LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101924.D
Acq On : 5 Jan 2018 12:46
Operator : SJ/JU
Sample : J1033-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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	4.987	490	493	515	rBV	222513	461518	10.74%	0.960%
2	5.398	560	563	596	rBV	1689094	3073405	71.52%	6.394%
3	6.428	734	738	755	rBV	1672153	2934491	68.29%	6.105%
4	6.551	755	759	785	rVB	2285315	2943690	68.51%	6.124%
5	6.775	793	797	806	rBV	668974	746110	17.36%	1.552%
6	6.928	819	823	837	rBV	1951836	2146894	49.96%	4.467%
7	7.345	891	894	916	rBV	1378950	1860209	43.29%	3.870%
8	8.016	1005	1008	1012	rBV	161765	135452	3.15%	0.282%
9	8.057	1012	1015	1024	rVV	730665	870438	20.26%	1.811%
10	8.333	1059	1062	1067	rBV3	56575	77428	1.80%	0.161%
11	8.410	1072	1075	1079	rVB	77690	68943	1.60%	0.143%
12	8.451	1079	1082	1085	rBV	122215	115658	2.69%	0.241%
13	8.627	1108	1112	1116	rBV	512904	421384	9.81%	0.877%
14	8.686	1116	1122	1124	rVV5	29354	62063	1.44%	0.129%
15	8.716	1124	1127	1131	rVB2	50422	67112	1.56%	0.140%
16	8.910	1157	1160	1161	rBV	53802	46669	1.09%	0.097%
17	8.957	1164	1168	1170	rVB2	46903	57887	1.35%	0.120%
18	8.992	1170	1174	1177	rVB	66895	63705	1.48%	0.133%
19	9.027	1177	1180	1182	rBV	60363	46896	1.09%	0.098%
20	9.051	1182	1184	1187	rVB	56479	47667	1.11%	0.099%
21	9.127	1193	1197	1204	rBV	2308063	2368271	55.11%	4.927%
22	9.192	1204	1208	1211	rVB	328510	284825	6.63%	0.593%
23	9.404	1241	1244	1248	rBV3	45285	57897	1.35%	0.120%
24	9.504	1258	1261	1263	rBV2	62010	77320	1.80%	0.161%
25	9.527	1263	1265	1270	rVB	237330	210771	4.91%	0.438%
26	9.674	1287	1290	1295	rBV	98182	106296	2.47%	0.221%
27	9.716	1295	1297	1301	rVB	171299	145525	3.39%	0.303%
28	9.810	1309	1313	1316	rBV	725028	685411	15.95%	1.426%
29	9.839	1316	1318	1325	rVB	123358	133007	3.10%	0.277%
30	10.027	1347	1350	1357	rVB2	57491	91324	2.13%	0.190%
31	10.216	1379	1382	1385	rBV	172698	132499	3.08%	0.276%
32	10.363	1400	1407	1413	rVB2	76399	112223	2.61%	0.233%
33	10.433	1415	1419	1422	rBV	55371	66721	1.55%	0.139%
34	10.610	1445	1449	1460	rBV	960118	1106307	25.75%	2.302%

LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101924.D
Acq On : 5 Jan 2018 12:46
Operator : SJ/JU
Sample : J1033-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.692	1460	1463	1471	rVB	147283	197389	4.59%	0.411%
36	10.798	1478	1481	1485	rVB	99054	83802	1.95%	0.174%
37	11.139	1536	1539	1541	rBV	123912	130236	3.03%	0.271%
38	11.204	1547	1550	1554	rVB	53229	48985	1.14%	0.102%
39	11.304	1563	1567	1569	rBV	783947	730935	17.01%	1.521%
40	11.327	1569	1571	1578	rVV	856939	757207	17.62%	1.575%
41	11.386	1578	1581	1588	rVB	191806	227106	5.29%	0.472%
42	11.563	1606	1611	1614	rBV3	153432	197133	4.59%	0.410%
43	11.592	1614	1616	1619	rVB	162082	122457	2.85%	0.255%
44	11.668	1625	1629	1632	rBV	2339986	1900111	44.22%	3.953%
45	11.810	1649	1653	1656	rBV2	254386	300920	7.00%	0.626%
46	11.839	1656	1658	1663	rVV	151702	145747	3.39%	0.303%
47	11.886	1663	1666	1668	rVV	53277	45452	1.06%	0.095%
48	11.921	1668	1672	1674	rVV2	124259	146791	3.42%	0.305%
49	11.945	1674	1676	1678	rVB2	68166	54034	1.26%	0.112%
50	11.968	1678	1680	1683	rBV	100905	76441	1.78%	0.159%
51	12.098	1700	1702	1705	rBV	72587	58321	1.36%	0.121%
52	12.168	1711	1714	1717	rVB2	45629	43861	1.02%	0.091%
53	12.357	1742	1746	1748	rBV	3263451	3702013	86.15%	7.702%
54	12.380	1748	1750	1757	rVV2	4025392	4297007	100.00%	8.940%
55	12.462	1760	1764	1769	rVB	1165176	1038876	24.18%	2.161%
56	12.521	1771	1774	1782	rVB	1078773	1075069	25.02%	2.237%
57	12.598	1784	1787	1790	rBV3	106852	113447	2.64%	0.236%
58	12.680	1798	1801	1802	rBV2	59362	56847	1.32%	0.118%
59	12.698	1802	1804	1807	rVB4	103773	86508	2.01%	0.180%
60	12.733	1807	1810	1811	rBV2	250127	218433	5.08%	0.454%
61	12.757	1811	1814	1819	rVV	1026053	981754	22.85%	2.042%
62	12.810	1820	1823	1826	rVB	62856	70281	1.64%	0.146%
63	12.880	1831	1835	1839	rBV	2177659	2087482	48.58%	4.343%
64	12.939	1842	1845	1847	rBV	50495	64111	1.49%	0.133%
65	13.021	1857	1859	1861	rBV2	47865	46267	1.08%	0.096%
66	13.062	1862	1866	1868	rBV4	100365	151891	3.53%	0.316%
67	13.086	1868	1870	1872	rVB	159023	128677	2.99%	0.268%
68	13.186	1883	1887	1890	rBV2	183932	237326	5.52%	0.494%
69	13.286	1901	1904	1906	rBV	91718	109124	2.54%	0.227%
70	13.427	1925	1928	1931	rBV2	140338	129721	3.02%	0.270%
71	13.574	1951	1953	1956	rBV	97344	87181	2.03%	0.181%

LSC Area Percent Report

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Data File : BF101924.D
Acq On : 5 Jan 2018 12:46
Operator : SJ/JU
Sample : J1033-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.615	1957	1960	1965	rVB2	201447	234257	5.45%	0.487%
73	13.727	1977	1979	1981	rVB	100791	76680	1.78%	0.160%
74	13.757	1981	1984	1987	rBV2	309977	331725	7.72%	0.690%
75	13.827	1994	1996	1998	rBV	69426	50348	1.17%	0.105%
76	13.898	2004	2008	2011	rVB	1566530	1369741	31.88%	2.850%
77	13.957	2013	2018	2021	rVV2	958039	1394057	32.44%	2.900%
78	13.986	2021	2023	2029	rVB	505727	495820	11.54%	1.032%
79	14.068	2035	2037	2041	rVB2	142063	132036	3.07%	0.275%
80	14.380	2087	2090	2093	rBV2	143197	142602	3.32%	0.297%
81	14.674	2138	2140	2143	rBV	154420	142282	3.31%	0.296%
82	15.004	2192	2196	2199	rBV2	505156	673792	15.68%	1.402%
83	15.309	2245	2248	2253	rBV	230175	277458	6.46%	0.577%
84	15.374	2255	2259	2265	rVB2	358717	590789	13.75%	1.229%
85	15.433	2266	2269	2273	rVV	340772	379832	8.84%	0.790%

Sum of corrected areas: 48066378

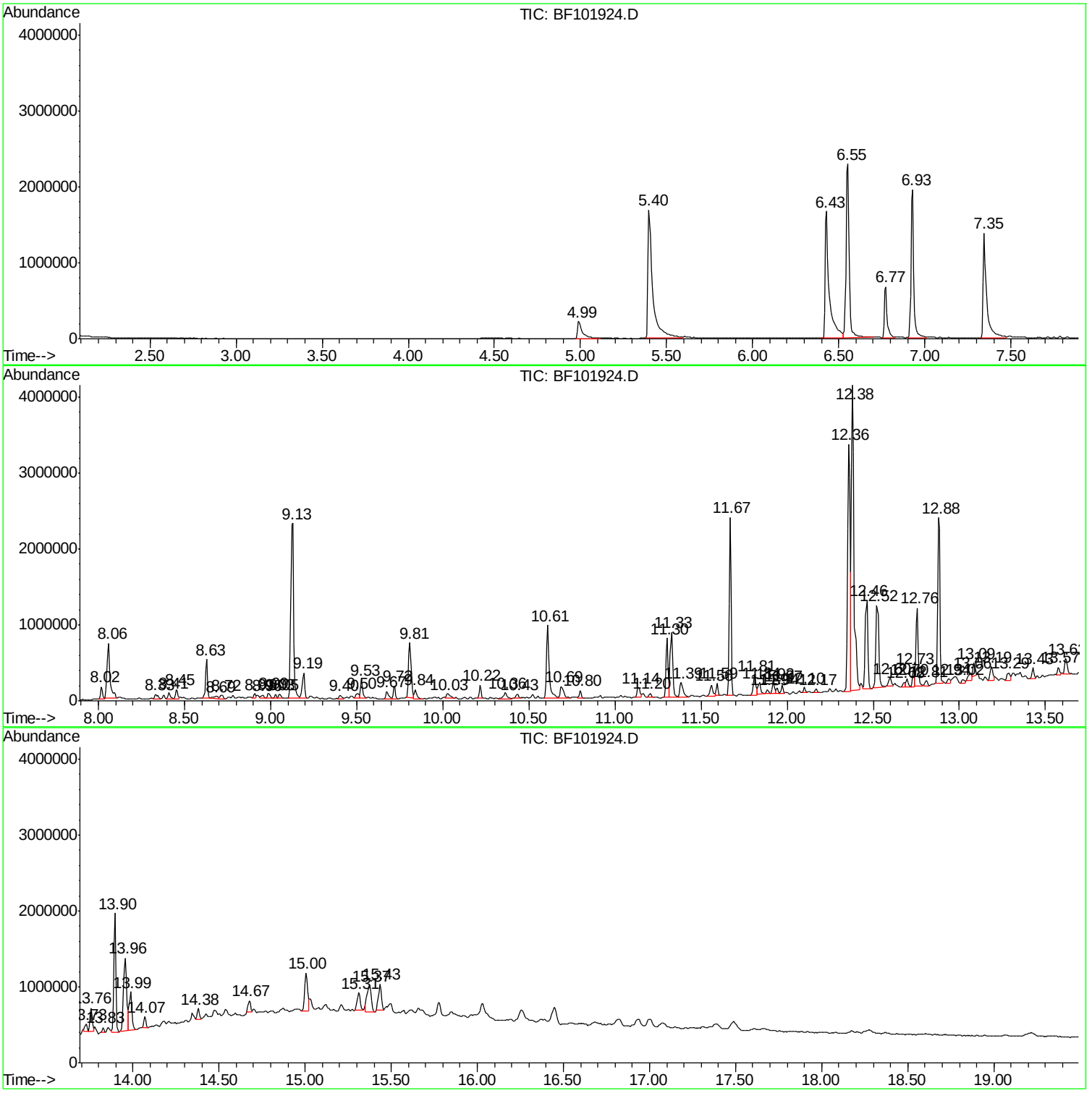
LSC Report - Integrated Chromatogram

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101924.D
Acq On : 5 Jan 2018 12:46
Operator : SJ/JU
Sample : J1033-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101924.D
Acq On : 5 Jan 2018 12:46
Operator : SJ/JU
Sample : J1033-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

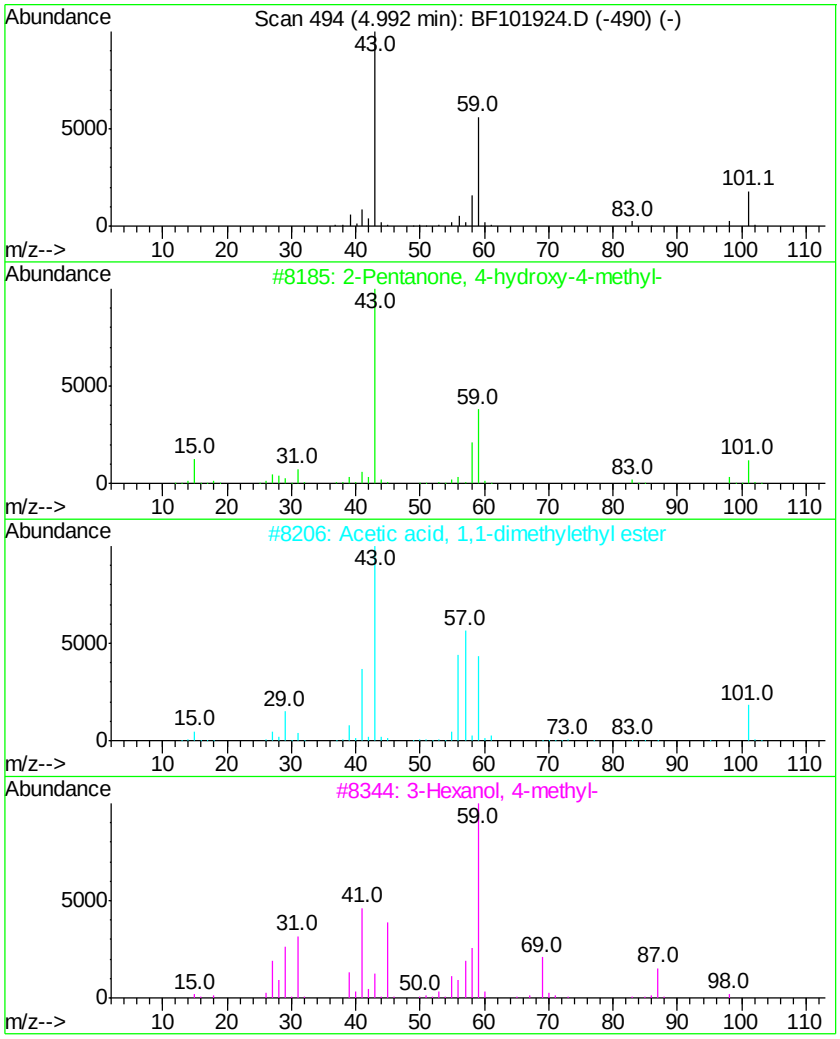
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

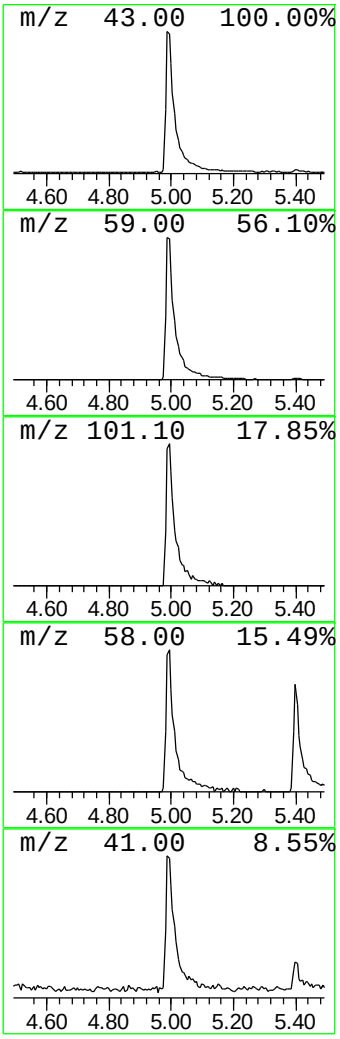
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	12.37 ng	461518	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101924.D
Acq On : 5 Jan 2018 12:46
Operator : SJ/JU
Sample : J1033-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

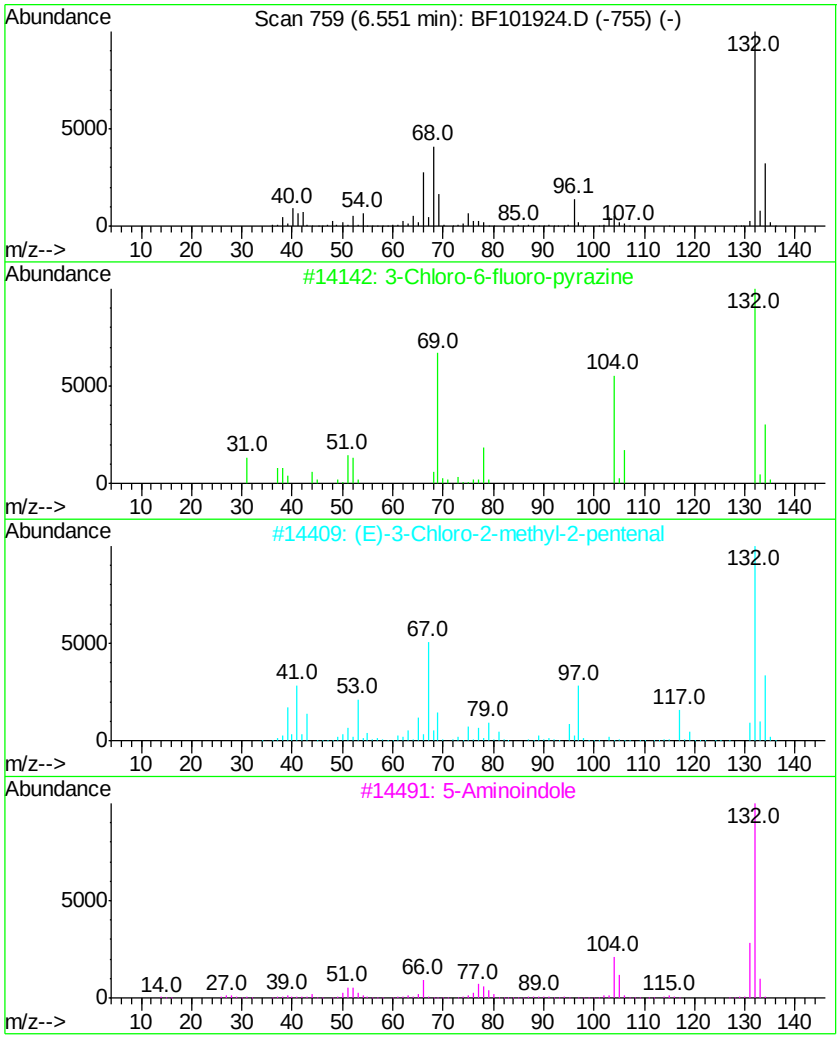
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

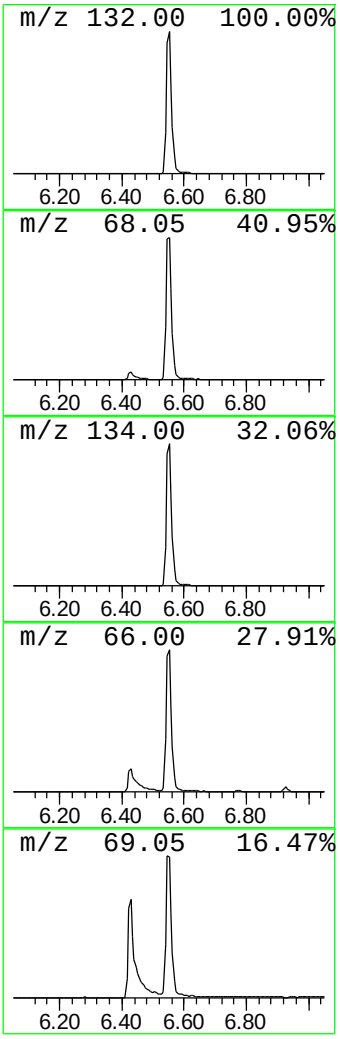
****

Peak Number 2 unknown6.55 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	78.91 ng	2943690	1,4-Dichlorobenzene-d4	6.77

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	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101924.D
Acq On : 5 Jan 2018 12:46
Operator : SJ/JU
Sample : J1033-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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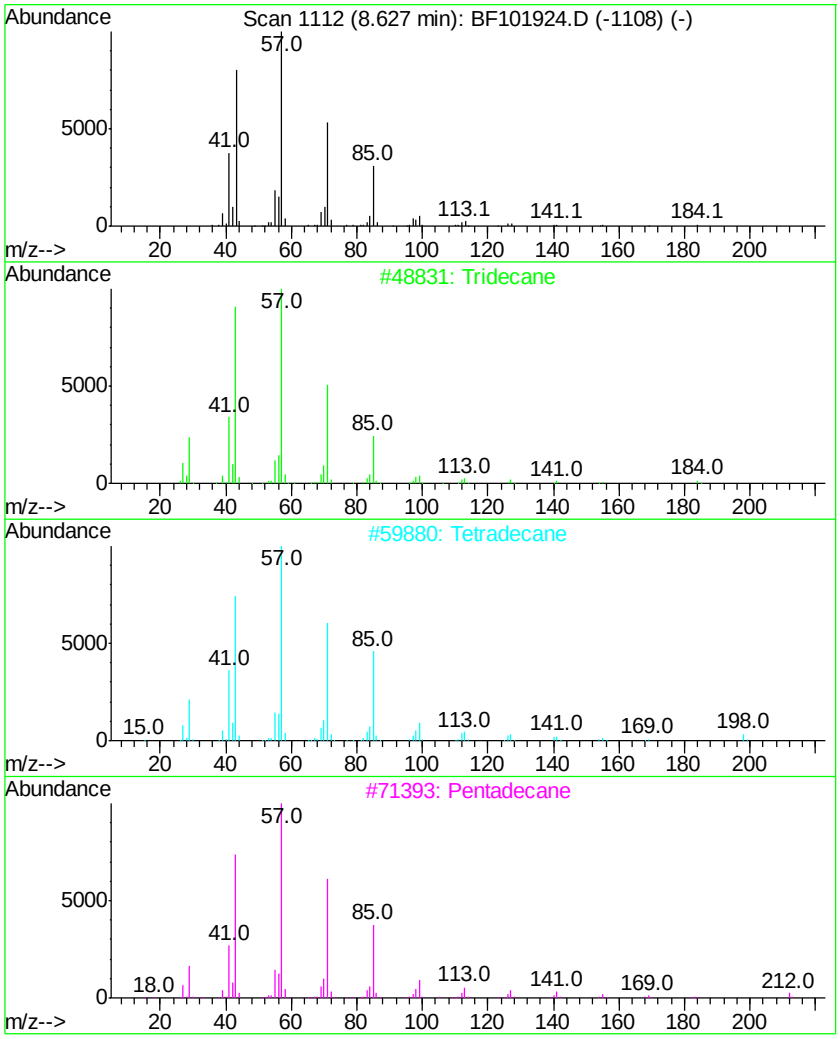
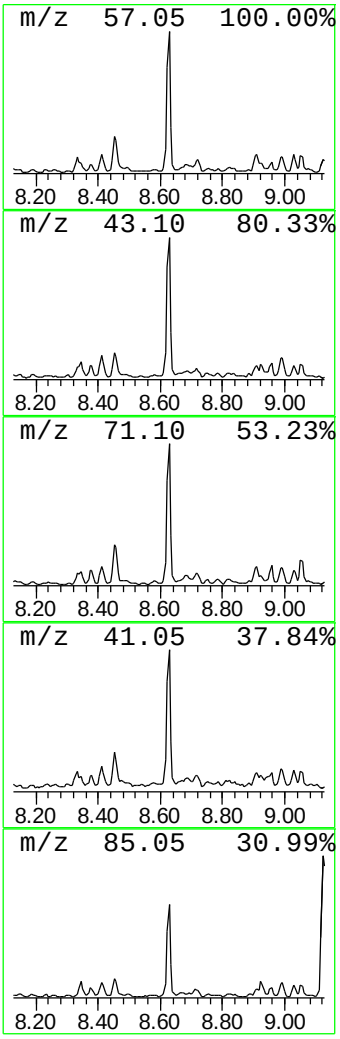
Peak Number 4 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	9.68 ng	421384	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Tetradecane	198	C14H30	000629-59-4	90
3	Pentadecane	212	C15H32	000629-62-9	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	81





Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101924.D
Acq On : 5 Jan 2018 12:46
Operator : SJ/JU
Sample : J1033-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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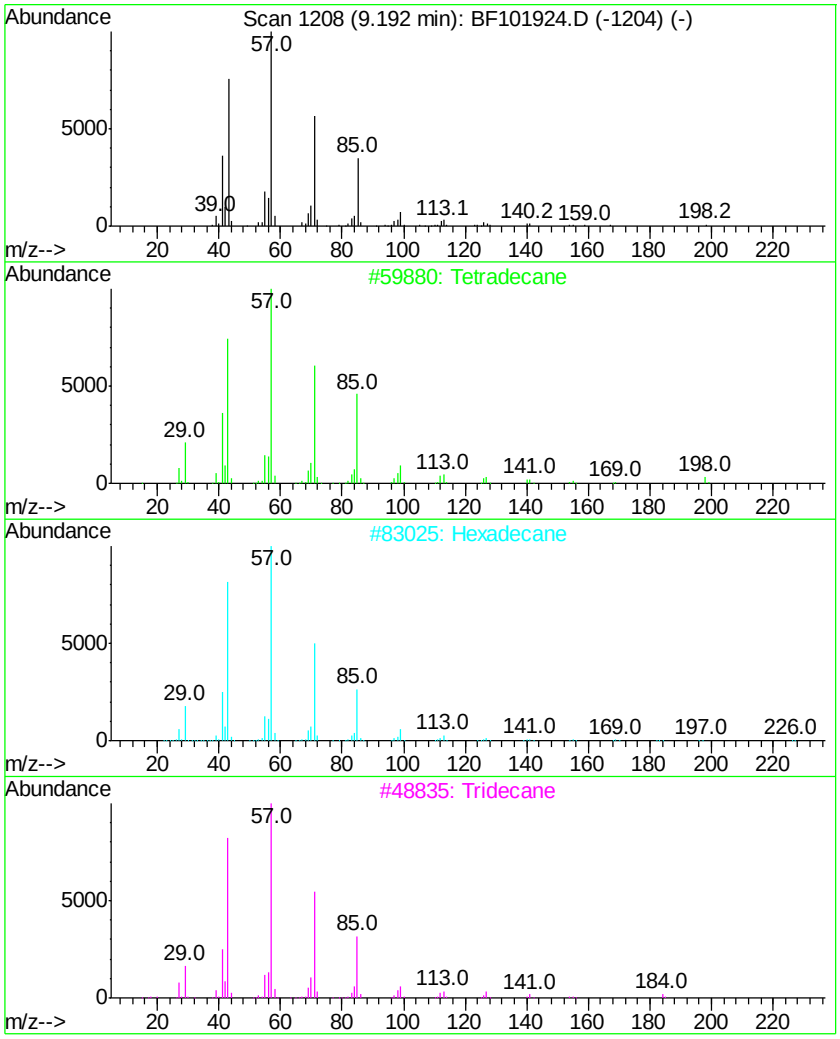
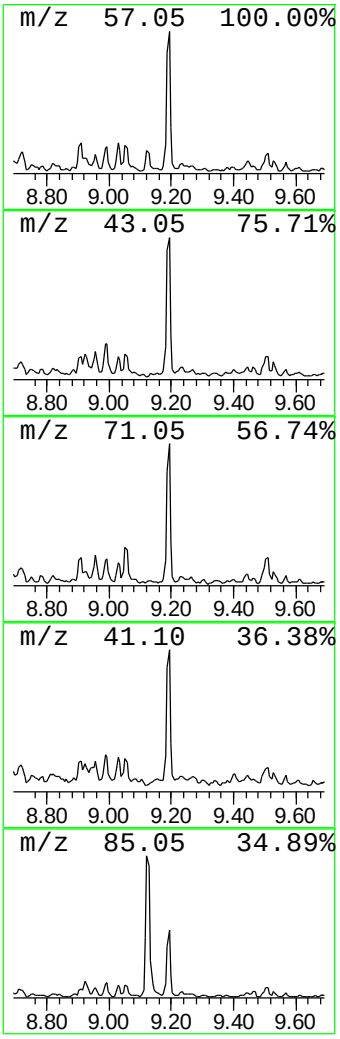
Peak Number 5 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	8.31 ng	284825	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tridecane	184	C13H28	000629-50-5	86
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	83
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	68





Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101924.D
Acq On : 5 Jan 2018 12:46
Operator : SJ/JU
Sample : J1033-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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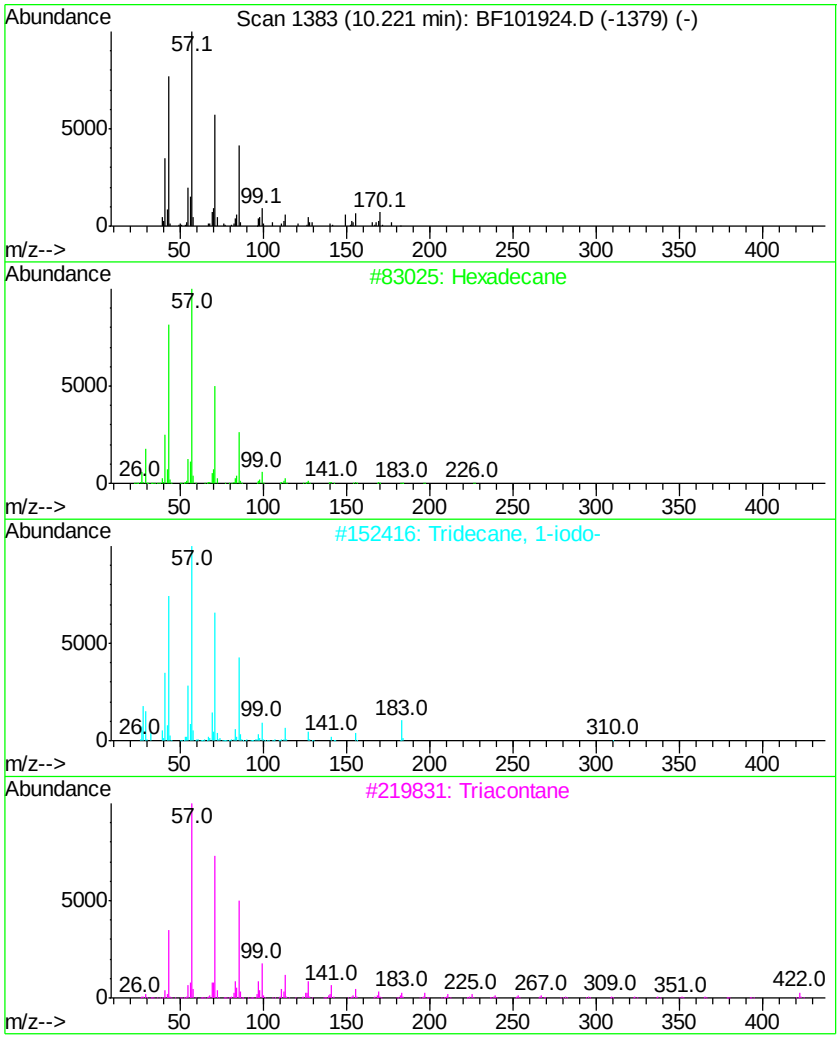
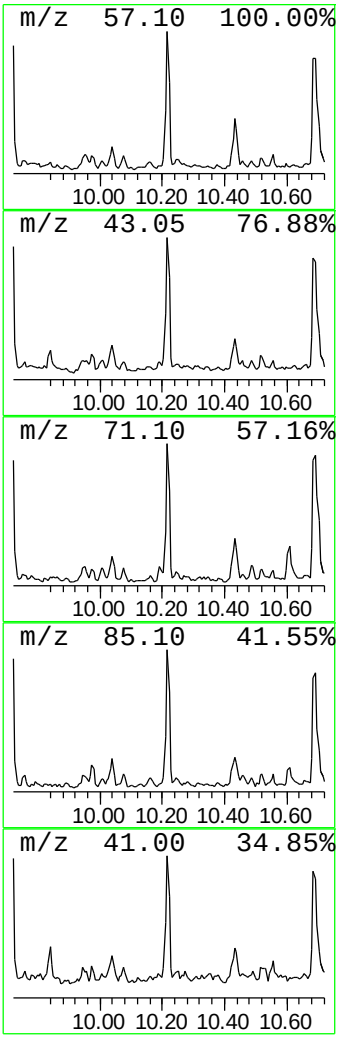
Peak Number 6 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	3.87 ng	132499	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	80
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72
3	Triacontane	422	C30H62	000638-68-6	72
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	72
5	Decane, 2-methyl-	156	C11H24	006975-98-0	68





Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101924.D
Acq On : 5 Jan 2018 12:46
Operator : SJ/JU
Sample : J1033-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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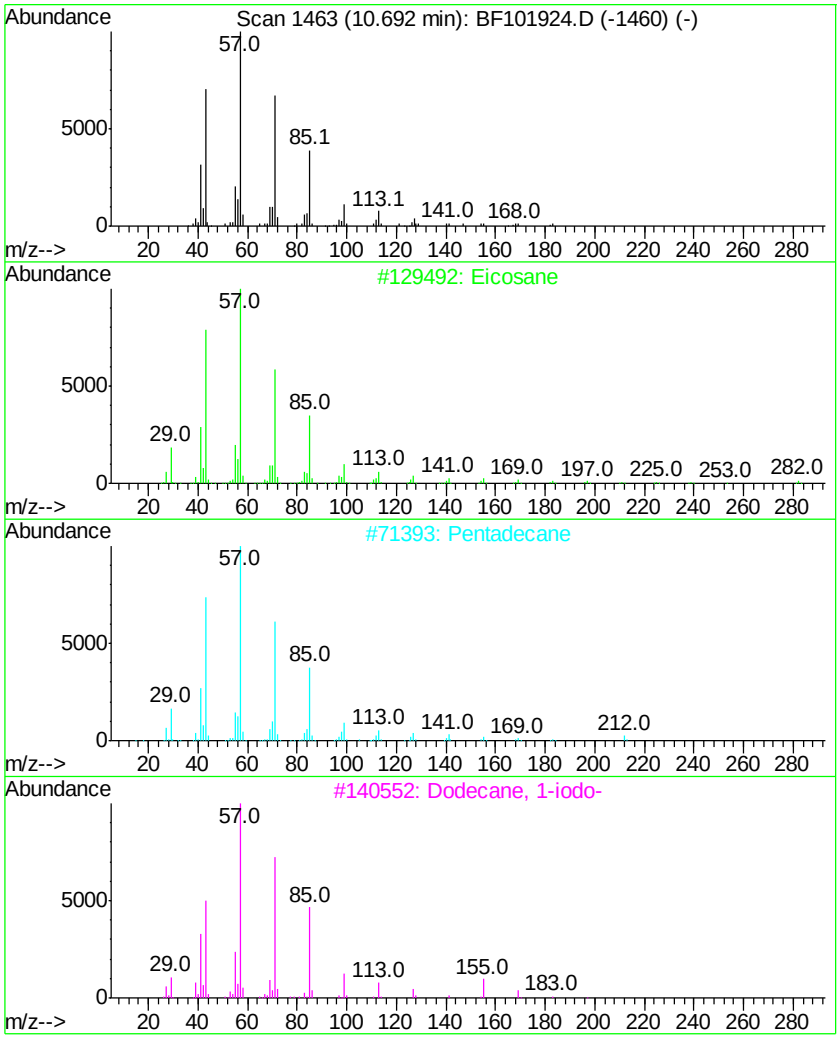
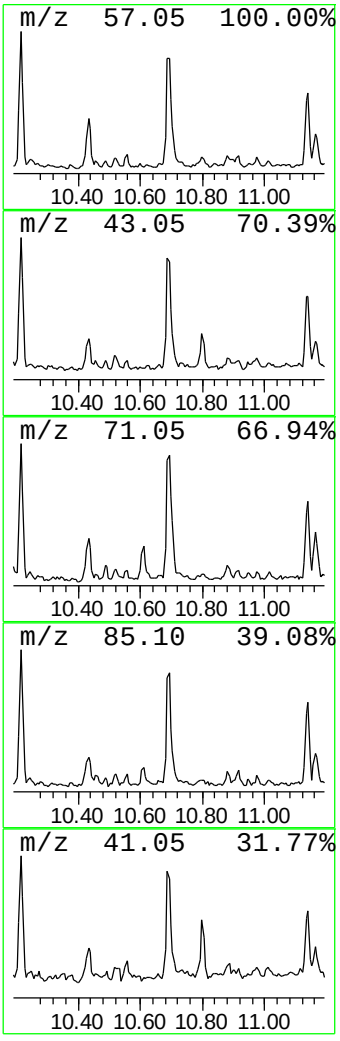
Peak Number 7 Eicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	5.40 ng	197389	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Pentadecane	212	C15H32	000629-62-9	90
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86





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Operator : SJ/JU
Sample : J1033-01
Misc :
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ClientSampleId : B-1(5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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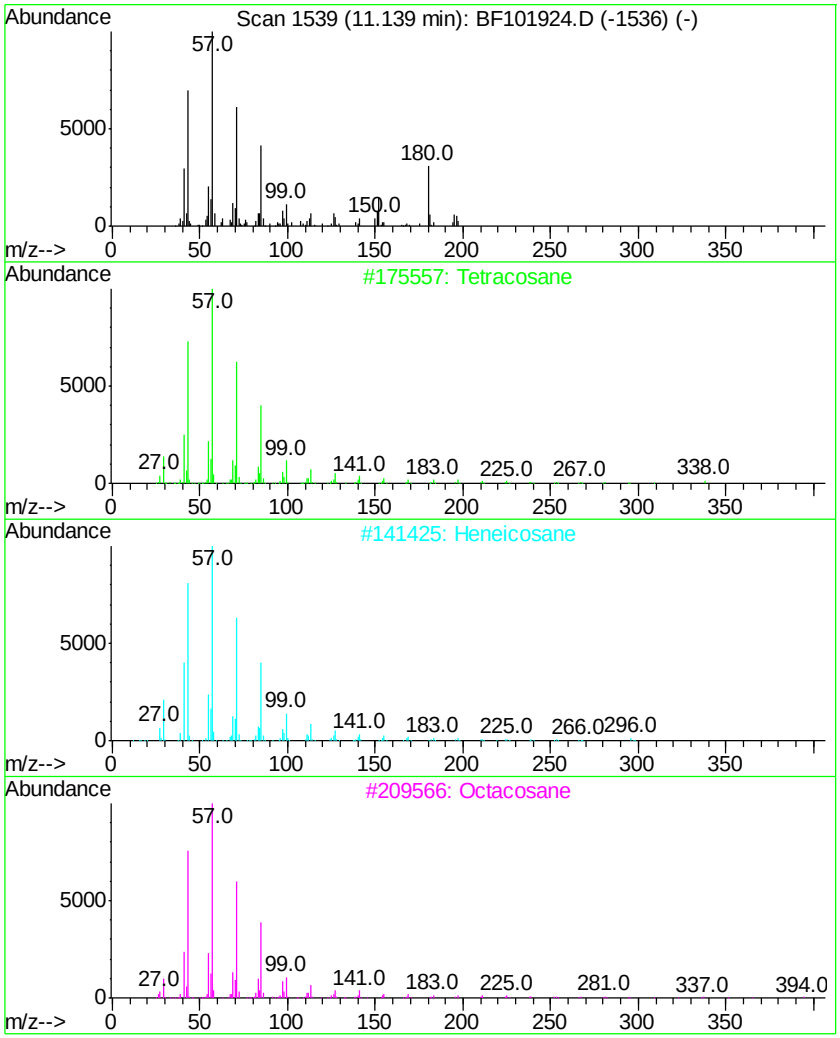
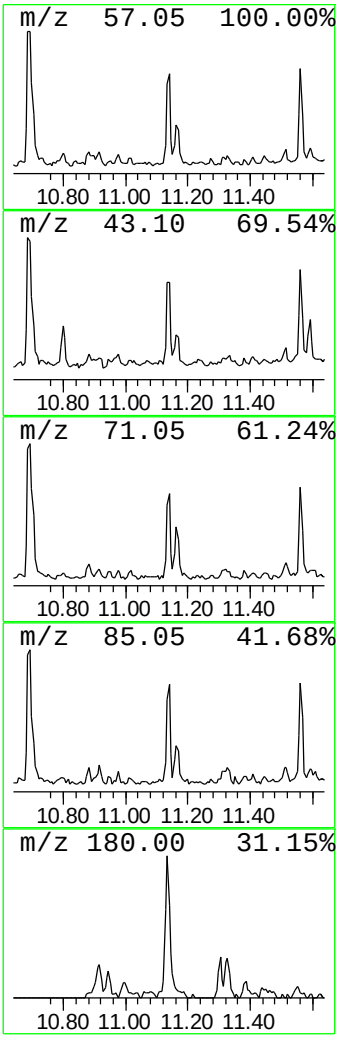
Peak Number 8 Tetracosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	3.56 ng	130236	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	70
2	Heneicosane	296	C21H44	000629-94-7	70
3	Octacosane	394	C28H58	000630-02-4	70
4	Hexacosane	366	C26H54	000630-01-3	62
5	Octadecane	254	C18H38	000593-45-3	62





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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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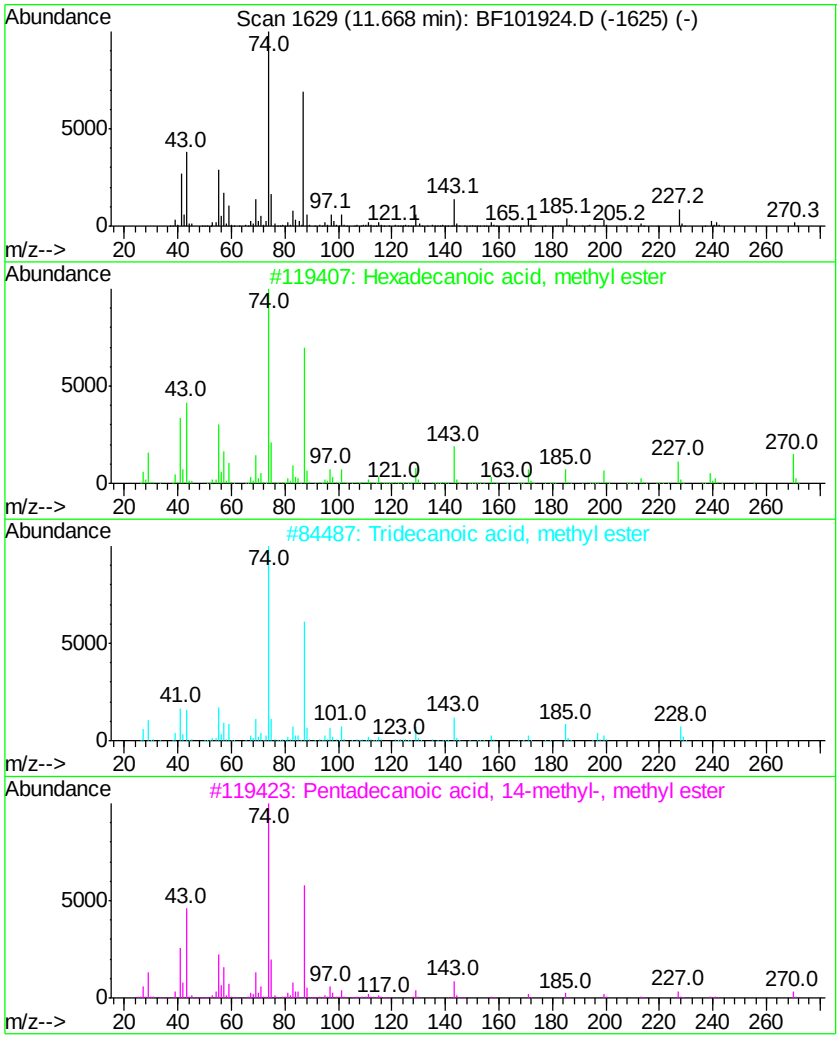
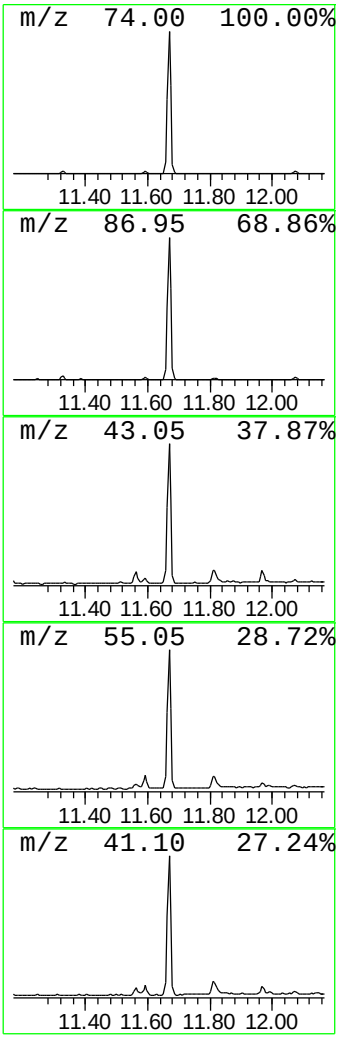
Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	51.99 ng	1900110	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	94
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91
4	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	90
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90





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

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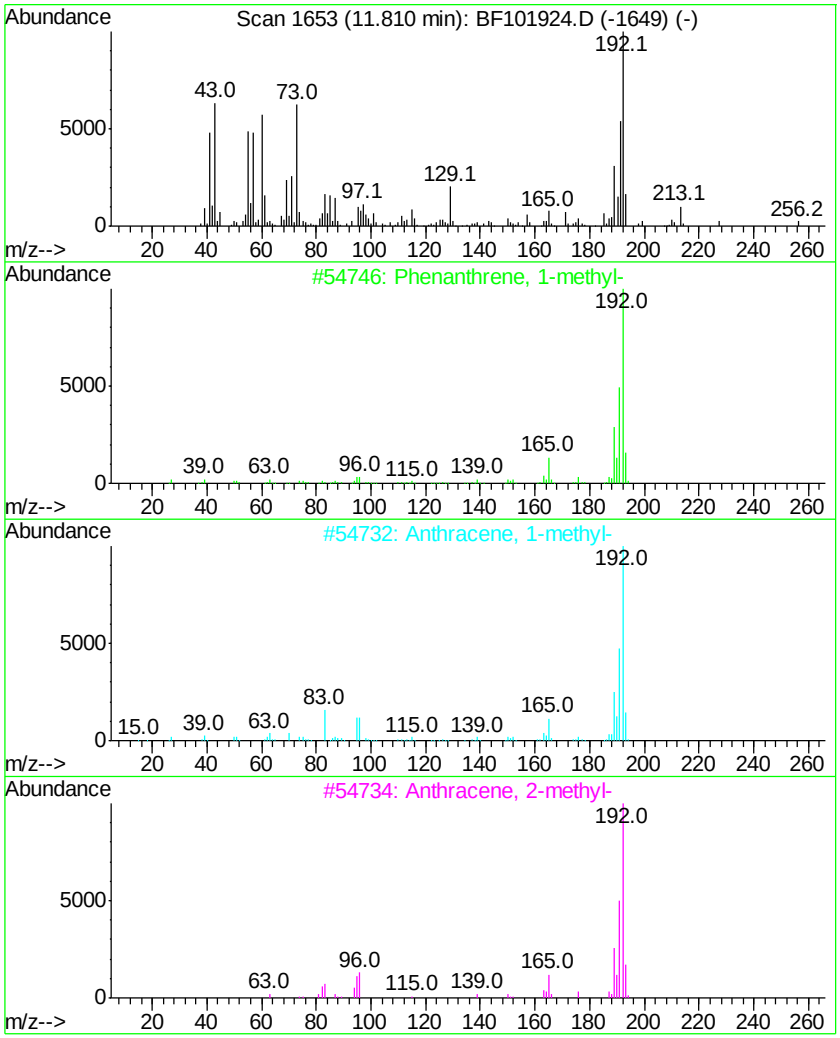
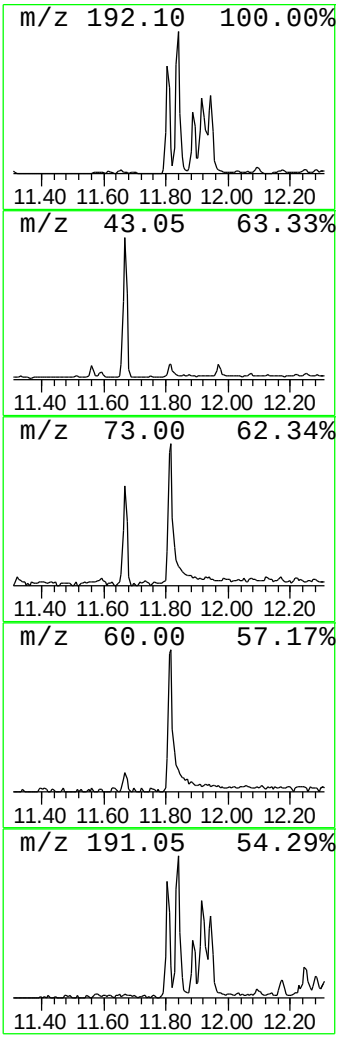
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	8.23 ng	300920	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60





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ClientSampleId : B-1(5)

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

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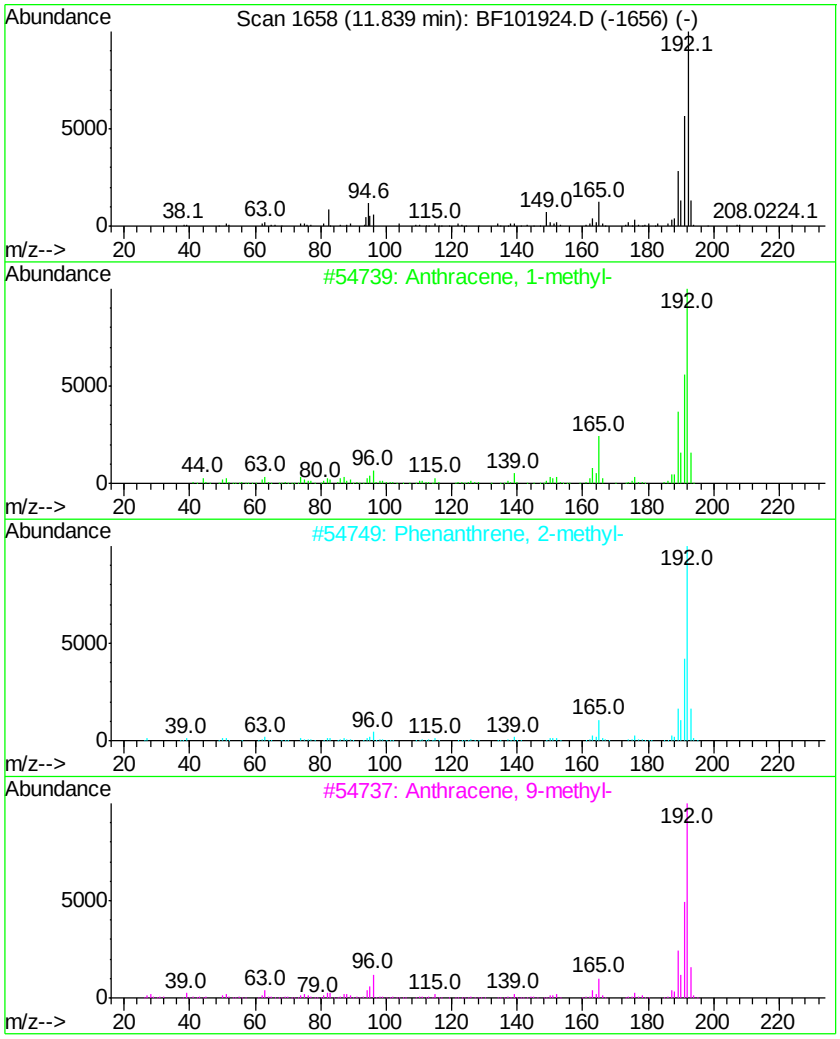
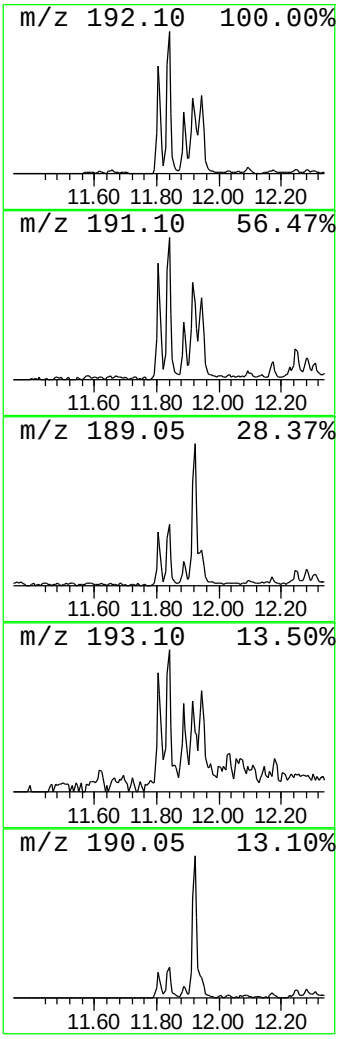
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	3.99 ng	145747	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Sample : J1033-01
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Instrument : BNA_F
ClientSampleId : B-1(5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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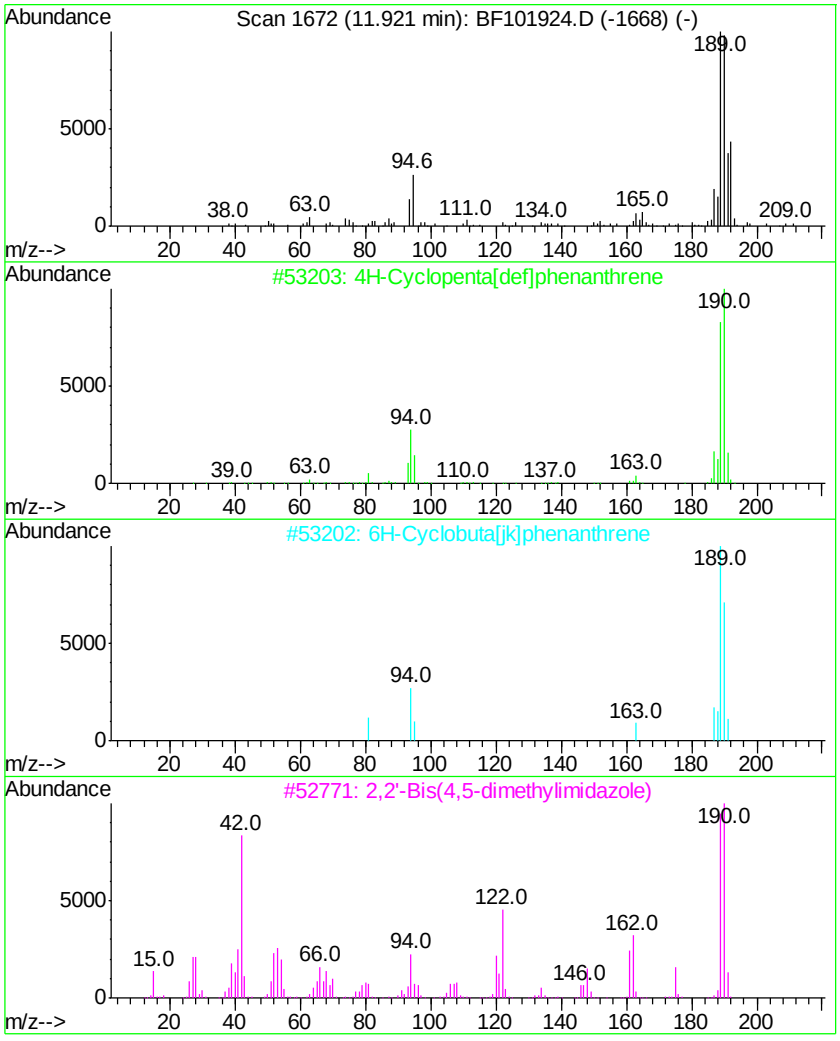
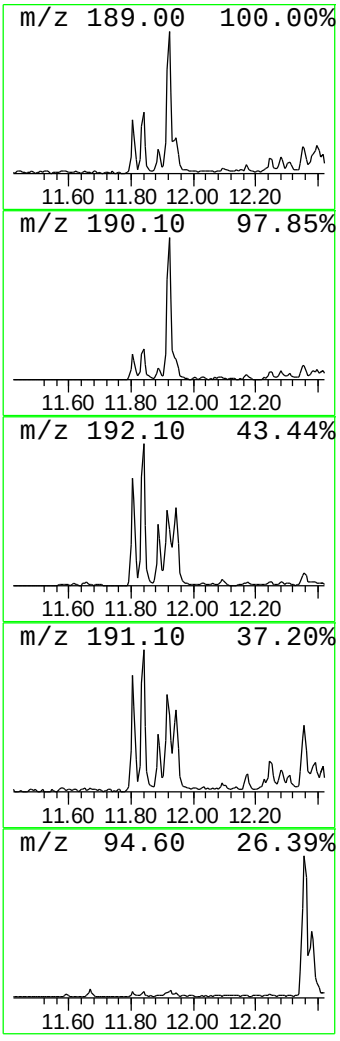
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	4.02 ng	146791	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	1-Aminocyclopentanecarboxylic ac...	445	C24H44ClNO4	1000329-17-5	35
5	1-Aminocyclopentanecarboxylic ac...	431	C23H42ClNO4	1000329-17-4	35





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ClientSampleId : B-1(5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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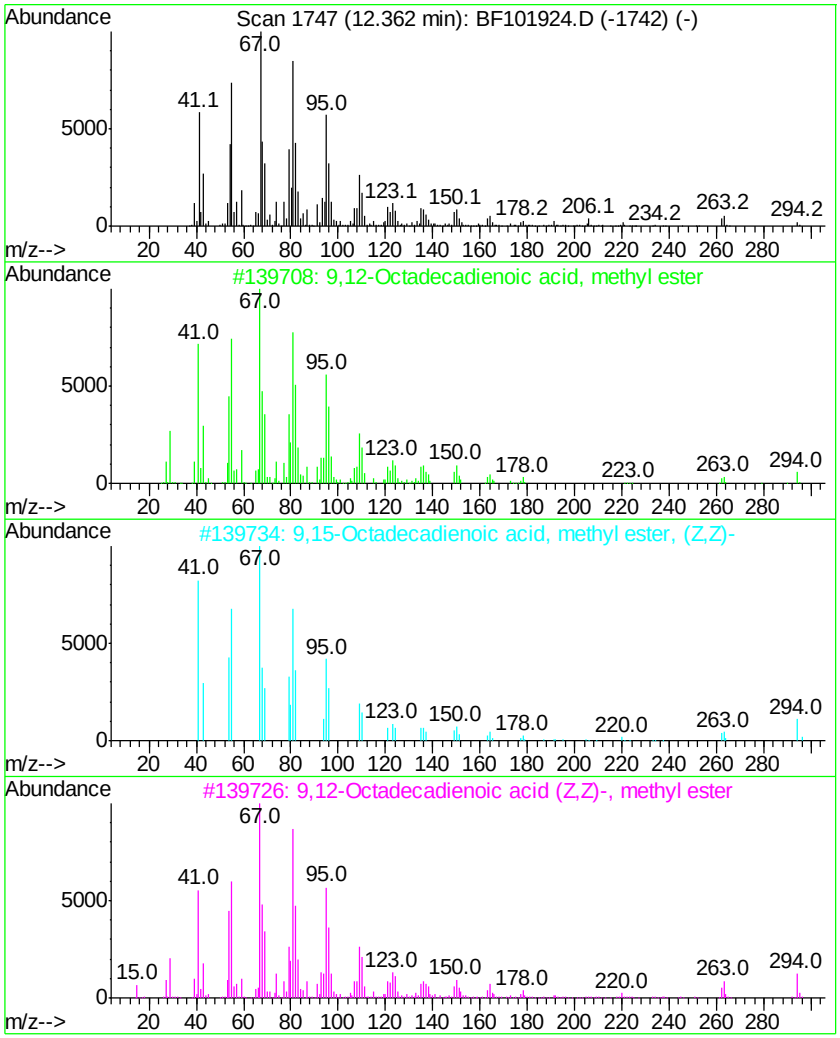
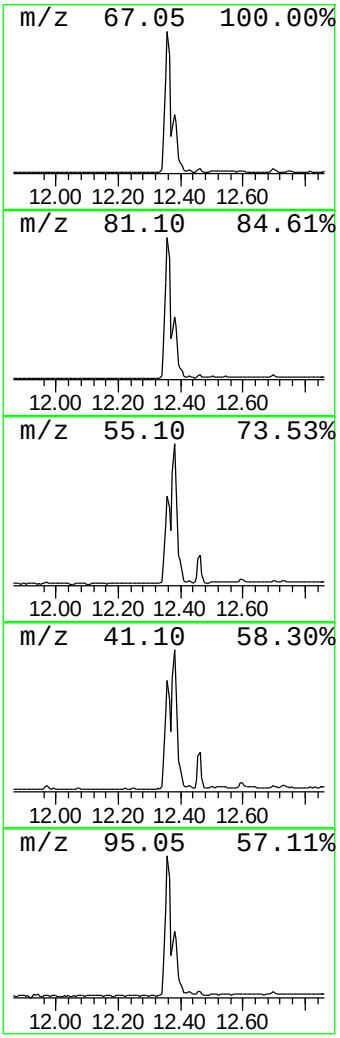
Peak Number 13 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	101.30 ng	3702010	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98





Library Search Compound Report

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ClientSampleId : B-1(5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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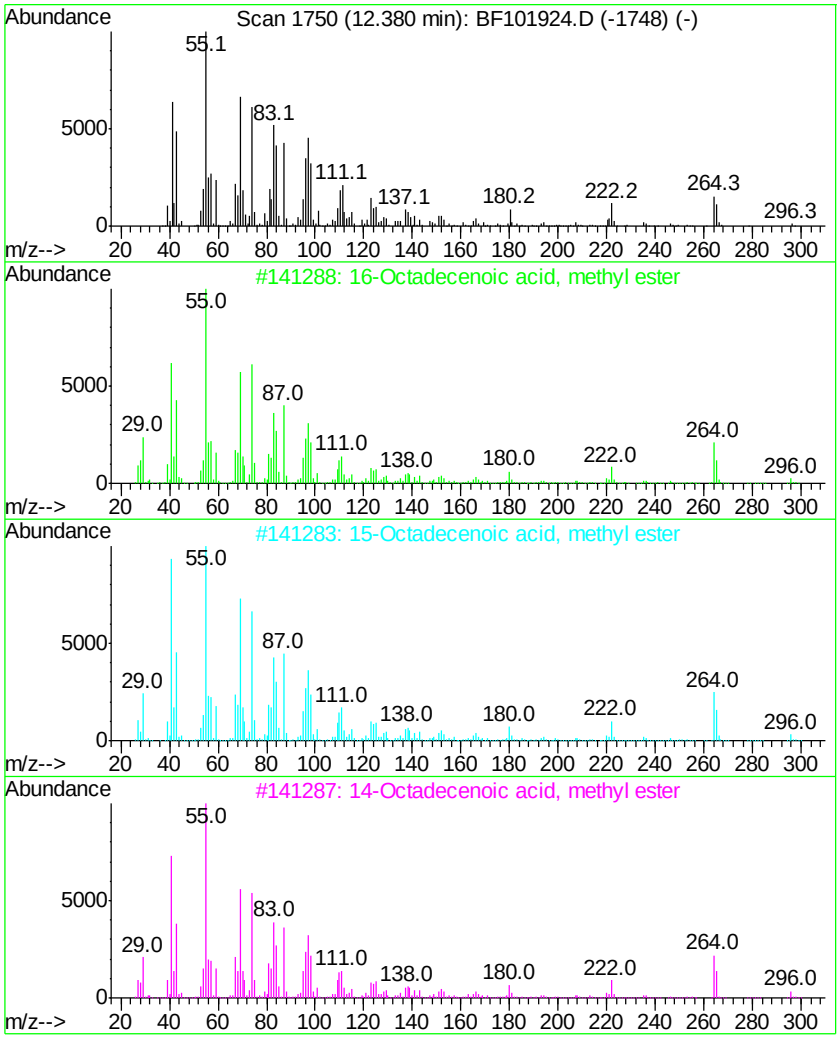
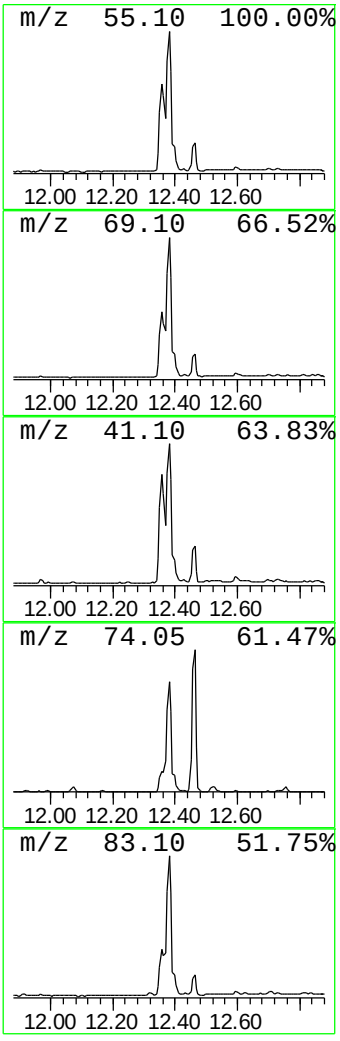
Peak Number 14 16-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	117.58 ng	4297010	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
2	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
3	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
4	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	96
5	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	95





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

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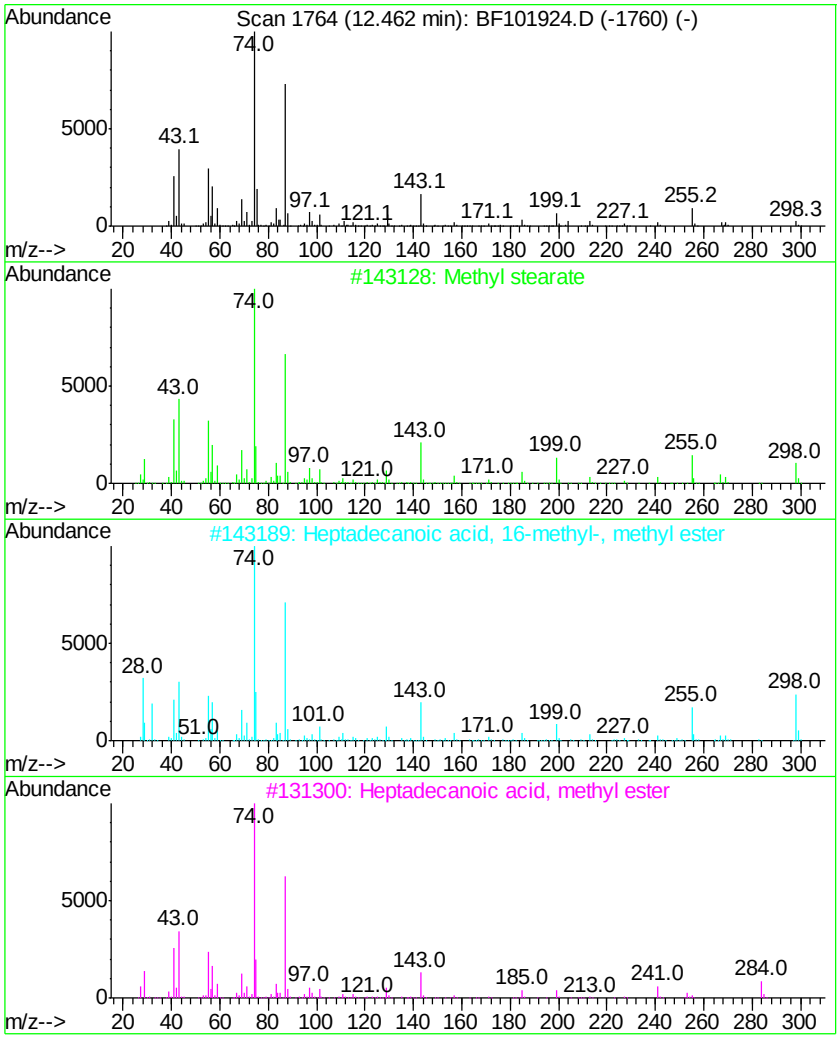
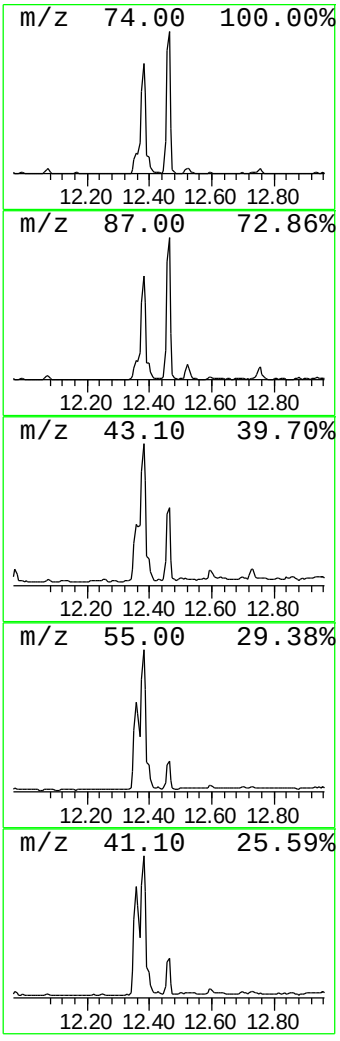
Peak Number 15 Methyl stearate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	28.43 ng	1038880	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	95
3	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	91
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	90





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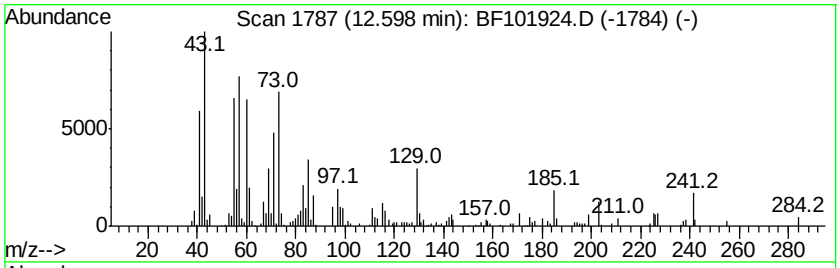
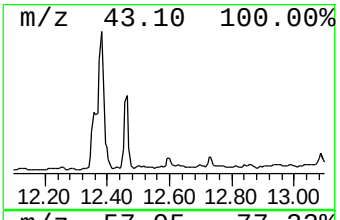
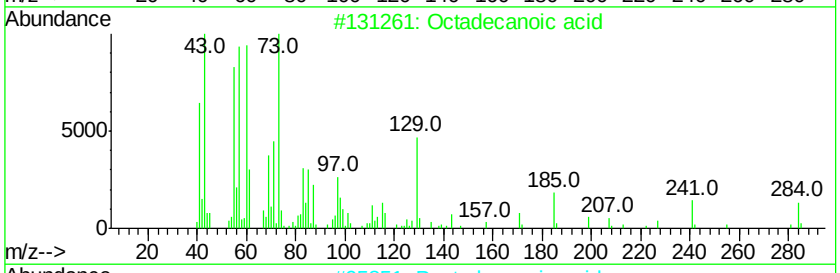
Peak Number 16 Octadecanoic acid Concentration Rank 20

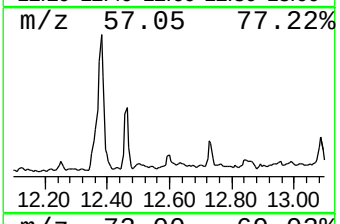
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	3.10 ng	113447	Phenanthrene-d10	11.30

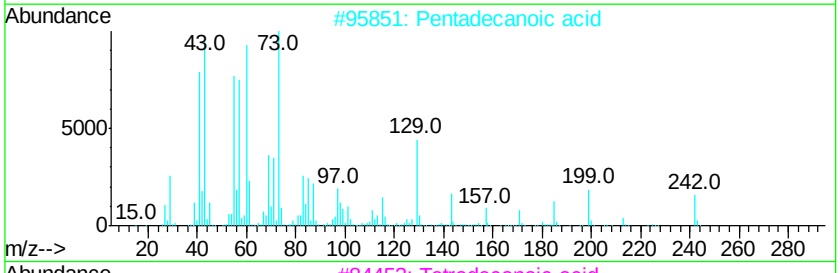
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	70
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	47
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	46
4	Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	35
5	Oxalic acid, dodecyl isobutyl ester	314	C18H34O4	1000309-37-7	30

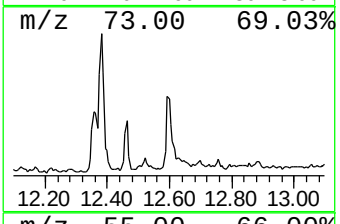


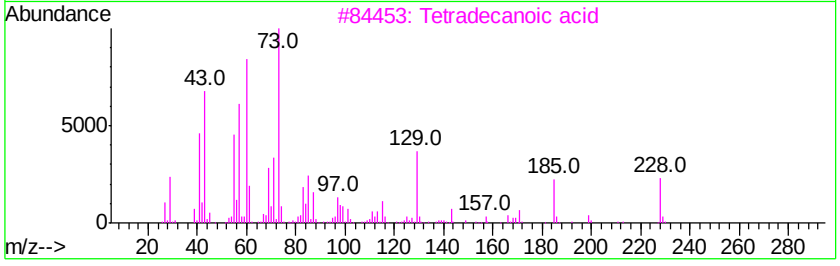


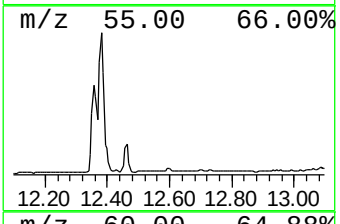


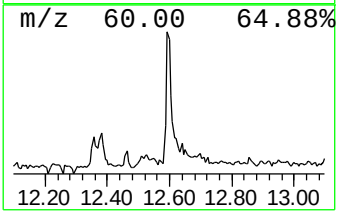












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Sample : J1033-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST11.L
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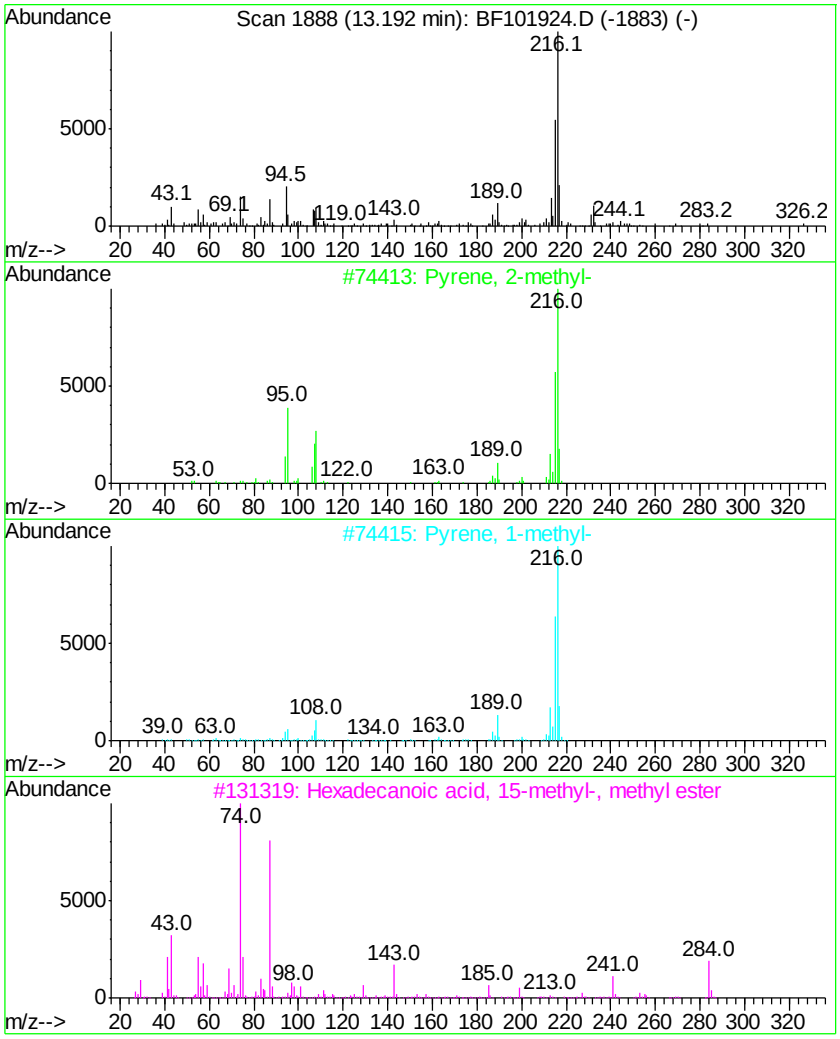
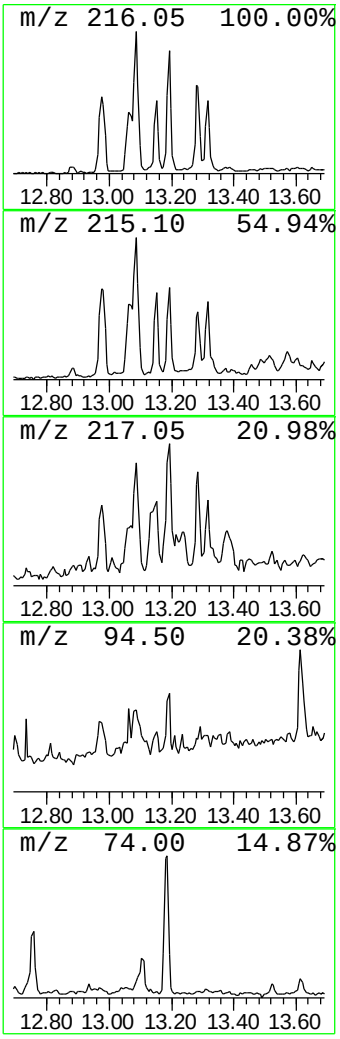
Peak Number 17 unknown13.19 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	3.40 ng	237326	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	42
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	42
3	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	38
4	Undecanoic acid, methyl ester	200	C12H24O2	001731-86-8	38
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	38





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Instrument : BNA_F
ClientSampleId : B-1(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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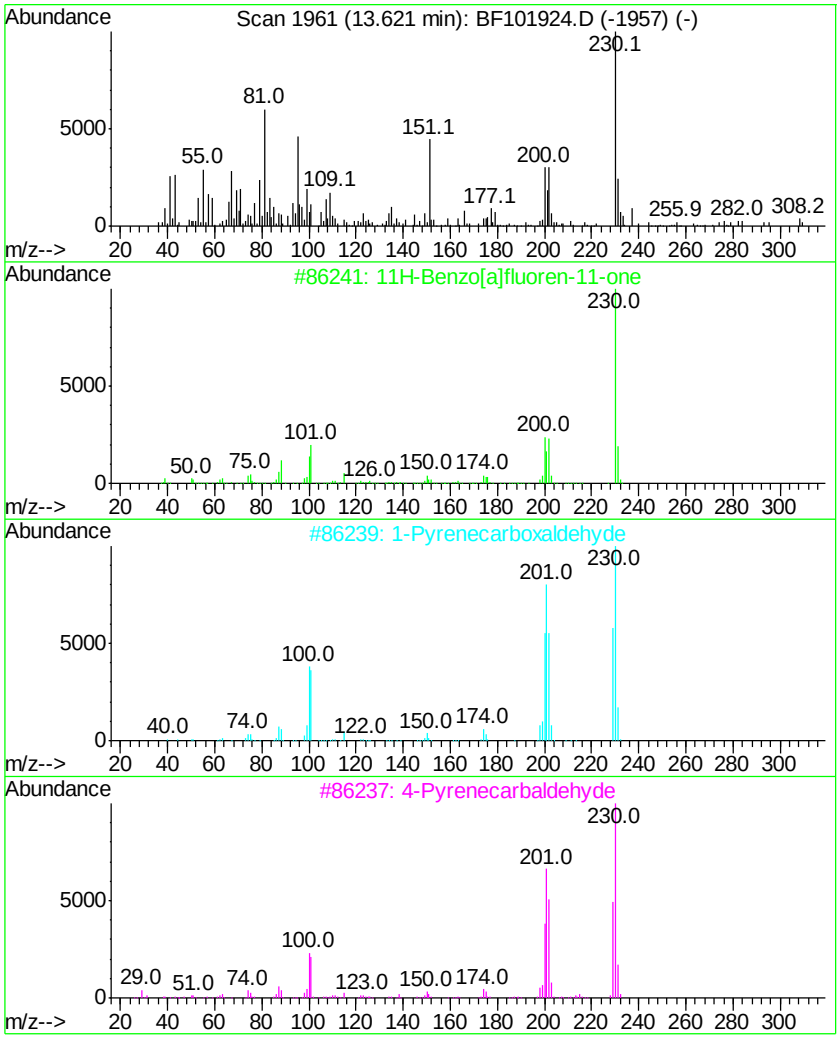
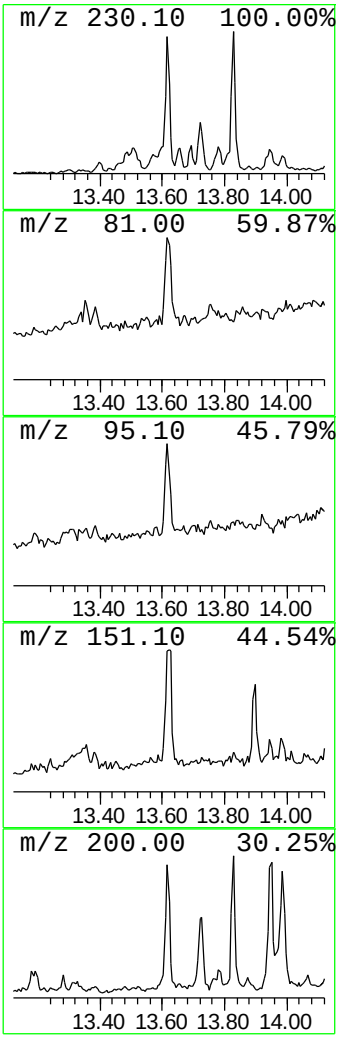
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	3.36 ng	234257	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	78
2	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	49
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	49
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	46
5	6,6-Diphenylfulvene	230	C18H14	002175-90-8	43





Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101924.D
Acq On : 5 Jan 2018 12:46
Operator : SJ/JU
Sample : J1033-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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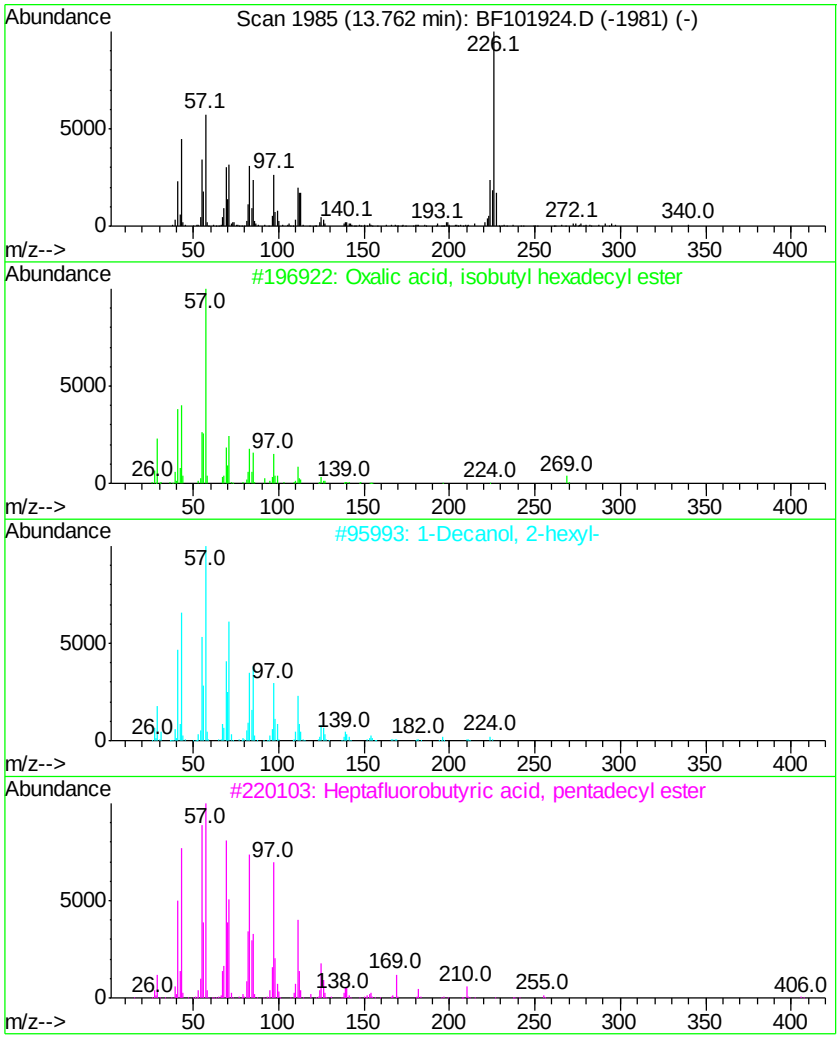
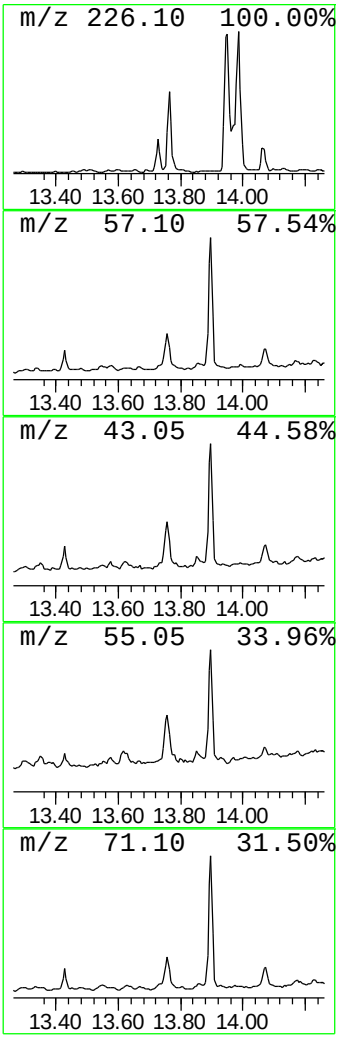
Peak Number 19 Oxalic acid, isobutyl hexad... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	4.76 ng	331725	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	68
2	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	58
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	50
4	Tetradecyl trifluoroacetate	310	C16H29F3O2	006222-02-2	49
5	3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	45





Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101924.D
Acq On : 5 Jan 2018 12:46
Operator : SJ/JU
Sample : J1033-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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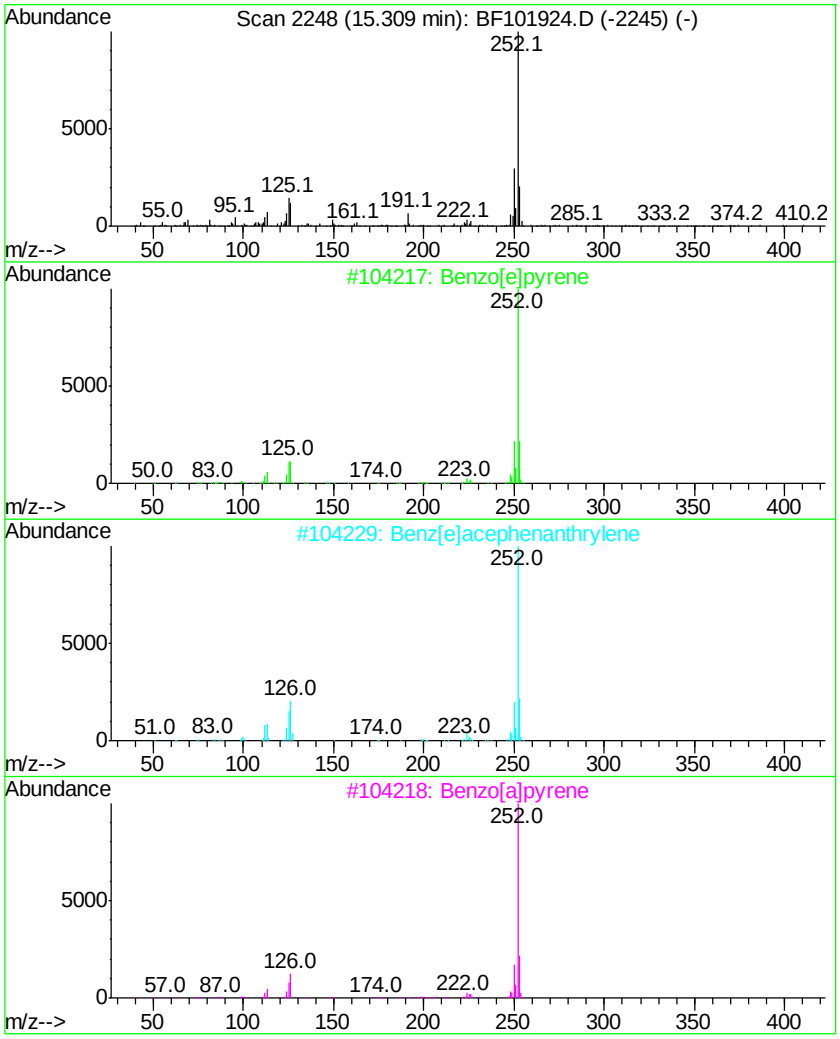
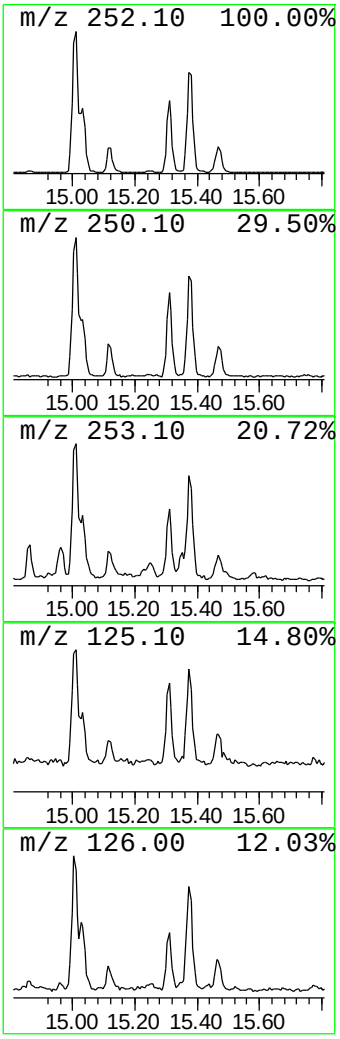
Peak Number 20 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	14.61 ng	277458	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Perylene	252	C20H12	000198-55-0	94





Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_F\DATA\BF010518\
Data File : BF101924.D
Acq On : 5 Jan 2018 12:46
Operator : SJ/JU
Sample : J1033-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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...	4.99	12.4	ng	461518	1	6.77	746110	20.0
unknown6.55	6.55	78.9	ng	2943690	1	6.77	746110	20.0
Tridecane	8.63	9.7	ng	421384	2	8.06	870438	20.0
Tetradecane	9.19	8.3	ng	284825	3	9.81	685411	20.0
Hexadecane	10.22	3.9	ng	132499	3	9.81	685411	20.0
Eicosane	10.69	5.4	ng	197389	4	11.30	730935	20.0
Tetracosane	11.14	3.6	ng	130236	4	11.30	730935	20.0
Hexadecanoic acid...	11.67	52.0	ng	1900110	4	11.30	730935	20.0
Phenanthrene, 1-m...	11.81	8.2	ng	300920	4	11.30	730935	20.0
Anthracene, 1-met...	11.84	4.0	ng	145747	4	11.30	730935	20.0
4H-Cyclopenta[def...	11.92	4.0	ng	146791	4	11.30	730935	20.0
9,12-Octadecadien...	12.36	101.3	ng	3702010	4	11.30	730935	20.0
16-Octadecenoic a...	12.38	117.6	ng	4297010	4	11.30	730935	20.0
Methyl stearate	12.46	28.4	ng	1038880	4	11.30	730935	20.0
Octadecanoic acid	12.60	3.1	ng	113447	4	11.30	730935	20.0
unknown13.19	13.19	3.4	ng	237326	5	13.96	1394060	20.0
11H-Benzo[a]fluor...	13.62	3.4	ng	234257	5	13.96	1394060	20.0
Oxalic acid, isob...	13.76	4.8	ng	331725	5	13.96	1394060	20.0
Benzo[e]pyrene	15.31	14.6	ng	277458	6	15.43	379832	20.0