LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103526.D
Acq On : 8 Mar 2018 19:35
Operator : SJ/JU
Sample : J1760-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030618

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-BF022218.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	4.504	405	411	416	rBV2	19251	30322	1.87%	0.150%
2	4.904	476	479	484	rVB	21413	24176	1.49%	0.119%
3	4.981	489	492	495	rVV2	30259	40281	2.49%	0.199%
4	5.010	495	497	501	rVV2	26459	29778	1.84%	0.147%
5	5.063	501	506	509	rVV2	39572	47680	2.95%	0.235%
6	5.098	509	512	522	rVB4	19251	52409	3.24%	0.258%
7	5.263	535	540	543	rBV2	41133	61502	3.80%	0.303%
8	5.292	543	545	551	rVV2	12296	16236	1.00%	0.080%
9	5.345	551	554	556	rVV	23497	24463	1.51%	0.121%
10	5.369	556	558	564	rVB2	21800	19600	1.21%	0.097%
11	5.445	568	571	575	rVV2	38687	40250	2.49%	0.199%
12	5.486	575	578	598	rVV	686185	1435870	88.78%	7.082%
13	5.628	598	602	606	rVV4	38842	84860	5.25%	0.419%
14	5.669	606	609	612	rVV	40323	50756	3.14%	0.250%
15	5.710	612	616	618	rVV2	36442	51930	3.21%	0.256%
16	5.757	622	624	630	rVB	28024	31543	1.95%	0.156%
17	5.875	638	644	648	rVB4	31846	48820	3.02%	0.241%
18	5.922	648	652	656	rBV4	9818	16850	1.04%	0.083%
19	6.010	662	667	670	rVB2	24281	25404	1.57%	0.125%
20	6.104	677	683	689	rBV5	18748	36305	2.24%	0.179%
21	6.386	727	731	735	rBV4	13965	20196	1.25%	0.100%
22	6.504	748	751	770	rBV	760552	1532047	94.72%	7.557%
23	6.633	770	773	797	rVB	1223237	1617423	100.00%	7.978%
24	6.863	809	812	828	rBV	761617	874581	54.07%	4.314%
25	7.016	835	838	854	rBV	1009621	1147035	70.92%	5.658%
26	7.122	854	856	865	rVB6	20146	28486	1.76%	0.141%
27	7.433	905	909	927	rBV	514355	954789	59.03%	4.709%
28	8.151	1027	1031	1051	rBV	727583	1108790	68.55%	5.469%
29	8.551	1097	1099	1101	rBV	24153	16254	1.00%	0.080%
30	8.810	1141	1143	1149	rVB5	13269	20650	1.28%	0.102%
31	8.880	1151	1155	1158	rVV4	13298	17588	1.09%	0.087%
32	8.969	1167	1170	1174	rBV	24472	31091	1.92%	0.153%
33	9.022	1174	1179	1181	rBV6	15551	19662	1.22%	0.097%
34	9.086	1186	1190	1195	rVV	73797	74195	4.59%	0.366%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103526.D
Acq On : 8 Mar 2018 19:35
Operator : SJ/JU
Sample : J1760-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030618

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-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.151	1199	1201	1206	rVB	36324	28871	1.78%	0.142%
36	9.198	1206	1209	1210	rBV	84729	71017	4.39%	0.350%
37	9.222	1210	1213	1222	rVV	1272451	1432133	88.54%	7.064%
38	9.292	1222	1225	1227	rVV2	44549	54152	3.35%	0.267%
39	9.327	1229	1231	1236	rVB5	17109	20047	1.24%	0.099%
40	9.404	1241	1244	1247	rBV3	16935	21097	1.30%	0.104%
41	9.498	1256	1260	1264	rBV5	16708	24714	1.53%	0.122%
42	9.563	1268	1271	1274	rVV2	33254	34284	2.12%	0.169%
43	9.604	1274	1278	1281	rVV4	69008	80538	4.98%	0.397%
44	9.639	1281	1284	1286	rVB4	16014	17686	1.09%	0.087%
45	9.698	1292	1294	1300	rVB6	27441	39127	2.42%	0.193%
46	9.769	1300	1306	1310	rBV	150698	190795	11.80%	0.941%
47	9.816	1310	1314	1318	rVB2	34371	51117	3.16%	0.252%
48	9.880	1322	1325	1326	rBV3	19737	19058	1.18%	0.094%
49	9.904	1326	1329	1339	rVB2	900228	958770	59.28%	4.729%
50	10.010	1344	1347	1350	rVB4	15568	19553	1.21%	0.096%
51	10.104	1361	1363	1367	rVV2	24156	38657	2.39%	0.191%
52	10.145	1367	1370	1374	rVB3	28466	36585	2.26%	0.180%
53	10.221	1380	1383	1386	rBV3	38824	50195	3.10%	0.248%
54	10.257	1386	1389	1392	rVV4	25336	32468	2.01%	0.160%
55	10.292	1392	1395	1396	rVV	30722	27528	1.70%	0.136%
56	10.316	1396	1399	1403	rVV2	60835	66203	4.09%	0.327%
57	10.369	1405	1408	1412	rVB3	17133	19334	1.20%	0.095%
58	10.433	1416	1419	1421	rBV2	16723	17871	1.10%	0.088%
59	10.463	1421	1424	1430	rVB	54929	73169	4.52%	0.361%
60	10.521	1430	1434	1436	rBV	90585	108522	6.71%	0.535%
61	10.704	1461	1465	1477	rBV	487779	653590	40.41%	3.224%
62	10.798	1477	1481	1488	rVB2	77693	124671	7.71%	0.615%
63	10.892	1494	1497	1500	rBV4	20493	28609	1.77%	0.141%
64	11.010	1513	1517	1519	rBV4	28066	40157	2.48%	0.198%
65	11.033	1519	1521	1527	rVB3	20067	21000	1.30%	0.104%
66	11.133	1533	1538	1540	rBV6	21746	34095	2.11%	0.168%
67	11.157	1540	1542	1547	rVB6	22535	30246	1.87%	0.149%
68	11.239	1554	1556	1558	rBV2	31811	26163	1.62%	0.129%
69	11.268	1558	1561	1564	rVV	54221	51778	3.20%	0.255%
70	11.298	1564	1566	1569	rVB	26713	21067	1.30%	0.104%
71	11.404	1580	1584	1586	rBV	713595	788609	48.76%	3.890%

LSC Area Percent Report

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Acq On : 8 Mar 2018 19:35
Operator : SJ/JU
Sample : J1760-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030618

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-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.427	1586	1588	1595	rVB	341388	350937	21.70%	1.731%
73	11.480	1595	1597	1601	rBV	87955	92849	5.74%	0.458%
74	11.545	1606	1608	1613	rVB	72289	69840	4.32%	0.344%
75	11.645	1623	1625	1626	rBV	27849	18395	1.14%	0.091%
76	11.668	1626	1629	1631	rVB	33771	32672	2.02%	0.161%
77	11.768	1644	1646	1650	rVB4	24671	21286	1.32%	0.105%
78	11.810	1650	1653	1654	rBV3	17295	18345	1.13%	0.090%
79	11.910	1667	1670	1672	rBV2	229126	241929	14.96%	1.193%
80	11.945	1672	1676	1680	rVB2	211904	253099	15.65%	1.248%
81	11.986	1681	1683	1685	rVB	27076	19371	1.20%	0.096%
82	12.015	1685	1688	1691	rBV	136444	144051	8.91%	0.711%
83	12.074	1696	1698	1701	rVB	33227	26750	1.65%	0.132%
84	12.198	1717	1719	1722	rVB	34038	27738	1.71%	0.137%
85	12.380	1748	1750	1753	rVB3	30723	21383	1.32%	0.105%
86	12.457	1759	1763	1768	rBV2	111710	183162	11.32%	0.903%
87	12.545	1775	1778	1779	rBV2	39044	44708	2.76%	0.221%
88	12.621	1787	1791	1798	rBV	444957	488922	30.23%	2.412%
89	12.721	1806	1808	1810	rBV	42275	29337	1.81%	0.145%
90	12.851	1824	1830	1836	rBV	418068	575533	35.58%	2.839%
91	12.980	1849	1852	1858	rBV	954396	903213	55.84%	4.455%
92	13.380	1918	1920	1923	rBV2	54968	69565	4.30%	0.343%
93	13.533	1944	1946	1951	rBV2	83746	84122	5.20%	0.415%
94	13.862	1999	2002	2008	rBV2	320382	342783	21.19%	1.691%
95	14.057	2031	2035	2038	rBV2	718736	871819	53.90%	4.300%
96	15.562	2288	2291	2295	rVB	320312	357309	22.09%	1.762%

Sum of corrected areas: 20274416

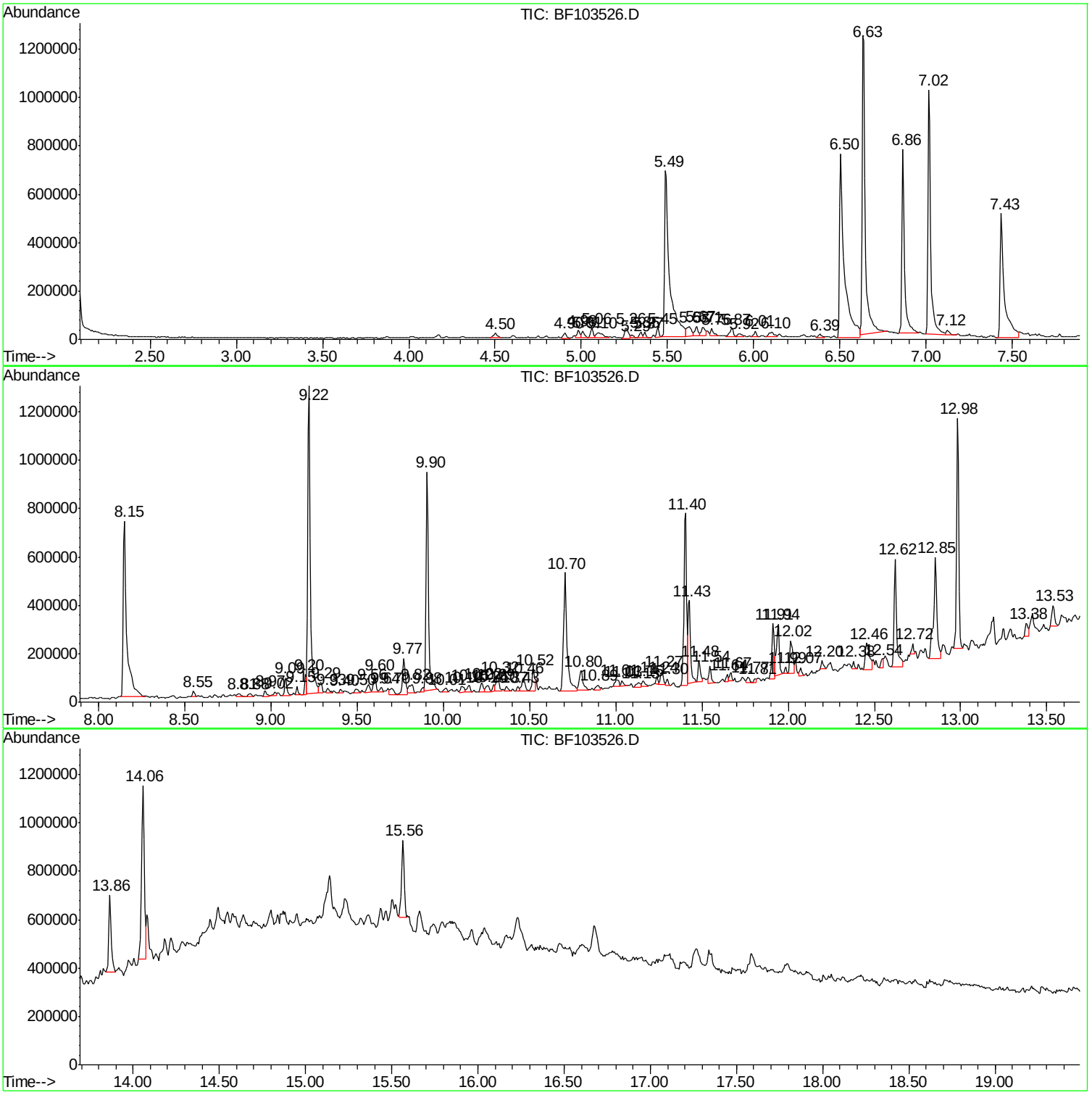
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103526.D
Acq On : 8 Mar 2018 19:35
Operator : SJ/JU
Sample : J1760-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030618

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103526.D
Acq On : 8 Mar 2018 19:35
Operator : SJ/JU
Sample : J1760-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030618

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

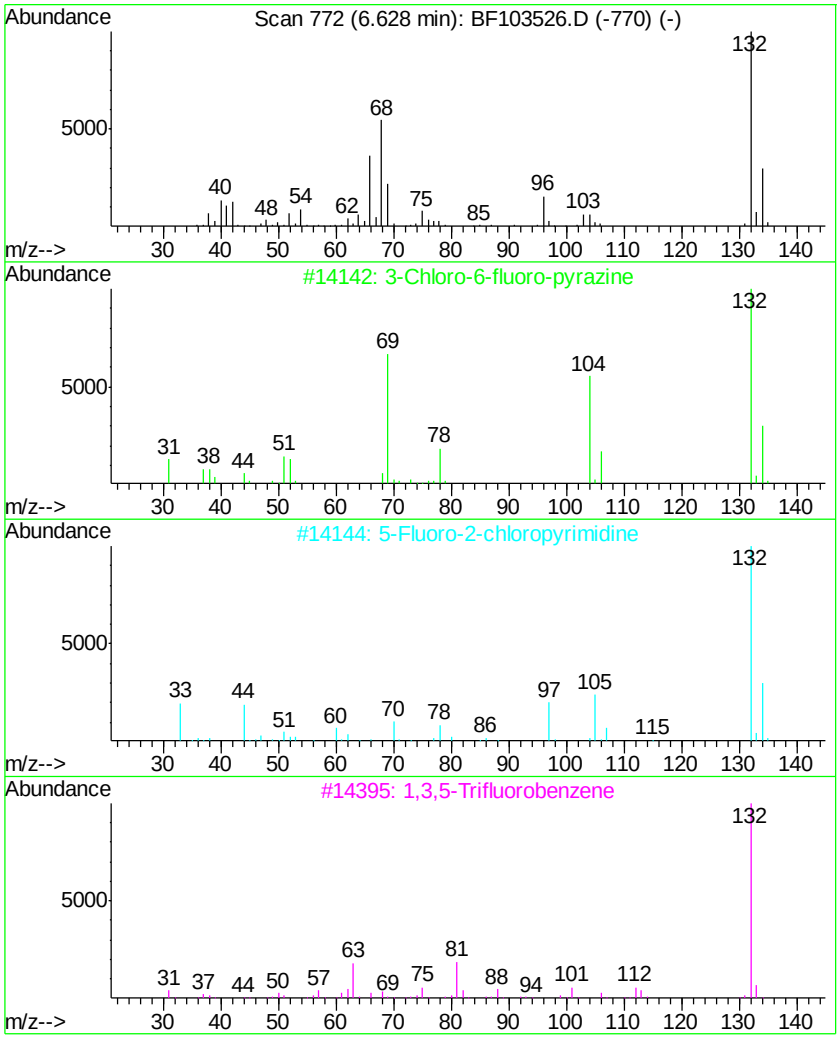
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

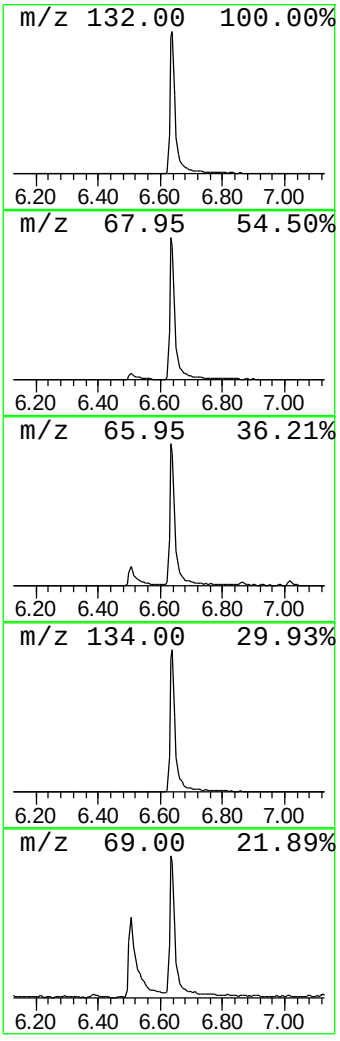
****

Peak Number 1 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	36.99 ng	1617420	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	10
4	5-Aminoindole	132	C8H8N2	005192-03-0	10
5	1,2,3-Trifluorobenzene	132	C6H3F3	001489-53-8	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103526.D
Acq On : 8 Mar 2018 19:35
Operator : SJ/JU
Sample : J1760-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030618

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

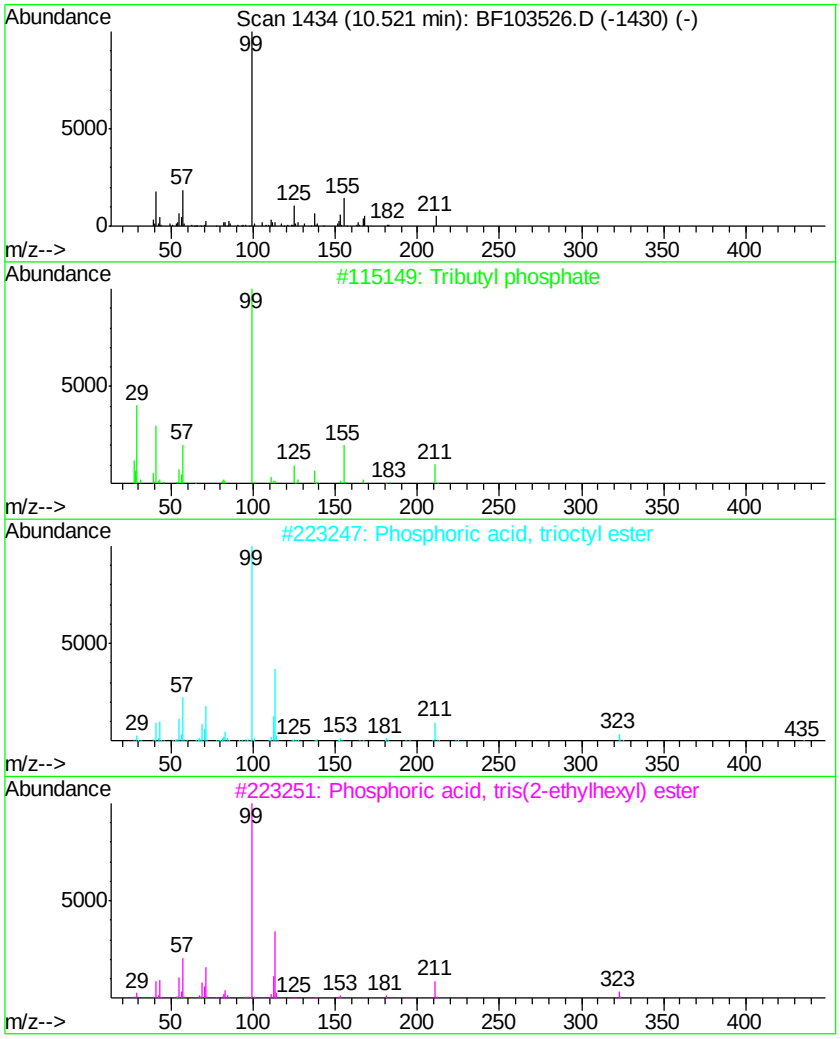
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

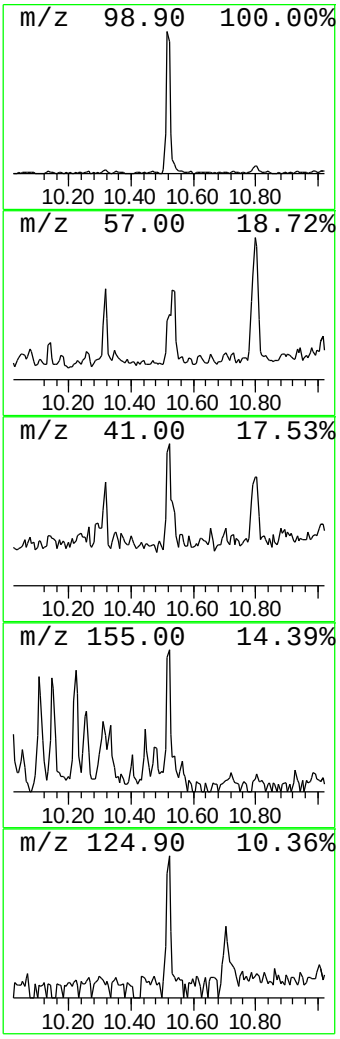
****

Peak Number 3 Tributyl phosphate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	2.26 ng	108522	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tributyl phosphate	266	C12H27O4P	000126-73-8	78
2	Phosphoric acid, trioctyl ester	434	C24H51O4P	001806-54-8	53
3	Phosphoric acid, tris(2-ethylhex...	434	C24H51O4P	000078-42-2	42
4	n-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-63-6	33
5	Tetrahydrofuran-2-one, 3-[2-pent...	168	C10H16O2	1000132-08-6	33





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103526.D
Acq On : 8 Mar 2018 19:35
Operator : SJ/JU
Sample : J1760-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030618

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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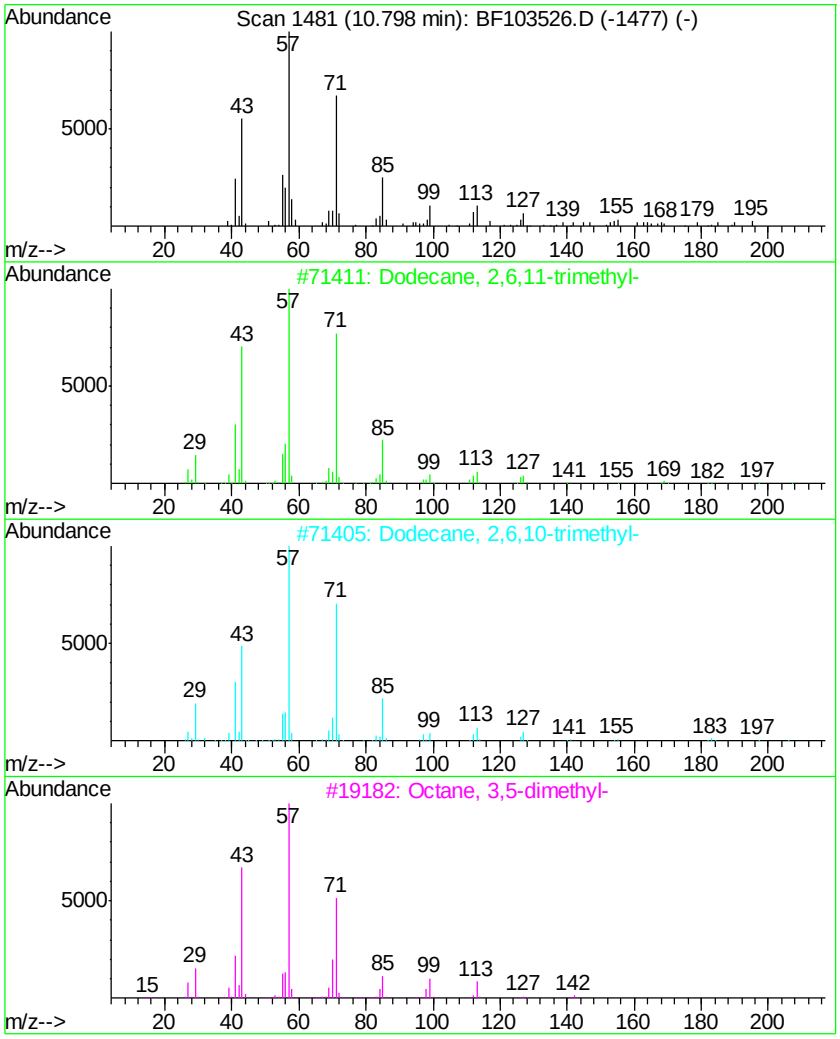
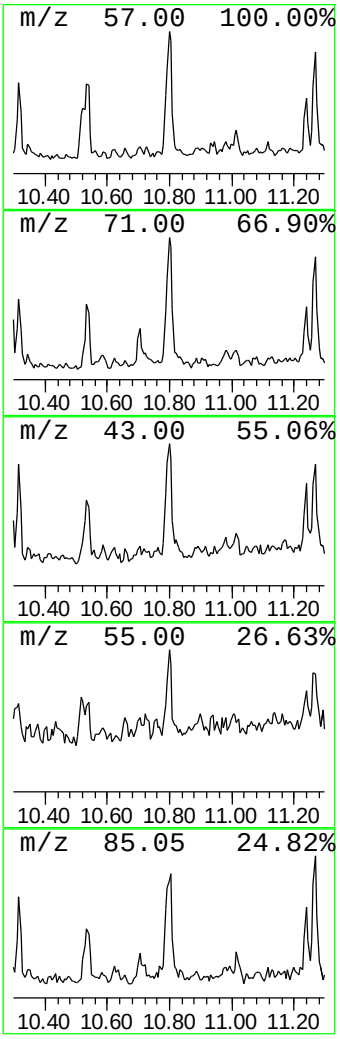
Peak Number 4 Dodecane, 2,6,11-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	3.16 ng	124671	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	78
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	72
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	59
5	Decane, 5-propyl-	184	C13H28	017312-62-8	53





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103526.D
Acq On : 8 Mar 2018 19:35
Operator : SJ/JU
Sample : J1760-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030618

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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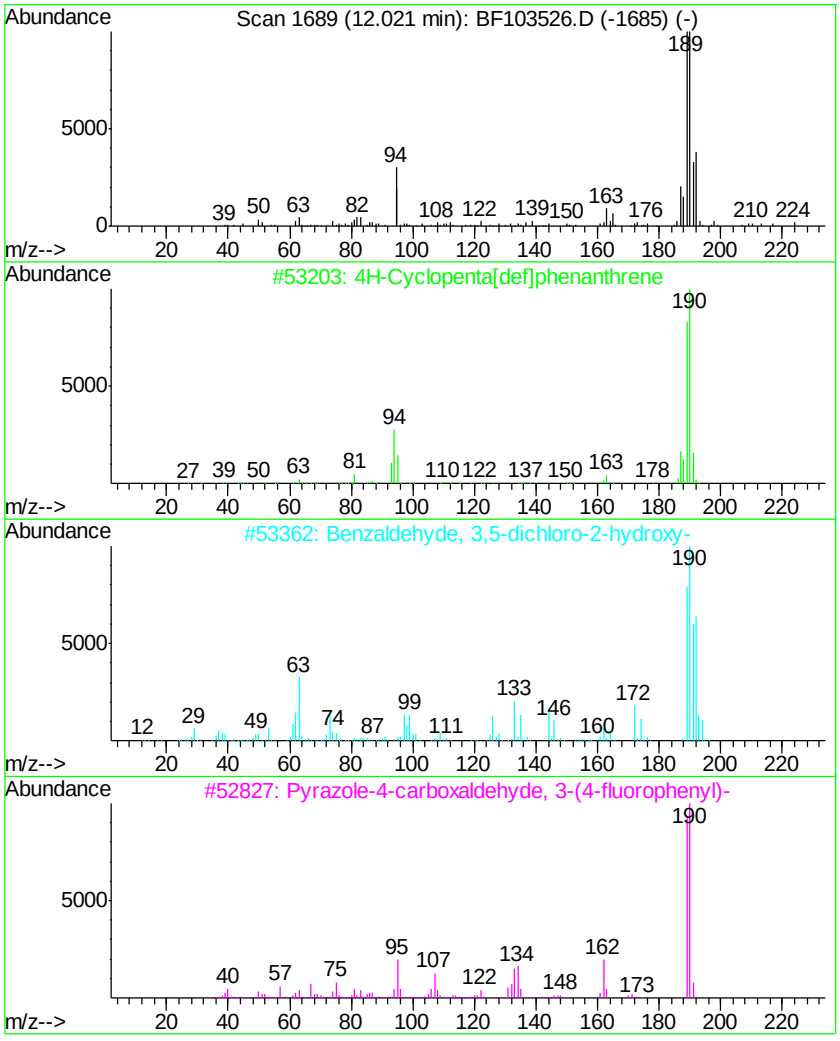
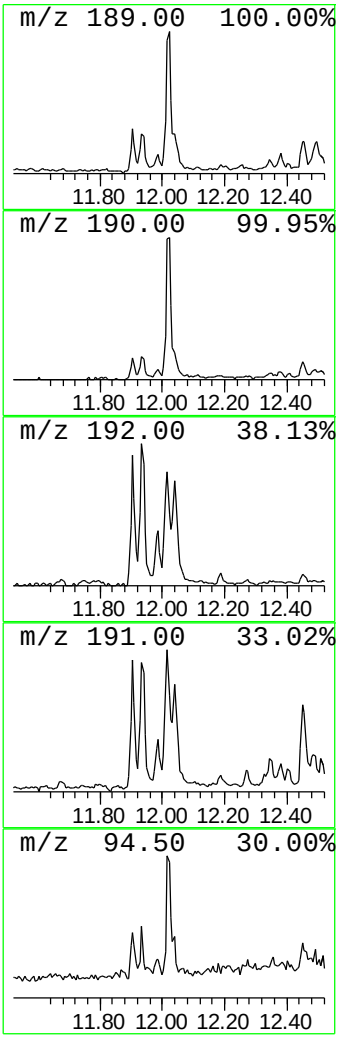
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.65 ng	144051	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	43
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	20
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	20





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103526.D
Acq On : 8 Mar 2018 19:35
Operator : SJ/JU
Sample : J1760-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030618

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

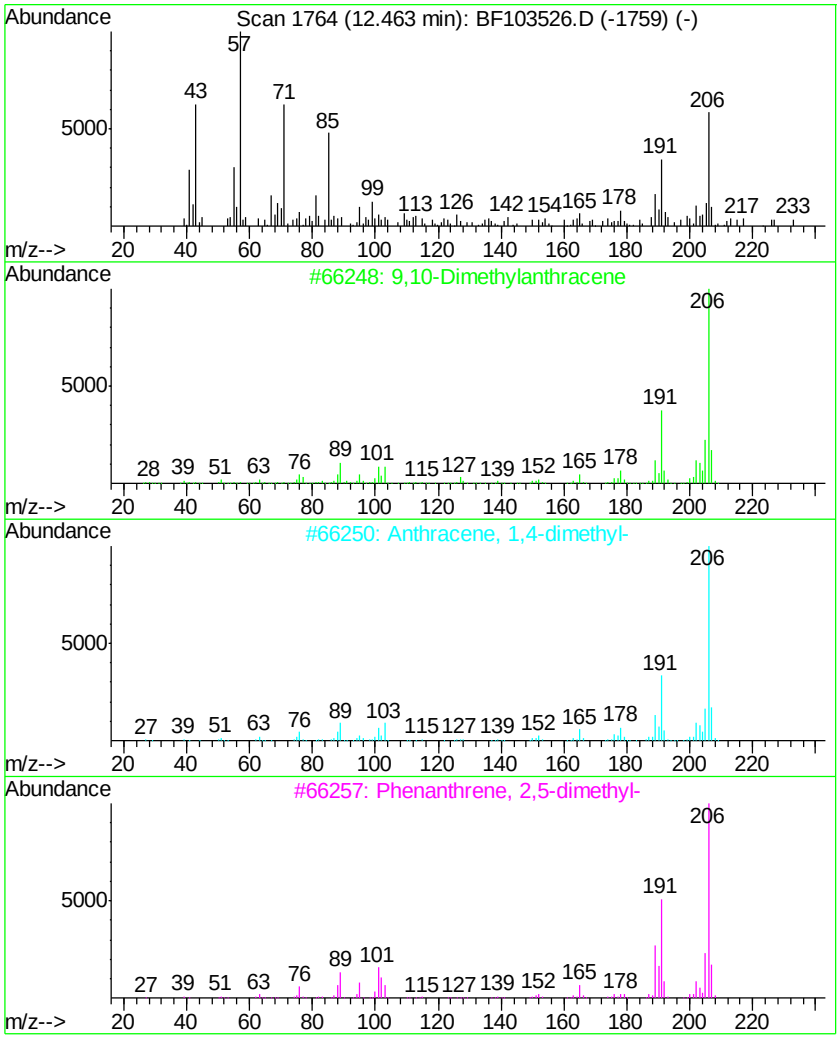
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

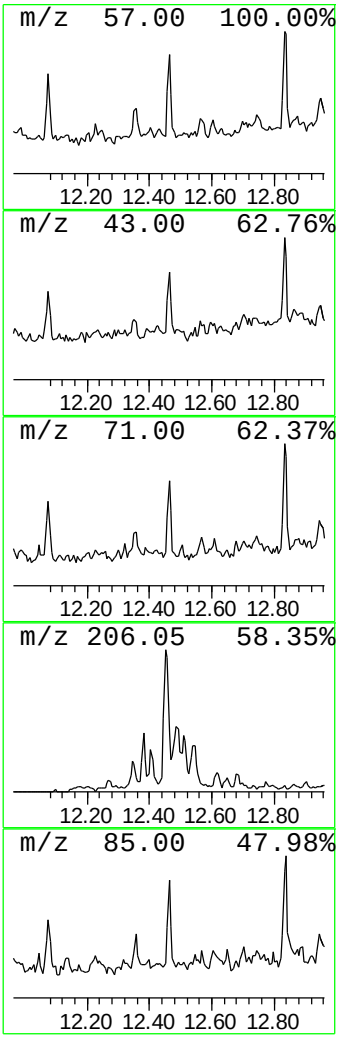
****

Peak Number 6 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	4.65 ng	183162	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103526.D
Acq On : 8 Mar 2018 19:35
Operator : SJ/JU
Sample : J1760-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030618

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

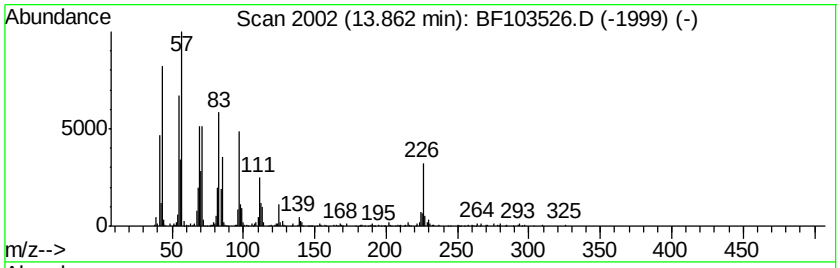
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

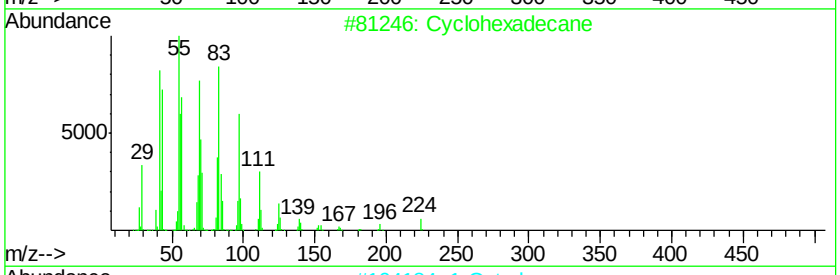
****

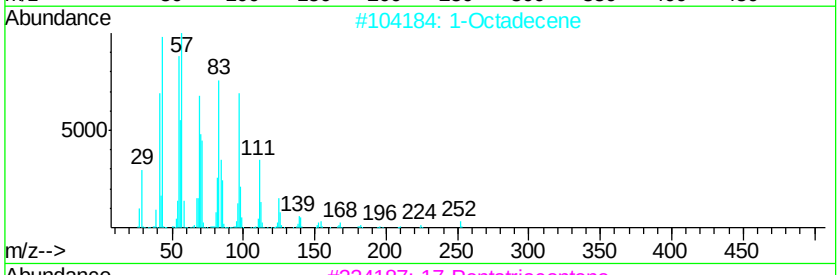
Peak Number 7 Cyclohexadecane Concentration Rank 3

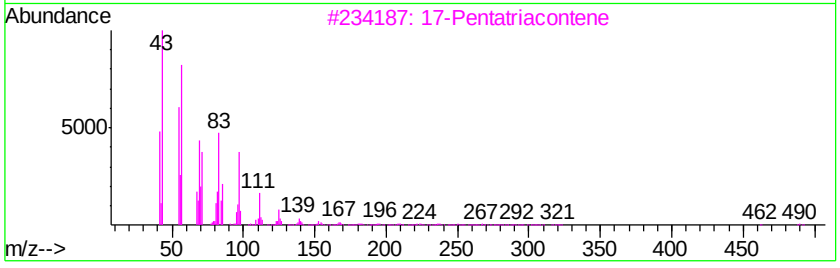
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	7.86 ng	342783	Chrysene-d12	14.06

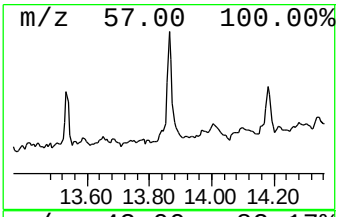
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	97
2	1-Octadecene	252	C18H36	000112-88-9	93
3	17-Pentatriacontene	491	C35H70	006971-40-0	87
4	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	87
5	Z-5-Nonadecene	266	C19H38	1000131-11-8	86

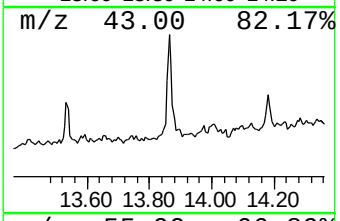


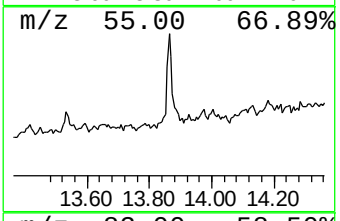


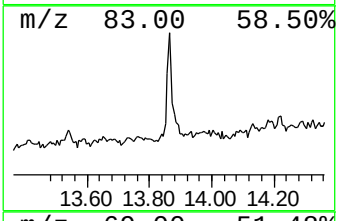


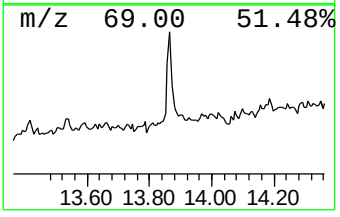












Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF030818\
Data File : BF103526.D
Acq On : 8 Mar 2018 19:35
Operator : SJ/JU
Sample : J1760-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030618

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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
unknown6.63	6.63	37.0	ng	1617420	1	6.86	874581	20.0
Tributyl phosphate	10.52	2.3	ng	108522	3	9.90	958770	20.0
Dodecane, 2,6,11-...	10.80	3.2	ng	124671	4	11.40	788609	20.0
4H-Cyclopenta[def...	12.02	3.6	ng	144051	4	11.40	788609	20.0
9,10-Dimethylanth...	12.46	4.7	ng	183162	4	11.40	788609	20.0
Cyclohexadecane	13.86	7.9	ng	342783	5	14.06	871819	20.0