LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103374.D
Acq On : 2 Mar 2018 19:18
Operator : SJ/JU
Sample : J1720-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-49

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	2.151	5	11	19	rVB	296796	423757	10.26%	1.123%
2	5.122	513	516	527	rBV	104420	152698	3.70%	0.405%
3	5.504	576	581	603	rVB	3847961	4131167	100.00%	10.945%
4	6.516	748	753	771	rBV	3412364	4050426	98.05%	10.731%
5	6.651	771	776	779	rVV	3844430	3799503	91.97%	10.067%
6	6.875	810	814	821	rBV	1217826	1017909	24.64%	2.697%
7	7.033	836	841	844	rBV	3157850	2961748	71.69%	7.847%
8	7.445	906	911	920	rBV	2522801	2662827	64.46%	7.055%
9	8.157	1028	1032	1044	rBV	1408908	1421745	34.42%	3.767%
10	8.874	1150	1154	1160	rBV	117463	127511	3.09%	0.338%
11	8.975	1167	1171	1176	rVB	58702	64716	1.57%	0.171%
12	9.233	1210	1215	1218	rBV	3674538	3485152	84.36%	9.234%
13	9.298	1224	1226	1229	rVB	103762	88543	2.14%	0.235%
14	9.333	1229	1232	1237	rBV2	47077	44218	1.07%	0.117%
15	9.498	1255	1260	1265	rBV4	33191	59960	1.45%	0.159%
16	9.574	1268	1273	1275	rVV2	42409	61595	1.49%	0.163%
17	9.622	1275	1281	1289	rVV	397686	455515	11.03%	1.207%
18	9.774	1304	1307	1312	rBV	72027	84928	2.06%	0.225%
19	9.827	1312	1316	1319	rVV	170769	140078	3.39%	0.371%
20	9.916	1327	1331	1334	rBV	1300502	1145256	27.72%	3.034%
21	9.945	1334	1336	1340	rVB	87213	80215	1.94%	0.213%
22	10.121	1362	1366	1369	rVV2	78388	96306	2.33%	0.255%
23	10.151	1369	1371	1375	rVB3	60861	62245	1.51%	0.165%
24	10.227	1381	1384	1388	rBV2	31959	42284	1.02%	0.112%
25	10.327	1395	1401	1404	rBV	208565	203567	4.93%	0.539%
26	10.463	1421	1424	1430	rVB2	57546	73449	1.78%	0.195%
27	10.545	1434	1438	1441	rVB2	54520	68458	1.66%	0.181%
28	10.710	1462	1466	1476	rBV	1691341	1764339	42.71%	4.675%
29	10.804	1479	1482	1492	rVB	144586	209947	5.08%	0.556%
30	11.016	1513	1518	1520	rBV5	27189	44313	1.07%	0.117%
31	11.251	1555	1558	1561	rBV	98016	94194	2.28%	0.250%
32	11.404	1581	1584	1587	rBV	937300	967375	23.42%	2.563%
33	11.433	1587	1589	1594	rVV	509367	435421	10.54%	1.154%
34	11.486	1595	1598	1602	rVV	131461	129000	3.12%	0.342%

LSC Area Percent Report

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Data File : BF103374.D
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Operator : SJ/JU
Sample : J1720-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-49

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	11.616	1617	1620	1621	rBV	53350	48402	1.17%	0.128%
36	11.915	1667	1671	1673	rBV2	191196	239371	5.79%	0.634%
37	11.939	1673	1675	1680	rVB2	129481	120577	2.92%	0.319%
38	11.986	1680	1683	1686	rBV	50507	47627	1.15%	0.126%
39	12.021	1686	1689	1691	rBV	129681	129262	3.13%	0.342%
40	12.204	1717	1720	1724	rBV	68974	68562	1.66%	0.182%
41	12.239	1724	1726	1730	rVB2	56610	53724	1.30%	0.142%
42	12.433	1757	1759	1761	rBV2	50411	45055	1.09%	0.119%
43	12.457	1761	1763	1765	rBV	67973	64668	1.57%	0.171%
44	12.557	1777	1780	1782	rBV3	46126	50929	1.23%	0.135%
45	12.627	1788	1792	1795	rBV	910457	822847	19.92%	2.180%
46	12.798	1819	1821	1824	rVB2	132153	116322	2.82%	0.308%
47	12.857	1825	1831	1837	rBV	904051	1042795	25.24%	2.763%
48	12.992	1850	1854	1857	rBV	2108234	1935829	46.86%	5.129%
49	13.874	2001	2004	2008	rVB3	211568	244957	5.93%	0.649%
50	14.015	2025	2028	2031	rBV	304114	236390	5.72%	0.626%
51	14.062	2031	2036	2038	rVV2	792045	1140764	27.61%	3.022%
52	14.086	2038	2040	2047	rVB	445640	413966	10.02%	1.097%
53	15.127	2215	2217	2220	rBV	235716	271416	6.57%	0.719%

Sum of corrected areas: 37743828

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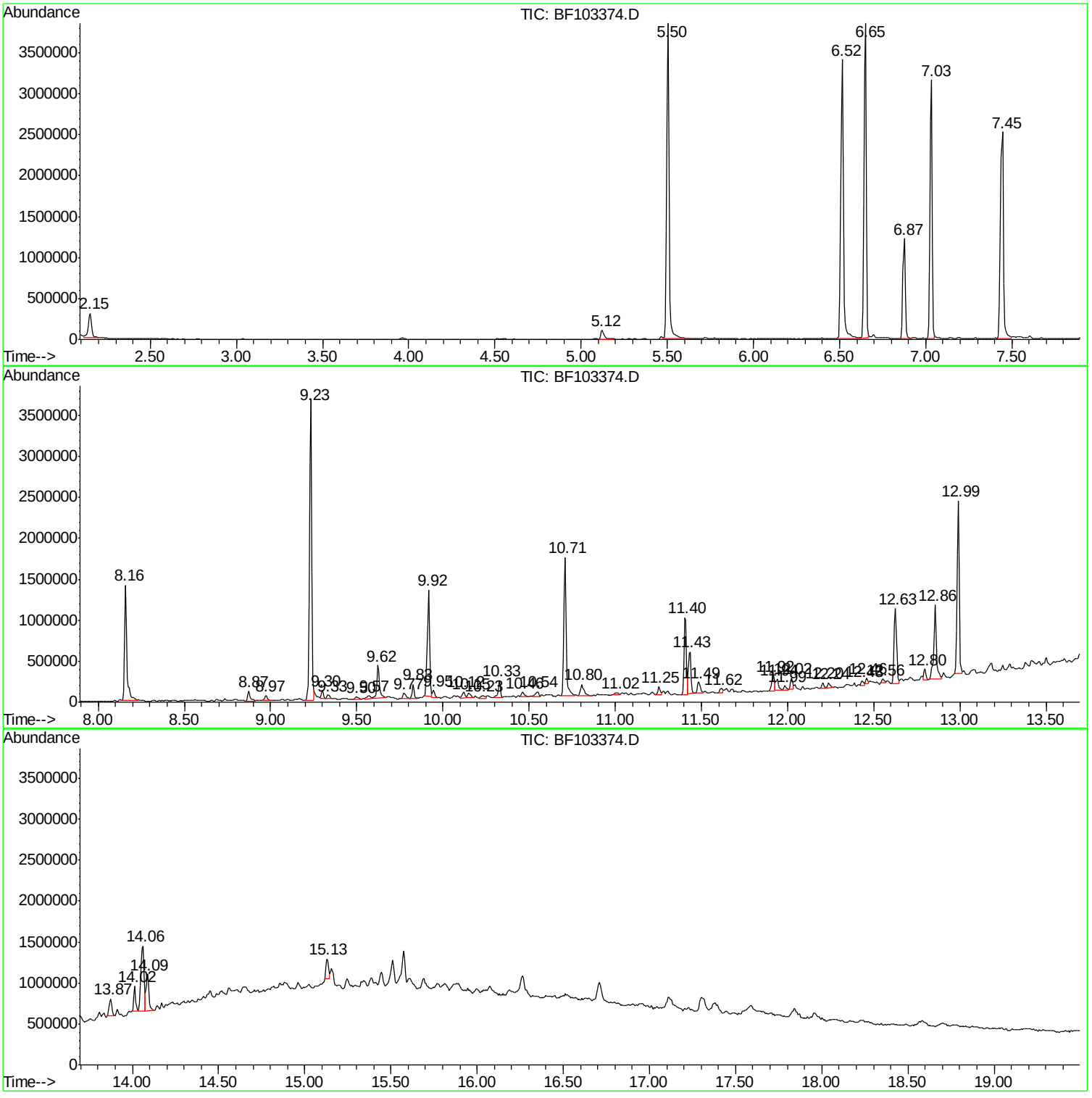
Sample : J1720-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-49

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 : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103374.D
Acq On : 2 Mar 2018 19:18
Operator : SJ/JU
Sample : J1720-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-49

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

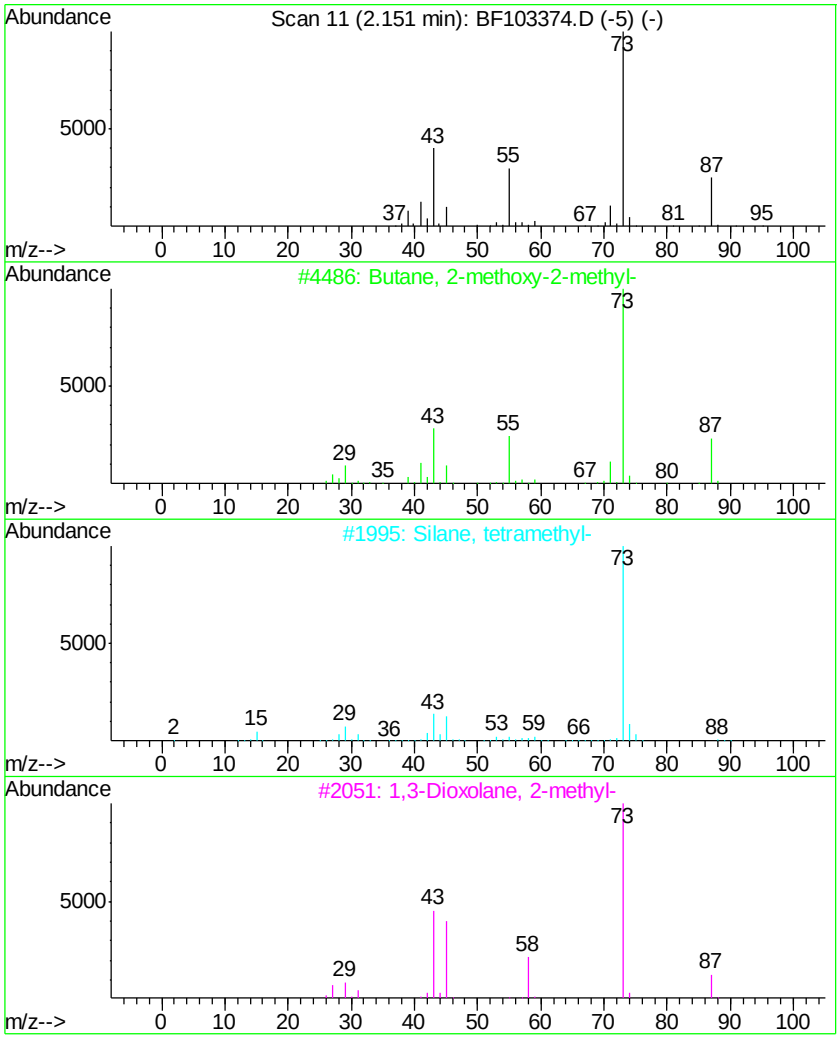
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

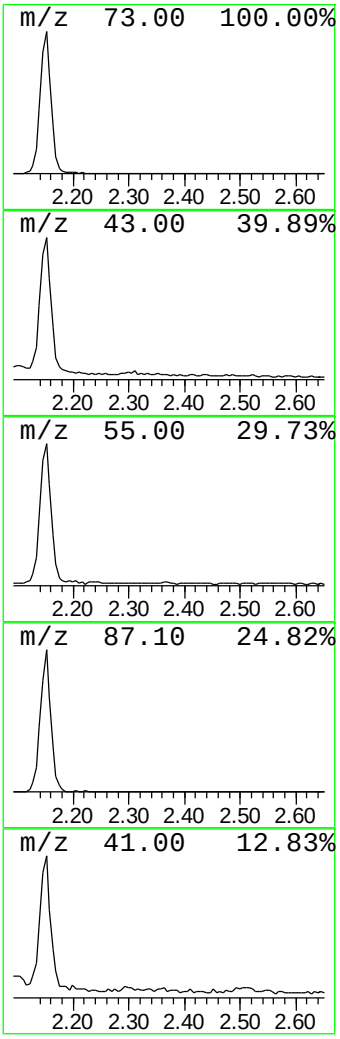
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	8.33 ng	423757	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103374.D
Acq On : 2 Mar 2018 19:18
Operator : SJ/JU
Sample : J1720-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-49

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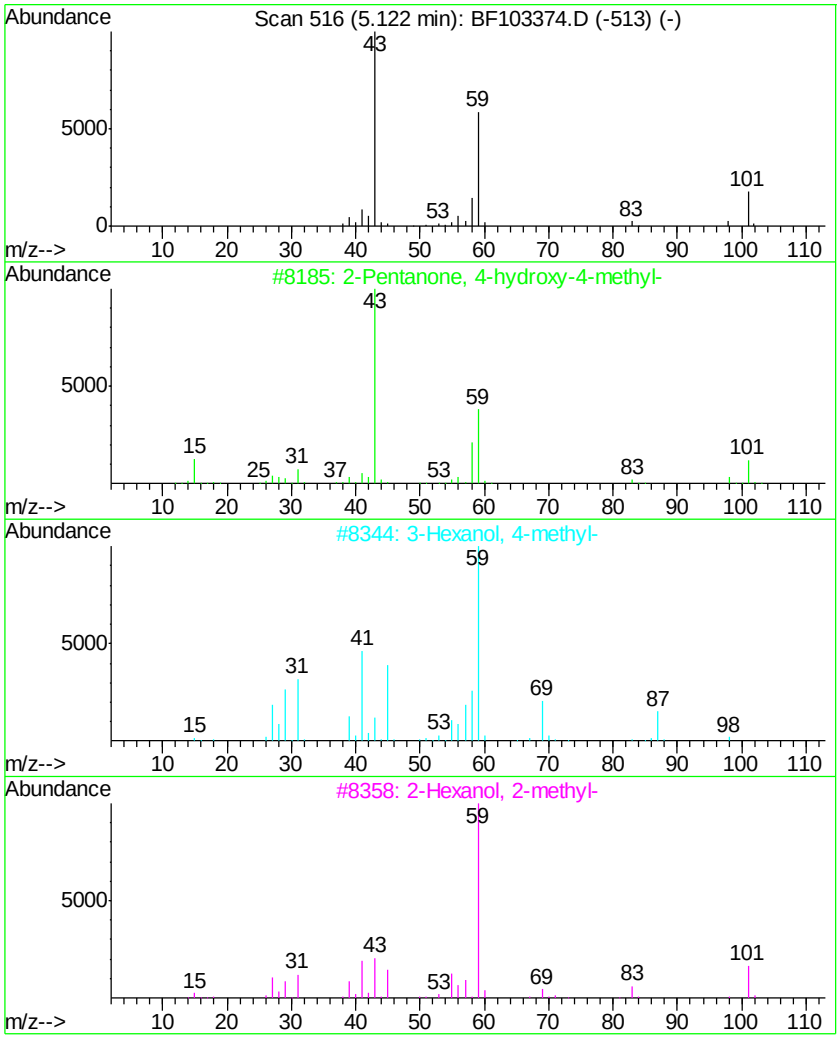
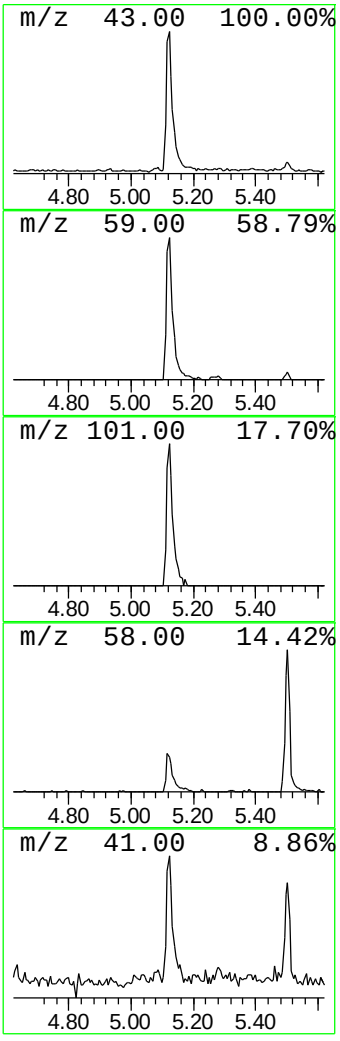
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	3.00 ng	152698	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103374.D
Acq On : 2 Mar 2018 19:18
Operator : SJ/JU
Sample : J1720-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-49

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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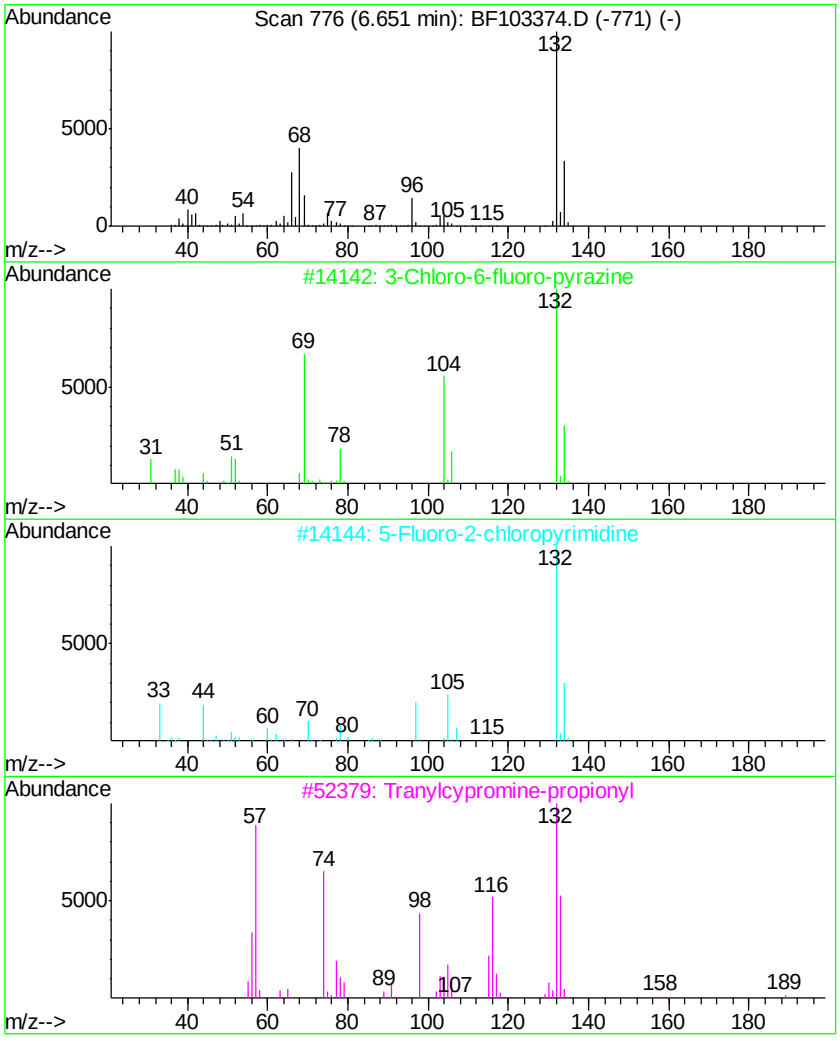
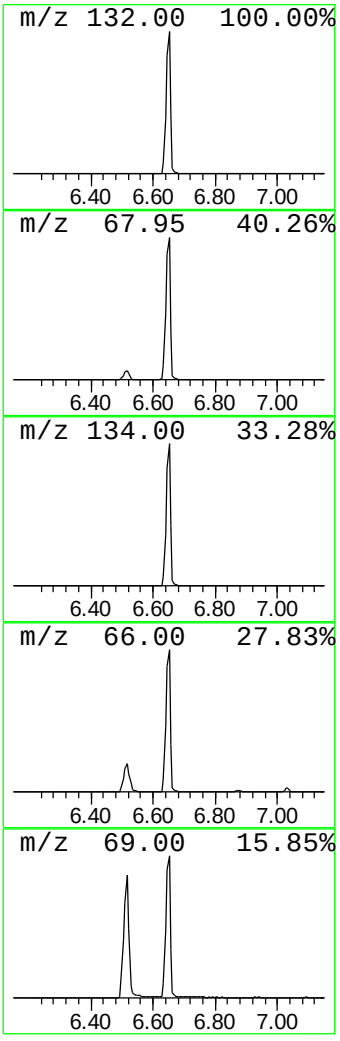
Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	74.65 ng	3799500	1,4-Dichlorobenzene-d4	6.87

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
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Sample : J1720-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-49

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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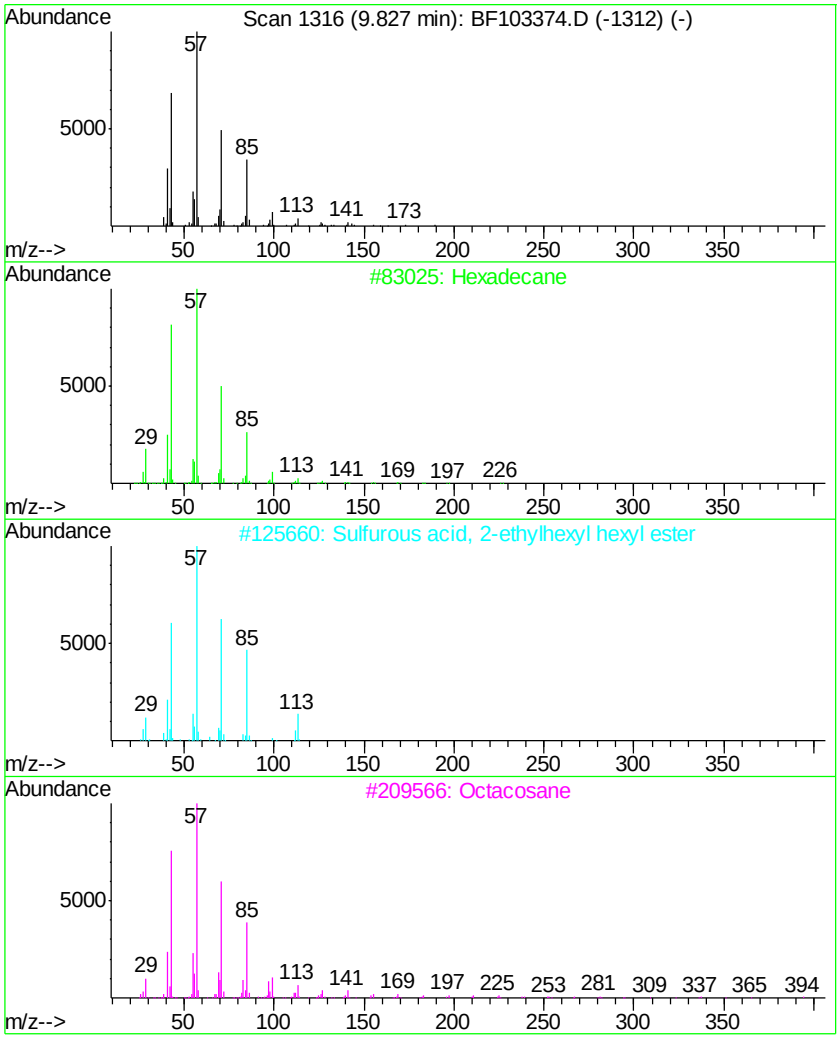
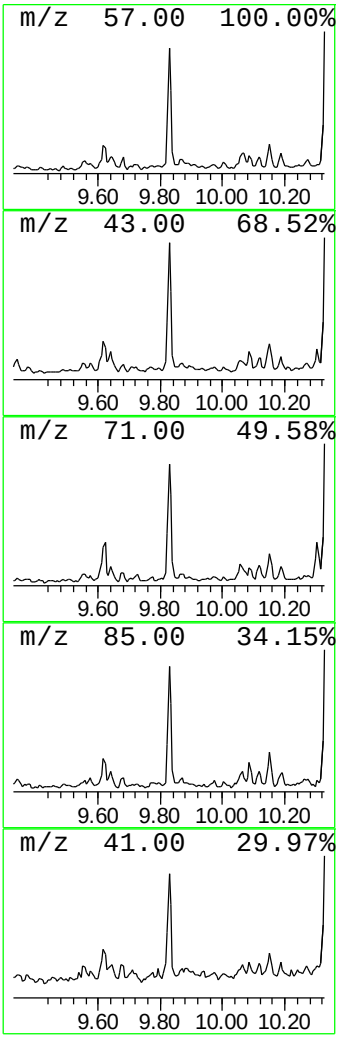
Peak Number 5 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	2.45 ng	140078	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	86
3	Octacosane	394	C28H58	000630-02-4	86
4	Tridecane	184	C13H28	000629-50-5	72
5	Tetradecane	198	C14H30	000629-59-4	72





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Operator : SJ/JU
Sample : J1720-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-49

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
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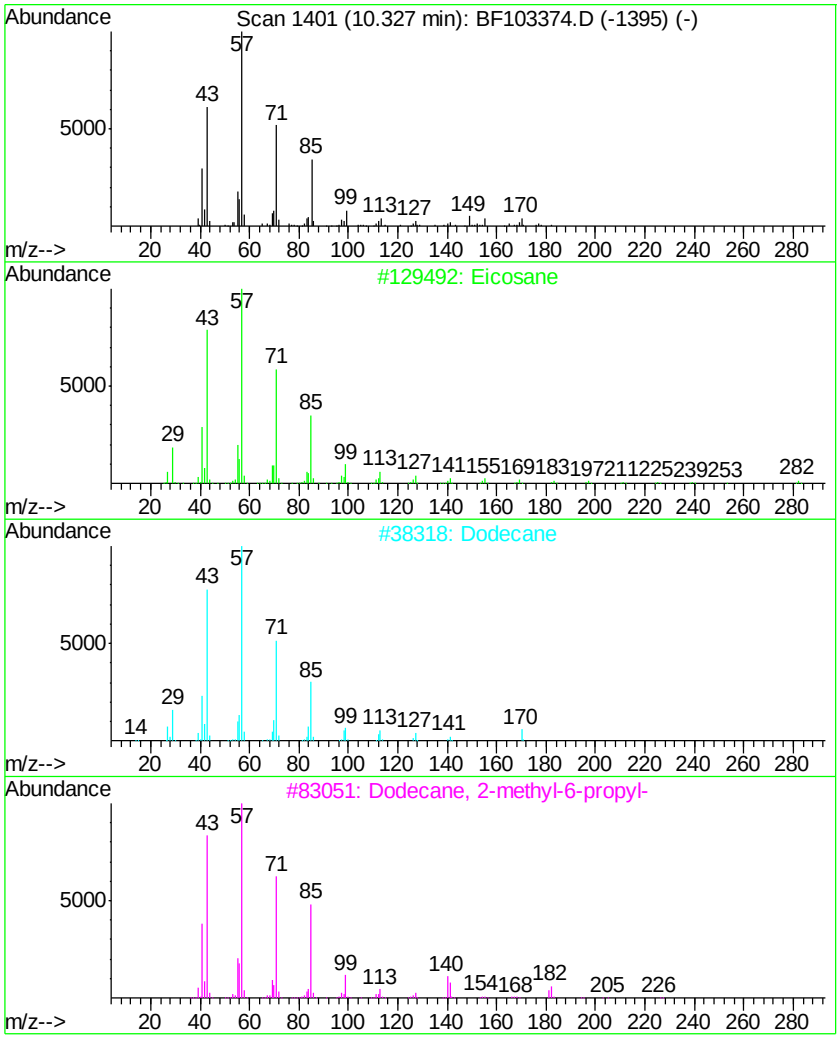
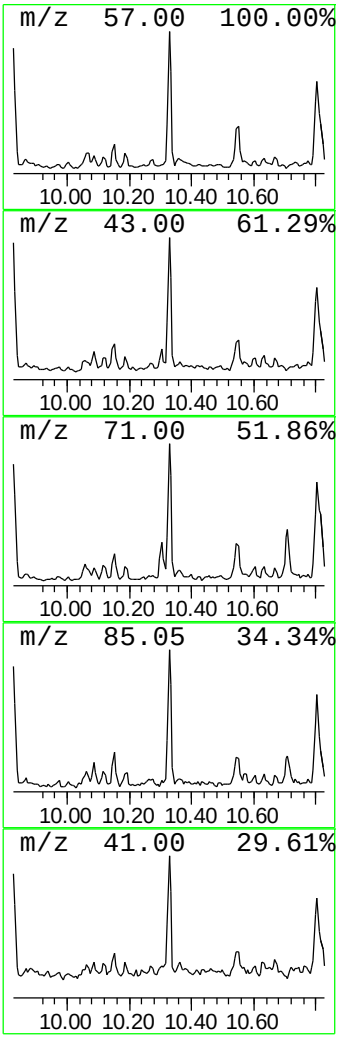
Peak Number 6 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	3.55 ng	203567	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	87
2	Dodecane	170	C12H26	000112-40-3	83
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
4	Hexadecane	226	C16H34	000544-76-3	80
5	Pentadecane	212	C15H32	000629-62-9	64





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
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Sample : J1720-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-49

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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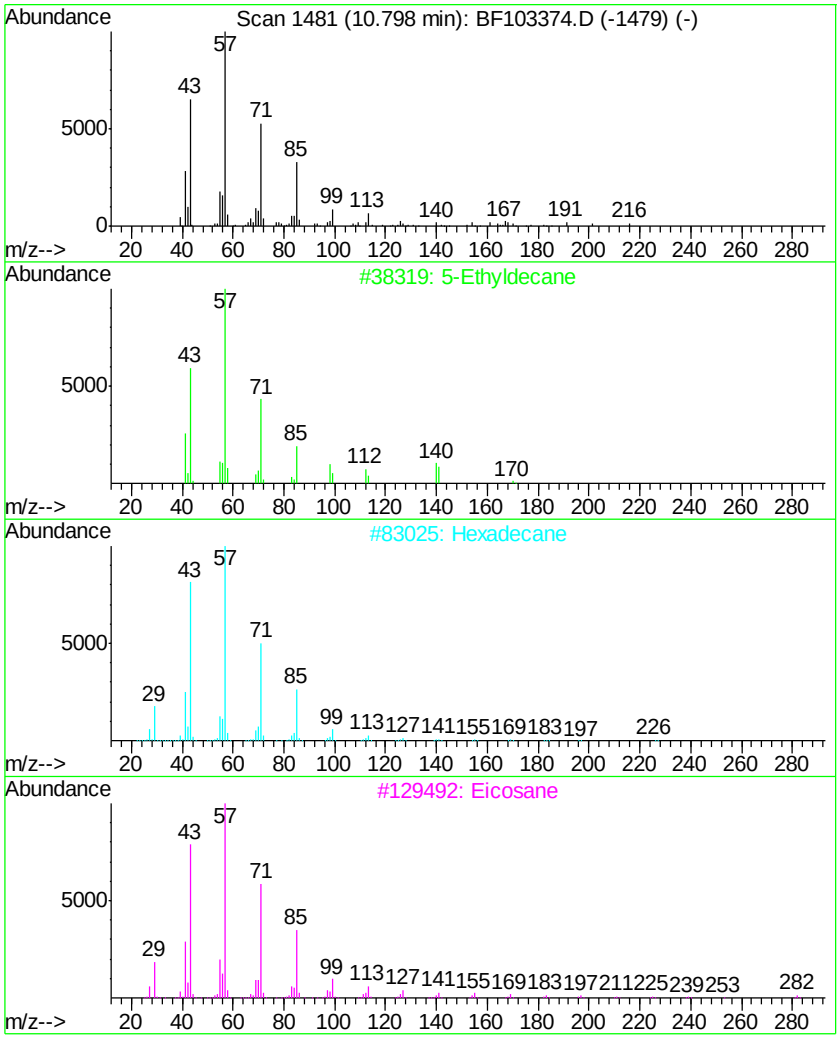
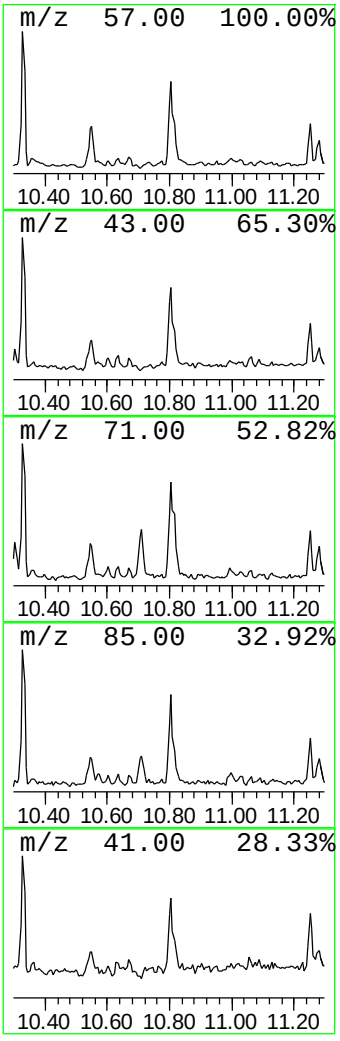
Peak Number 7 5-Ethyldecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	4.34 ng	209947	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethyldecane	170	C12H26	017302-36-2	87
2	Hexadecane	226	C16H34	000544-76-3	86
3	Eicosane	282	C20H42	000112-95-8	86
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	83
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	80





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Acq On : 2 Mar 2018 19:18
Operator : SJ/JU
Sample : J1720-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-49

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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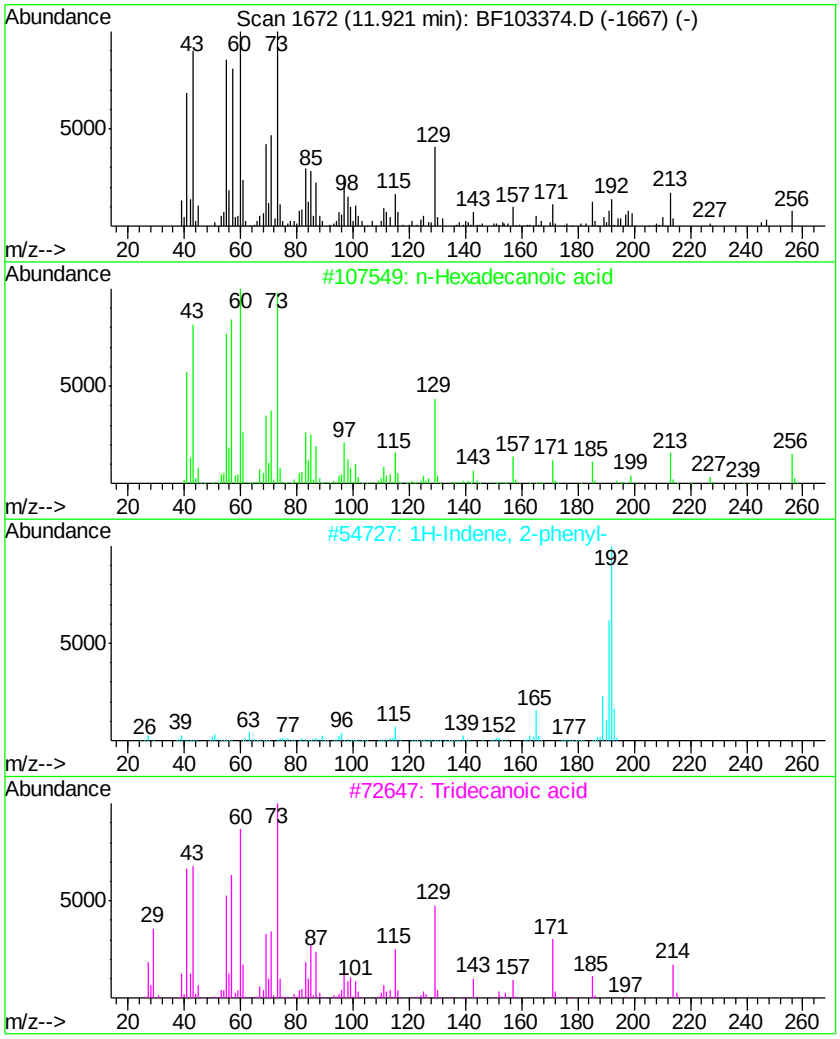
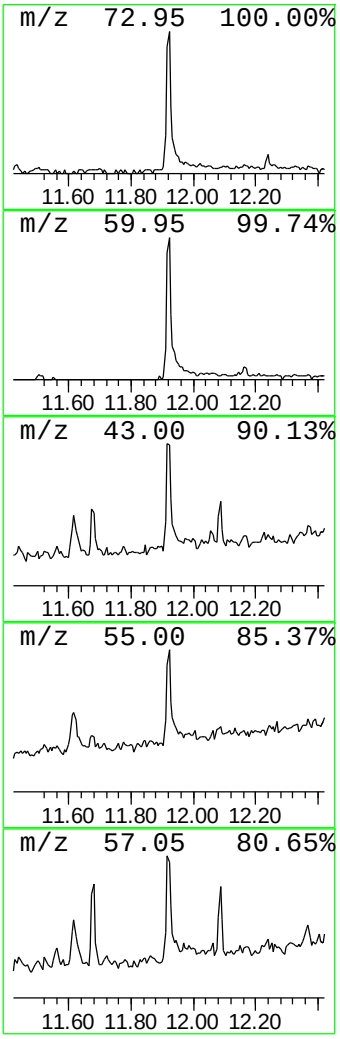
Peak Number 8 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	4.95 ng	239371	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
3	Tridecanoic acid	214	C13H26O2	000638-53-9	64
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	55
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	47





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103374.D
Acq On : 2 Mar 2018 19:18
Operator : SJ/JU
Sample : J1720-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-49

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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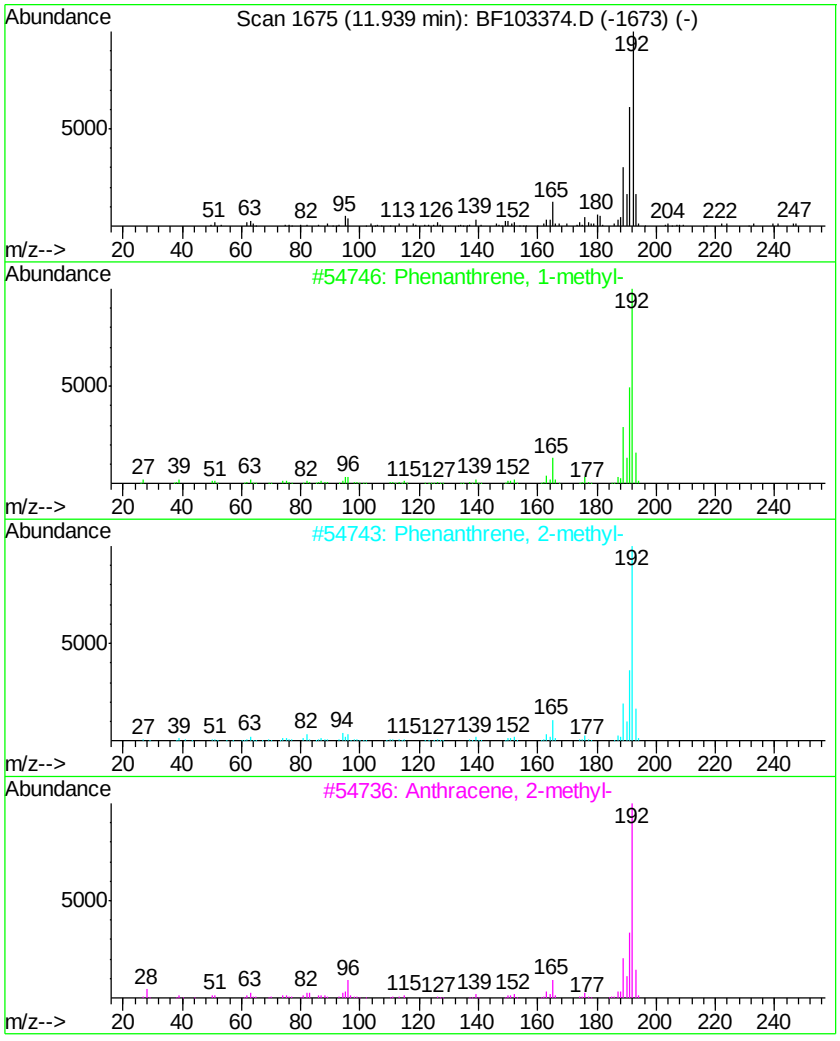
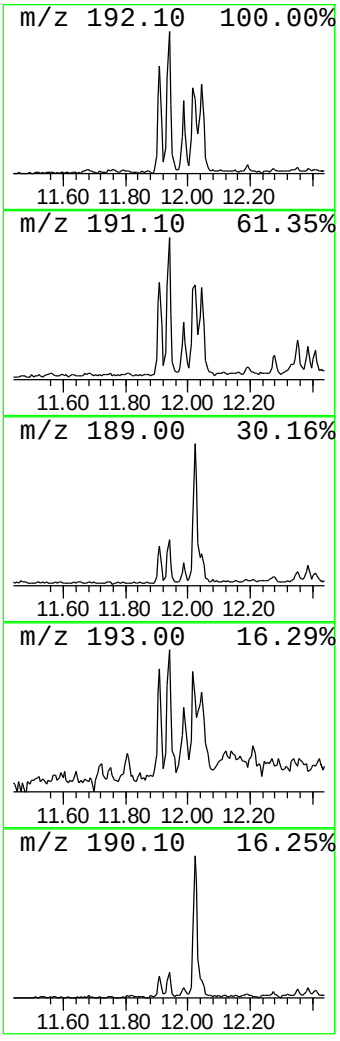
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	2.49 ng	120577	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Data File : BF103374.D
Acq On : 2 Mar 2018 19:18
Operator : SJ/JU
Sample : J1720-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-49

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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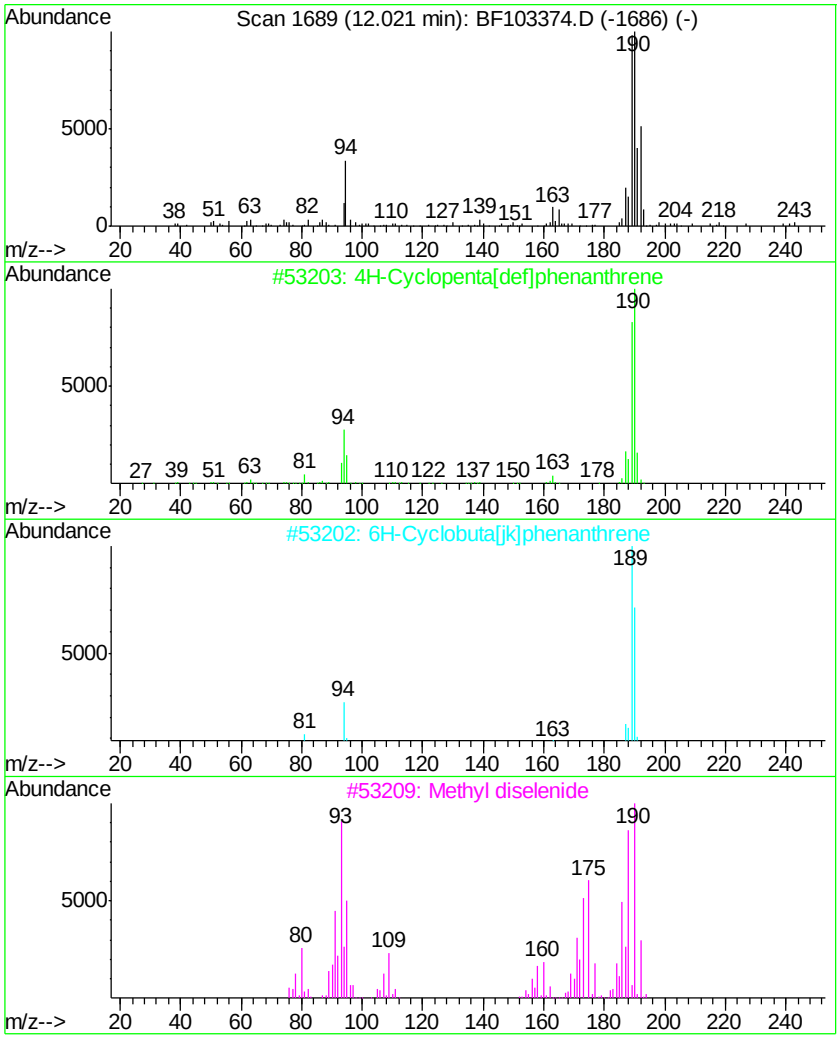
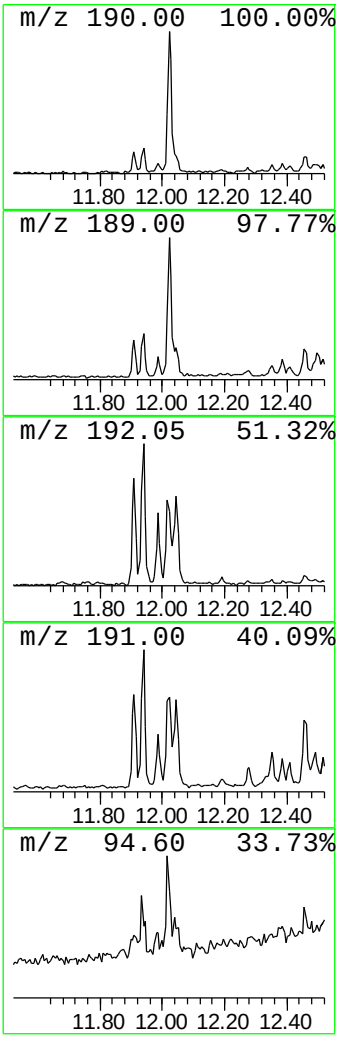
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.67 ng	129262	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	38
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	14
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	11





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Data File : BF103374.D
Acq On : 2 Mar 2018 19:18
Operator : SJ/JU
Sample : J1720-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-49

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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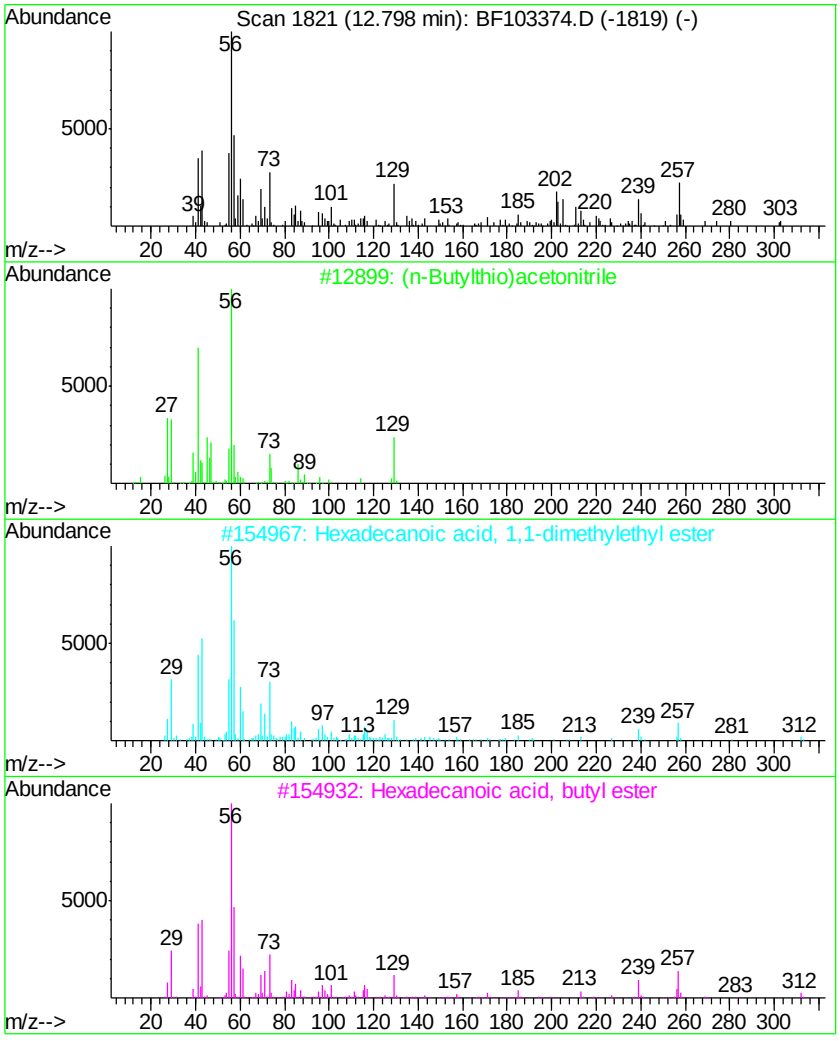
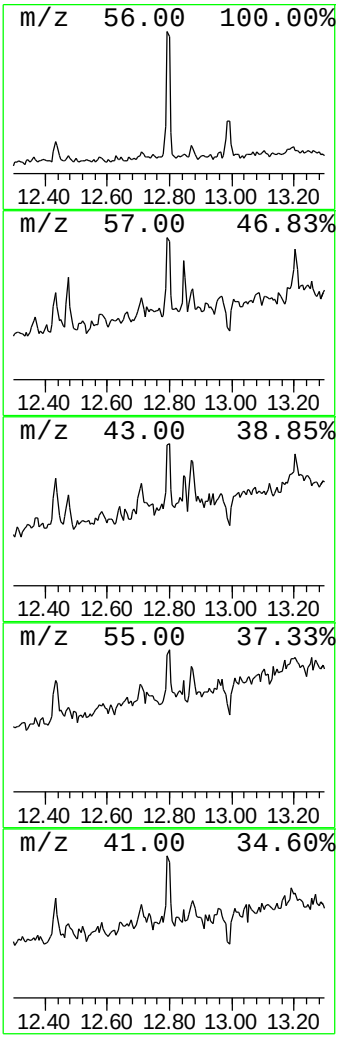
Peak Number 11 unknown12.80 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	2.04 ng	116322	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(n-Butylthio)acetonitrile	129	C6H11NS	071037-08-6	40
2	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	38
3	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	35
4	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	32
5	1,3-Pentanediol, 2,2,4-trimethyl-	146	C8H18O2	000144-19-4	32





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103374.D
Acq On : 2 Mar 2018 19:18
Operator : SJ/JU
Sample : J1720-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-49

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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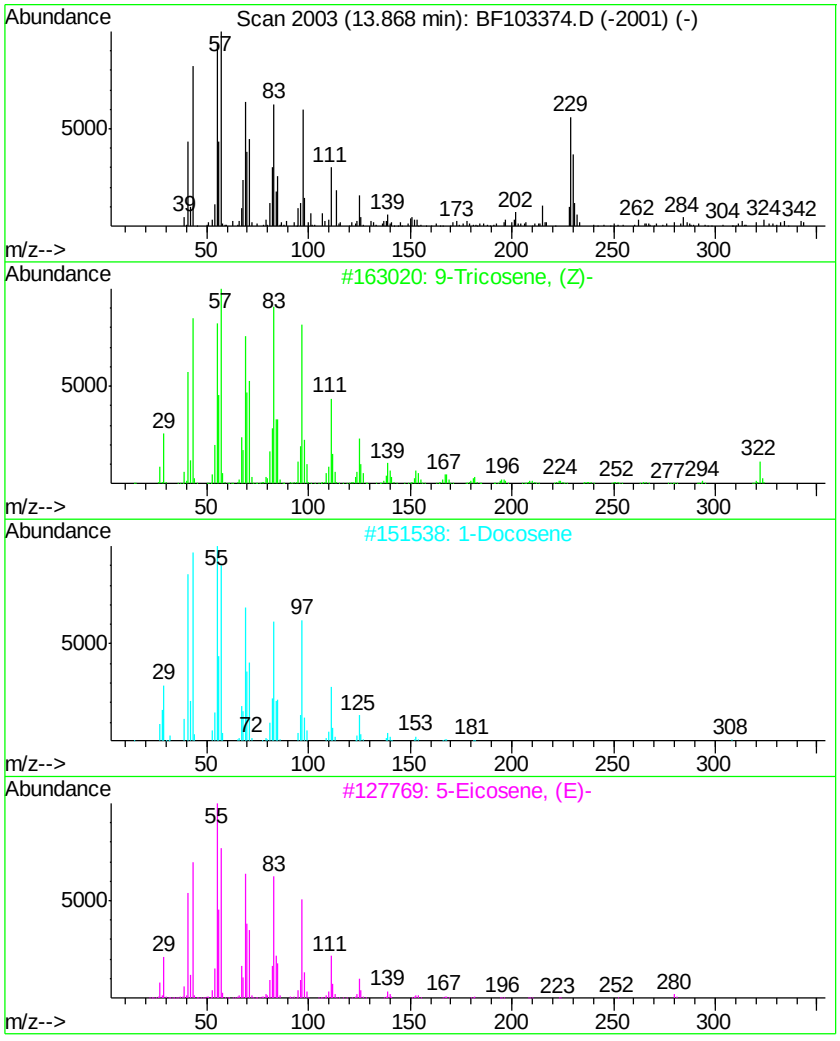
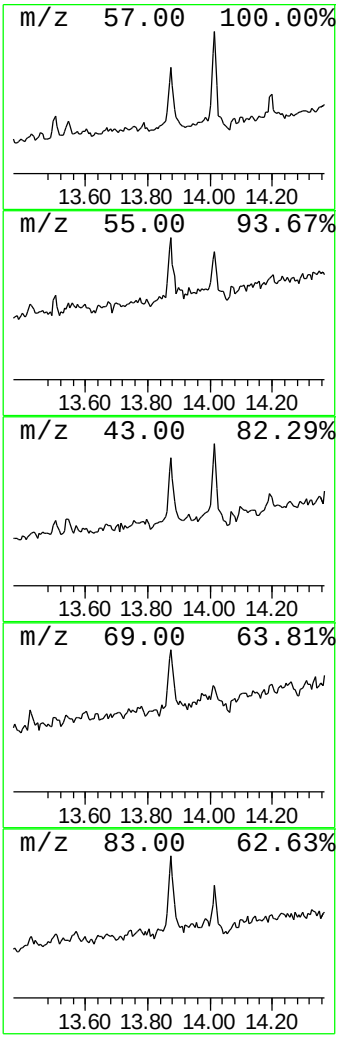
Peak Number 12 9-Tricosene, (Z)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	4.29 ng	244957	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Tricosene, (Z)-	322	C23H46	027519-02-4	70
2	1-Docosene	308	C22H44	001599-67-3	70
3	5-Eicosene, (E)-	280	C20H40	074685-30-6	59
4	1-Tricosene	322	C23H46	018835-32-0	55
5	9-Eicosene, (E)-	280	C20H40	074685-29-3	51





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\Data\BF030218\
Data File : BF103374.D
Acq On : 2 Mar 2018 19:18
Operator : SJ/JU
Sample : J1720-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-49

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
Butane, 2-methoxy...	2.15	8.3	ng	423757	1	6.87	1017910	20.0
2-Pentanone, 4-hy...	5.12	3.0	ng	152698	1	6.87	1017910	20.0
unknown6.65	6.65	74.7	ng	3799500	1	6.87	1017910	20.0
Hexadecane	9.83	2.5	ng	140078	3	9.92	1145260	20.0
Eicosane	10.33	3.5	ng	203567	3	9.92	1145260	20.0
5-Ethyldecane	10.80	4.3	ng	209947	4	11.40	967375	20.0
n-Hexadecanoic acid	11.92	5.0	ng	239371	4	11.40	967375	20.0
Phenanthrene, 1-m...	11.94	2.5	ng	120577	4	11.40	967375	20.0
4H-Cyclopenta[def...	12.02	2.7	ng	129262	4	11.40	967375	20.0
unknown12.80	12.80	2.0	ng	116322	5	14.06	1140760	20.0
9-Tricosene, (Z)-	13.87	4.3	ng	244957	5	14.06	1140760	20.0