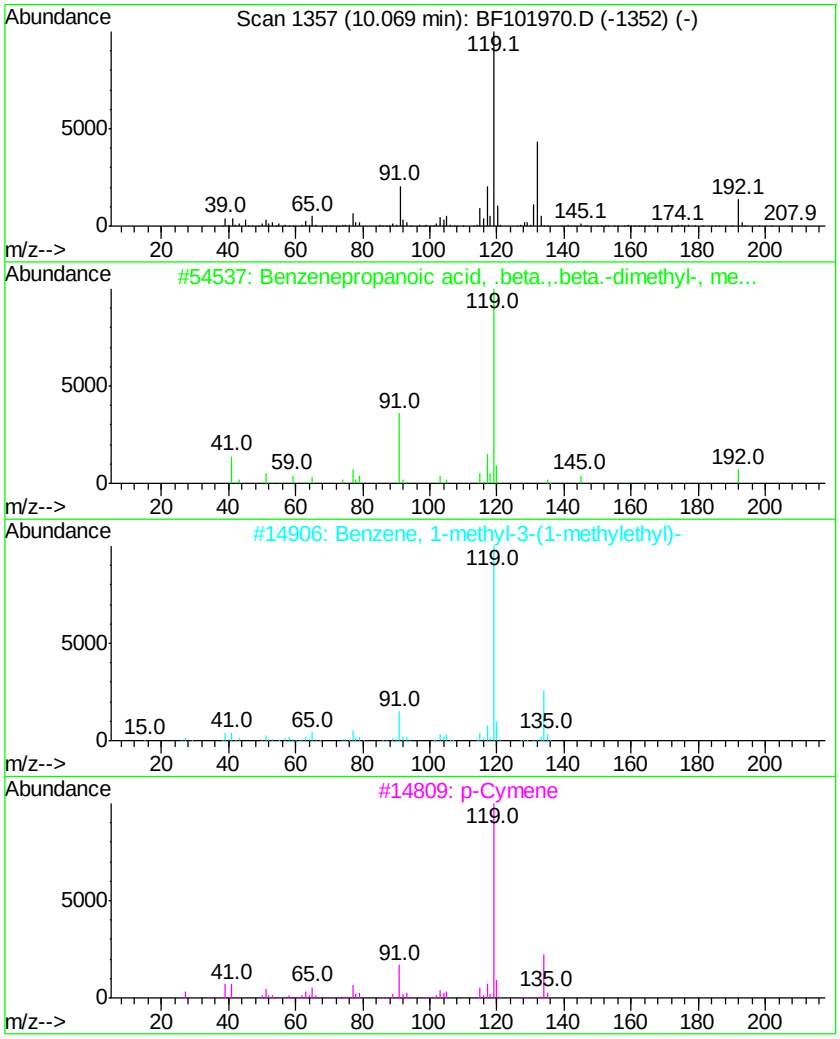
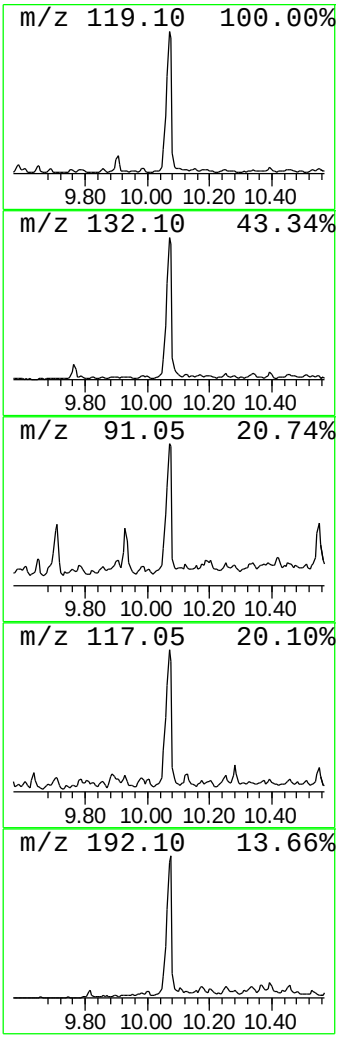
Peak Number 10 Benzenepropanoic acid, .bet... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	22.18 ng	1605700	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenepropanoic acid, .beta.,.b...	192	C12H16O2	025080-84-6	58
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46
3	p-Cymene	134	C10H14	000099-87-6	43
4	o-Cymene	134	C10H14	000527-84-4	43
5	Benzenebutanoic acid, 2,5-dimethyl-	192	C12H16O2	001453-06-1	38





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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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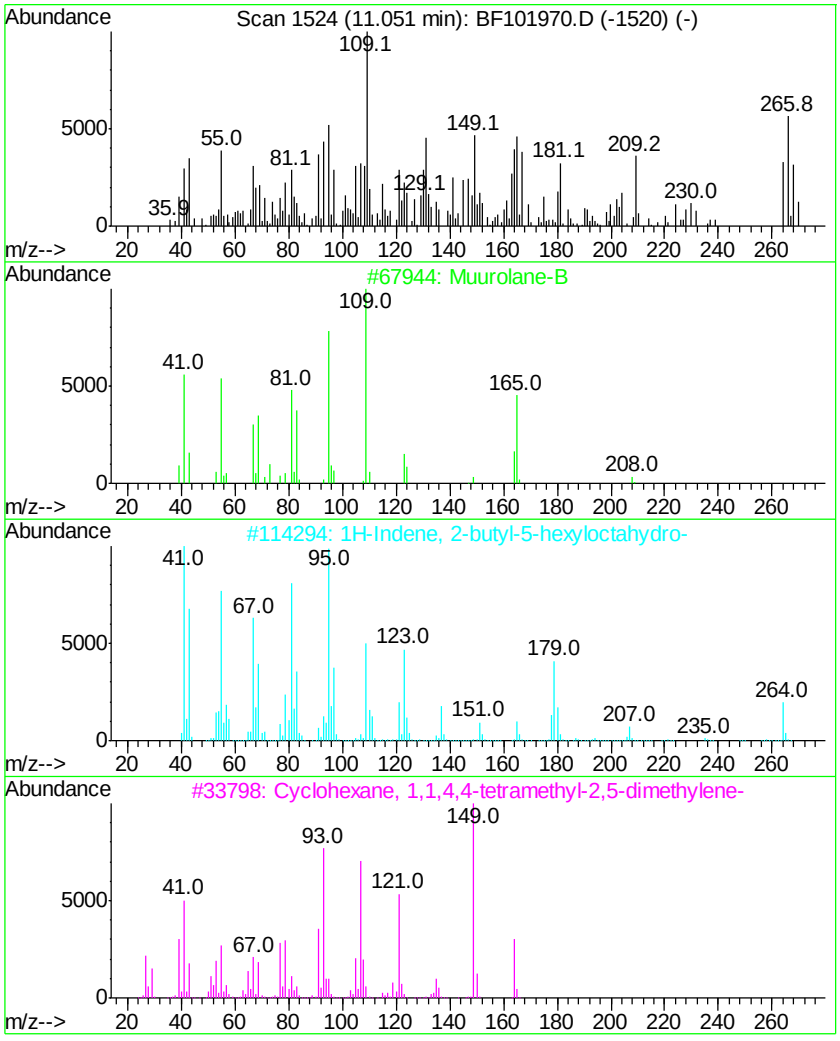
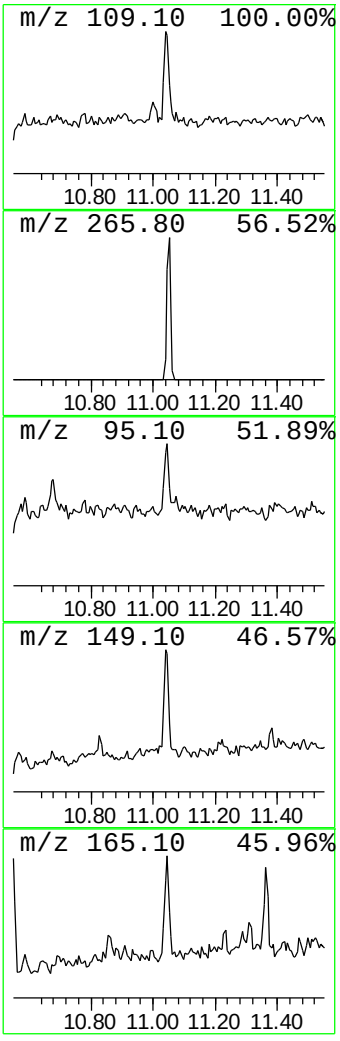
Peak Number 11 unknown11.05 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	9.30 ng	439599	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Muurolane-B	208	C15H28	1000121-63-7	41
2	1H-Indene, 2-butyl-5-hexyloctahy...	264	C19H36	055044-33-2	25
3	Cyclohexane, 1,1,4,4-tetramethyl...	164	C12H20	1000154-20-4	22
4	Maleic acid, 2-hydroxy-2-[(4-met...	268	C13H16O6	1000158-52-0	20
5	Silane, chlorotripropyl-	192	C9H21ClSi	000995-25-5	20





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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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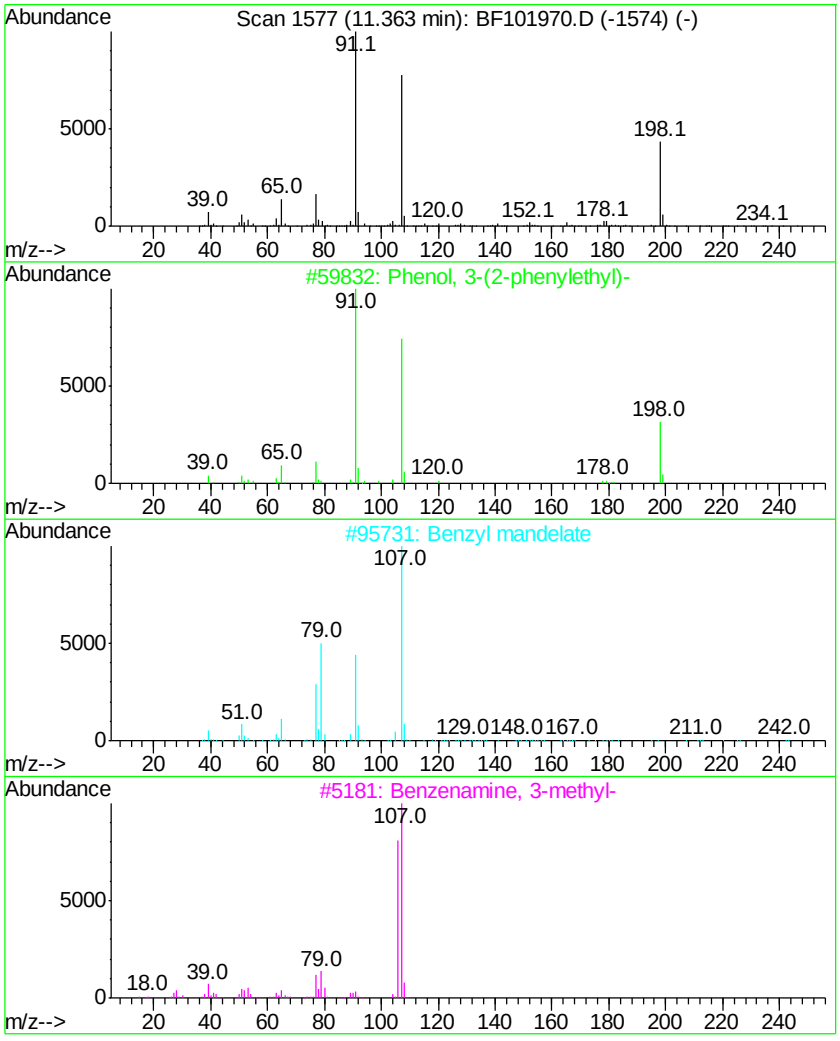
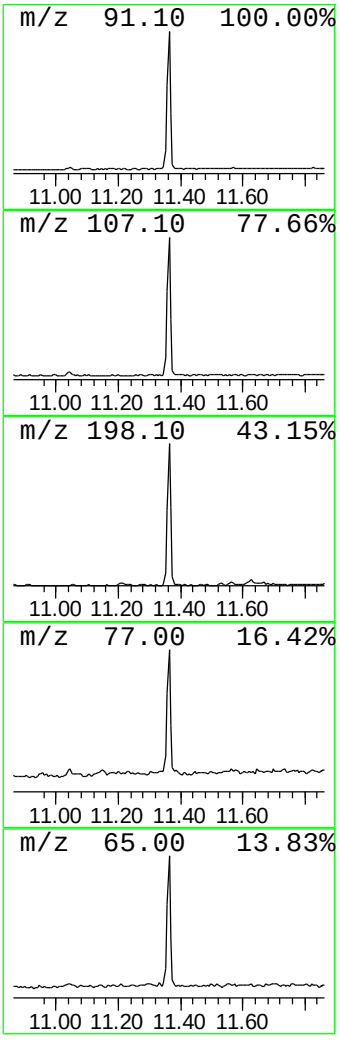
Peak Number 12 Phenol, 3-(2-phenylethyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	33.40 ng	1578810	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethyl)-	198	C14H14O	033675-75-1	97
2	Benzyl mandelate	242	C15H14O3	000890-98-2	47
3	Benzenamine, 3-methyl-	107	C7H9N	000108-44-1	43
4	Phenol, 2-propyl-	136	C9H12O	000644-35-9	43
5	Benzenemethanol, .alpha.-(2,2-di...	178	C12H18O	062338-03-8	43





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ClientSampleId : MW-C

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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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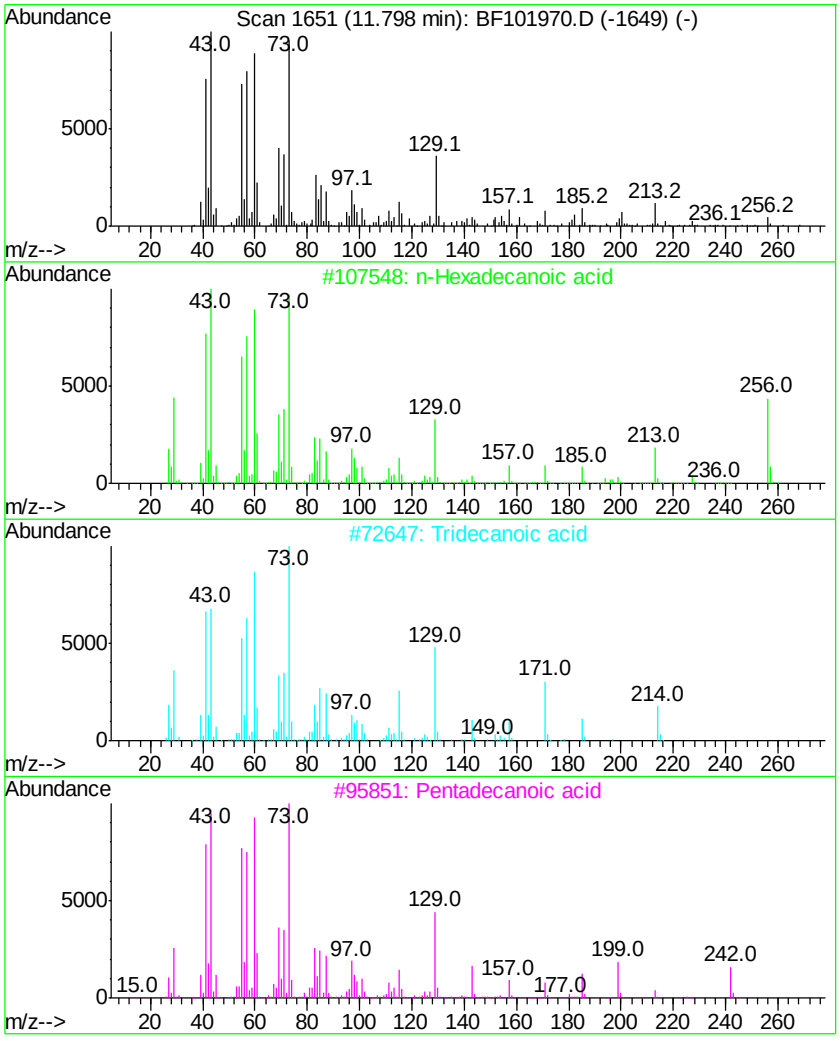
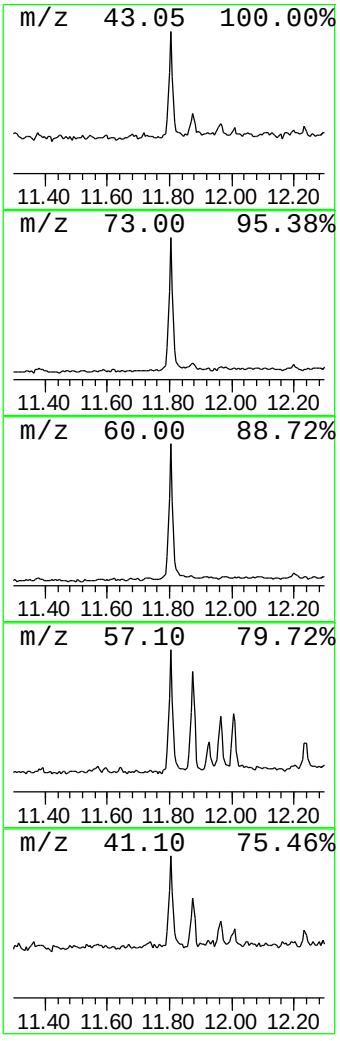
Peak Number 13 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	17.47 ng	825998	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Tridecanoic acid	214	C13H26O2	000638-53-9	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Dodecanoic acid	200	C12H24O2	000143-07-7	68





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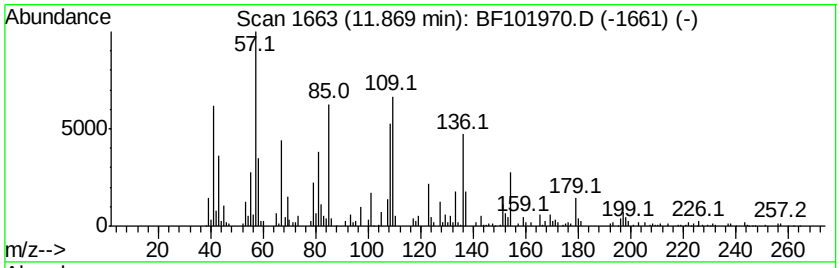
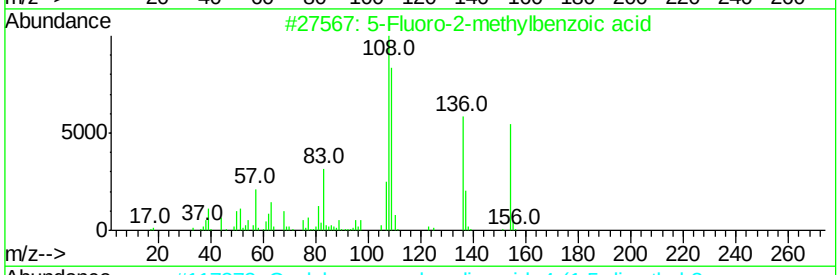
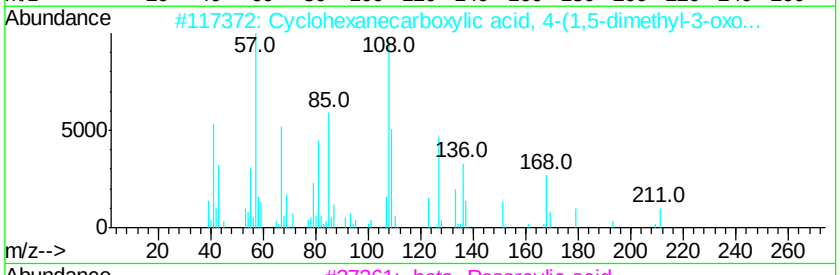
Peak Number 14 unknown11.87 Concentration Rank 16

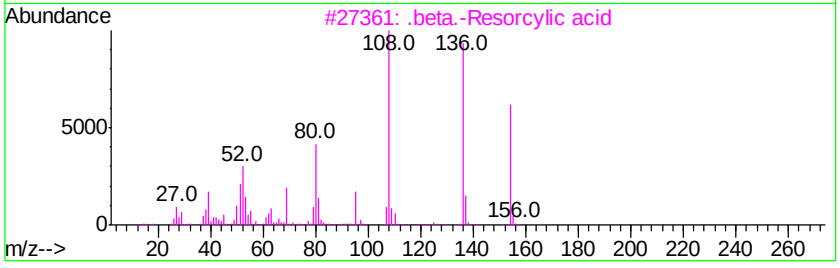
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	9.38 ng	443571	Phenanthrene-d10	11.25

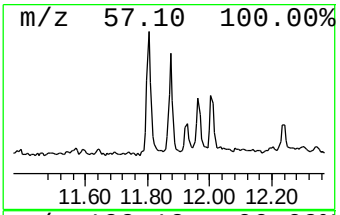
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-methylbenzoic acid	154	C8H7FO2	033184-16-6	41
2	Cyclohexanecarboxylic acid, 4-(1...	268	C16H28O3	017904-29-9	37
3	.beta.-Resorcylic acid	154	C7H6O4	000089-86-1	25
4	Formic acid, (4-fluorophenyl)met...	154	C8H7FO2	1000368-72-9	22
5	Cyclopentanecarboxylic acid, 3,3...	210	C13H22O2	087753-77-3	12

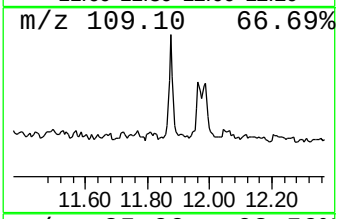


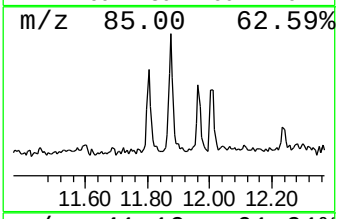


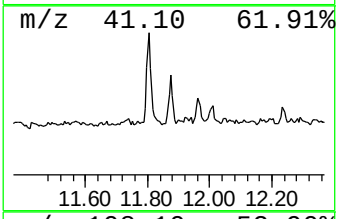


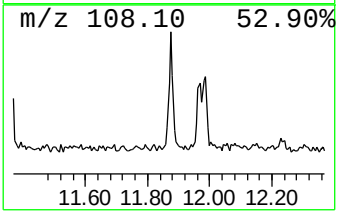












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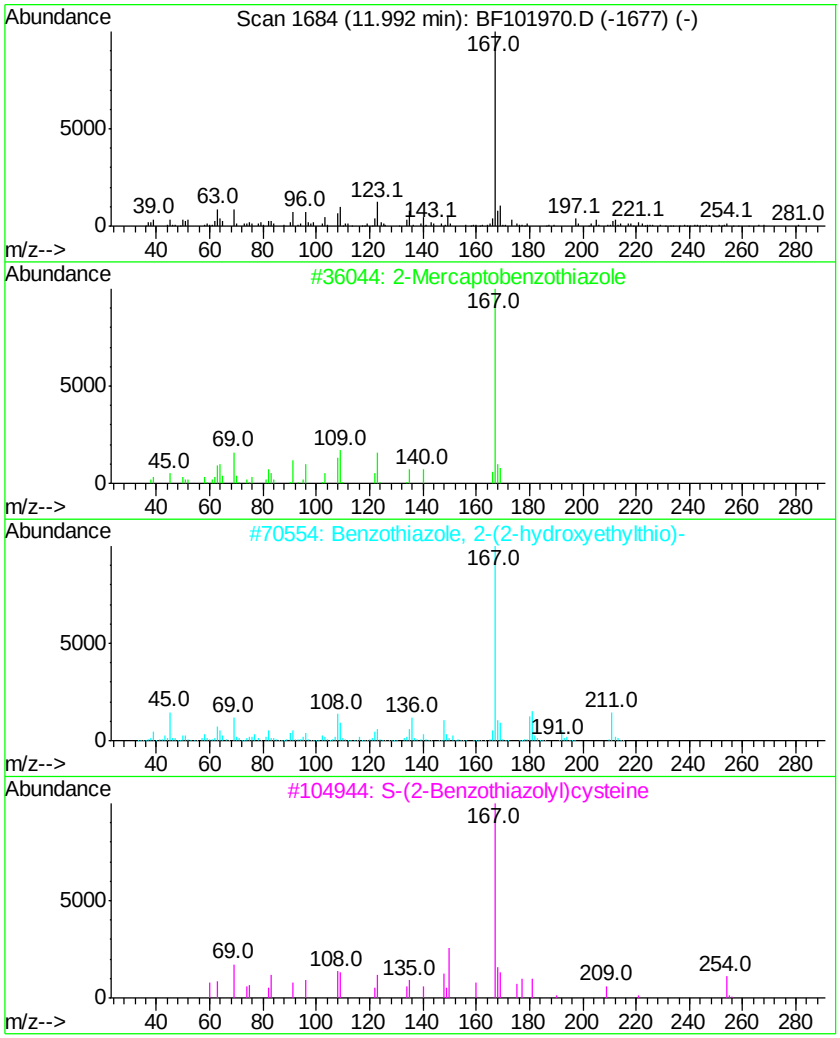
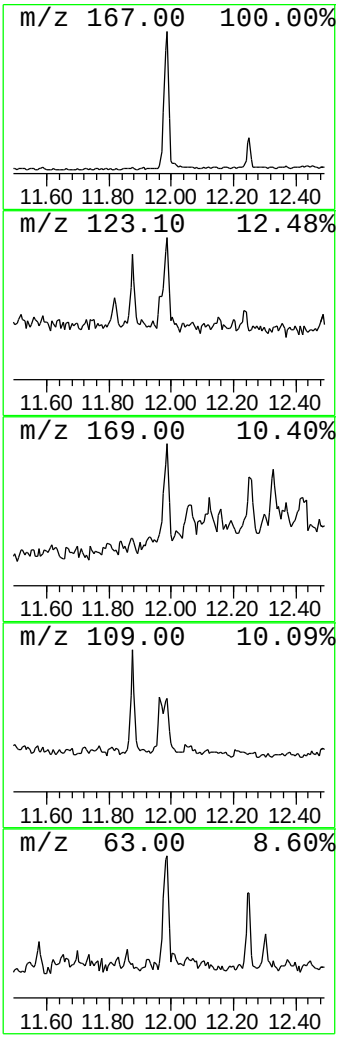
Peak Number 15 2-Mercaptobenzothiazole Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	14.55 ng	687597	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Mercaptobenzothiazole	167	C7H5NS2	000149-30-4	96
2	Benzothiazole, 2-(2-hydroxyethyl...	211	C9H9NOS2	004665-63-8	78
3	S-(2-Benzothiazolyl)cysteine	254	C10H10N2O2S2	000399-82-6	64
4	1,3-Benzodithiolane, 4-methyl-2-...	254	C13H18OS2	067855-54-3	59
5	5-Fluoro-2-methyl-benzothiazole	167	C8H6FNS	000399-75-7	58





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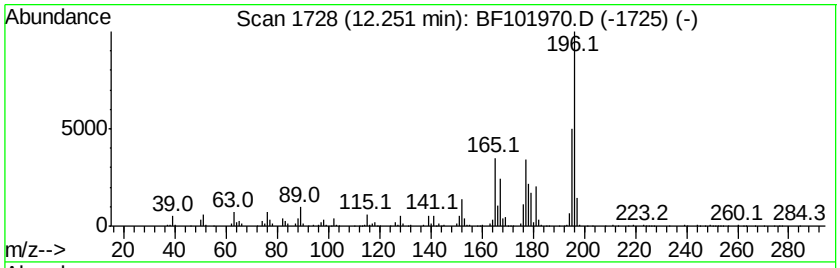
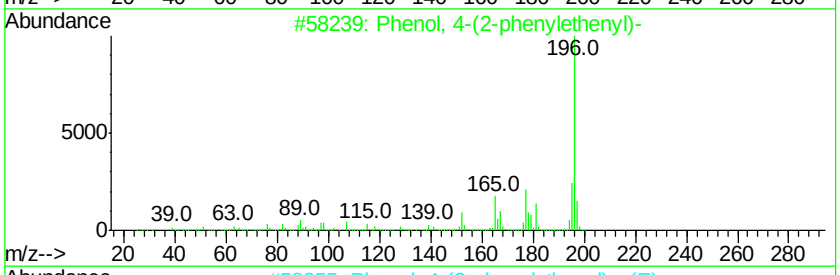
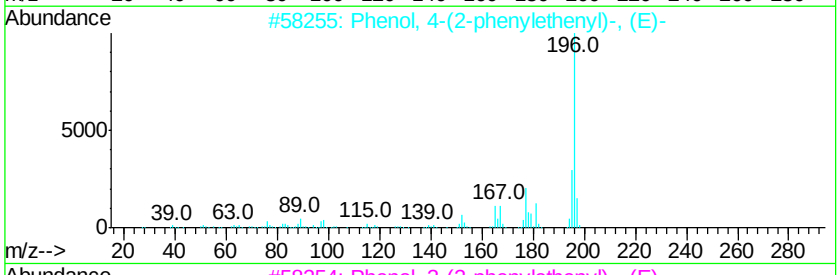
Peak Number 16 Phenol, 4-(2-phenylethenyl)- Concentration Rank 12

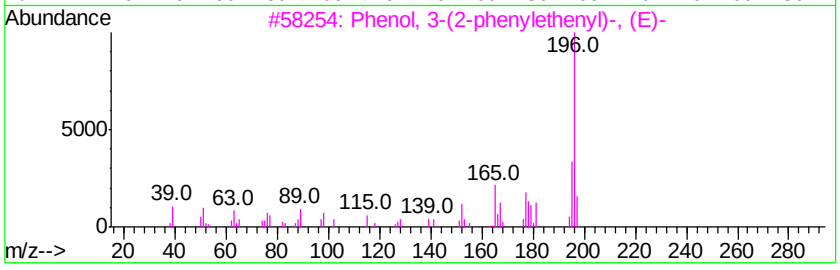
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	14.19 ng	670736	Phenanthrene-d10	11.25

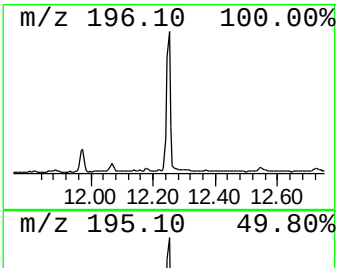
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	87
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	83
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	76
4	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	58
5	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	53

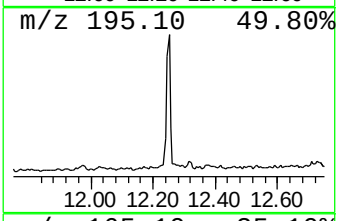


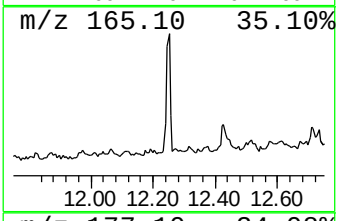


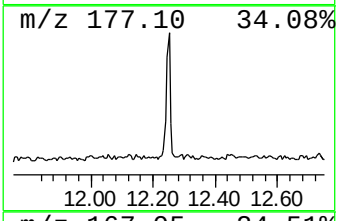


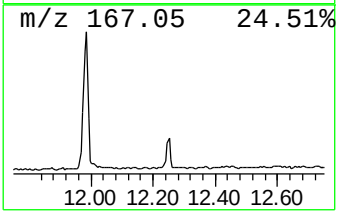












Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101970.D
Acq On : 9 Jan 2018 23:18
Operator : SJ/JU
Sample : J1049-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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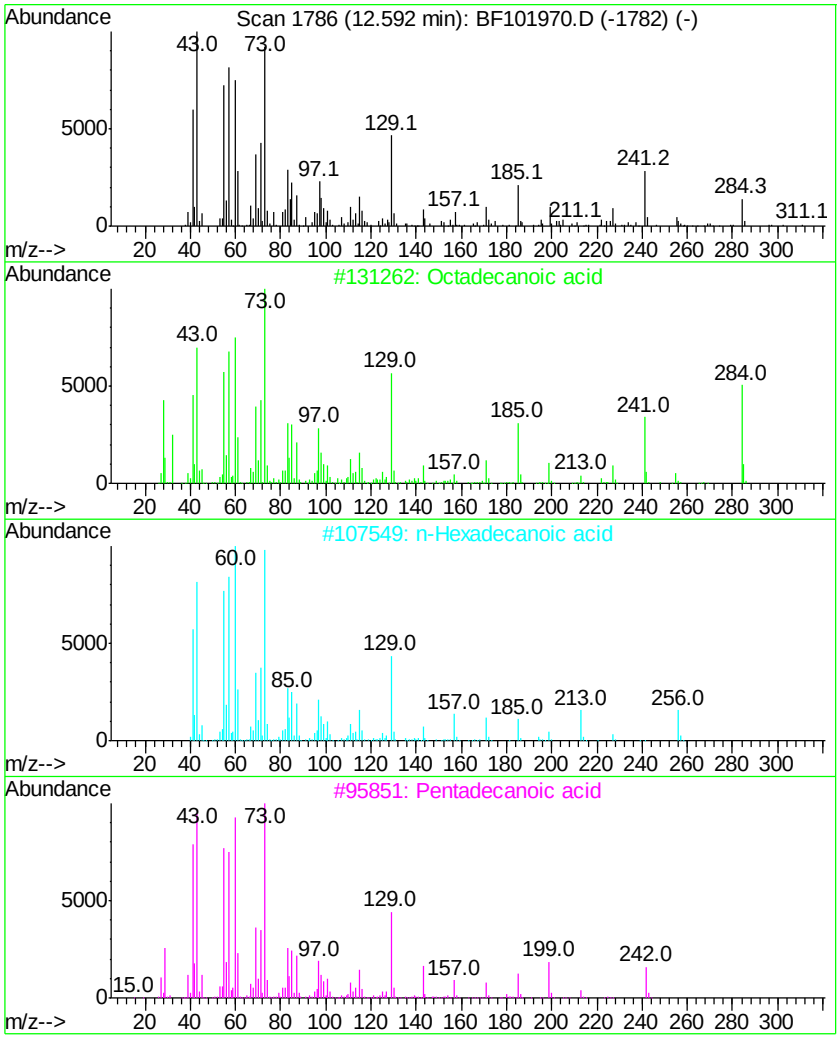
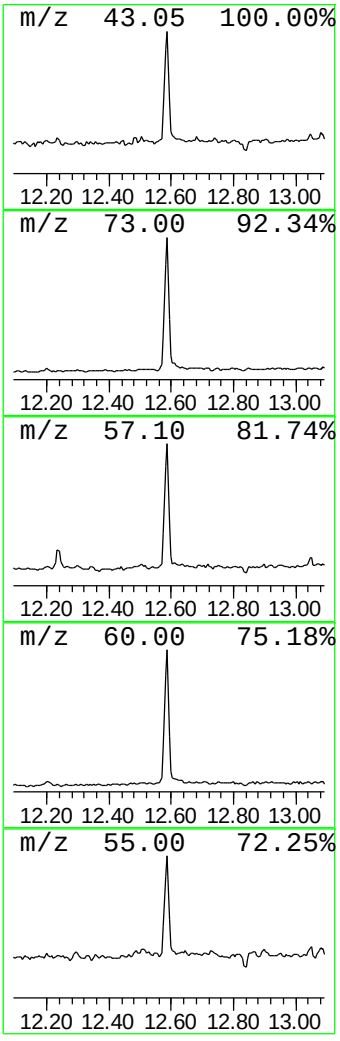
Peak Number 17 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	15.52 ng	986239	Chrysene-d12	13.89

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	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Tridecanoic acid	214	C13H26O2	000638-53-9	74
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





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Data File : BF101970.D
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Operator : SJ/JU
Sample : J1049-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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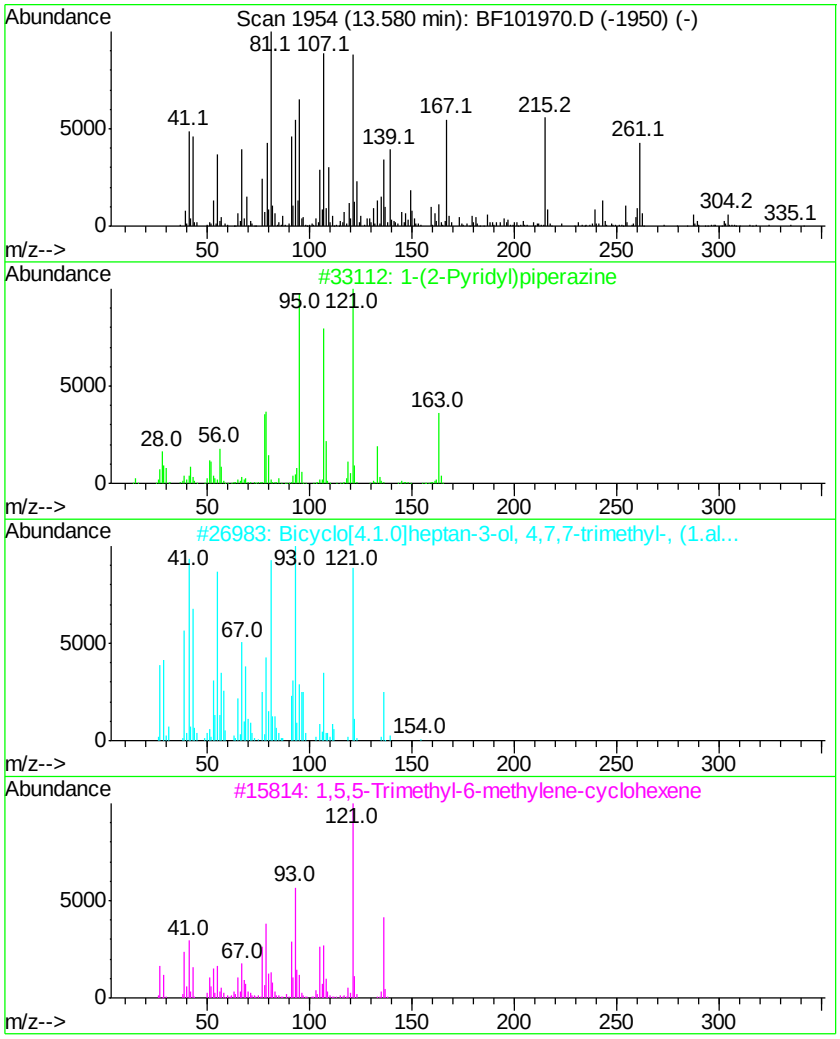
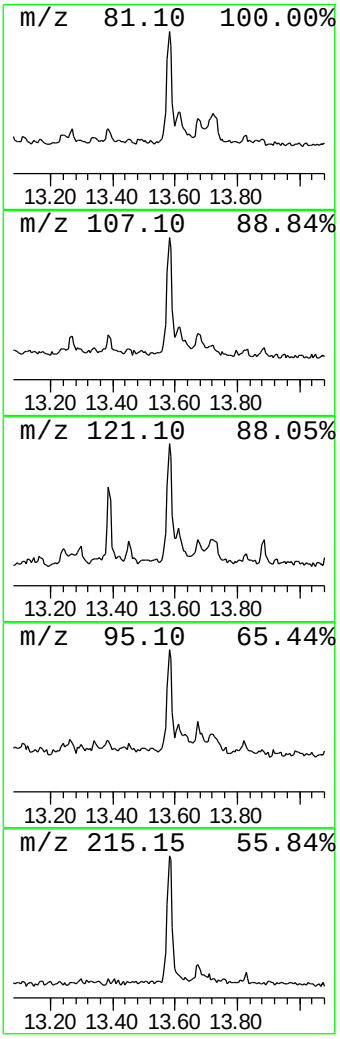
Peak Number 18 unknown13.58 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	20.60 ng	1309310	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(2-Pyridyl)piperazine	163	C9H13N3	034803-66-2	30
2	Bicyclo[4.1.0]heptan-3-ol, 4,7,7...	154	C10H18O	054750-09-3	27
3	1,5,5-Trimethyl-6-methylene-cycl...	136	C10H16	000514-95-4	25
4	Cyclopentane, 2-methyl-1-methyle...	136	C10H16	056710-83-9	25
5	Cyclohexene, 1,5,5-trimethyl-3-m...	136	C10H16	016609-28-2	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101970.D
Acq On : 9 Jan 2018 23:18
Operator : SJ/JU
Sample : J1049-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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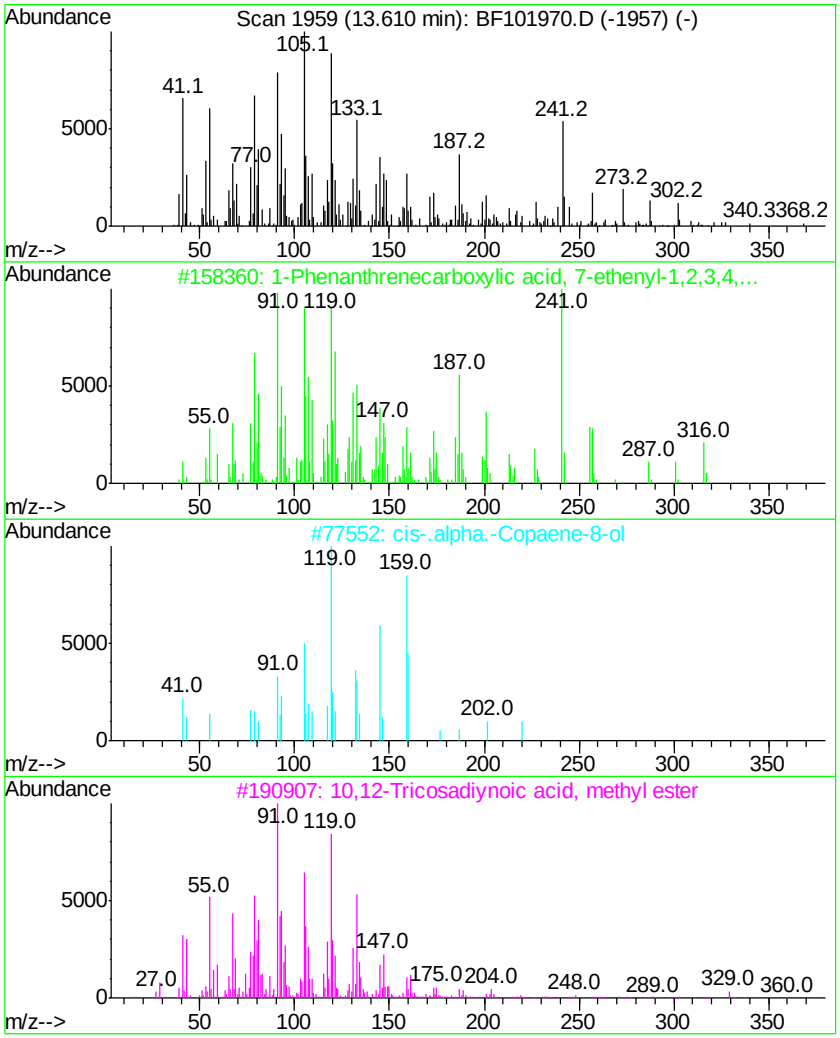
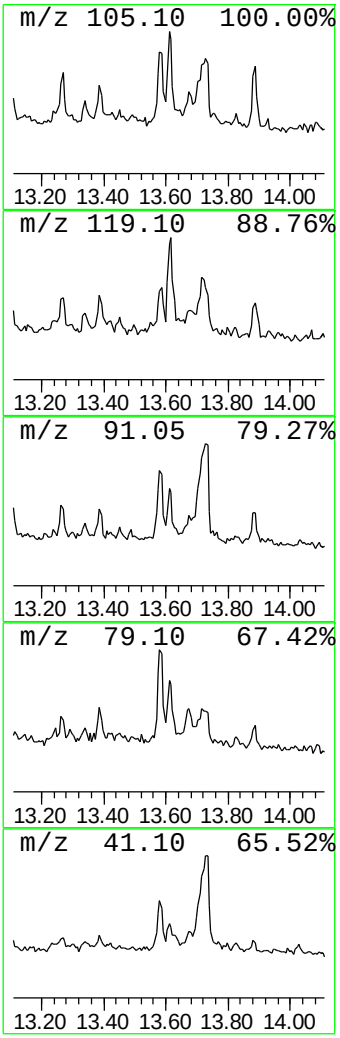
Peak Number 19 unknown13.61 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	9.68 ng	615279	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxylic acid, 7...	316	C21H32O2	001686-62-0	43
2	cis-.alpha.-Copaene-8-ol	220	C15H24O	058569-25-8	41
3	10,12-Tricosadiynoic acid, methy...	360	C24H40O2	1000333-59-4	38
4	1,4-Bis[3,4-dimethylphenyl]-2,3-...	294	C20H22O2	034277-93-5	27
5	Zinc, bis(.beta.-methylphenethyl)-	302	C18H22Zn	098764-98-8	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101970.D
Acq On : 9 Jan 2018 23:18
Operator : SJ/JU
Sample : J1049-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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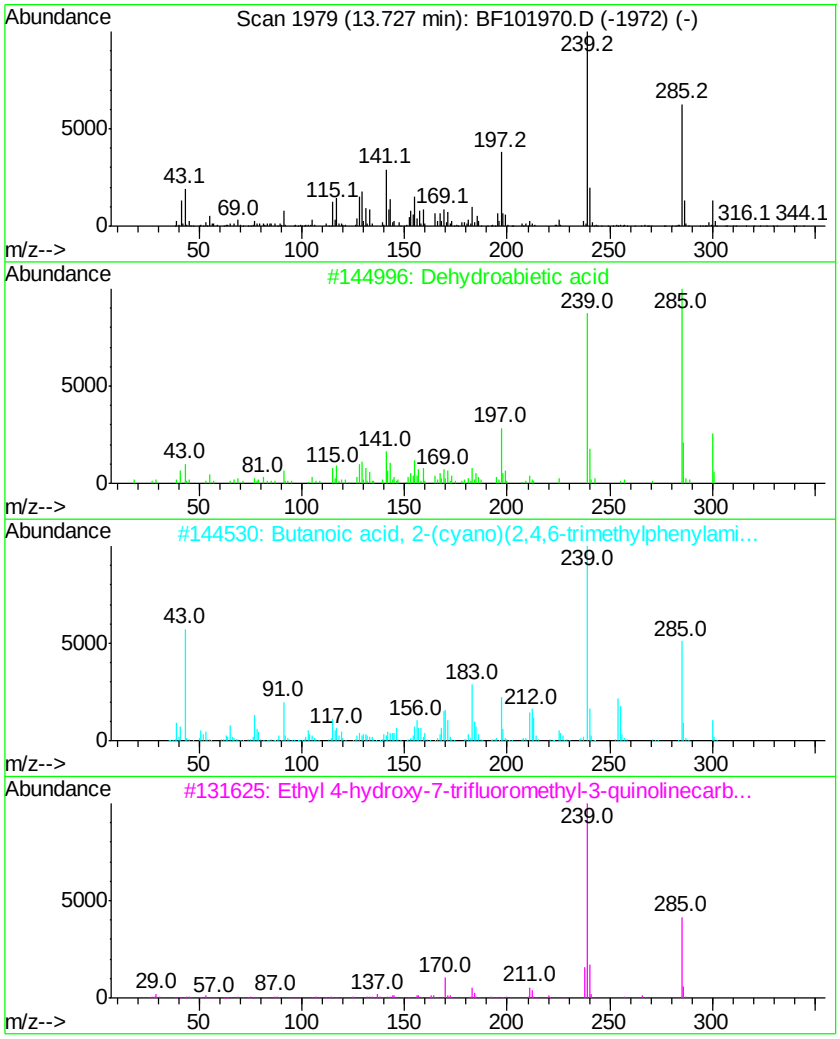
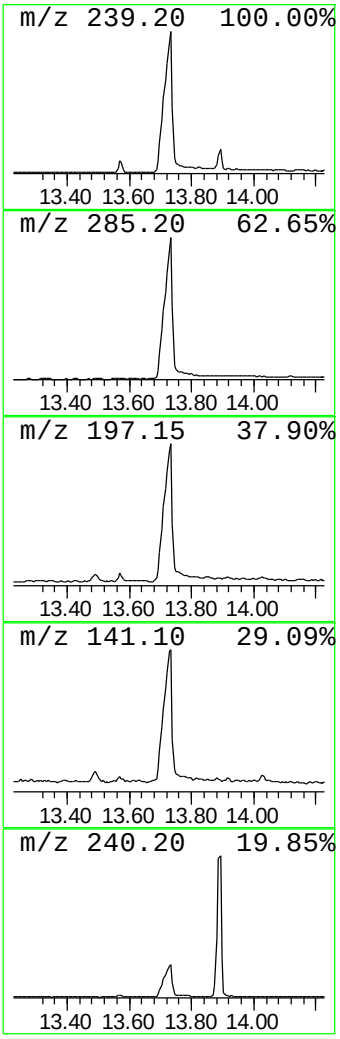
Peak Number 20 Dehydroabietic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	98.82 ng	6281670	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroabietic acid	300	C20H28O2	001740-19-8	96
2	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	81
3	Ethyl 4-hydroxy-7-trifluoromethy...	285	C13H10F3NO3	000391-02-6	53
4	3-Quinolinecarboxylic acid, 4-hy...	285	C13H10F3NO3	023851-84-5	53
5	2-Ethylidene-hydrazono-3-methyl-...	239	C10H10ClN3S	1000148-08-4	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010918\
Data File : BF101970.D
Acq On : 9 Jan 2018 23:18
Operator : SJ/JU
Sample : J1049-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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
unknown6.49	6.49	50.8	ng	3757790	1	6.73	1480430	20.0
Cyclohexanemethan...	7.75	15.6	ng	1193690	2	8.01	1531240	20.0
Bicyclo[2.2.1]hep...	7.76	38.7	ng	2962800	2	8.01	1531240	20.0
endo-Borneol	7.92	10.0	ng	765236	2	8.01	1531240	20.0
unknown8.17	8.17	8.9	ng	684573	2	8.01	1531240	20.0
Phenol, 4-propyl-	8.36	9.4	ng	717500	2	8.01	1531240	20.0
Acetaminophen	9.21	9.5	ng	686444	3	9.76	1447790	20.0
Benzoic acid, p-t...	9.71	9.1	ng	661867	3	9.76	1447790	20.0
Benzenepropanoic ...	10.07	22.2	ng	1605700	3	9.76	1447790	20.0
unknown11.05	11.05	9.3	ng	439599	4	11.25	945356	20.0
Phenol, 3-(2-phen...	11.36	33.4	ng	1578810	4	11.25	945356	20.0
n-Hexadecanoic acid	11.80	17.5	ng	825998	4	11.25	945356	20.0
unknown11.87	11.87	9.4	ng	443571	4	11.25	945356	20.0
2-Mercaptobenzoth...	11.99	14.6	ng	687597	4	11.25	945356	20.0
Phenol, 4-(2-phen...	12.25	14.2	ng	670736	4	11.25	945356	20.0
Octadecanoic acid	12.59	15.5	ng	986239	5	13.89	1271280	20.0
unknown13.58	13.58	20.6	ng	1309310	5	13.89	1271280	20.0
unknown13.61	13.61	9.7	ng	615279	5	13.89	1271280	20.0
Dehydroabietic acid	13.73	98.8	ng	6281670	5	13.89	1271280	20.0