LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110222.D
Acq On : 26 Oct 2018 20:58
Operator : JU/SJ
Sample : J5204-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

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-BF102318.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	2.281	28	33	41	rVB	92231	117970	1.58%	0.309%
2	5.581	590	594	607	rVB	766131	679166	9.08%	1.779%
3	6.581	760	764	777	rBV	821953	747380	9.99%	1.958%
4	6.734	786	790	796	rBV	850044	726020	9.71%	1.902%
5	6.969	826	830	833	rBV	887423	796989	10.65%	2.087%
6	7.122	852	856	864	rVB	693654	562735	7.52%	1.474%
7	7.528	921	925	933	rBV	424501	419149	5.60%	1.098%
8	8.251	1044	1048	1051	rBV	1133397	979844	13.10%	2.566%
9	8.828	1141	1146	1150	rBV3	73835	75182	1.01%	0.197%
10	8.963	1167	1169	1172	rBV	115483	93541	1.25%	0.245%
11	9.063	1181	1186	1190	rBV2	171617	190297	2.54%	0.498%
12	9.322	1227	1230	1234	rBV	947908	732263	9.79%	1.918%
13	9.392	1239	1242	1245	rBV	135684	105858	1.42%	0.277%
14	9.592	1272	1276	1280	rBV2	96828	146798	1.96%	0.384%
15	9.663	1280	1288	1291	rBV2	152652	214487	2.87%	0.562%
16	9.692	1291	1293	1295	rVV	94399	87243	1.17%	0.229%
17	9.716	1295	1297	1301	rVV2	113184	115035	1.54%	0.301%
18	9.781	1305	1308	1310	rBV3	89515	89776	1.20%	0.235%
19	9.869	1317	1323	1327	rBV	135000	149303	2.00%	0.391%
20	9.922	1329	1332	1336	rVB	186316	158791	2.12%	0.416%
21	10.010	1344	1347	1350	rVV	1027865	832900	11.13%	2.181%
22	10.045	1350	1353	1356	rVB	175875	161122	2.15%	0.422%
23	10.216	1378	1382	1385	rVB2	138040	144818	1.94%	0.379%
24	10.245	1385	1387	1391	rVB2	91841	83076	1.11%	0.218%
25	10.322	1397	1400	1403	rBV2	77951	88768	1.19%	0.232%
26	10.422	1411	1417	1421	rBV2	256085	259705	3.47%	0.680%
27	10.557	1437	1440	1447	rVB	291408	294110	3.93%	0.770%
28	10.645	1450	1455	1457	rVB2	102485	127863	1.71%	0.335%
29	10.798	1478	1481	1485	rBV	348754	320747	4.29%	0.840%
30	10.898	1495	1498	1508	rVB	244604	325812	4.36%	0.853%
31	11.110	1528	1534	1536	rBV2	88652	132043	1.77%	0.346%
32	11.345	1571	1574	1577	rBV	223101	184852	2.47%	0.484%
33	11.398	1581	1583	1587	rVB	134456	114607	1.53%	0.300%
34	11.504	1597	1601	1603	rBV	915886	803063	10.74%	2.103%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J5204-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.528	1603	1605	1608	rVV	1502737	1144041	15.29%	2.996%
36	11.580	1609	1614	1617	rBV	372407	320606	4.29%	0.840%
37	11.733	1636	1640	1644	rBV	120773	127025	1.70%	0.333%
38	11.775	1644	1647	1649	rBV	166531	123962	1.66%	0.325%
39	11.880	1661	1665	1668	rVB	2574295	2117055	28.30%	5.545%
40	12.004	1683	1686	1689	rBV	257322	237282	3.17%	0.621%
41	12.033	1689	1691	1694	rVB	338163	254646	3.40%	0.667%
42	12.080	1696	1699	1702	rBV	116052	98663	1.32%	0.258%
43	12.122	1702	1706	1708	rBV2	348140	388519	5.19%	1.018%
44	12.180	1713	1716	1719	rBV	156496	144465	1.93%	0.378%
45	12.298	1731	1736	1739	rBV2	137641	136461	1.82%	0.357%
46	12.575	1776	1783	1785	rBV	6319675	7480420	100.00%	19.592%
47	12.592	1785	1786	1792	rVV2	4904389	4200387	56.15%	11.001%
48	12.639	1792	1794	1796	rVV2	113515	112777	1.51%	0.295%
49	12.669	1796	1799	1803	rVB	1048517	954101	12.75%	2.499%
50	12.722	1804	1808	1812	rBV	1407473	1276244	17.06%	3.343%
51	12.910	1836	1840	1842	rBV3	151092	142889	1.91%	0.374%
52	12.957	1842	1848	1853	rVB	1275150	1428672	19.10%	3.742%
53	13.004	1853	1856	1859	rBV2	89301	88139	1.18%	0.231%
54	13.086	1865	1870	1873	rBV	675156	585366	7.83%	1.533%
55	13.116	1873	1875	1878	rVB	87356	74992	1.00%	0.196%
56	13.169	1880	1884	1889	rBV3	98955	191792	2.56%	0.502%
57	13.233	1892	1895	1897	rBV2	145430	144051	1.93%	0.377%
58	13.257	1897	1899	1900	rVV2	133417	121339	1.62%	0.318%
59	13.280	1900	1903	1905	rVB	226896	234414	3.13%	0.614%
60	13.345	1912	1914	1917	rVB	210500	159779	2.14%	0.418%
61	13.386	1917	1921	1928	rBV4	177929	312812	4.18%	0.819%
62	13.480	1934	1937	1939	rBV	82235	83790	1.12%	0.219%
63	13.510	1939	1942	1945	rBV	116370	114267	1.53%	0.299%
64	13.786	1987	1989	1993	rVB	70279	75104	1.00%	0.197%
65	13.904	2006	2009	2011	rVB	85171	76387	1.02%	0.200%
66	13.969	2015	2020	2023	rBV4	119094	171673	2.29%	0.450%
67	14.069	2033	2037	2043	rBV2	115947	173633	2.32%	0.455%
68	14.151	2046	2051	2054	rVV2	877854	1266207	16.93%	3.316%
69	14.180	2054	2056	2062	rVB	470547	418864	5.60%	1.097%
70	14.286	2072	2074	2081	rVB4	96210	124052	1.66%	0.325%
71	14.592	2124	2126	2132	rVB3	101399	102879	1.38%	0.269%

LSC Area Percent Report

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Acq On : 26 Oct 2018 20:58
Operator : JU/SJ
Sample : J5204-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.692	2141	2143	2147	rVB2	94444	77403	1.03%	0.203%
73	15.051	2200	2204	2213	rVB	158057	285141	3.81%	0.747%
74	15.227	2230	2234	2237	rBV	262237	406916	5.44%	1.066%
75	15.551	2285	2289	2296	rVB	156249	210175	2.81%	0.550%
76	15.615	2296	2300	2305	rBV	259817	349396	4.67%	0.915%
77	15.680	2307	2311	2315	rVB2	341593	456350	6.10%	1.195%
78	17.251	2574	2578	2583	rVB2	71077	125774	1.68%	0.329%

Sum of corrected areas: 38180223

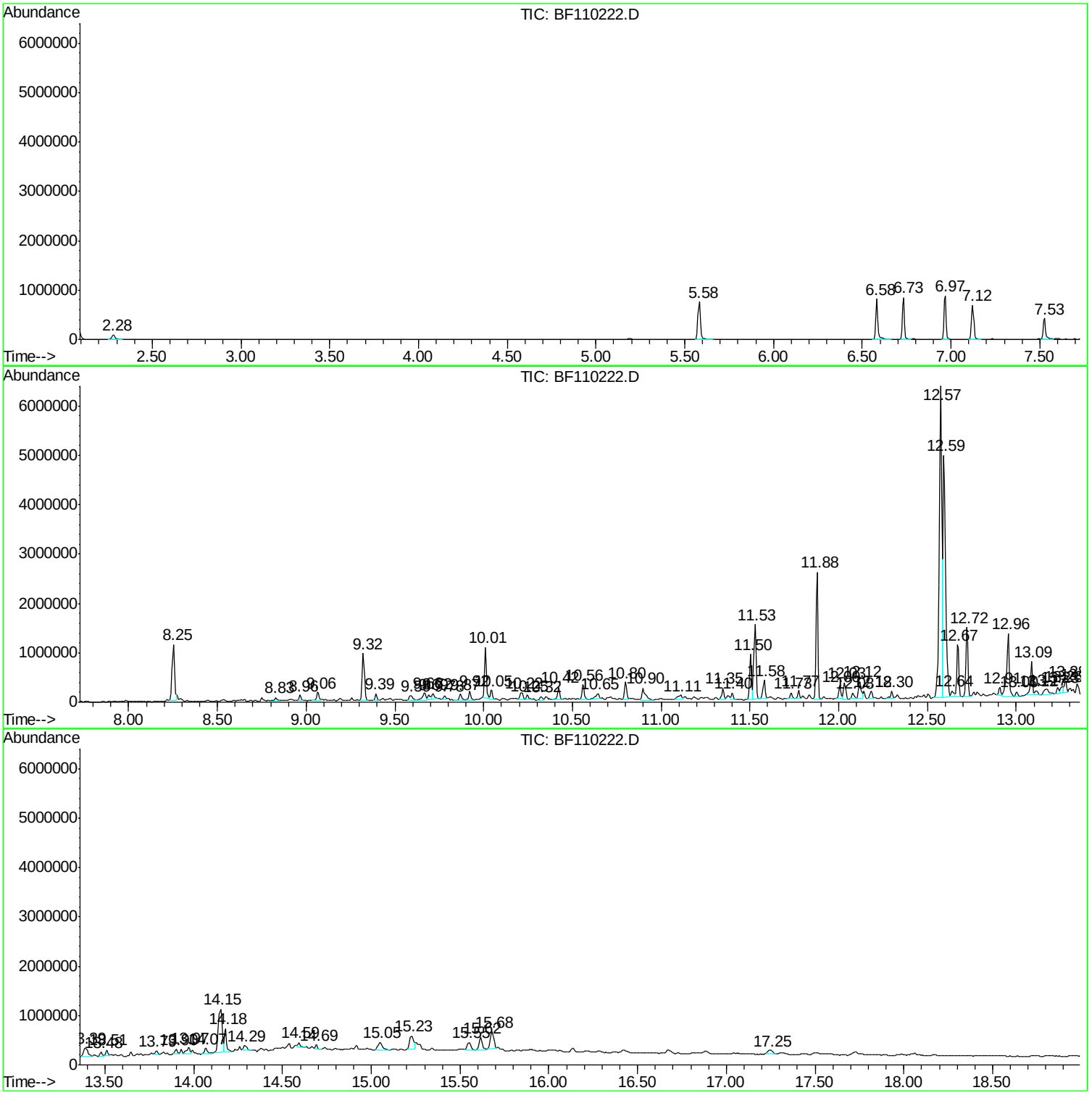
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110222.D
Acq On : 26 Oct 2018 20:58
Operator : JU/SJ
Sample : J5204-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-102518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110222.D
Acq On : 26 Oct 2018 20:58
Operator : JU/SJ
Sample : J5204-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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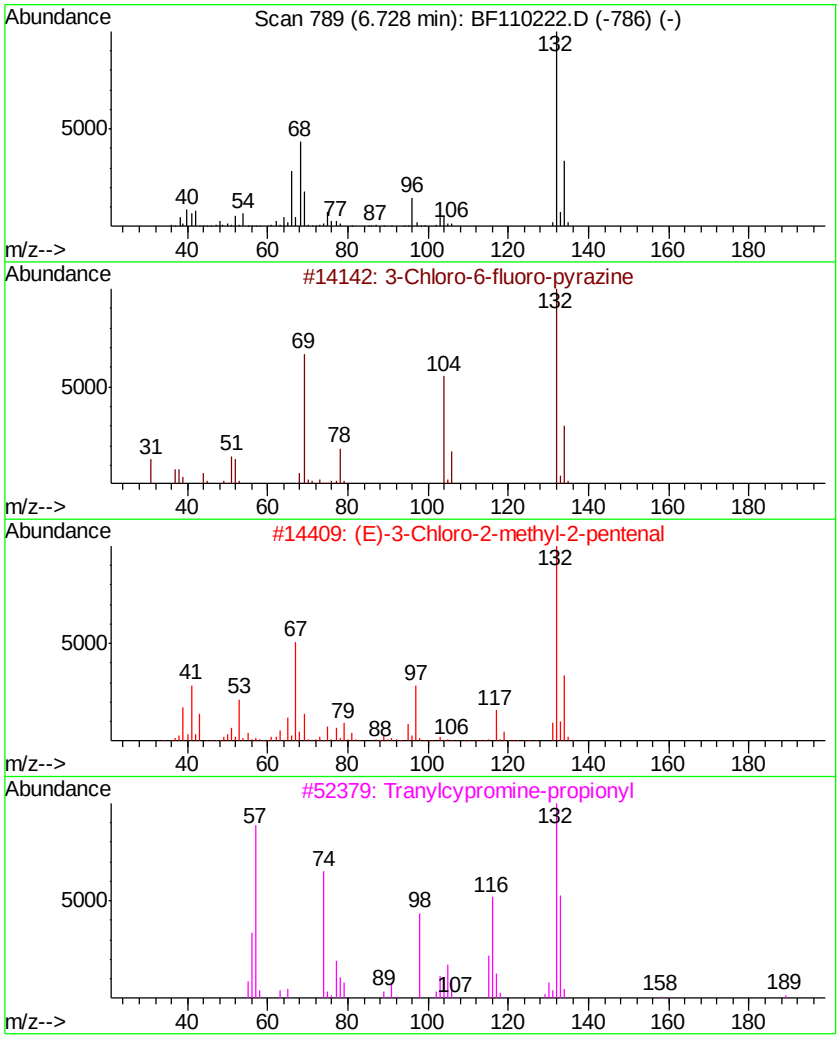
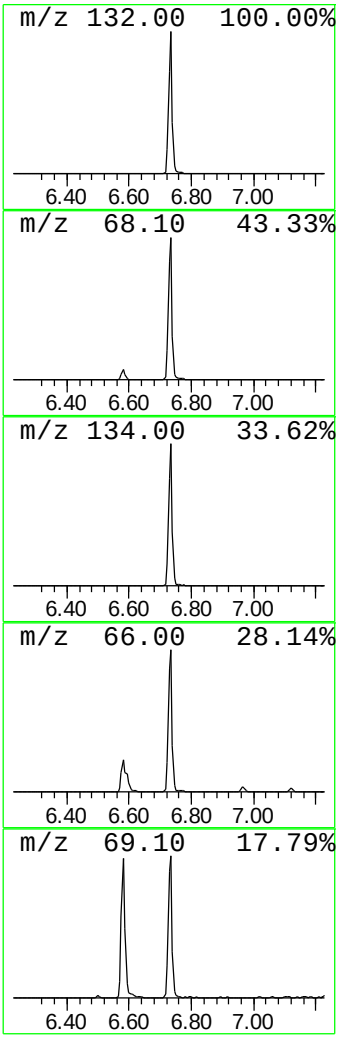
Peak Number 1 unknown6.73 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	18.22 ng	726020	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	5-Aminoindole	132	C8H8N2	005192-03-0	16
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
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Sample : J5204-11 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-02-102518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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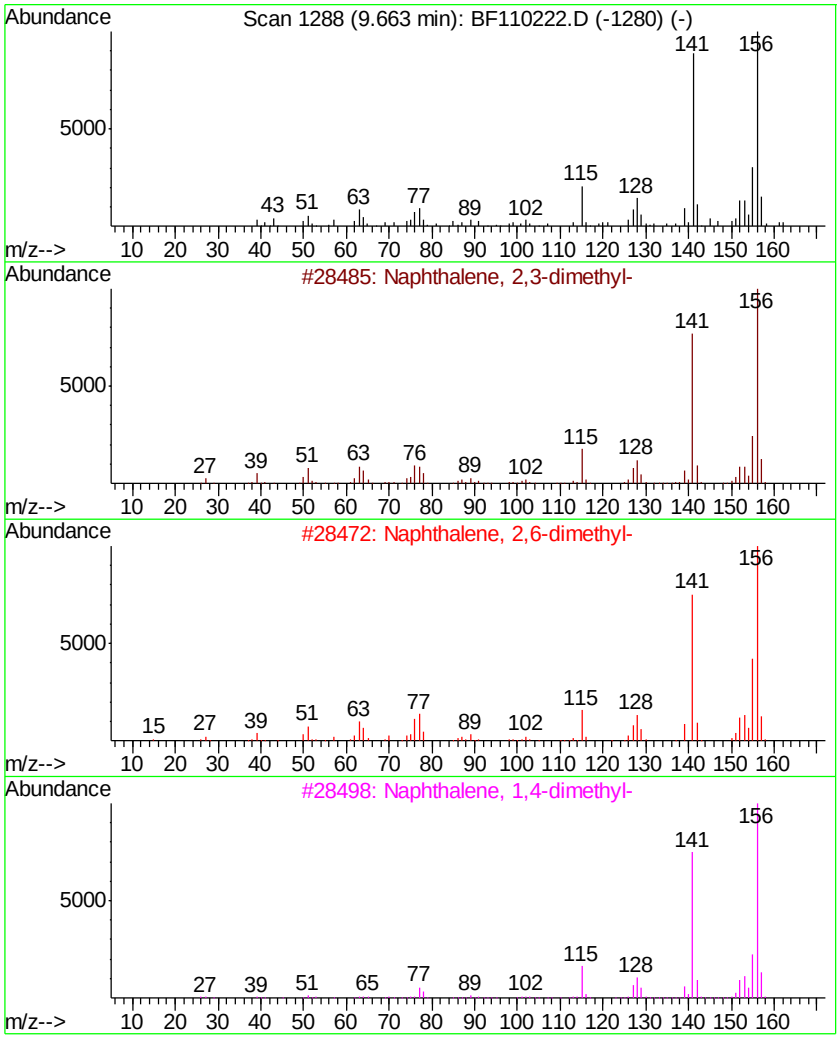
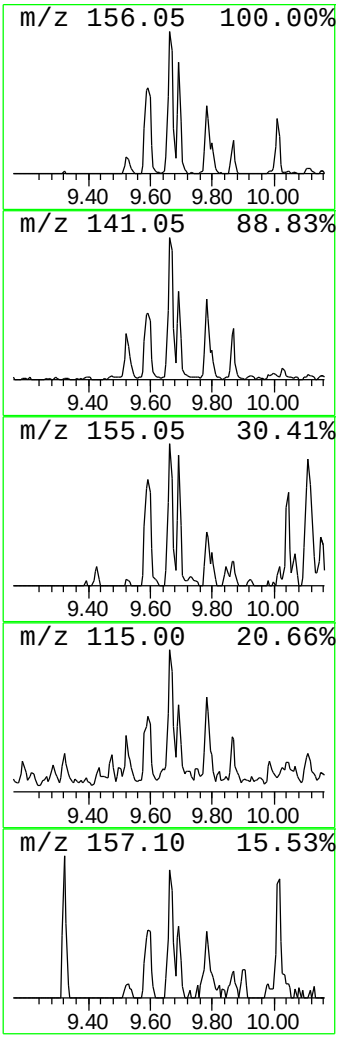
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	5.15 ng	214487	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110222.D
Acq On : 26 Oct 2018 20:58
Operator : JU/SJ
Sample : J5204-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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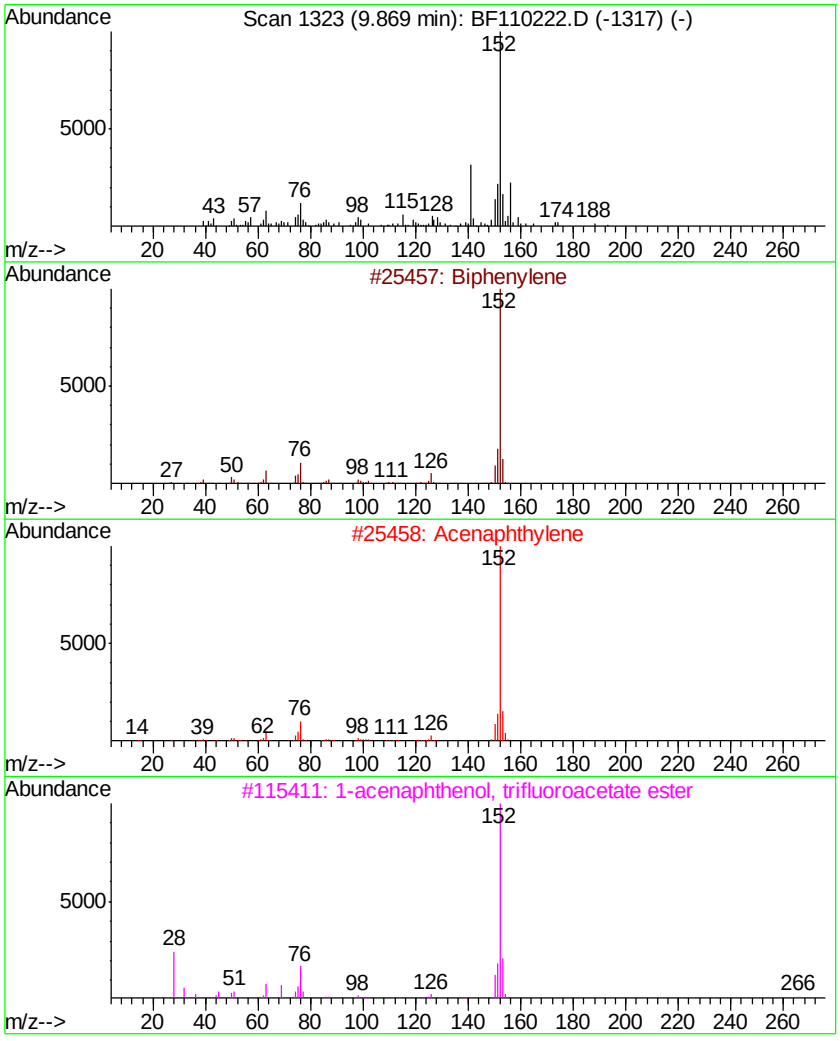
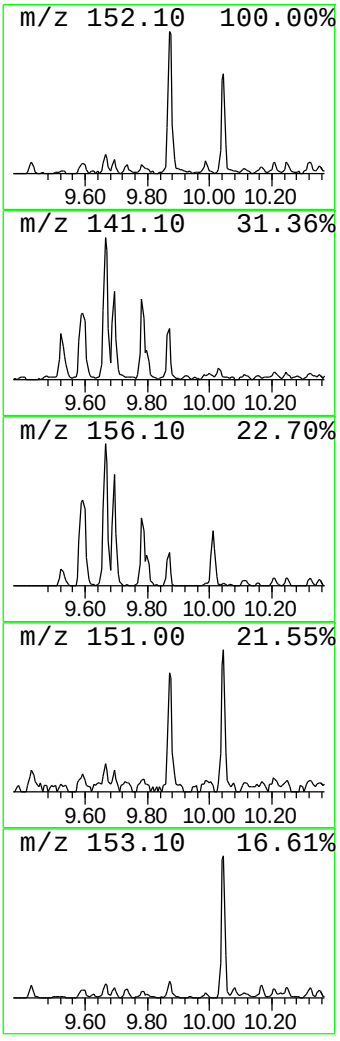
Peak Number 4 Biphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.87	3.59 ng	149303	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	70
2	Acenaphthylene	152	C12H8	000208-96-8	52
3	1-acenaphthenol, trifluoroacetat...	266	C14H9F3O2	1000376-45-2	50
4	(6Balpha,7beta,11alpha,11aalpha)...	334	C25H18O	1000241-69-8	50
5	5,6-Dihydro-4-methylthieno(2,3-d...	152	C7H8N2S	092204-06-3	47





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

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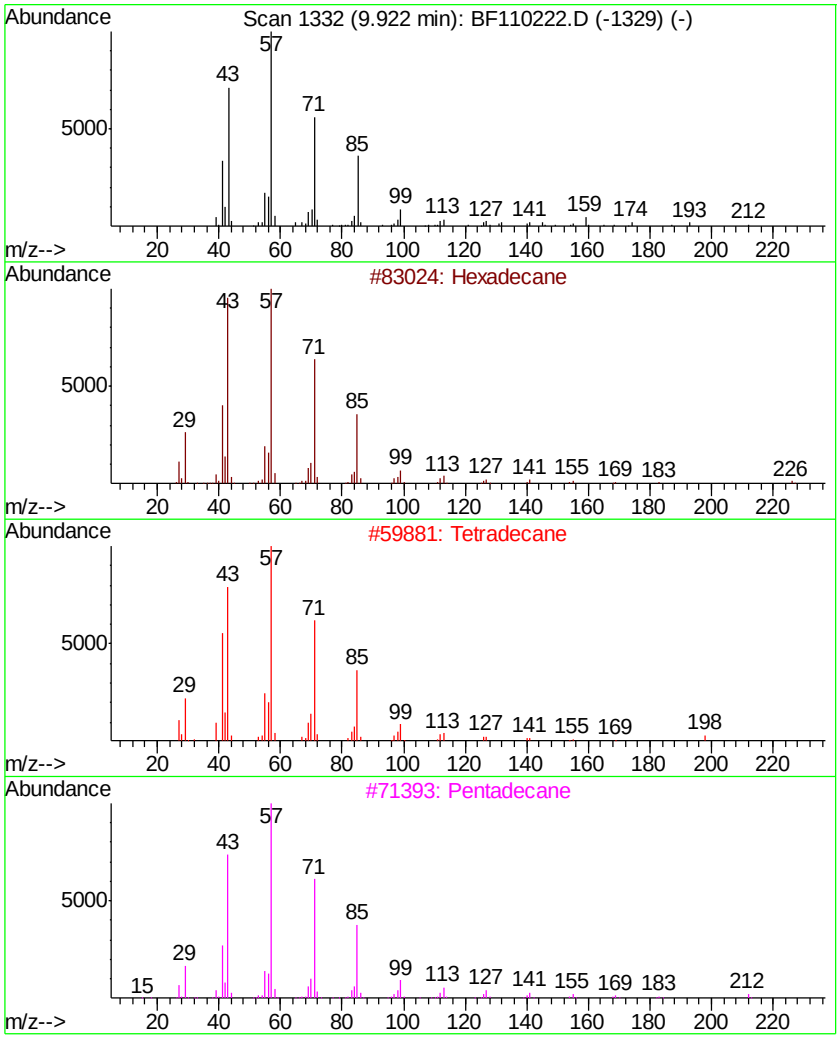
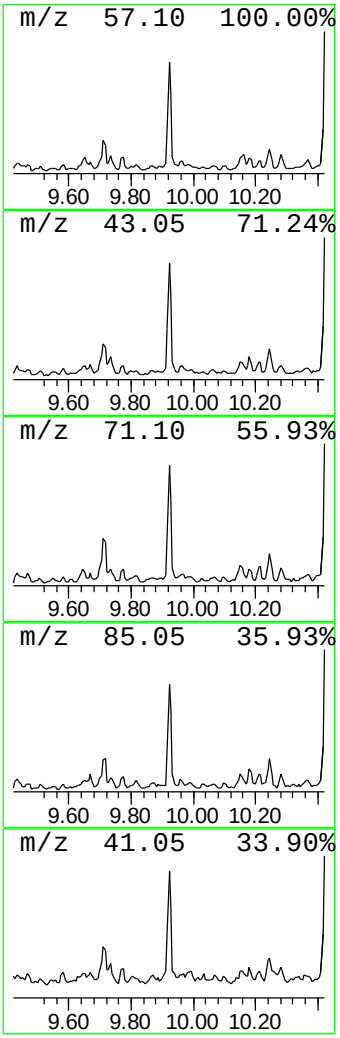
Peak Number 5 Sulfurous acid, 2-ethylhexy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	3.81 ng	158791	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tetradecane	198	C14H30	000629-59-4	80
3	Pentadecane	212	C15H32	000629-62-9	80
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72
5	Tridecane	184	C13H28	000629-50-5	72





Library Search Compound Report

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Sample : J5204-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

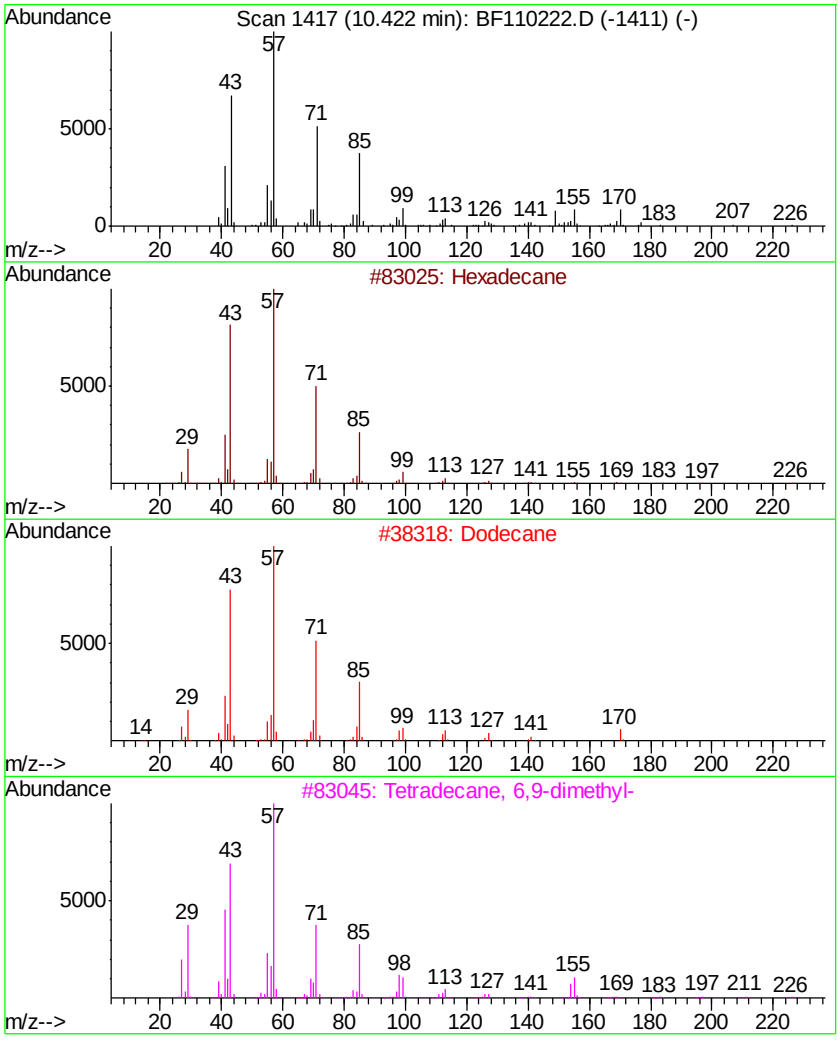
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

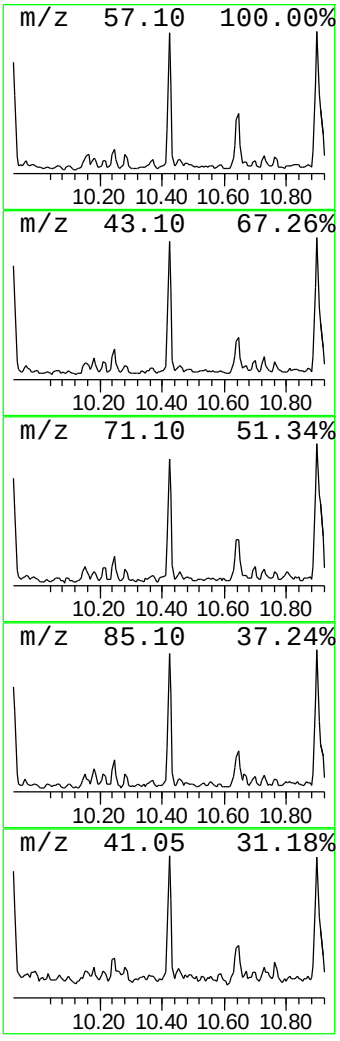
****

Peak Number 6 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	6.24 ng	259705	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Dodecane	170	C12H26	000112-40-3	74
3	Tetradecane, 6,9-dimethyl-	226	C16H34	055045-13-1	70
4	Tetradecane	198	C14H30	000629-59-4	64
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	60





Library Search Compound Report

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Data File : BF110222.D
Acq On : 26 Oct 2018 20:58
Operator : JU/SJ
Sample : J5204-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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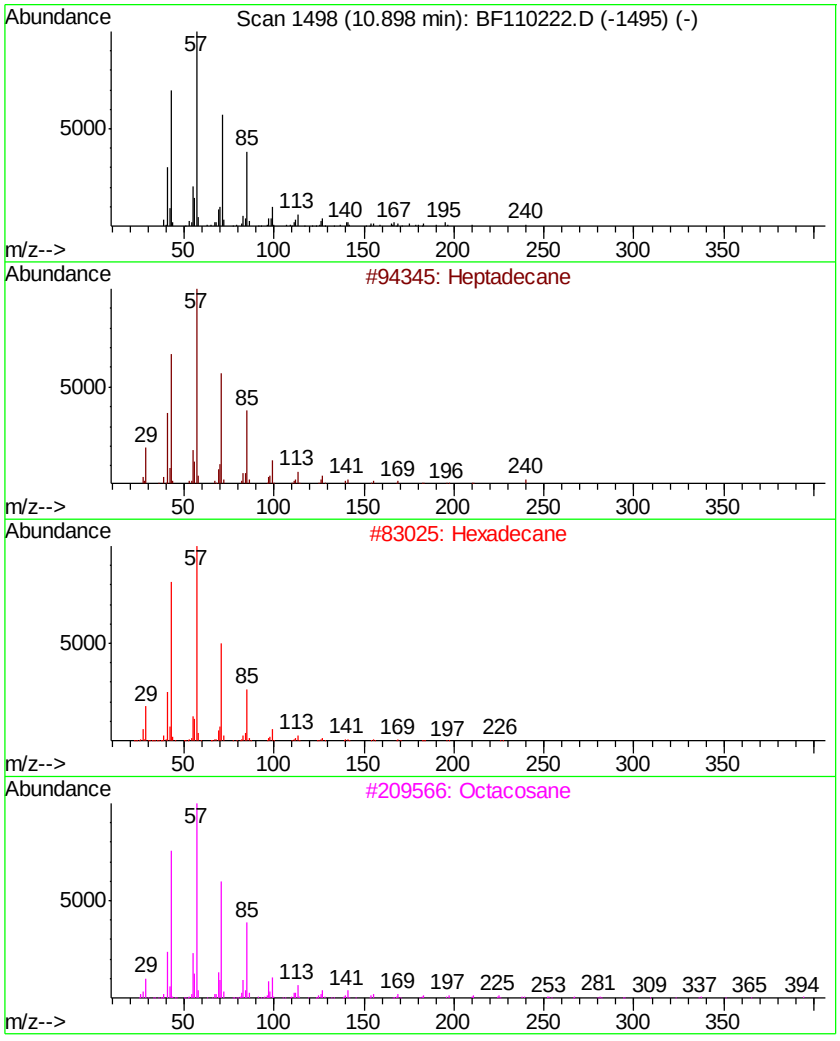
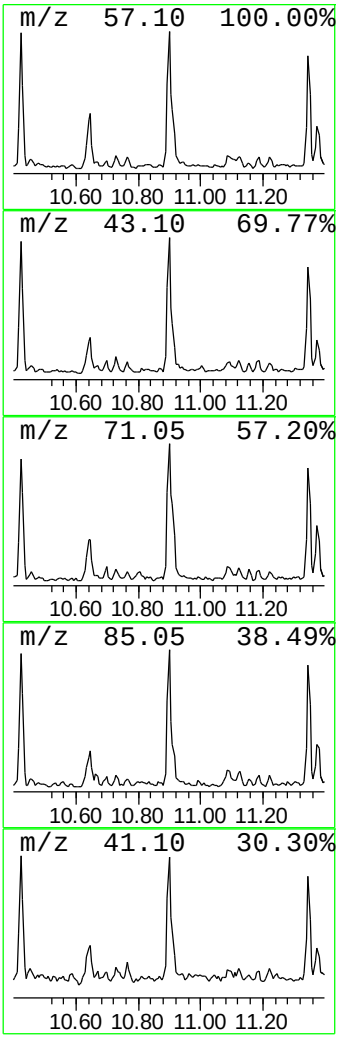
Peak Number 7 Heptadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	8.11 ng	325812	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	96
2	Hexadecane	226	C16H34	000544-76-3	90
3	Octacosane	394	C28H58	000630-02-4	90
4	2-Bromotetradecane	276	C14H29Br	074036-95-6	90
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86





Library Search Compound Report

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Data File : BF110222.D
Acq On : 26 Oct 2018 20:58
Operator : JU/SJ
Sample : J5204-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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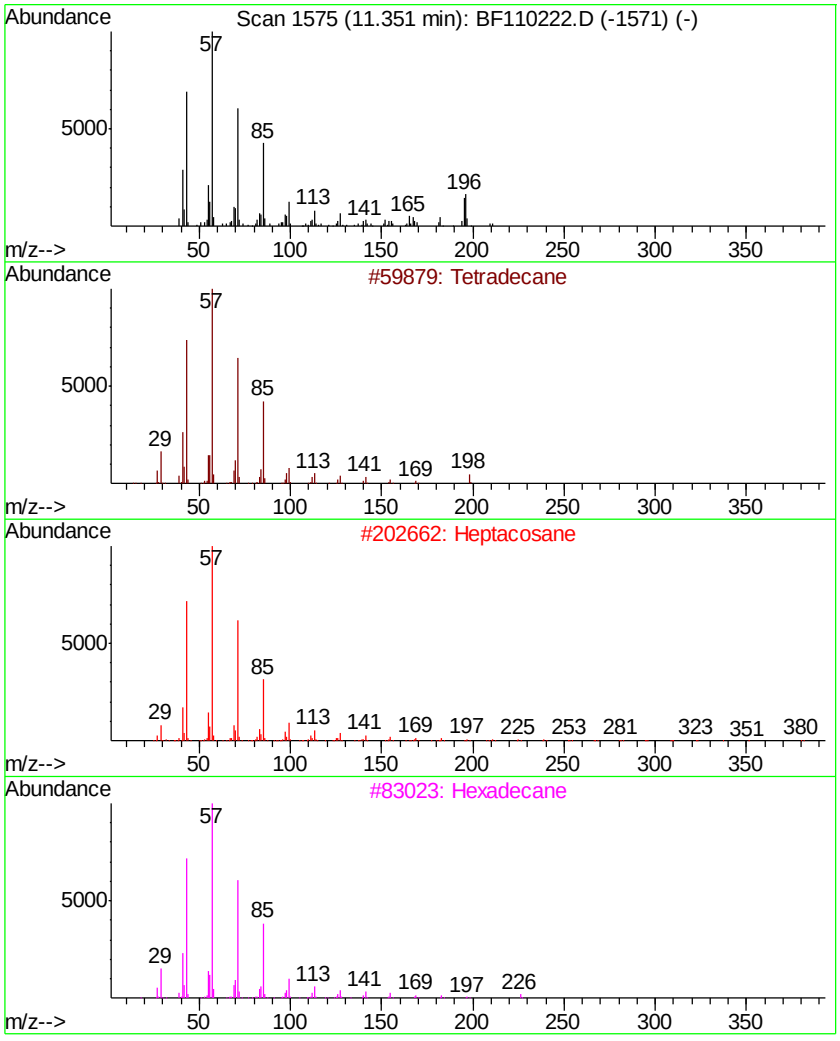
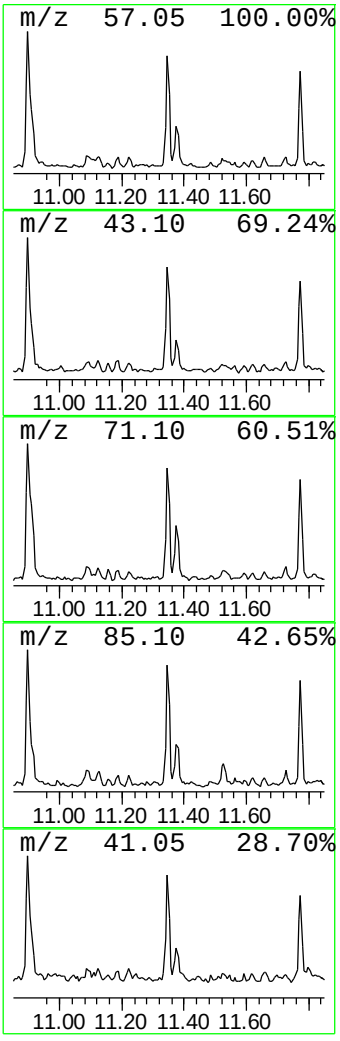
Peak Number 8 Tetradecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	4.60 ng	184852	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Heptacosane	380	C27H56	000593-49-7	74
3	Hexadecane	226	C16H34	000544-76-3	74
4	Pentadecane	212	C15H32	000629-62-9	74
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72





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Misc :
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Instrument : BNA_F
ClientSampleId : SU-02-102518-B

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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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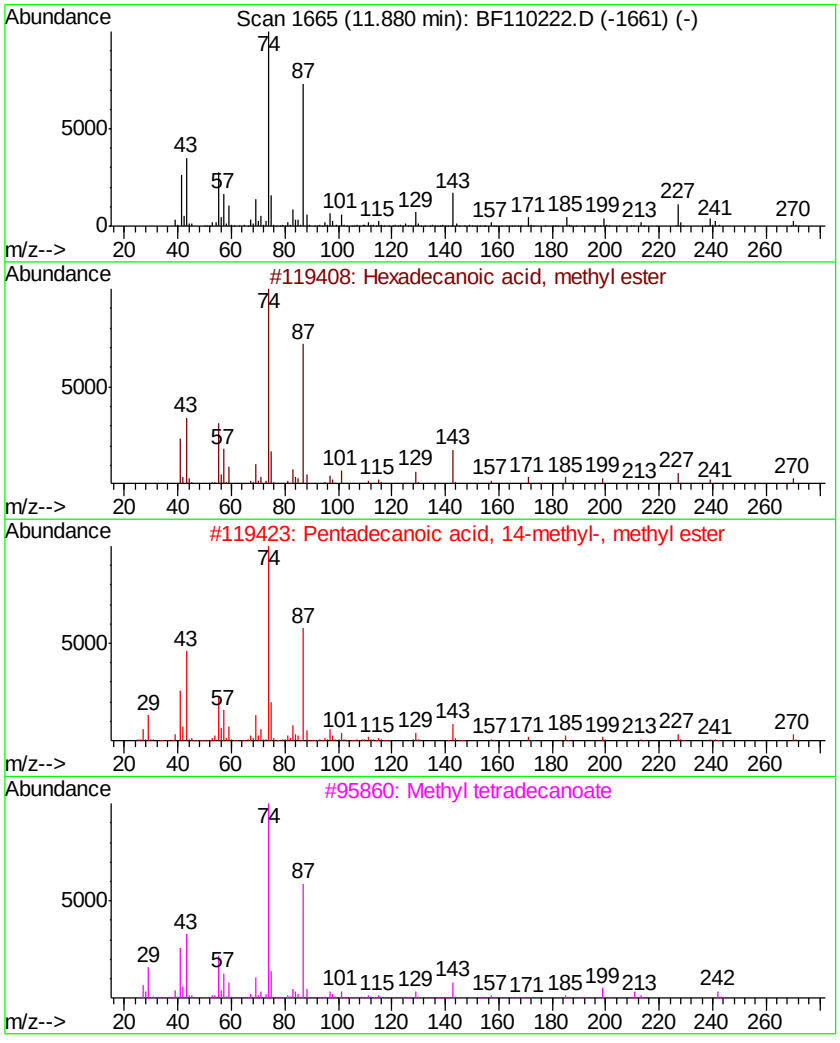
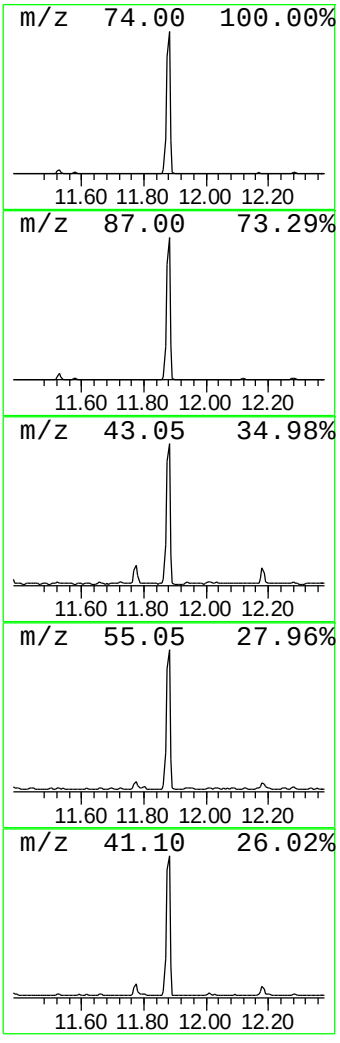
Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	52.72 ng	2117060	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	92
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	87





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Misc :
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Instrument : BNA_F
ClientSampleId : SU-02-102518-B

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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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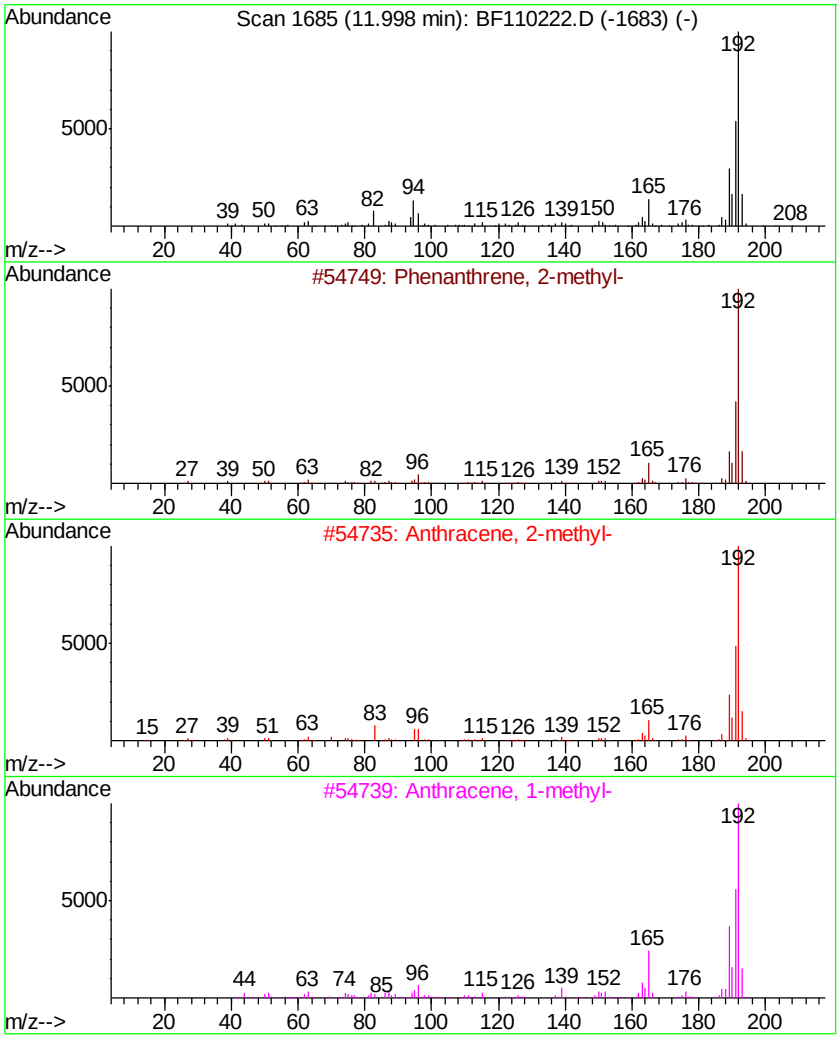
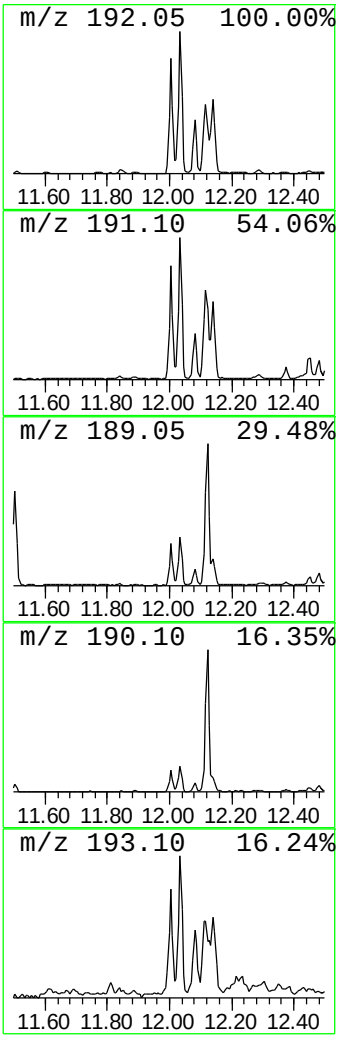
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	5.91 ng	237282	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Acq On : 26 Oct 2018 20:58
Operator : JU/SJ
Sample : J5204-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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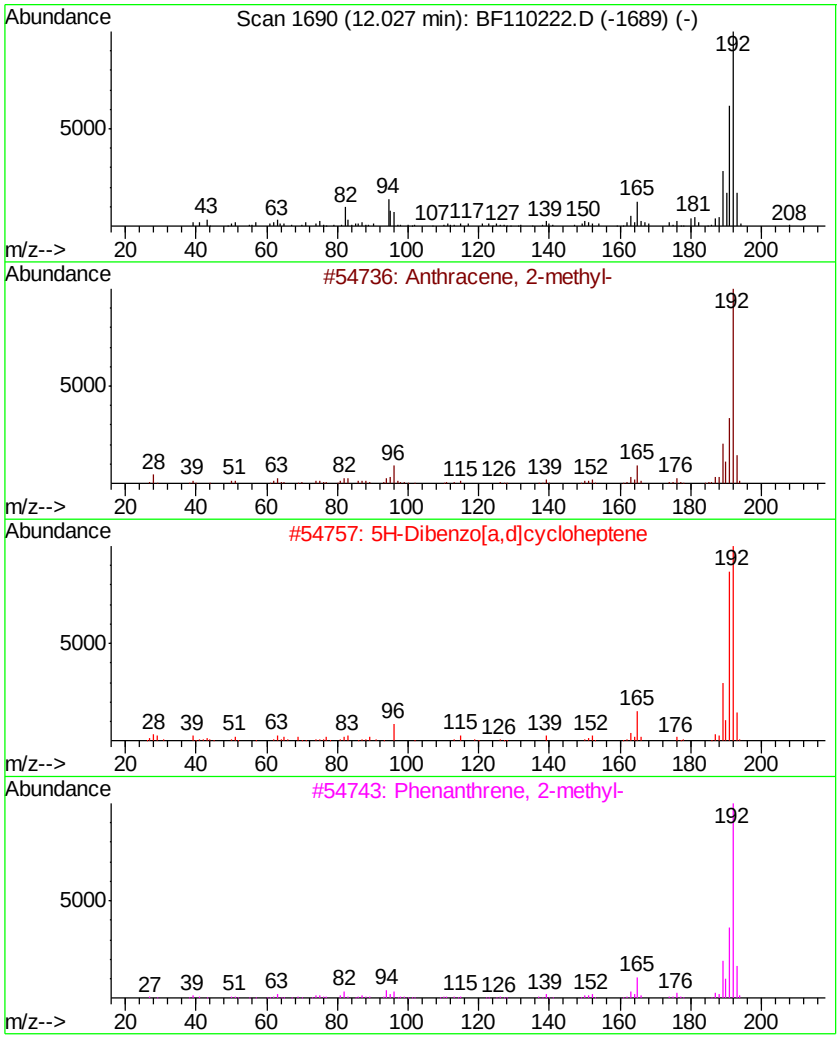
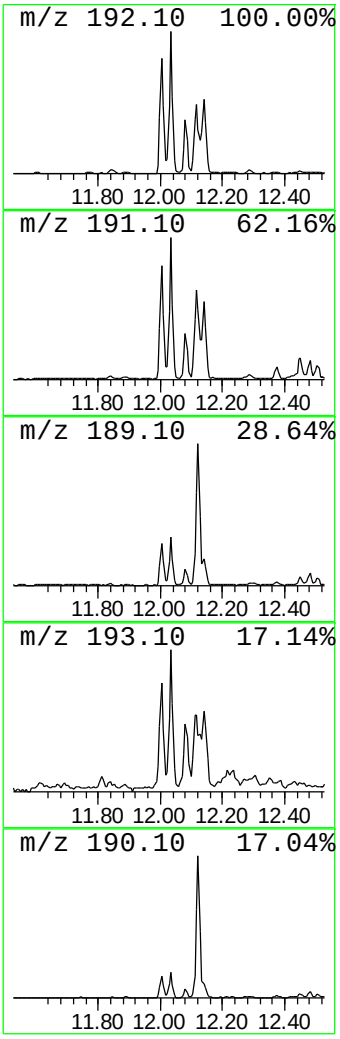
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	6.34 ng	254646	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Operator : JU/SJ
Sample : J5204-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

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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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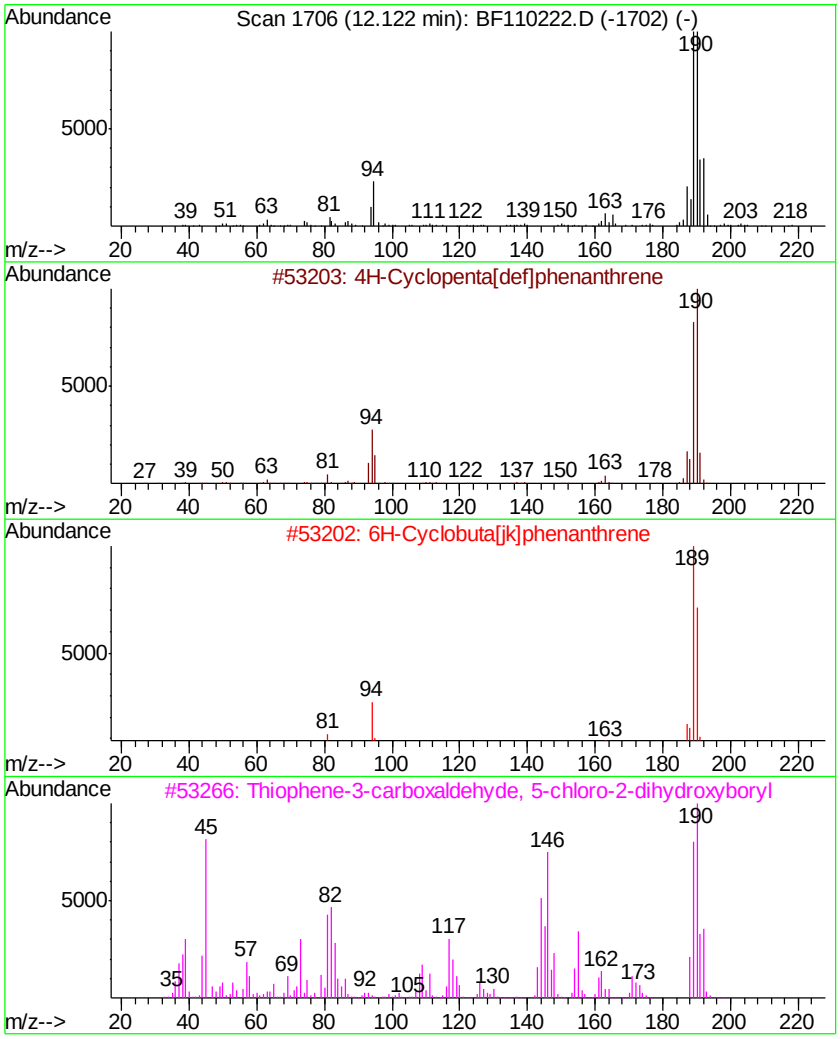
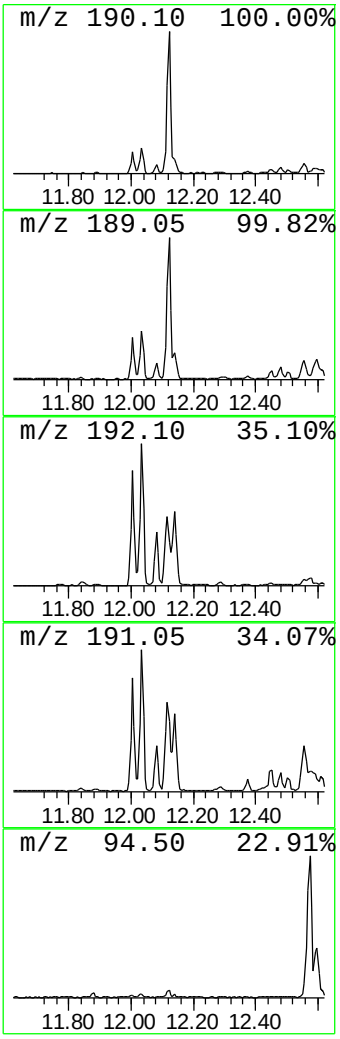
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	9.68 ng	388519	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Operator : JU/SJ
Sample : J5204-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

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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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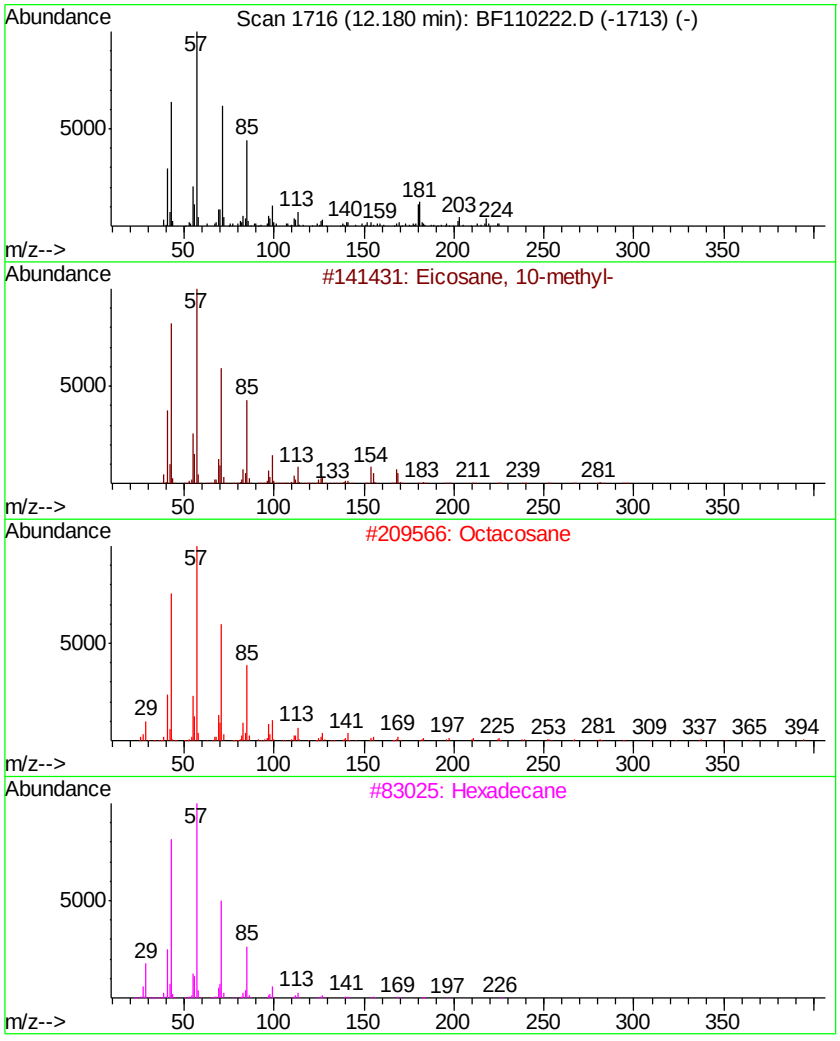
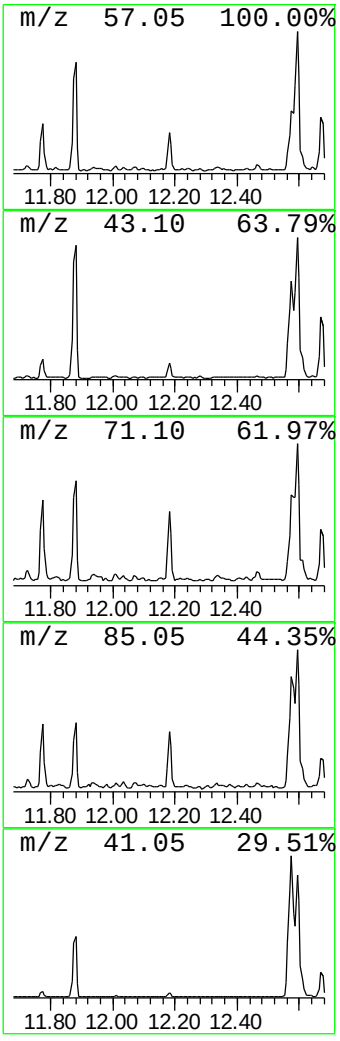
Peak Number 13 Eicosane, 10-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	3.60 ng	144465	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	68
2	Octacosane	394	C28H58	000630-02-4	64
3	Hexadecane	226	C16H34	000544-76-3	64
4	Heptacosane	380	C27H56	000593-49-7	64
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	60





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Operator : JU/SJ
Sample : J5204-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

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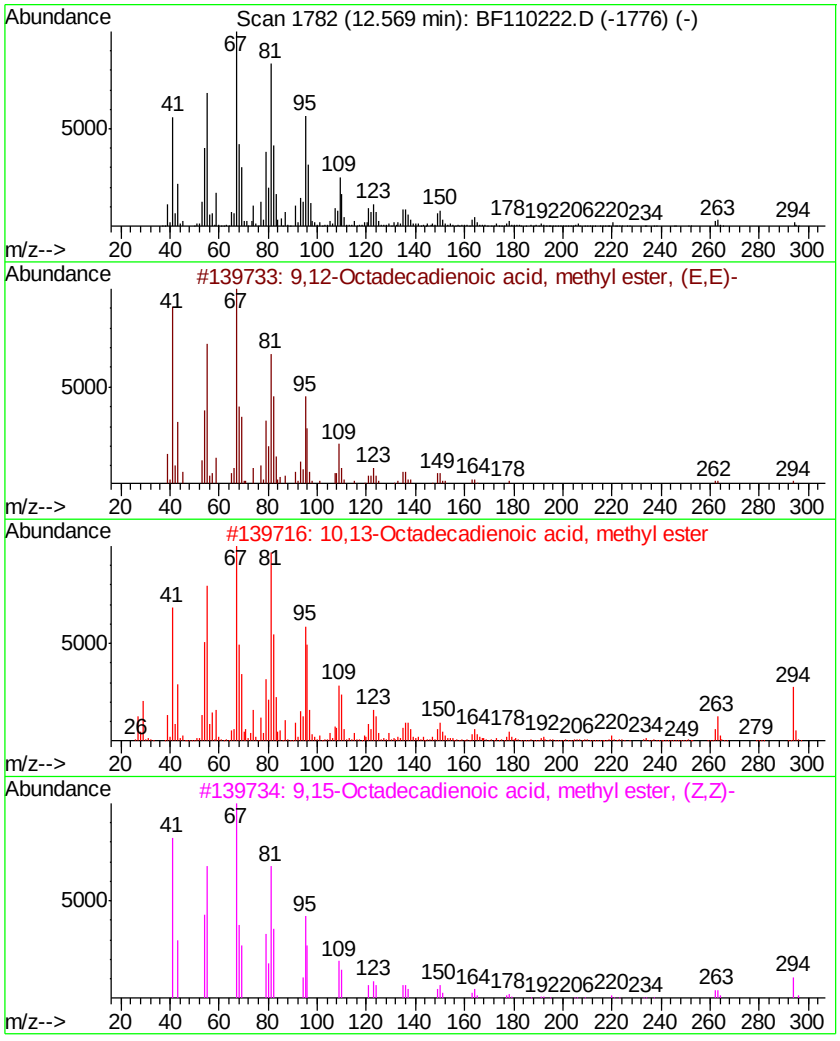
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

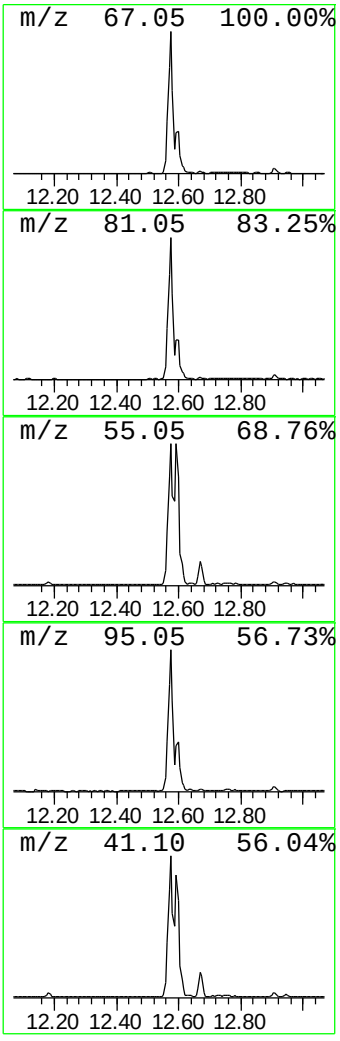
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	186.30 ng	7480420	Phenanthrene-d10	11.50

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





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Sample : J5204-11 5X
Misc :
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ClientSampleId : SU-02-102518-B

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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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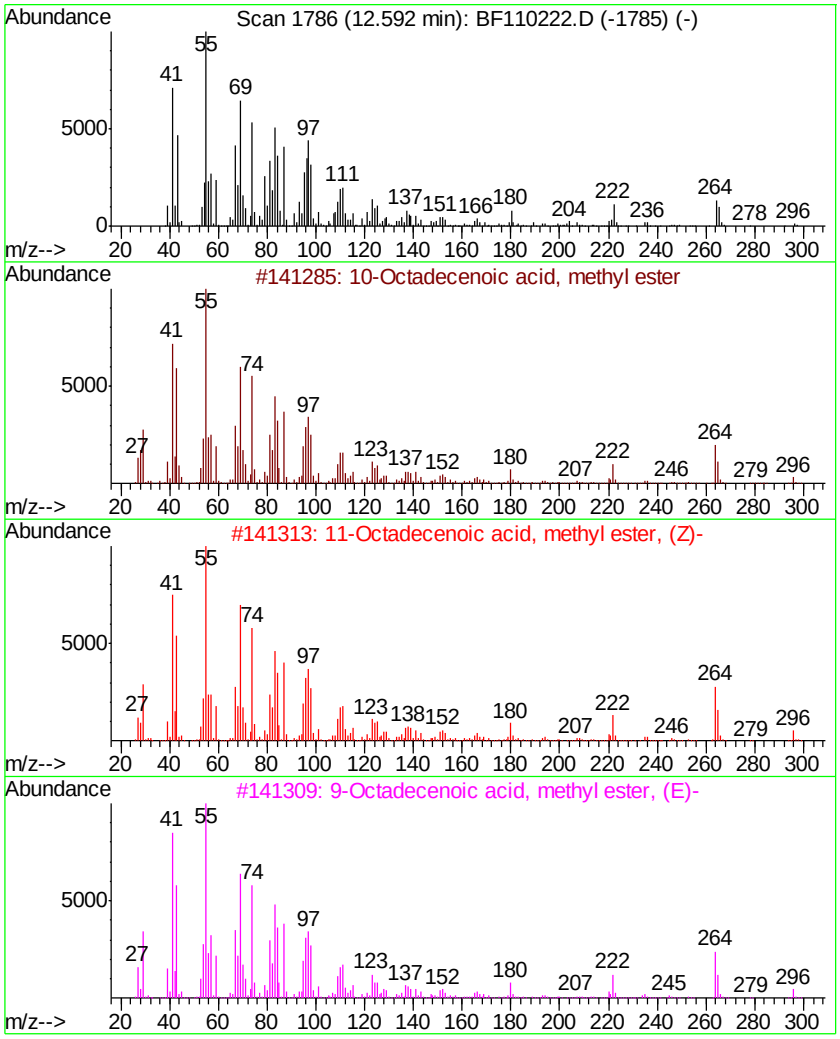
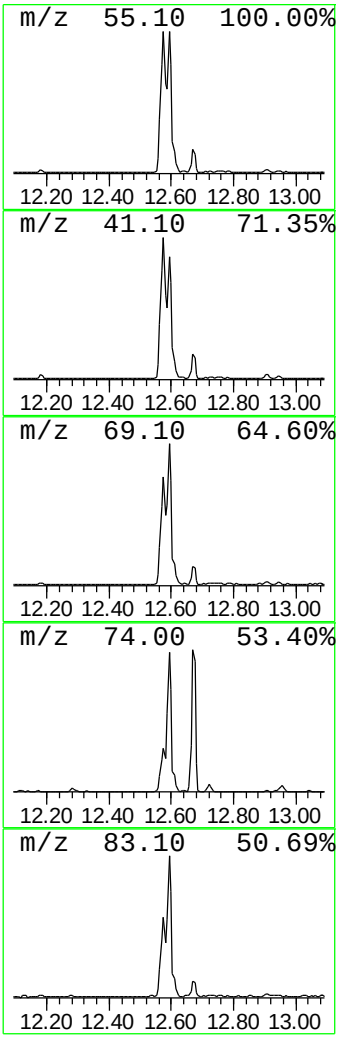
Peak Number 15 10-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	104.61 ng	4200390	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
2	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
3	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
4	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
5	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	99





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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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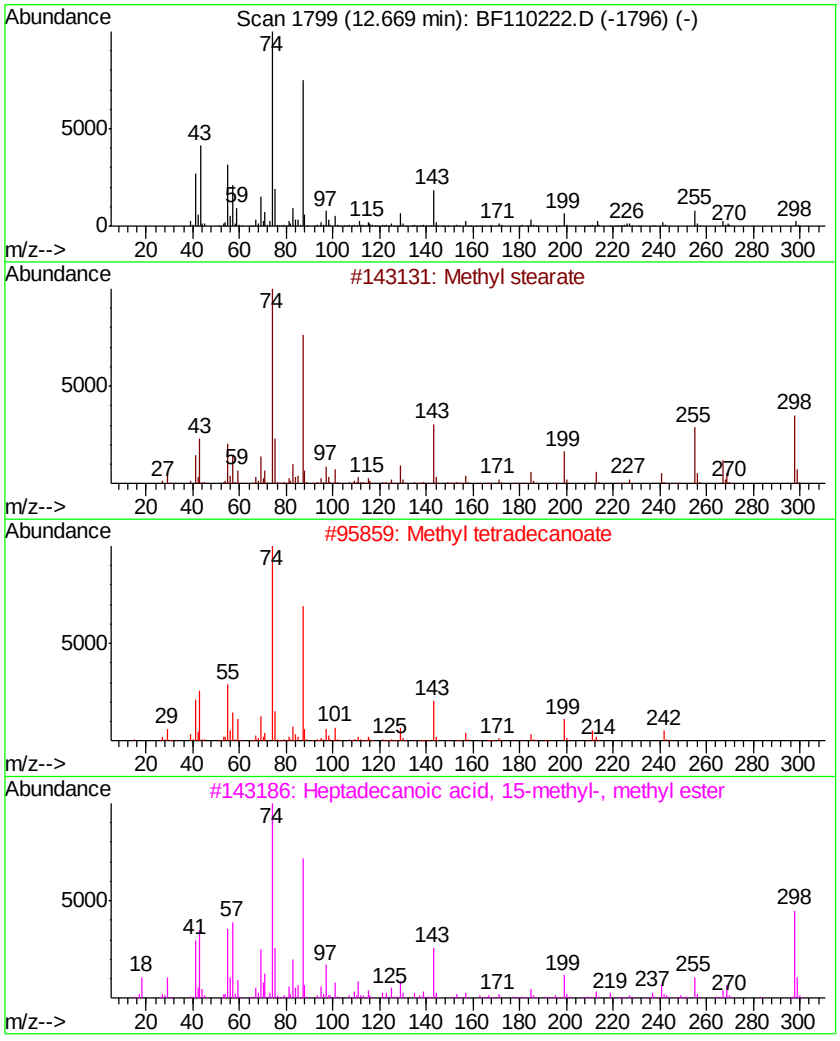
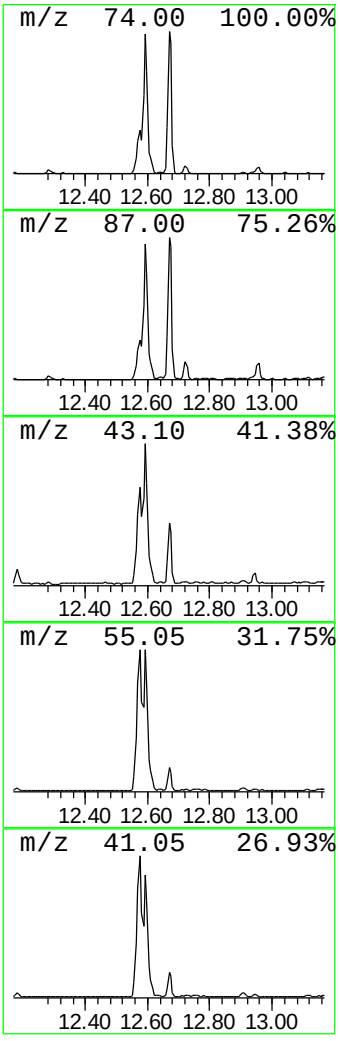
Peak Number 16 Methyl stearate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	23.76 ng	954101	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
3	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	91
4	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	91
5	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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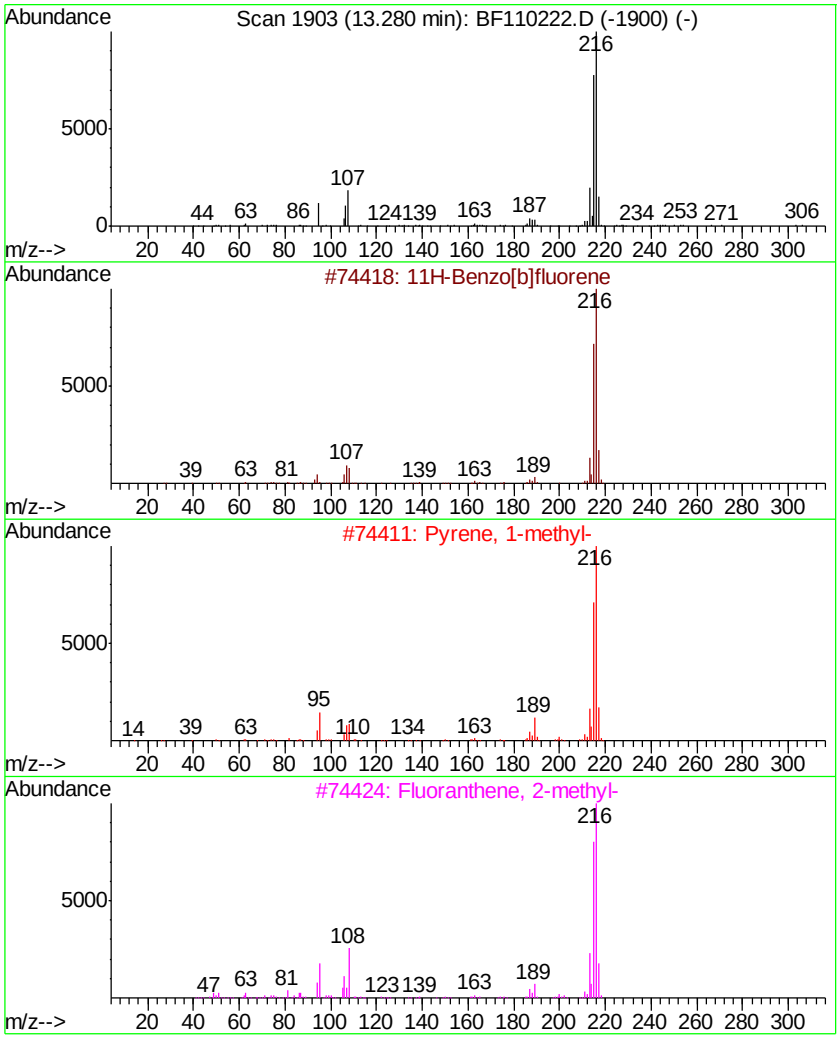
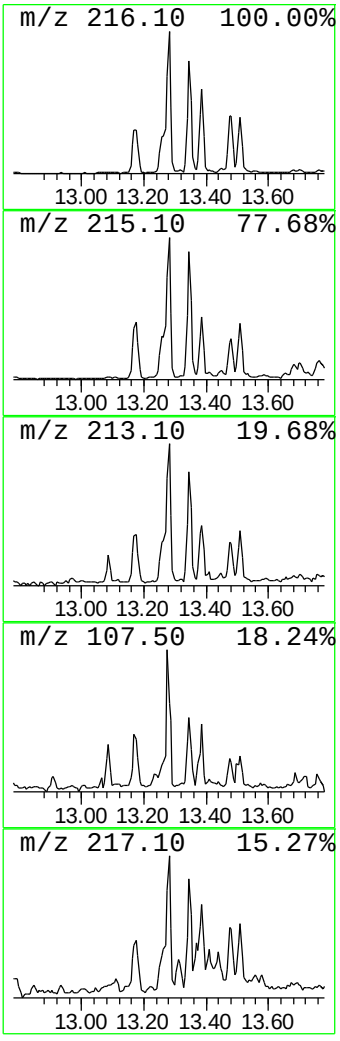
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	3.70 ng	234414	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

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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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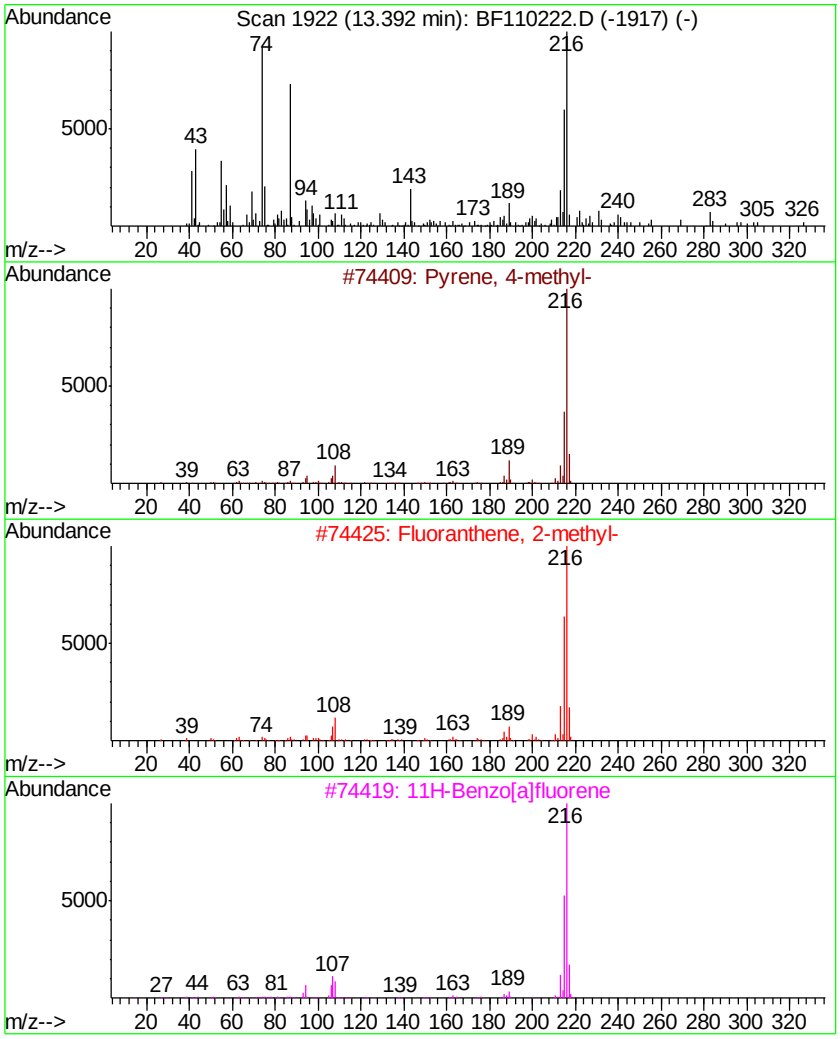
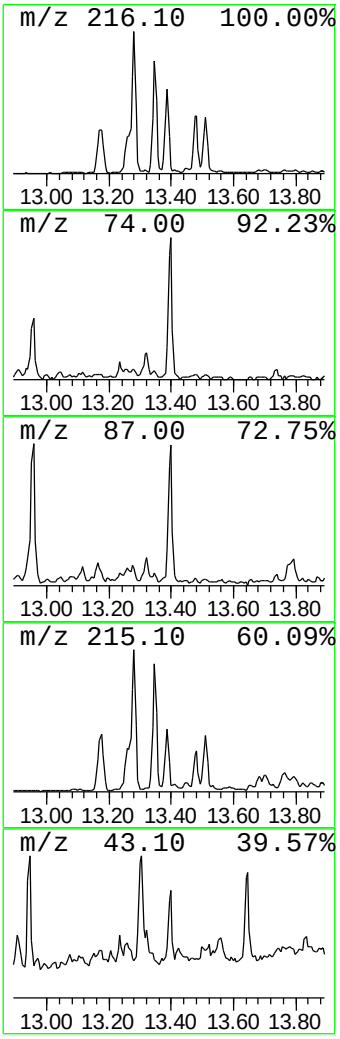
Peak Number 18 Pyrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	4.94 ng	312812	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

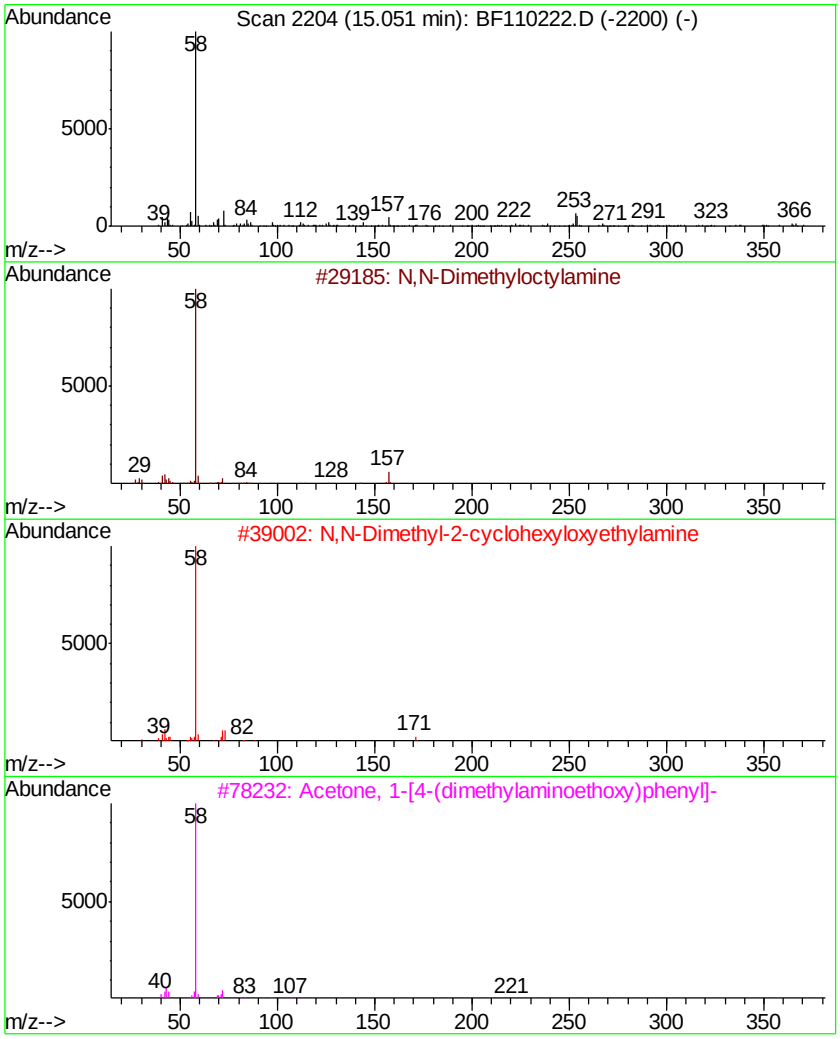
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

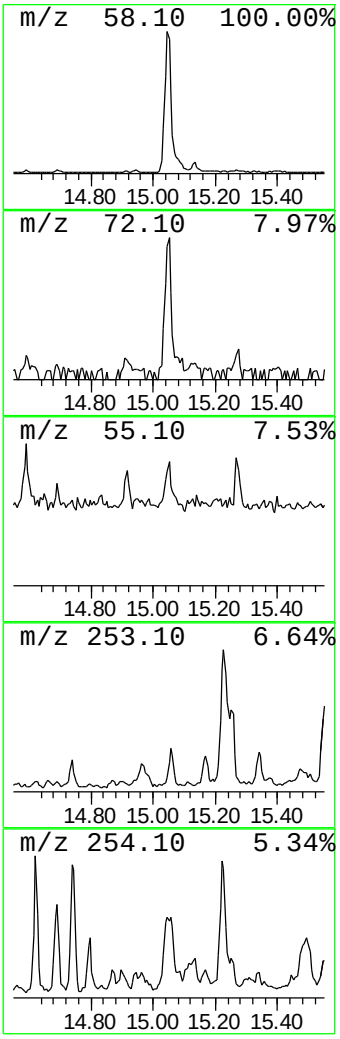
****

Peak Number 19 N,N-Dimethyloctylamine Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	12.50 ng	285141	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N-Dimethyloctylamine	157	C10H23N	007378-99-6	64
2	N,N-Dimethyl-2-cyclohexyloxyethy...	171	C10H21NO	071126-60-8	59
3	Acetone, 1-[4-(dimethylaminoetho...	221	C13H19NO2	086608-11-9	59
4	Benzamide, 5-bromo-2-hydroxy-N-(...	300	C12H17BrN2O2	289660-53-3	59
5	3-(Dimethylamino)propyl isothioc...	144	C6H12N2S	027421-70-1	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110222.D
Acq On : 26 Oct 2018 20:58
Operator : JU/SJ
Sample : J5204-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

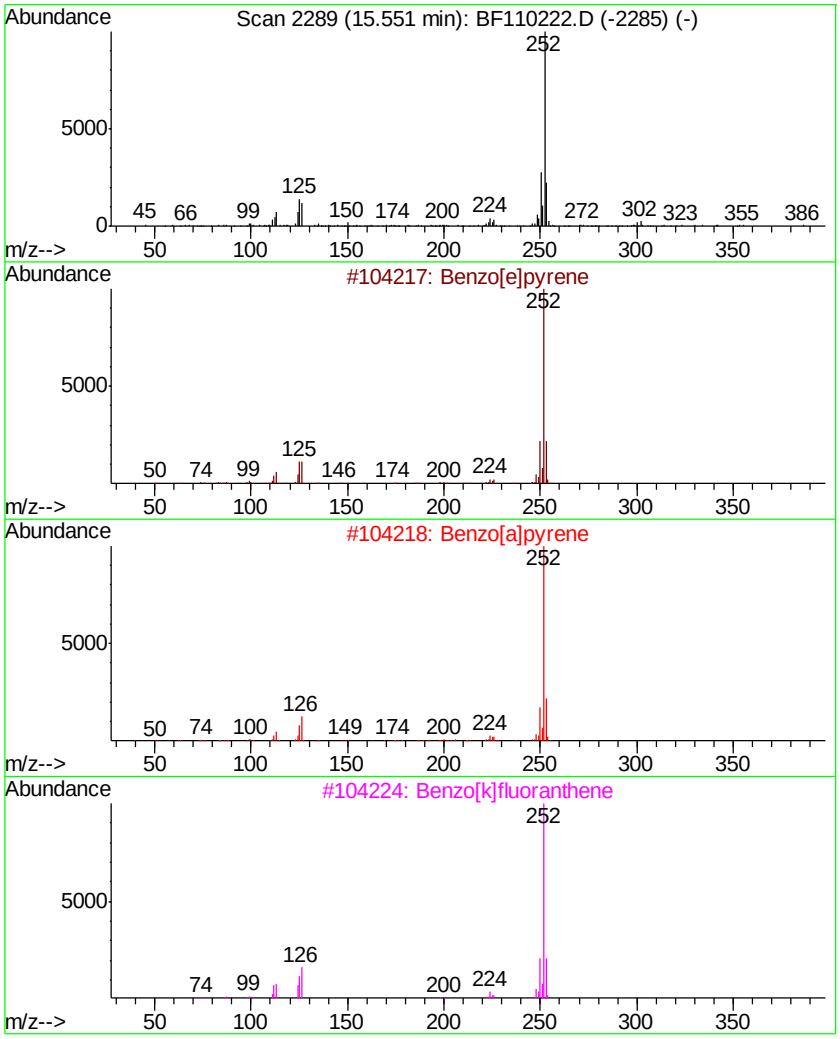
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

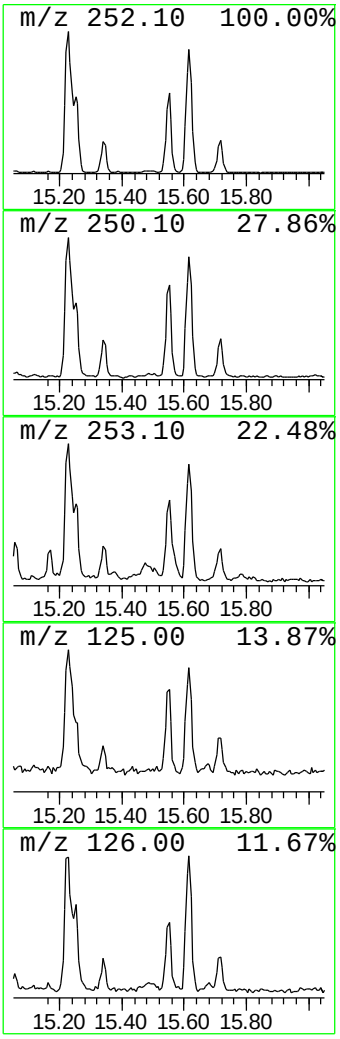
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	9.21 ng	210175	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102618\
Data File : BF110222.D
Acq On : 26 Oct 2018 20:58
Operator : JU/SJ
Sample : J5204-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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
unknown6.73	6.73	18.2	ng	726020	1	6.97	796989	20.0
Naphthalene, 2,3-...	9.66	5.2	ng	214487	3	10.01	832900	20.0
Biphenylene	9.87	3.6	ng	149303	3	10.01	832900	20.0
Sulfurous acid, 2...	9.92	3.8	ng	158791	3	10.01	832900	20.0
Hexadecane	10.42	6.2	ng	259705	3	10.01	832900	20.0
Heptadecane	10.90	8.1	ng	325812	4	11.50	803063	20.0
Tetradecane	11.35	4.6	ng	184852	4	11.50	803063	20.0
Hexadecanoic acid...	11.88	52.7	ng	2117060	4	11.50	803063	20.0
Phenanthrene, 2-m...	12.00	5.9	ng	237282	4	11.50	803063	20.0
Anthracene, 2-met...	12.03	6.3	ng	254646	4	11.50	803063	20.0
4H-Cyclopenta[def...	12.12	9.7	ng	388519	4	11.50	803063	20.0
Eicosane, 10-methyl-	12.18	3.6	ng	144465	4	11.50	803063	20.0
9,12-Octadecadien...	12.57	186.3	ng	7480420	4	11.50	803063	20.0
10-Octadecenoic a...	12.59	104.6	ng	4200390	4	11.50	803063	20.0
Methyl stearate	12.67	23.8	ng	954101	4	11.50	803063	20.0
11H-Benzo[b]fluorene	13.28	3.7	ng	234414	5	14.15	1266210	20.0
Pyrene, 4-methyl-	13.39	4.9	ng	312812	5	14.15	1266210	20.0
N,N-Dimethyloctyl...	15.05	12.5	ng	285141	6	15.68	456350	20.0
Benzo[e]pyrene	15.55	9.2	ng	210175	6	15.68	456350	20.0