LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF120117\
Data File : BF101066.D
Acq On : 1 Dec 2017 16:37
Operator : SJ/JU
Sample : I6618-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-106-6(0-5)

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-BF113017.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	5.069	504	507	517	rBV	50935	69118	5.42%	0.508%
2	5.469	570	575	578	rBV	1054488	1061683	83.21%	7.807%
3	6.481	742	747	755	rBV	1099662	1124317	88.12%	8.268%
4	6.616	766	770	773	rBV	1263019	1142324	89.53%	8.400%
5	6.845	806	809	813	rBV	399258	312493	24.49%	2.298%
6	7.004	832	836	839	rBV	1046246	869517	68.15%	6.394%
7	7.410	901	905	908	rBV	720590	687492	53.88%	5.055%
8	8.128	1024	1027	1030	rBV	513568	407058	31.90%	2.993%
9	8.539	1094	1097	1100	rBV	21584	19244	1.51%	0.142%
10	9.139	1197	1199	1205	rVB	32316	27954	2.19%	0.206%
11	9.204	1206	1210	1213	rBV	1590673	1275865	100.00%	9.382%
12	9.275	1219	1222	1225	rBV	38237	37061	2.90%	0.273%
13	9.533	1264	1266	1270	rBV5	11543	16776	1.31%	0.123%
14	9.592	1273	1276	1279	rBV2	117738	117011	9.17%	0.860%
15	9.745	1298	1302	1305	rBV	56100	50720	3.98%	0.373%
16	9.792	1307	1310	1311	rBV	33124	29041	2.28%	0.214%
17	9.886	1322	1326	1329	rVB	529654	449347	35.22%	3.304%
18	9.916	1329	1331	1334	rVB	29052	23790	1.86%	0.175%
19	10.039	1347	1352	1354	rBV4	12566	17555	1.38%	0.129%
20	10.086	1358	1360	1365	rVB	22473	23997	1.88%	0.176%
21	10.127	1365	1367	1371	rBV3	22667	21810	1.71%	0.160%
22	10.198	1376	1379	1382	rBV5	19211	26952	2.11%	0.198%
23	10.286	1390	1394	1395	rBV4	27024	23988	1.88%	0.176%
24	10.304	1395	1397	1399	rVB	50560	35663	2.80%	0.262%
25	10.427	1415	1418	1423	rBV2	22647	27320	2.14%	0.201%
26	10.521	1428	1434	1441	rVV3	38947	59198	4.64%	0.435%
27	10.586	1441	1445	1448	rBV3	13409	17377	1.36%	0.128%
28	10.674	1456	1460	1463	rBV	631744	533482	41.81%	3.923%
29	10.792	1474	1480	1486	rVB	86471	131986	10.34%	0.971%
30	10.974	1508	1511	1514	rBV4	17648	18658	1.46%	0.137%
31	11.004	1514	1516	1519	rVB4	16326	16899	1.32%	0.124%
32	11.133	1530	1538	1542	rBV9	12216	33909	2.66%	0.249%
33	11.227	1550	1554	1556	rBV2	41439	41615	3.26%	0.306%
34	11.257	1556	1559	1565	rVB2	43653	59763	4.68%	0.439%

LSC Area Percent Report

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Acq On : 1 Dec 2017 16:37
Operator : SJ/JU
Sample : I6618-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-106-6(0-5)

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 >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.374	1575	1579	1581	rBV	472760	430421	33.74%	3.165%
36	11.398	1581	1583	1586	rVV	200179	166907	13.08%	1.227%
37	11.445	1589	1591	1594	rVB	66442	50476	3.96%	0.371%
38	11.480	1594	1597	1602	rBV6	13801	21031	1.65%	0.155%
39	11.604	1615	1618	1622	rVB	32472	27696	2.17%	0.204%
40	11.651	1624	1626	1630	rVB2	24814	23347	1.83%	0.172%
41	11.874	1661	1664	1665	rBV	33011	27980	2.19%	0.206%
42	11.898	1665	1668	1672	rVB2	49013	64810	5.08%	0.477%
43	11.951	1674	1677	1680	rVV	21087	19661	1.54%	0.145%
44	11.986	1680	1683	1685	rVV	62801	68465	5.37%	0.503%
45	12.010	1685	1687	1689	rVB	27459	20781	1.63%	0.153%
46	12.057	1693	1695	1700	rBV2	25123	31072	2.44%	0.228%
47	12.168	1711	1714	1717	rBV	28579	24561	1.93%	0.181%
48	12.198	1717	1719	1721	rBV2	19087	16023	1.26%	0.118%
49	12.427	1754	1758	1760	rBV	27004	27197	2.13%	0.200%
50	12.451	1760	1762	1764	rBV2	18772	19379	1.52%	0.143%
51	12.515	1770	1773	1777	rBV3	22418	26587	2.08%	0.196%
52	12.586	1782	1785	1788	rBV	383623	333113	26.11%	2.450%
53	12.627	1790	1792	1794	rBV3	16676	17552	1.38%	0.129%
54	12.680	1798	1801	1806	rBV2	88724	87603	6.87%	0.644%
55	12.815	1818	1824	1831	rBV	333675	363475	28.49%	2.673%
56	12.868	1831	1833	1836	rVB2	21513	24706	1.94%	0.182%
57	12.957	1841	1848	1851	rBV	1069632	979669	76.78%	7.204%
58	13.033	1858	1861	1865	rBV2	21164	33140	2.60%	0.244%
59	13.121	1873	1876	1877	rBV3	22925	24610	1.93%	0.181%
60	13.145	1878	1880	1883	rVB2	51356	41213	3.23%	0.303%
61	13.174	1883	1885	1889	rBV5	16133	20298	1.59%	0.149%
62	13.210	1889	1891	1894	rVV	35334	28945	2.27%	0.213%
63	13.251	1894	1898	1901	rVV2	35368	40734	3.19%	0.300%
64	13.339	1911	1913	1916	rBV	21742	21166	1.66%	0.156%
65	13.374	1916	1919	1921	rBV	25247	26177	2.05%	0.192%
66	13.792	1988	1990	1992	rVB	26582	17845	1.40%	0.131%
67	13.845	1996	1999	2005	rVB3	113773	150608	11.80%	1.107%
68	14.015	2024	2028	2031	rBV2	421073	500531	39.23%	3.681%
69	14.045	2031	2033	2038	rVB	154105	135447	10.62%	0.996%
70	14.121	2044	2046	2049	rVB	28461	21821	1.71%	0.160%
71	15.062	2202	2206	2212	rBV	135316	232956	18.26%	1.713%

LSC Area Percent Report

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Sample : I6618-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-106-6(0-5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.368	2255	2258	2264	rVB	83335	103319	8.10%	0.760%
73	15.427	2265	2268	2275	rVB	129181	168276	13.19%	1.237%
74	15.492	2275	2279	2283	rBV	269721	348560	27.32%	2.563%

Sum of corrected areas: 13599141

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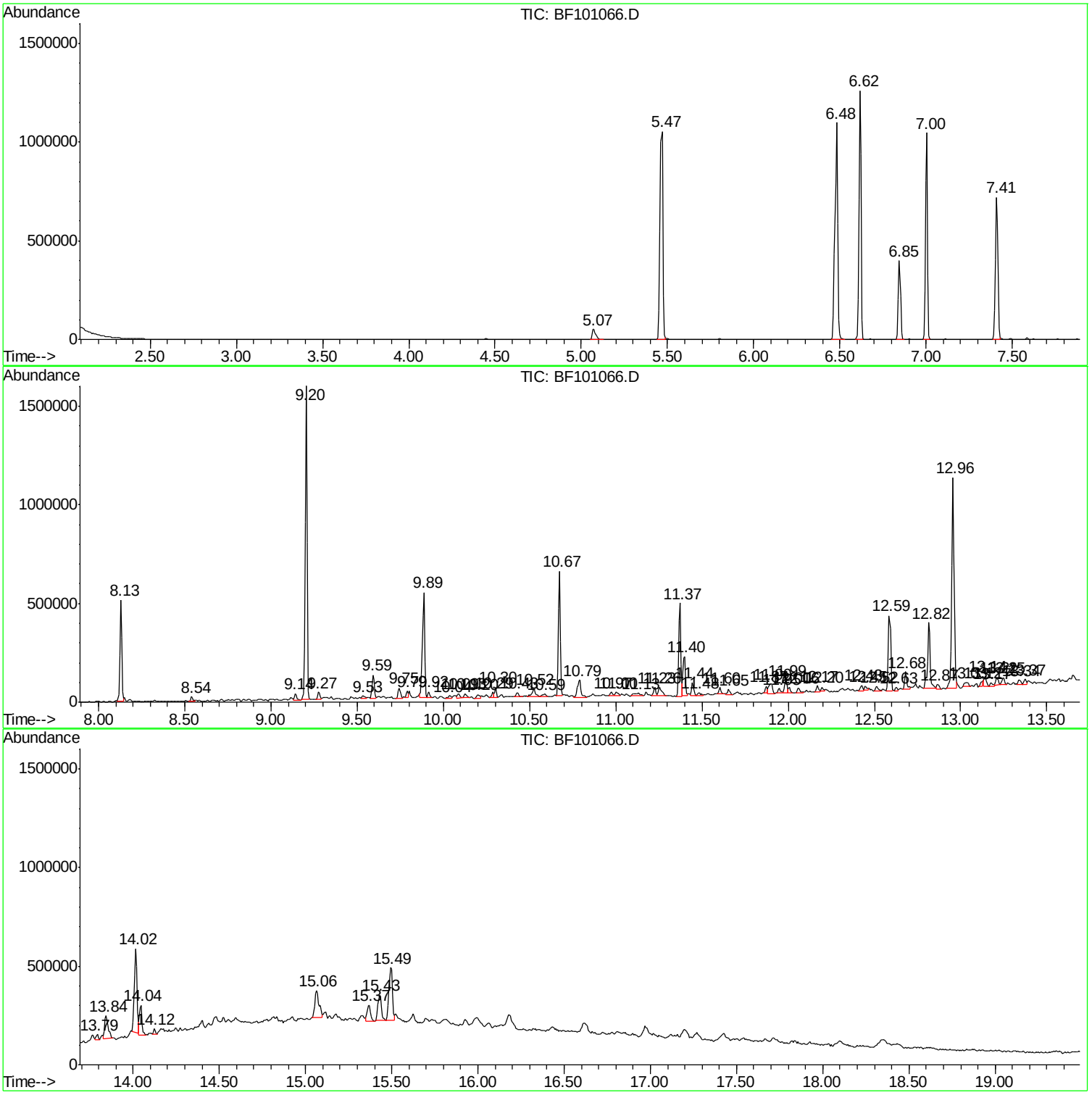
Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF120117\
Data File : BF101066.D
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Operator : SJ/JU
Sample : I6618-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-106-6(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

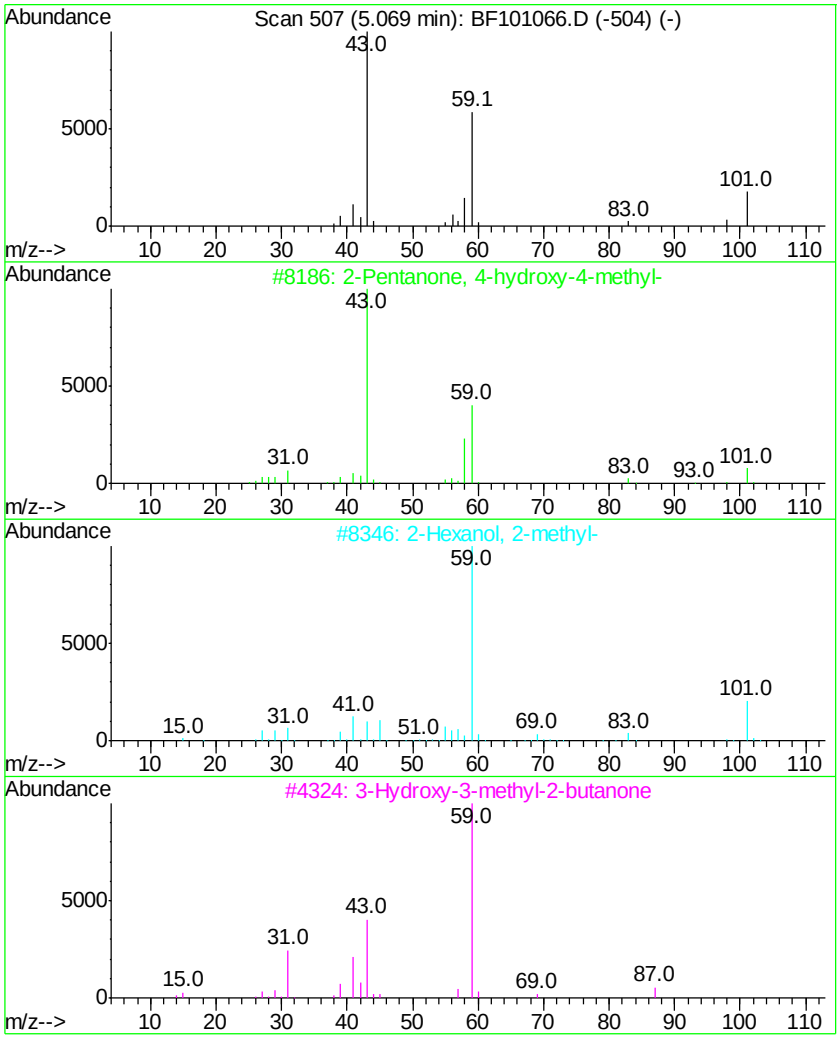
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

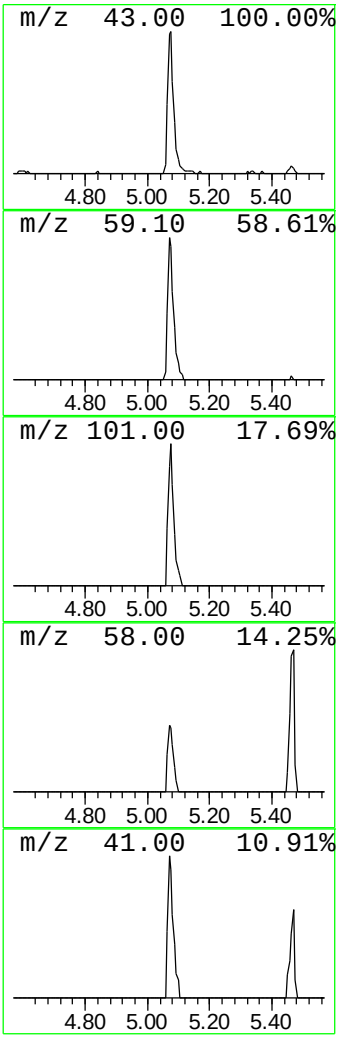
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	4.42 ng	69118	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	25
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	12
5	3-Octanol	130	C8H18O	000589-98-0	9





Library Search Compound Report

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-106-6(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

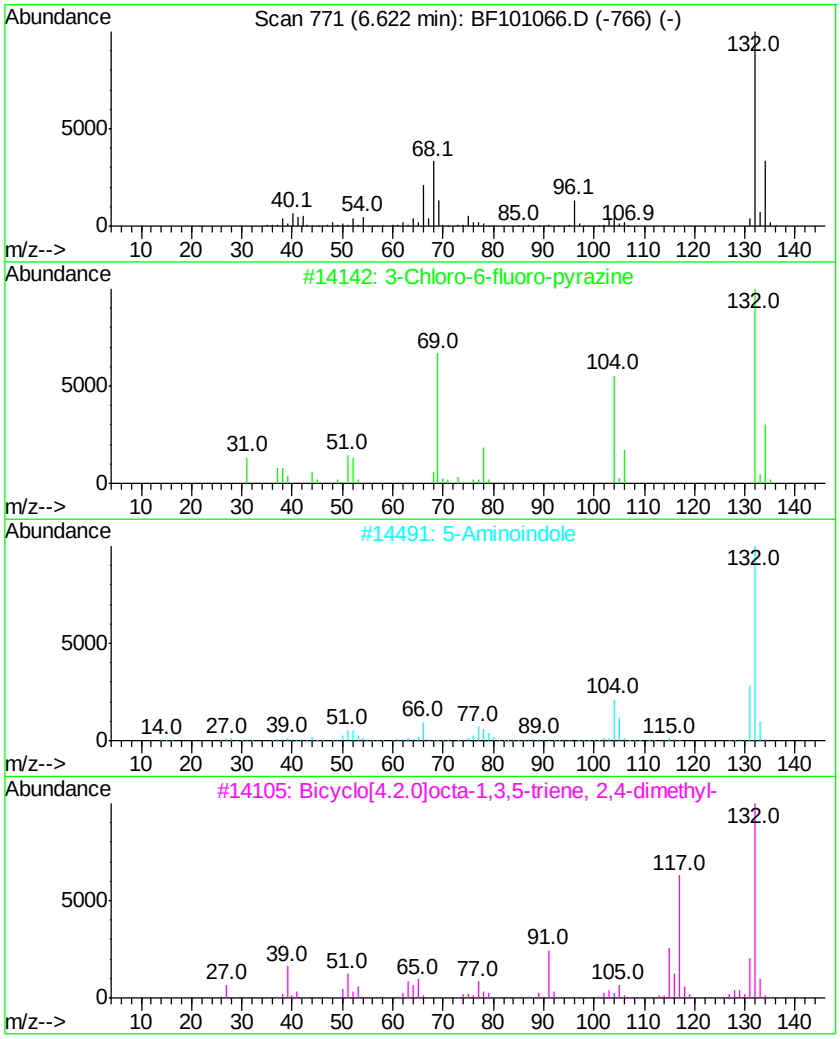
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

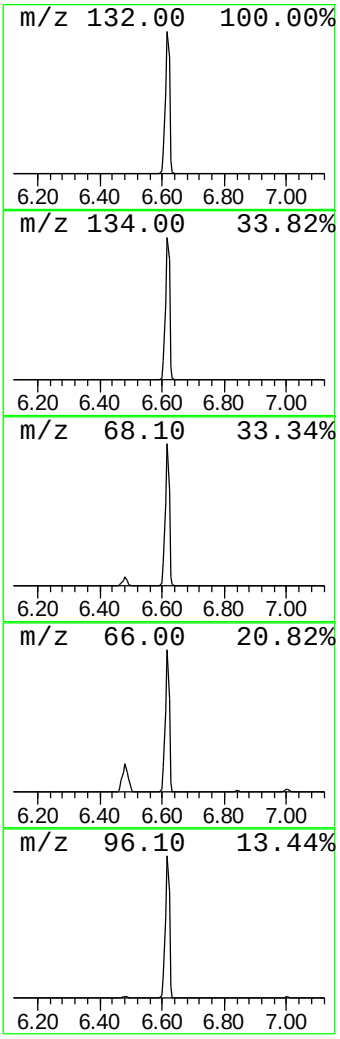
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	73.11 ng	1142320	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-106-6(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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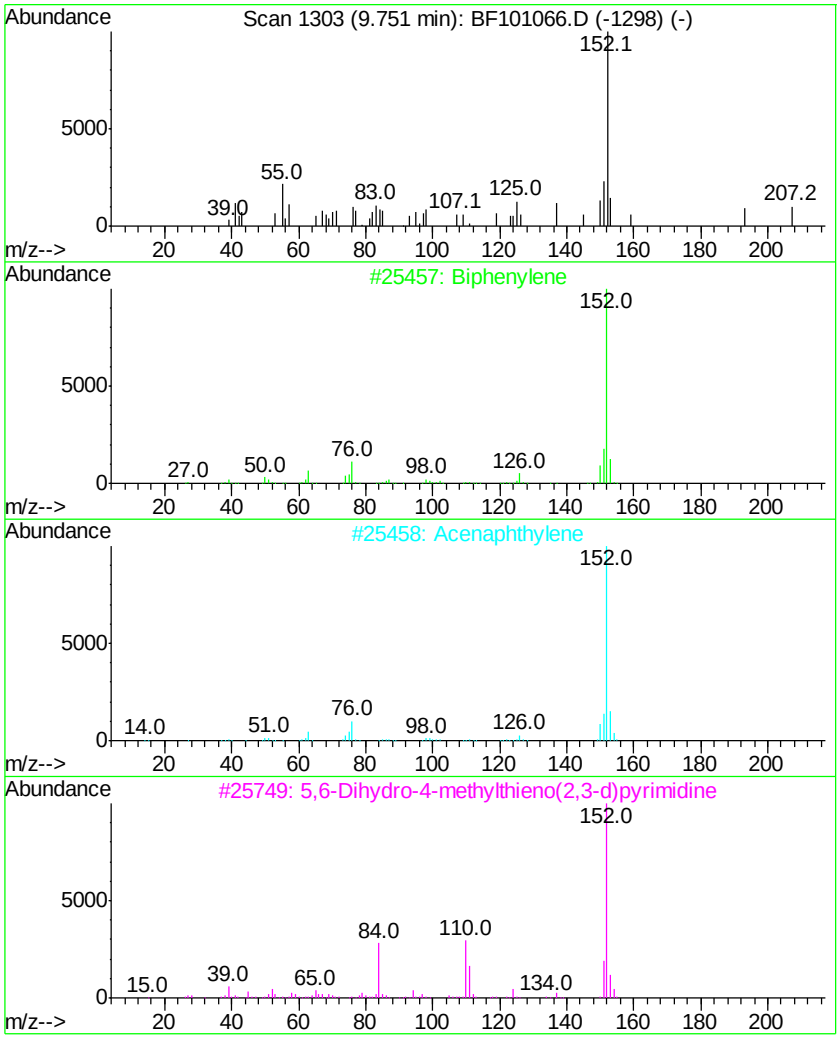
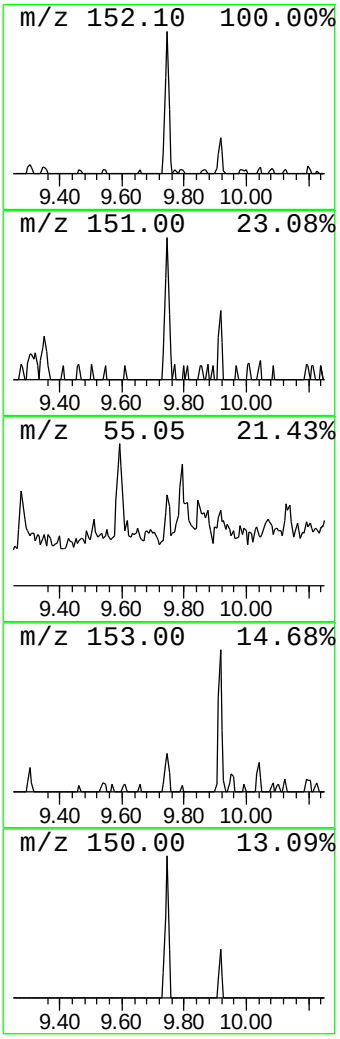
Peak Number 4 Biphenylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	2.26 ng	50720	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	87
2	Acenaphthylene	152	C12H8	000208-96-8	64
3	5,6-Dihydro-4-methylthieno(2,3-d...	152	C7H8N2S	092204-06-3	53
4	1,4-Benzenediol, 2,3,5-trimethyl-	152	C9H12O2	000700-13-0	50
5	Propanoic acid, 3-mercapto-2-(me...	152	C4H8O2S2	007634-96-0	47





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Instrument : BNA_F
ClientSampleId : ENV-106-6(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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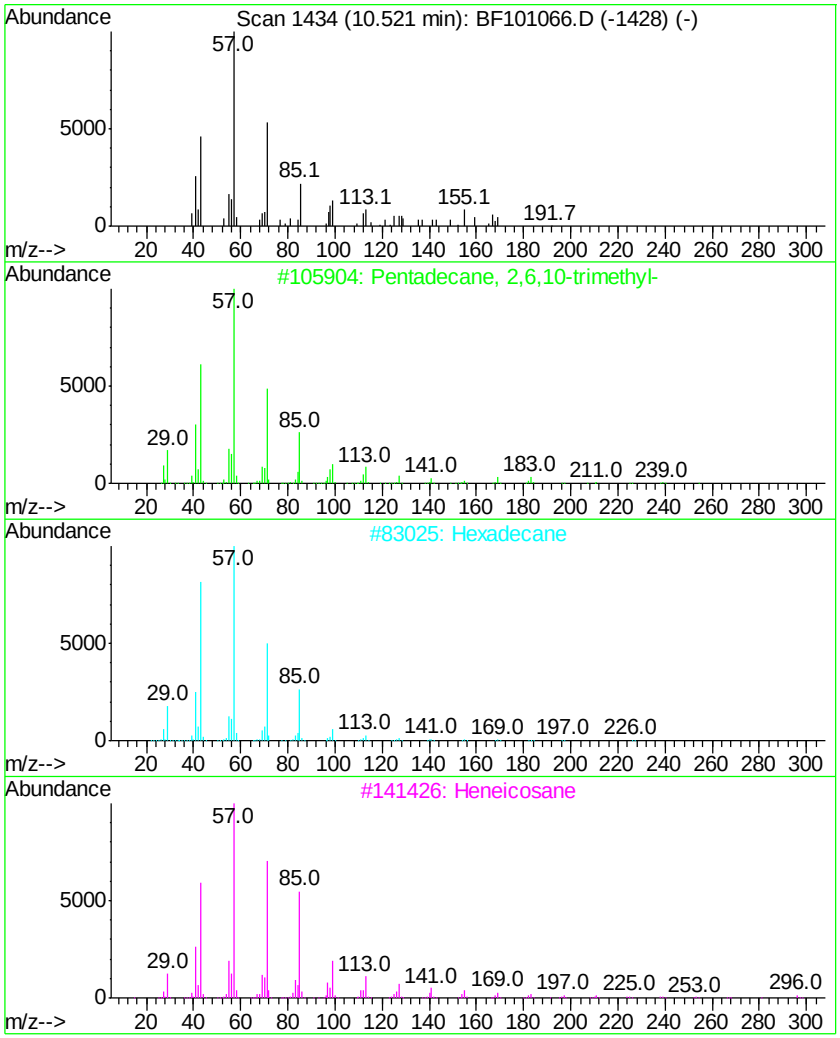
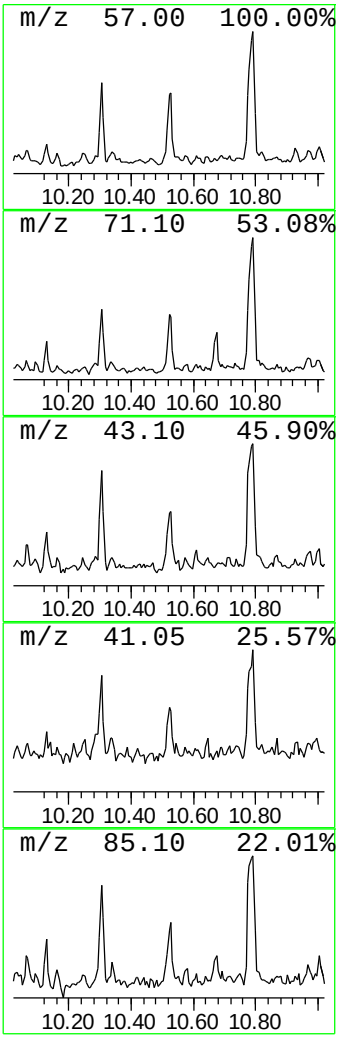
Peak Number 5 Pentadecane, 2,6,10-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	2.63 ng	59198	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	64
2	Hexadecane	226	C16H34	000544-76-3	53
3	Heneicosane	296	C21H44	000629-94-7	53
4	2-methyloctacosane	408	C29H60	1000376-72-8	50
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	50





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Instrument : BNA_F
ClientSampleId : ENV-106-6(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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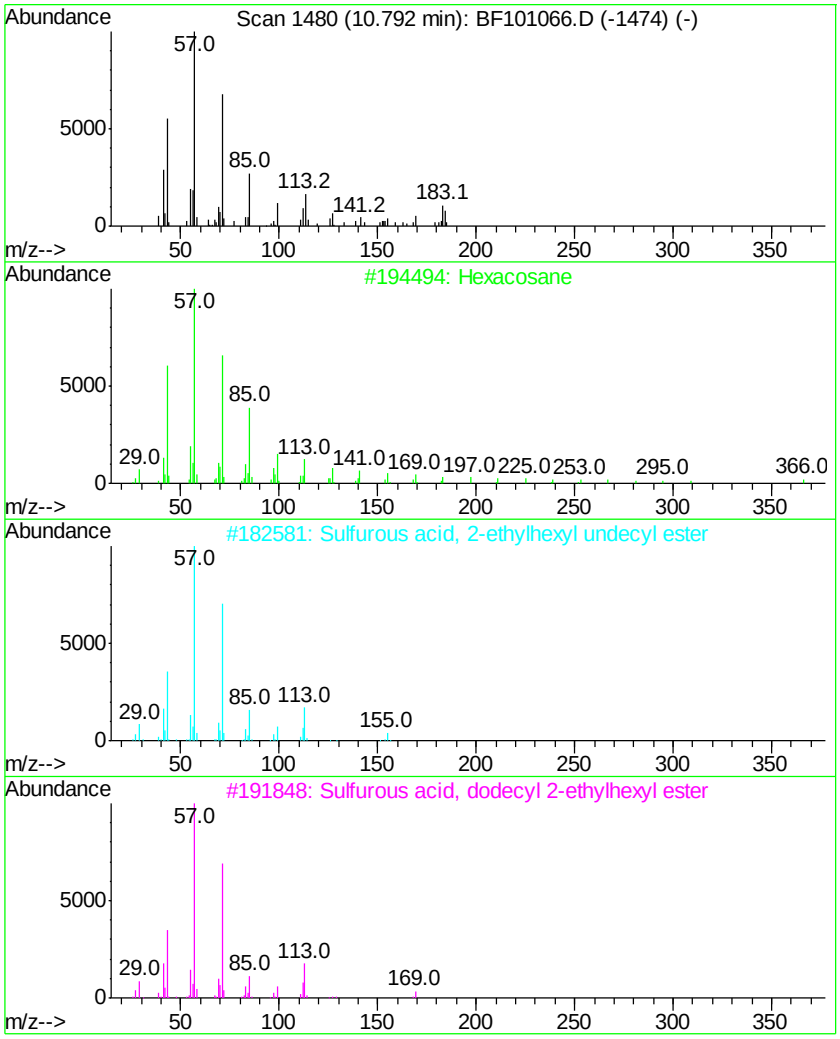
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

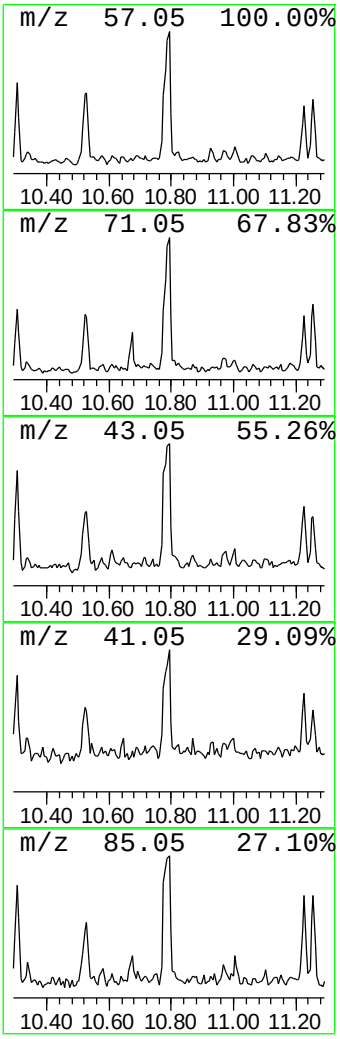
****

Peak Number 6 Hexacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	6.13 ng	131986	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	80
2	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	64
3	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	59





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-106-6(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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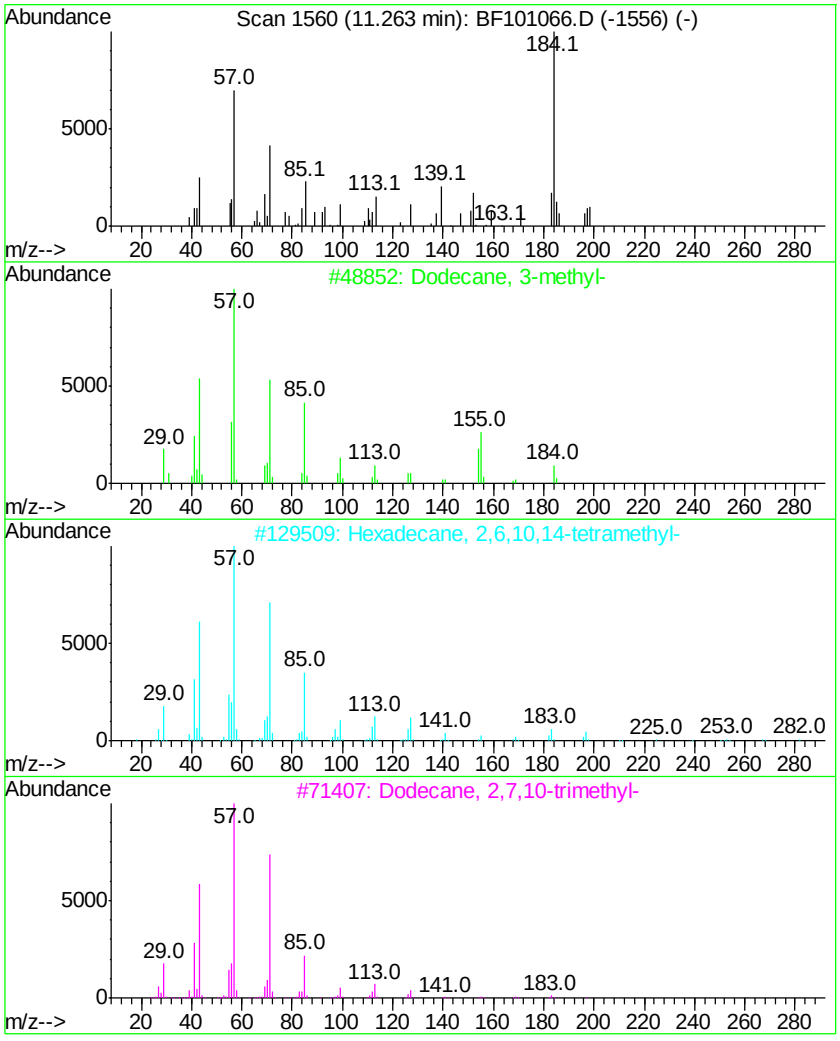
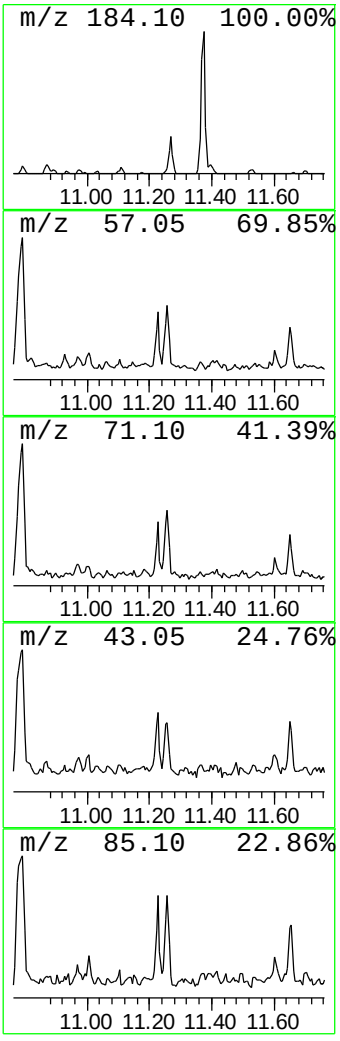
Peak Number 7 Dodecane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	2.78 ng	59763	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	87
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4	2-Bromotetradecane	276	C14H29Br	074036-95-6	72
5	Hexacosane	366	C26H54	000630-01-3	72





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Data File : BF101066.D
Acq On : 1 Dec 2017 16:37
Operator : SJ/JU
Sample : I6618-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-106-6(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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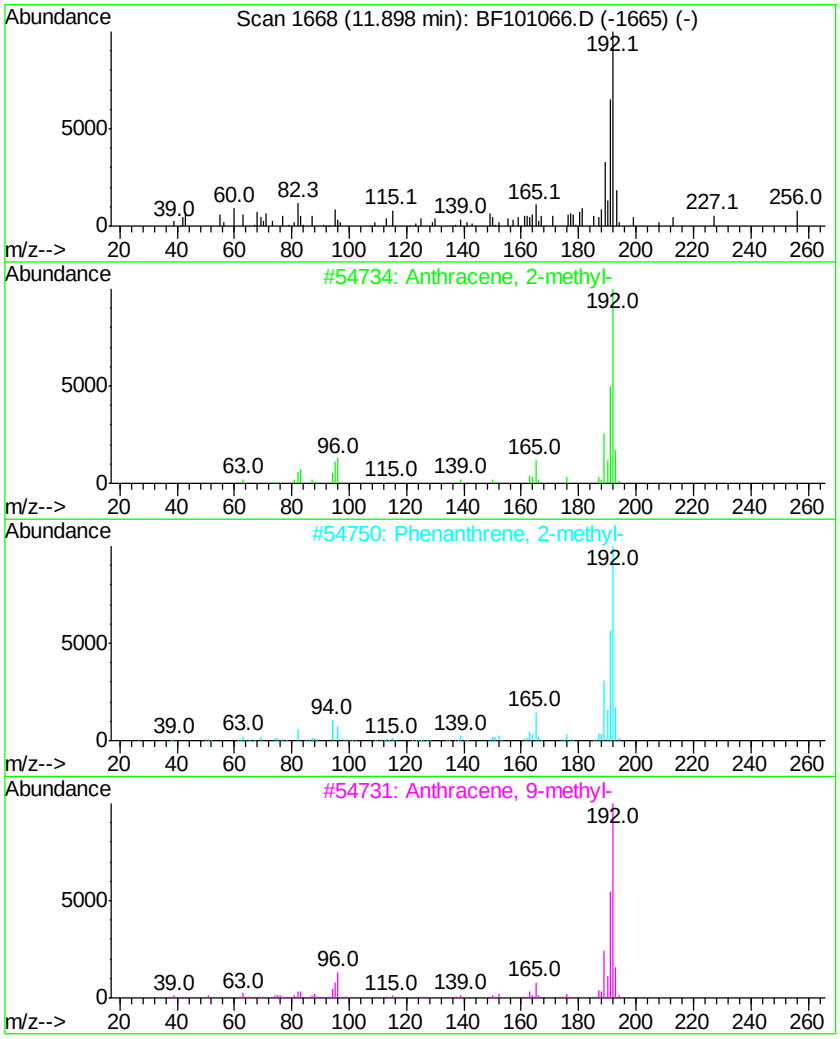
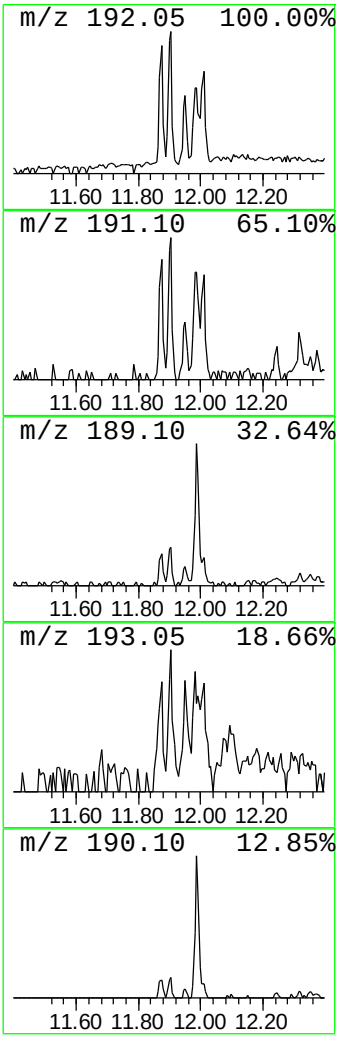
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	3.01 ng	64810	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76





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Operator : SJ/JU
Sample : I6618-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-106-6(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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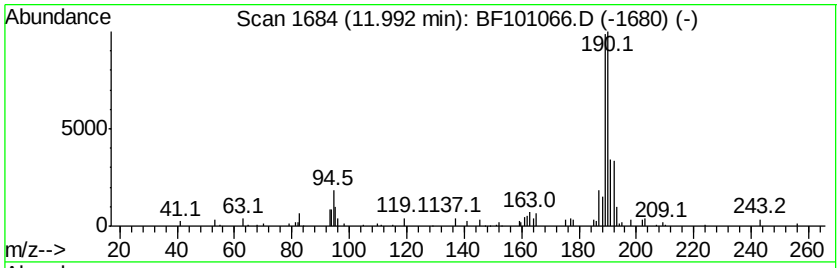
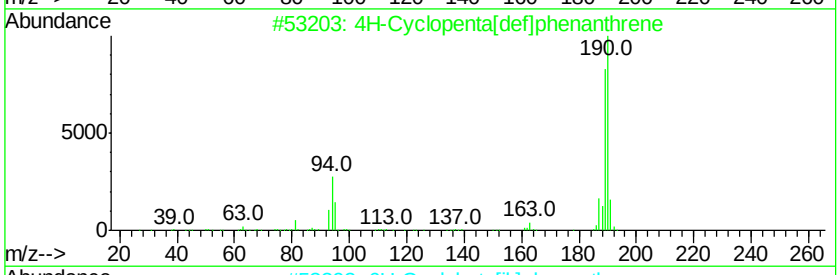
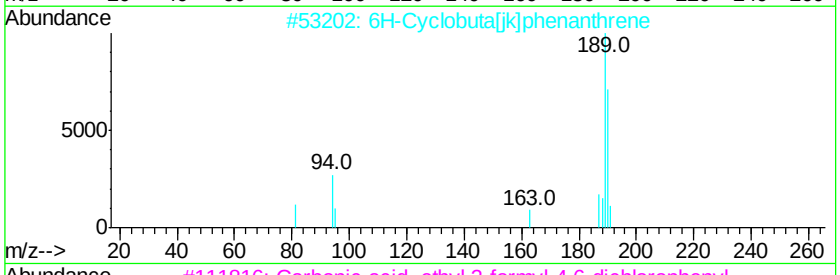
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

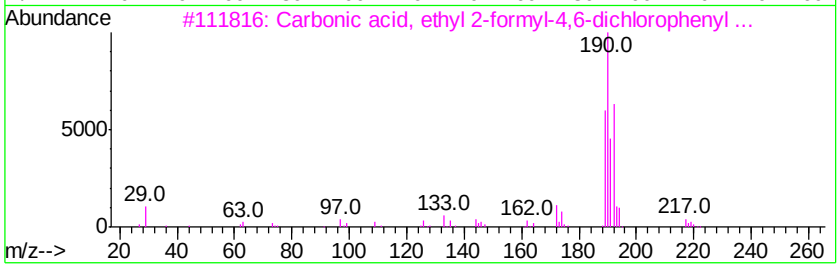
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.18 ng	68465	Phenanthrene-d10	11.37

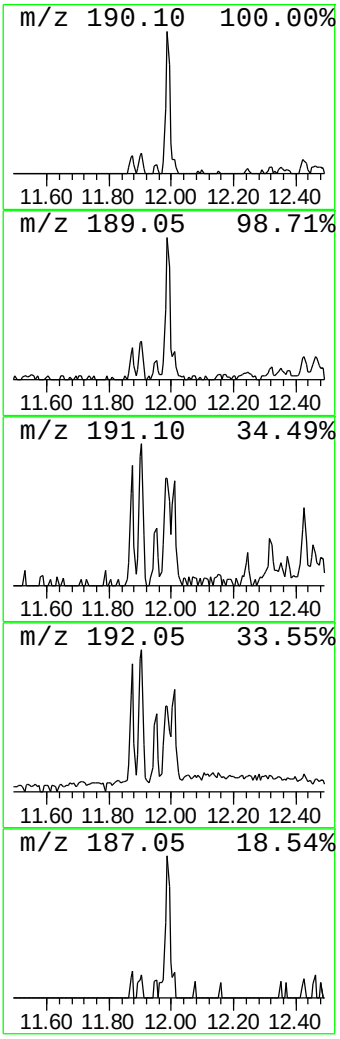
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	47











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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-106-6(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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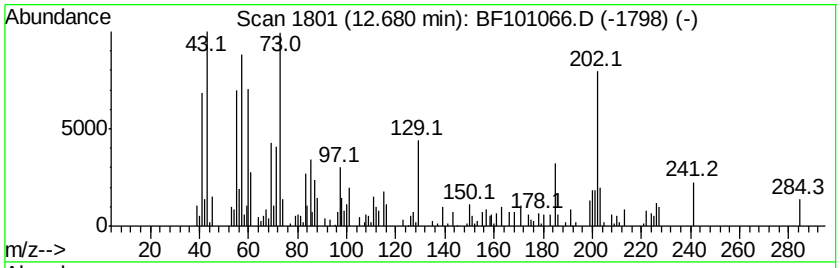
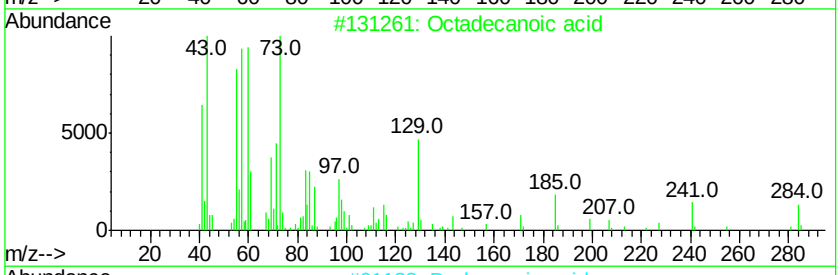
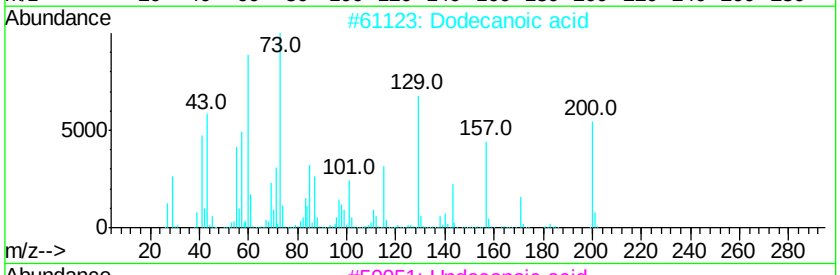
Peak Number 10 Octadecanoic acid Concentration Rank 7

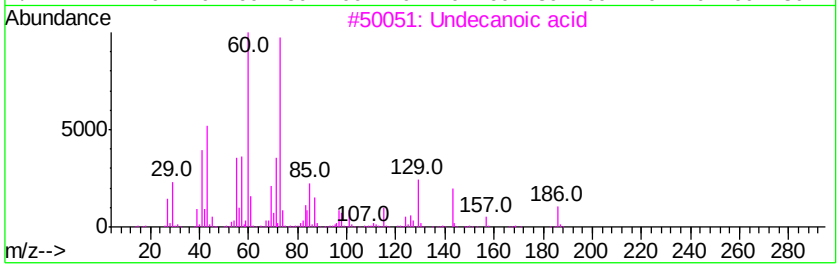
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	4.07 ng	87603	Phenanthrene-d10	11.37

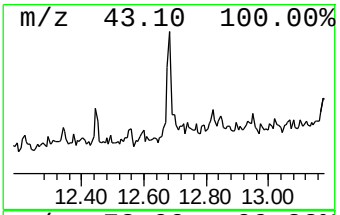
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2	Dodecanoic acid	200	C12H24O2	000143-07-7	62
3	Undecanoic acid	186	C11H22O2	000112-37-8	49
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	35
5	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	30

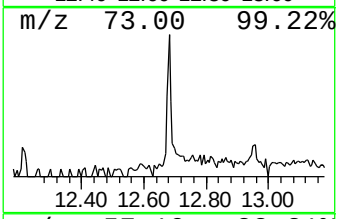


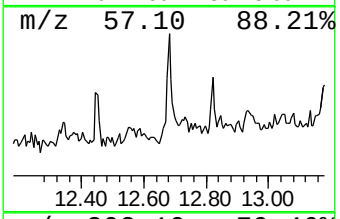


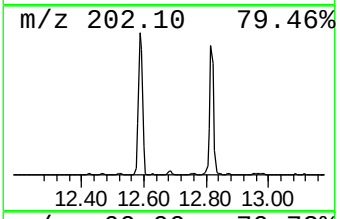


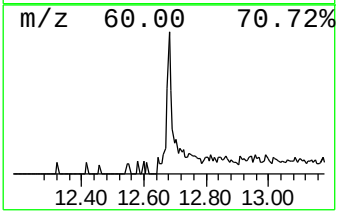












Library Search Compound Report

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Sample : I6618-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-106-6(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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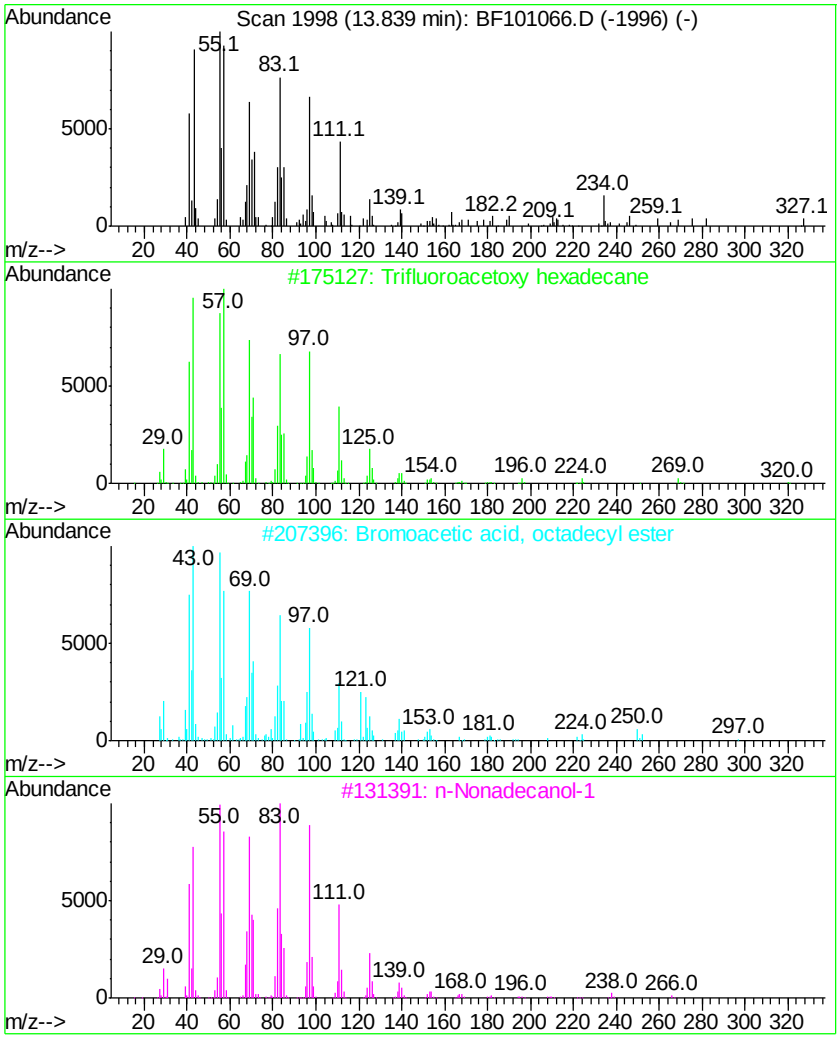
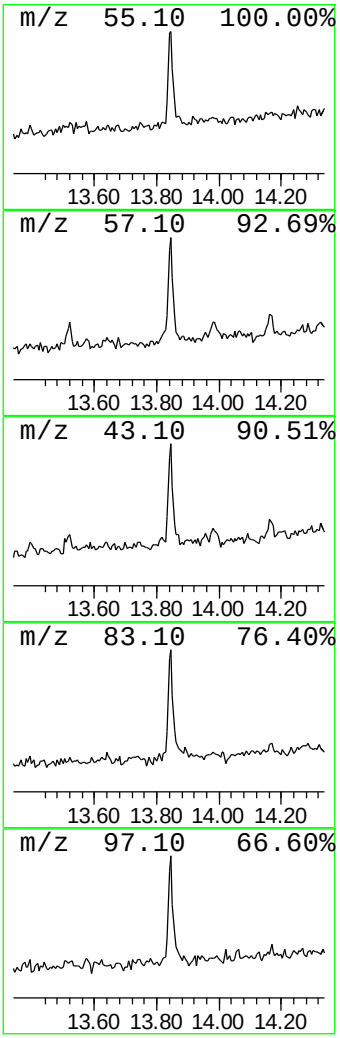
Peak Number 11 Trifluoroacetoxy hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	6.02 ng	150608	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
2	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91
3	n-Nonadecanol-1	284	C19H40O	001454-84-8	90
4	1-Nonadecene	266	C19H38	018435-45-5	89
5	3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	87





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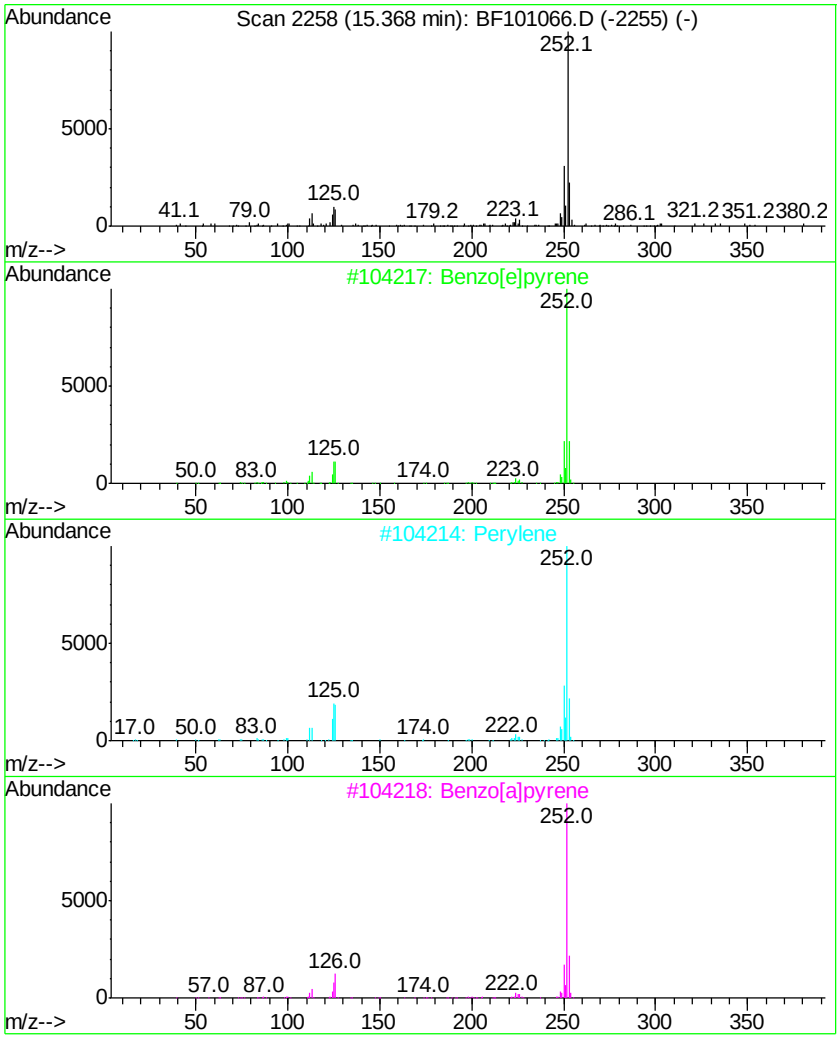
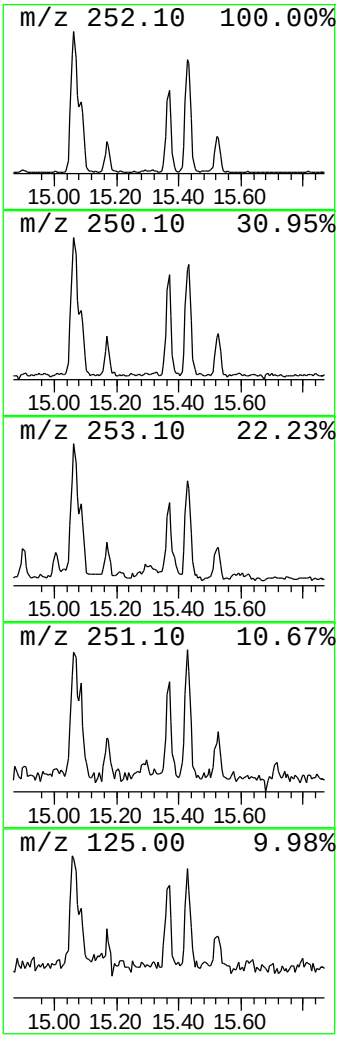
Peak Number 12 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	5.93 ng	103319	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.07	4.4	ng	69118	1	6.85	312493	20.0
unknown6.62	6.62	73.1	ng	1142320	1	6.85	312493	20.0
Biphenylene	9.75	2.3	ng	50720	3	9.89	449347	20.0
Pentadecane, 2,6,...	10.52	2.6	ng	59198	3	9.89	449347	20.0
Hexacosane	10.79	6.1	ng	131986	4	11.37	430421	20.0
Dodecane, 3-methyl-	11.26	2.8	ng	59763	4	11.37	430421	20.0
Anthracene, 2-met...	11.90	3.0	ng	64810	4	11.37	430421	20.0
4H-Cyclopenta[def...	11.99	3.2	ng	68465	4	11.37	430421	20.0
Octadecanoic acid	12.68	4.1	ng	87603	4	11.37	430421	20.0
Trifluoroacetoxy ...	13.84	6.0	ng	150608	5	14.02	500531	20.0
Benzo[e]pyrene	15.37	5.9	ng	103319	6	15.50	348560	20.0