LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113522.D
Acq On : 2 Apr 2019 23:09
Operator : JU/SJ
Sample : K2180-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10D

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-BF032519.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	5.275	536	542	544	rBV2	36216	47731	1.29%	0.141%
2	5.310	544	548	564	rVB	3303114	3310557	89.23%	9.801%
3	6.187	693	697	700	rBV	64148	67927	1.83%	0.201%
4	6.292	711	715	717	rBV2	52556	48756	1.31%	0.144%
5	6.345	719	724	727	rBV	3312931	3393259	91.46%	10.046%
6	6.469	740	745	748	rBV	3527333	3487782	94.01%	10.326%
7	6.516	751	753	756	rBV	103377	91615	2.47%	0.271%
8	6.692	779	783	790	rVB	898885	800940	21.59%	2.371%
9	6.851	806	810	813	rBV	2732248	2625389	70.76%	7.773%
10	6.975	828	831	835	rVB	48188	43240	1.17%	0.128%
11	7.016	835	838	840	rBV	66596	52329	1.41%	0.155%
12	7.257	869	879	882	rBV	2366932	2234407	60.22%	6.615%
13	7.469	910	915	917	rBV2	71450	70652	1.90%	0.209%
14	7.492	917	919	924	rVB	61485	54006	1.46%	0.160%
15	7.716	952	957	961	rBV5	45285	77552	2.09%	0.230%
16	7.975	997	1001	1004	rBV	1012109	998203	26.91%	2.955%
17	8.404	1069	1074	1078	rBV	36306	40495	1.09%	0.120%
18	8.445	1078	1081	1092	rBV	100534	197826	5.33%	0.586%
19	8.569	1099	1102	1105	rBV2	57300	50861	1.37%	0.151%
20	9.045	1179	1183	1186	rBV	4093298	3710101	100.00%	10.984%
21	9.133	1193	1198	1203	rBV3	68524	73021	1.97%	0.216%
22	9.439	1246	1250	1255	rBV	350593	317455	8.56%	0.940%
23	9.663	1285	1288	1291	rBV	46545	39099	1.05%	0.116%
24	9.716	1294	1297	1309	rVB	1110276	1028433	27.72%	3.045%
25	10.510	1427	1432	1444	rBV	2135563	2144710	57.81%	6.350%
26	10.645	1449	1455	1461	rVB	53444	86332	2.33%	0.256%
27	11.198	1545	1549	1552	rBV	1023491	871423	23.49%	2.580%
28	11.733	1637	1640	1649	rBV2	177087	214903	5.79%	0.636%
29	12.292	1732	1735	1738	rBV	50082	40352	1.09%	0.119%
30	12.410	1751	1755	1757	rBV	40059	44604	1.20%	0.132%
31	12.516	1768	1773	1780	rBV2	63956	113520	3.06%	0.336%
32	12.663	1795	1798	1800	rBV	59612	46854	1.26%	0.139%
33	12.686	1800	1802	1806	rVB2	58634	45894	1.24%	0.136%
34	12.780	1813	1818	1821	rBV	3224942	2960837	79.80%	8.766%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : TP-10D

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-BF032519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.016	1855	1858	1863	rBV	91760	84908	2.29%	0.251%
36	13.357	1914	1916	1919	rBV	115619	87464	2.36%	0.259%
37	13.686	1969	1972	1976	rBV	174320	181613	4.90%	0.538%
38	13.827	1992	1996	2002	rBV	964543	944377	25.45%	2.796%
39	13.998	2022	2025	2029	rBV	261181	236123	6.36%	0.699%
40	14.304	2074	2077	2081	rBV	358987	306665	8.27%	0.908%
41	14.598	2124	2127	2131	rBV	447012	407042	10.97%	1.205%
42	14.910	2176	2180	2185	rVB	438299	451299	12.16%	1.336%
43	15.233	2231	2235	2238	rBV	628292	912334	24.59%	2.701%
44	15.651	2302	2306	2312	rBV	260754	376815	10.16%	1.116%
45	16.109	2379	2384	2395	rVB	183748	356339	9.60%	1.055%

Sum of corrected areas: 33776044

LSC Report - Integrated Chromatogram

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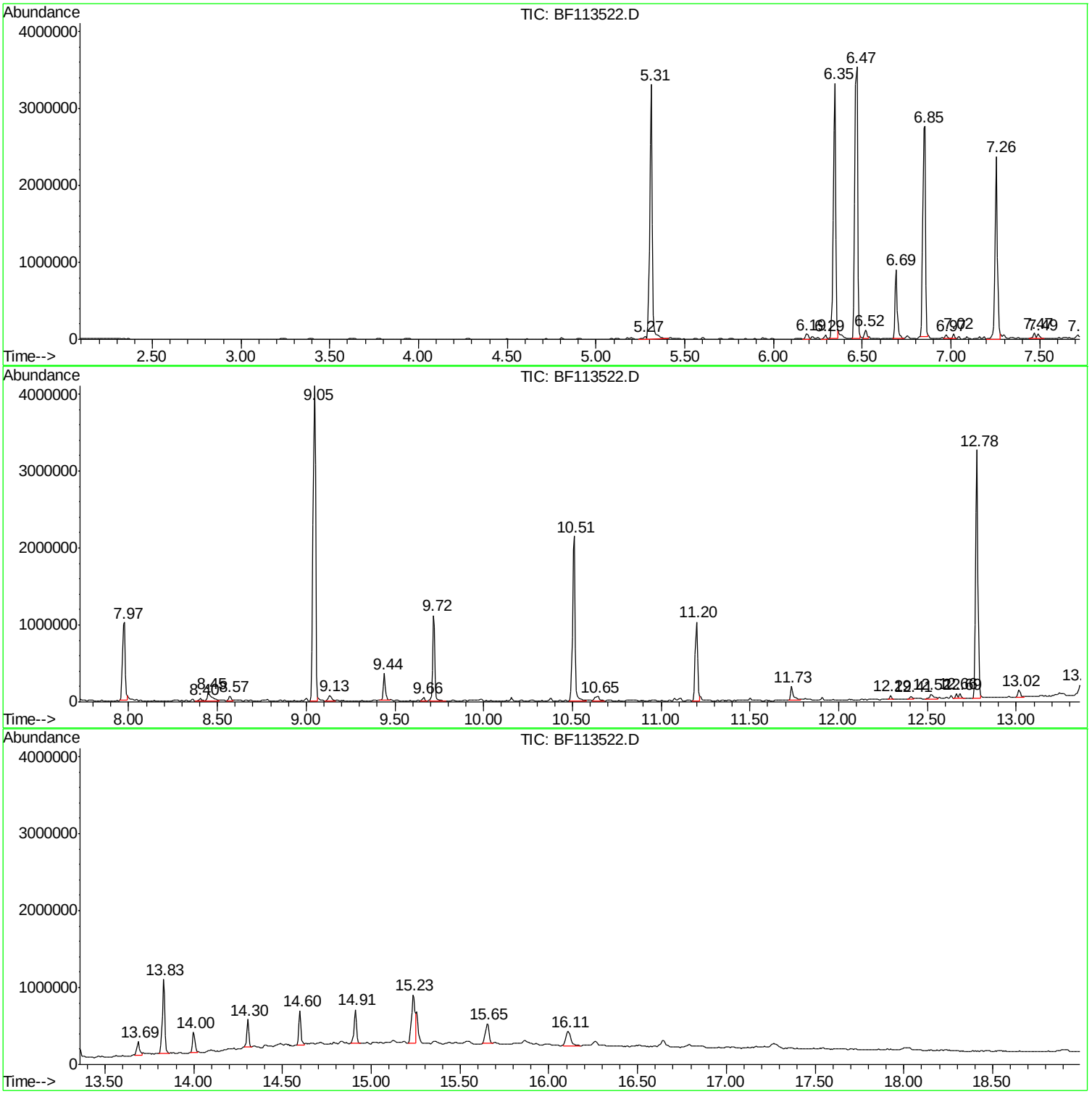
Data File : BF113522.D
Acq On : 2 Apr 2019 23:09
Operator : JU/SJ
Sample : K2180-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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\BF040219\
Data File : BF113522.D
Acq On : 2 Apr 2019 23:09
Operator : JU/SJ
Sample : K2180-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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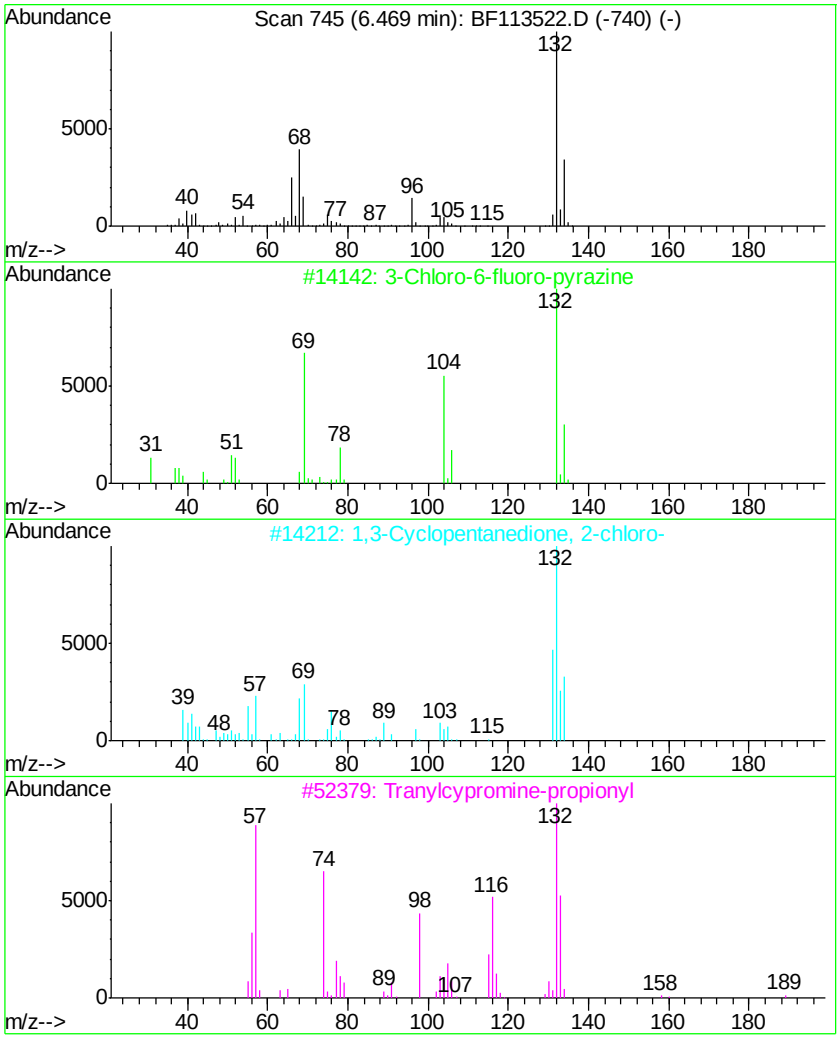
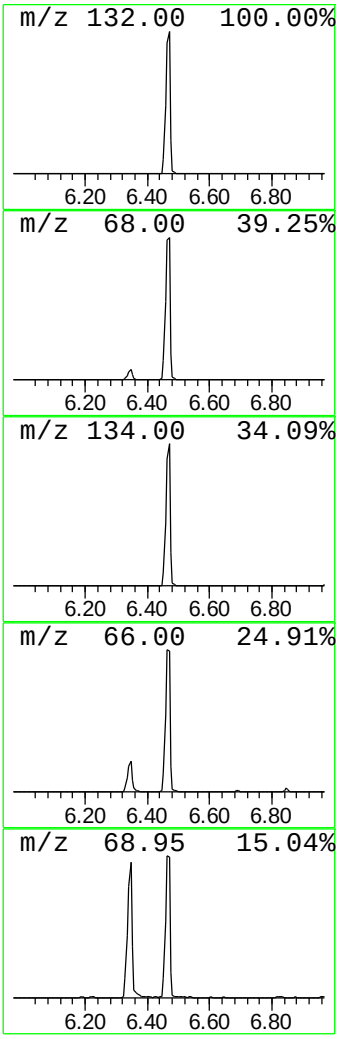
Peak Number 1 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	87.09 ng	3487780	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





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Sample : K2180-23
Misc :
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Instrument : BNA_F
ClientSampleId : TP-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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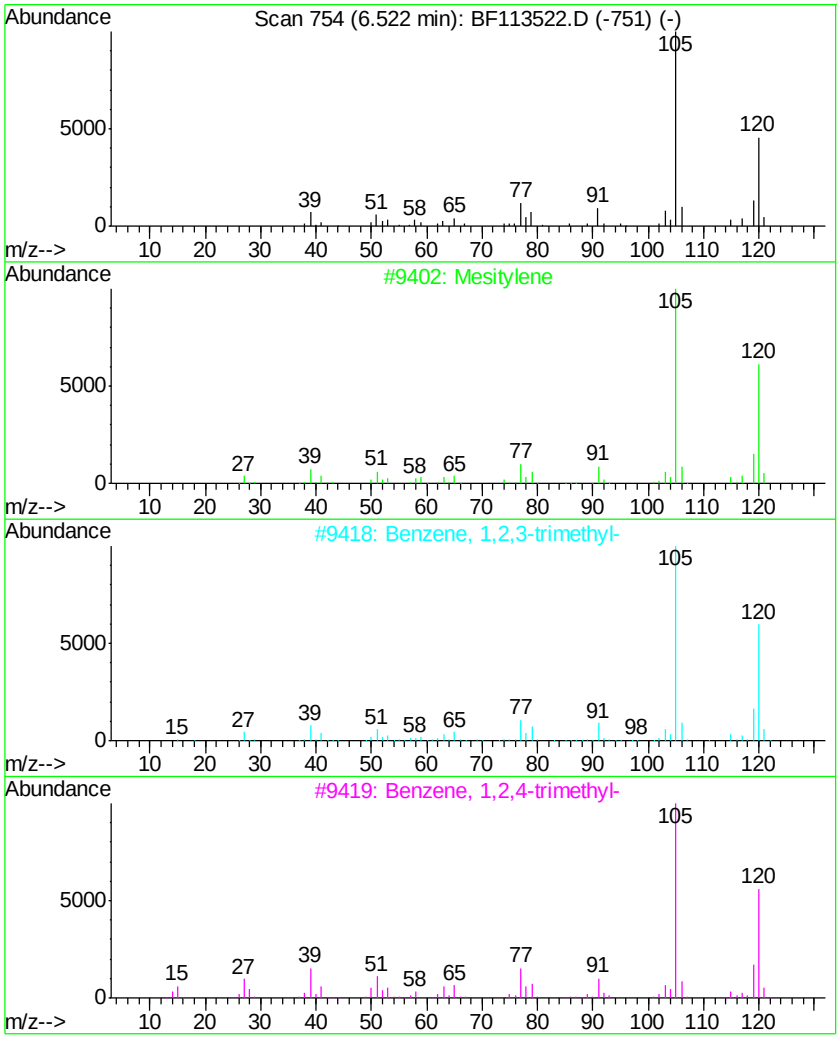
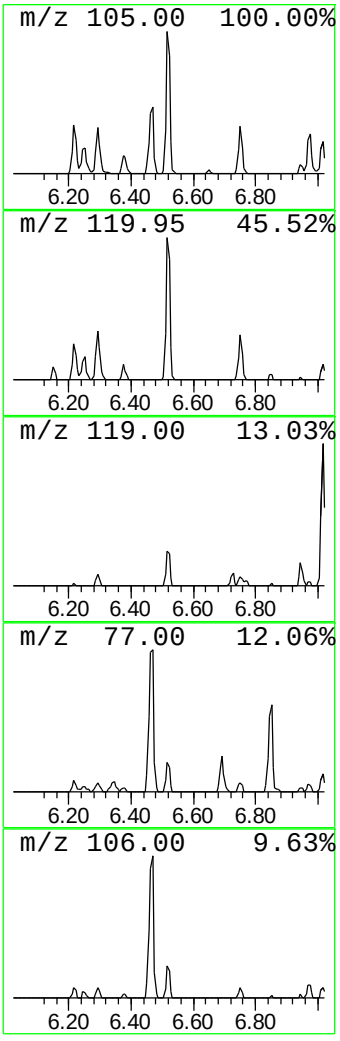
Peak Number 2 Mesitylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	2.29 ng	91615	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





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Acq On : 2 Apr 2019 23:09
Operator : JU/SJ
Sample : K2180-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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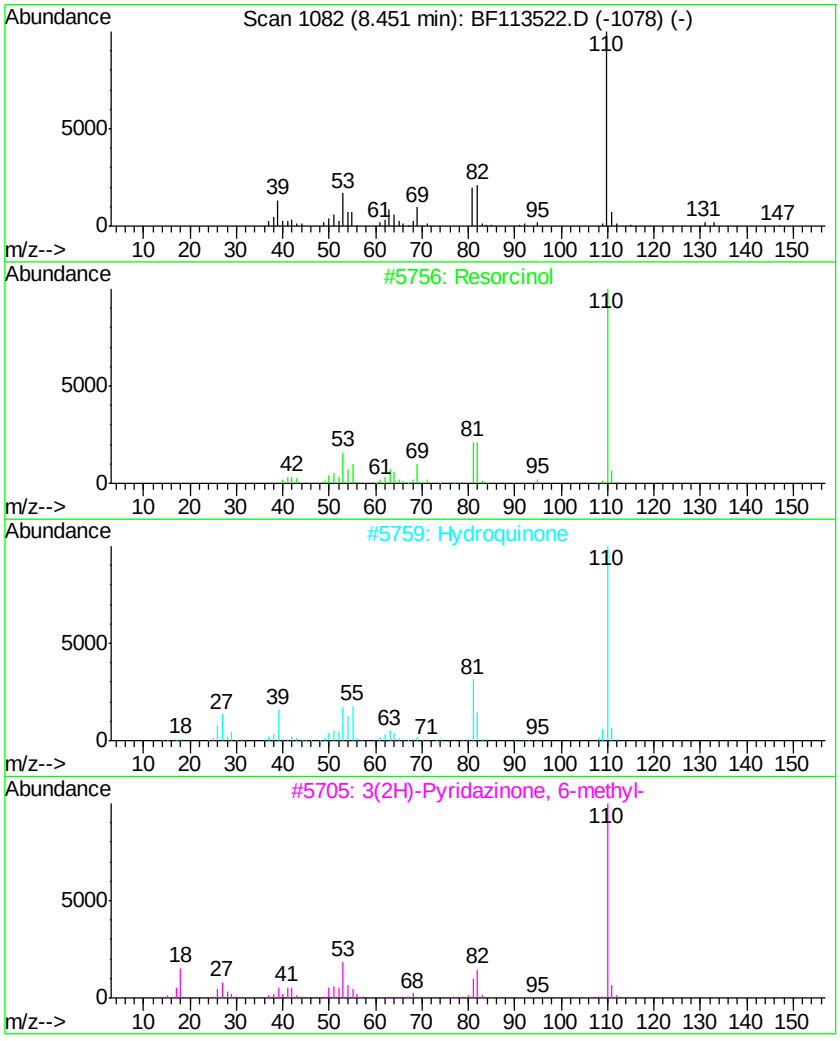
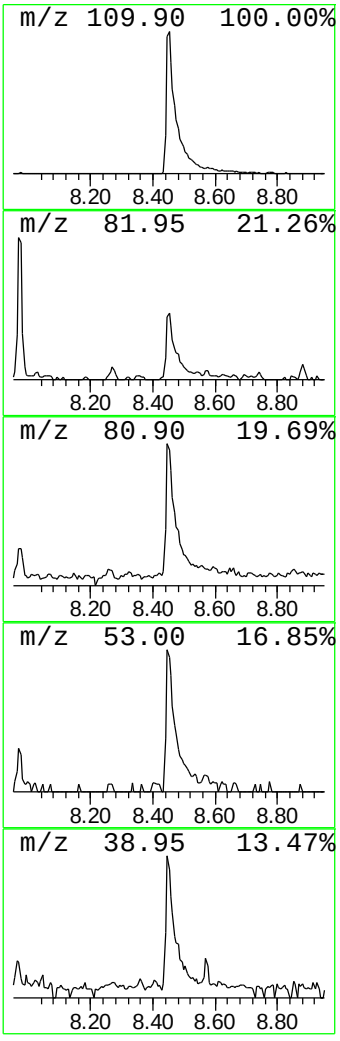
Peak Number 4 Resorcinol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	3.96 ng	197826	Naphthalene-d8	7.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Resorcinol	110	C6H6O2	000108-46-3	95
2	Hydroquinone	110	C6H6O2	000123-31-9	80
3	3(2H)-Pyridazinone, 6-methyl-	110	C5H6N2O	013327-27-0	72
4	2-Amino-3-hydroxypyridine	110	C5H6N2O	016867-03-1	64
5	Phenol, 4-ethoxy-	138	C8H10O2	000622-62-8	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
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Instrument : BNA_F
ClientSampleId : TP-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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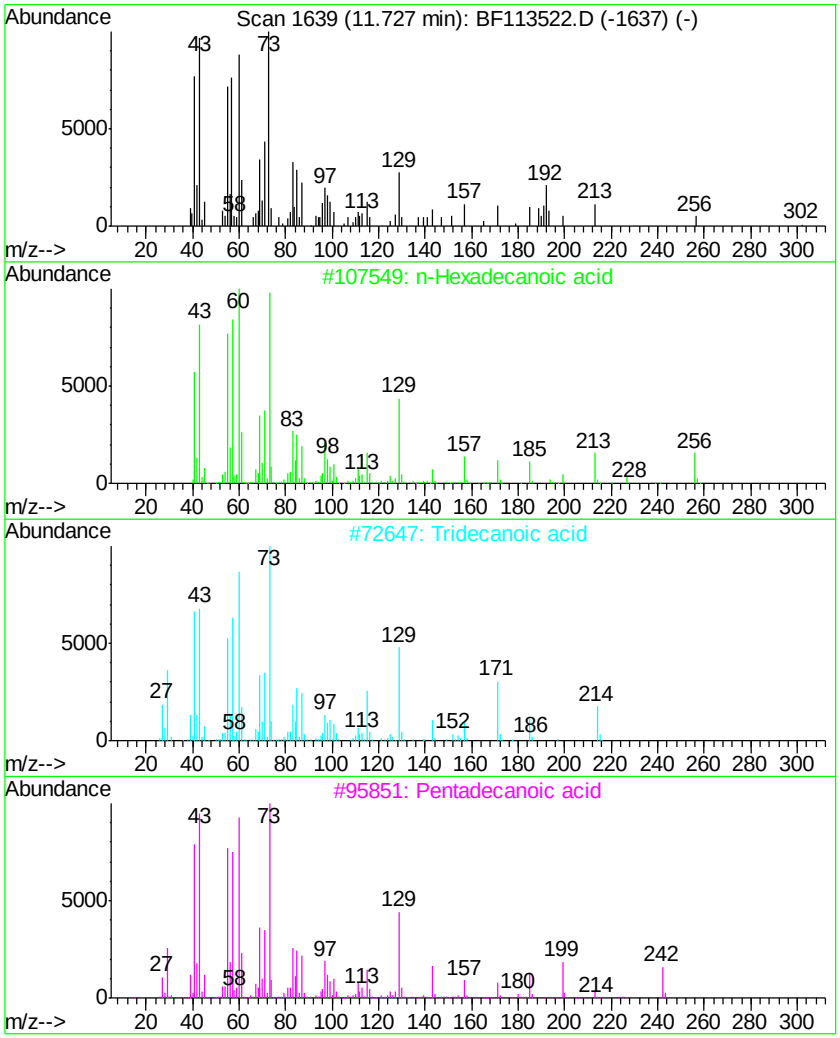
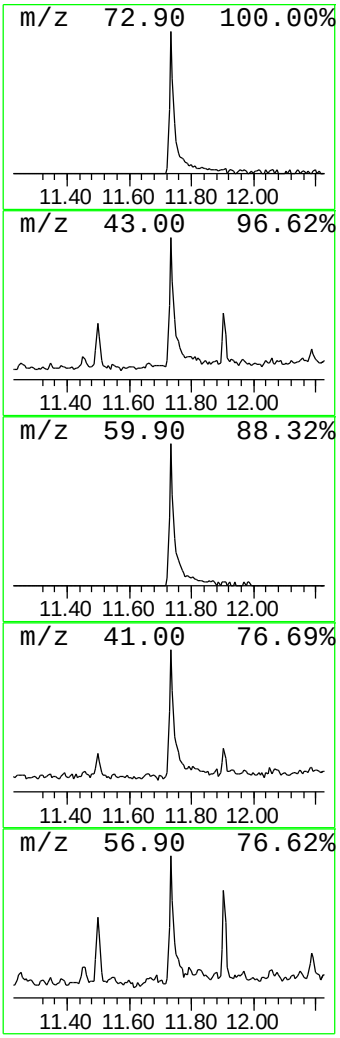
Peak Number 5 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	4.93 ng	214903	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	11





Library Search Compound Report

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Operator : JU/SJ
Sample : K2180-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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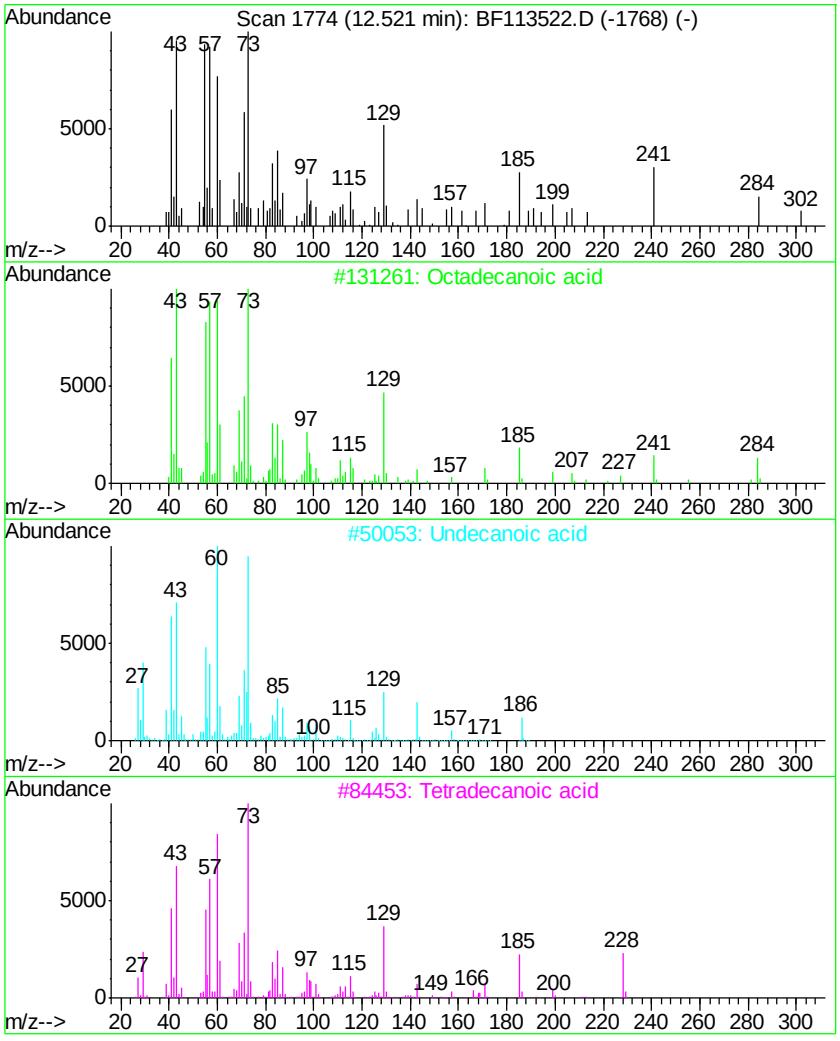
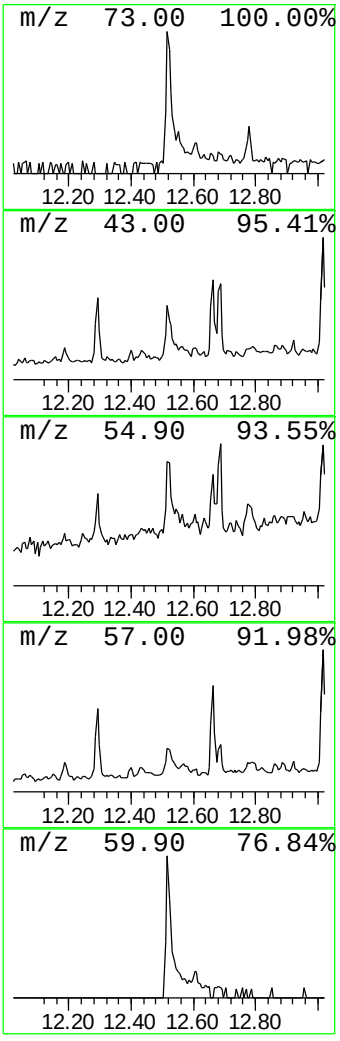
Peak Number 6 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.40 ng	113520	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Undecanoic acid	186	C11H22O2	000112-37-8	87
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	74
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	68





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Operator : JU/SJ
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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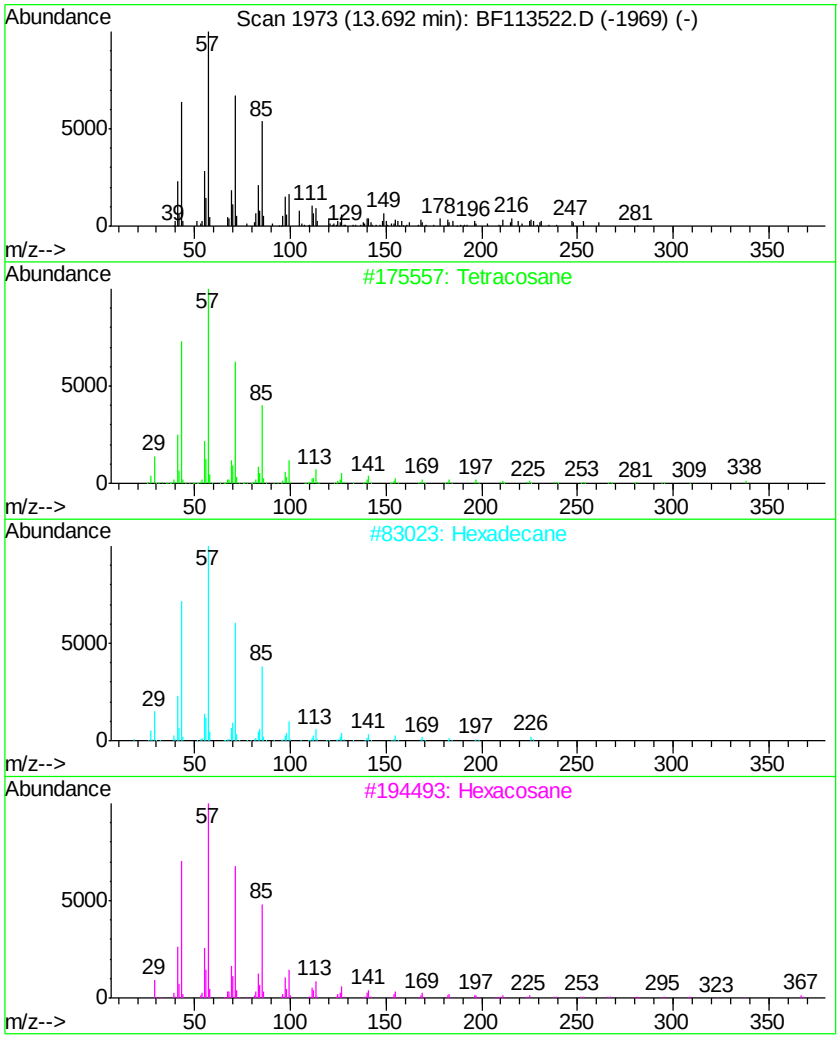
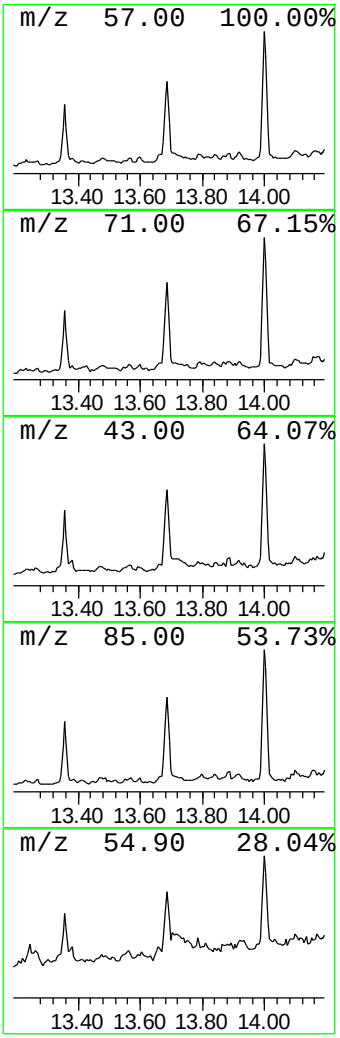
Peak Number 7 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	3.85 ng	181613	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Hexacosane	366	C26H54	000630-01-3	90
4	Octacosane	394	C28H58	000630-02-4	90
5	Heneicosane	296	C21H44	000629-94-7	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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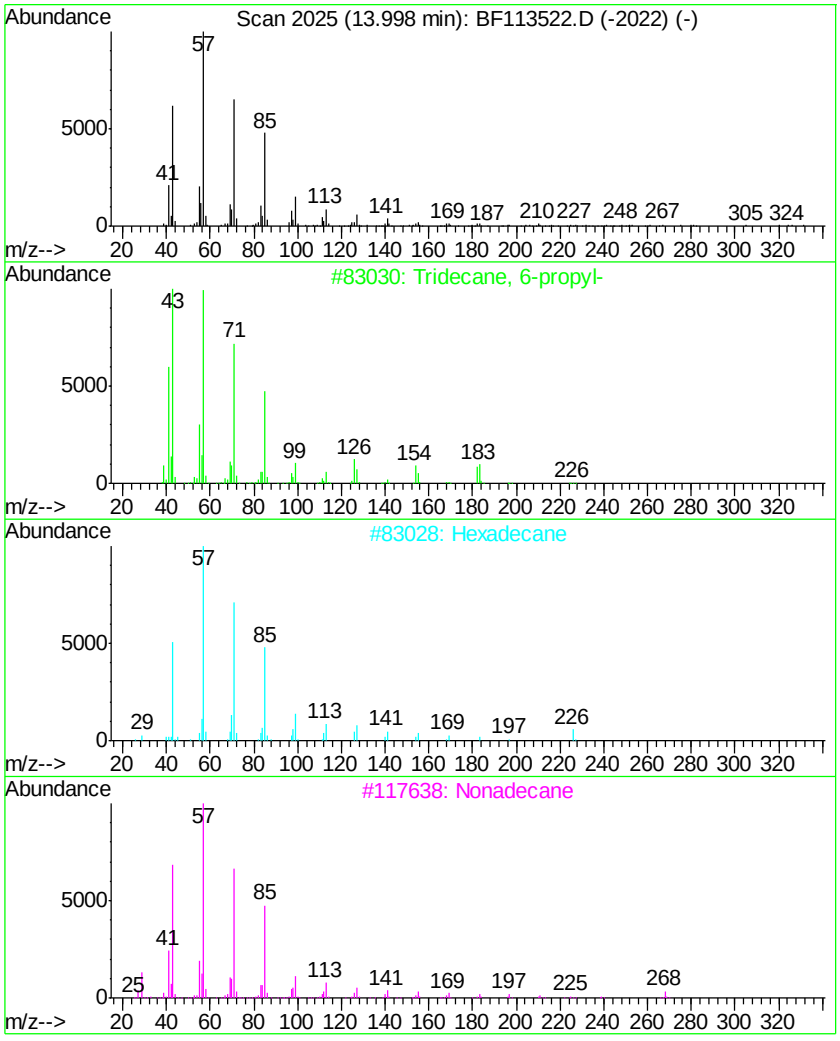
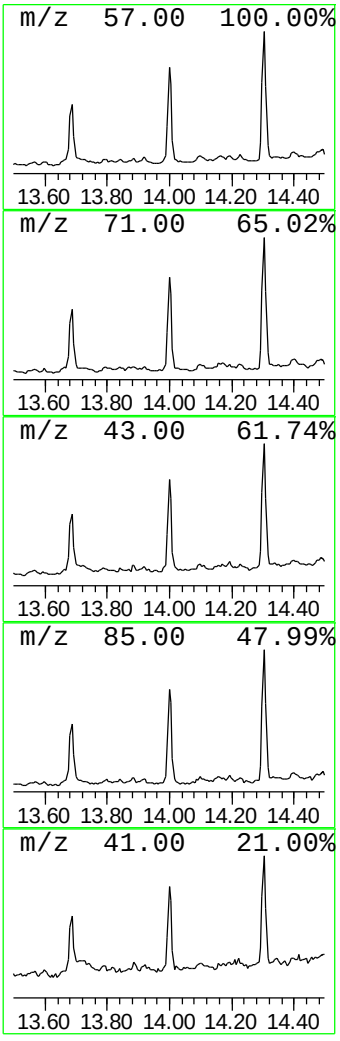
Peak Number 8 Tridecane, 6-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	5.00 ng	236123	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-propyl-	226	C16H34	055045-10-8	91
2	Hexadecane	226	C16H34	000544-76-3	87
3	Nonadecane	268	C19H40	000629-92-5	87
4	Tetracosane	338	C24H50	000646-31-1	86
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
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Sample : K2180-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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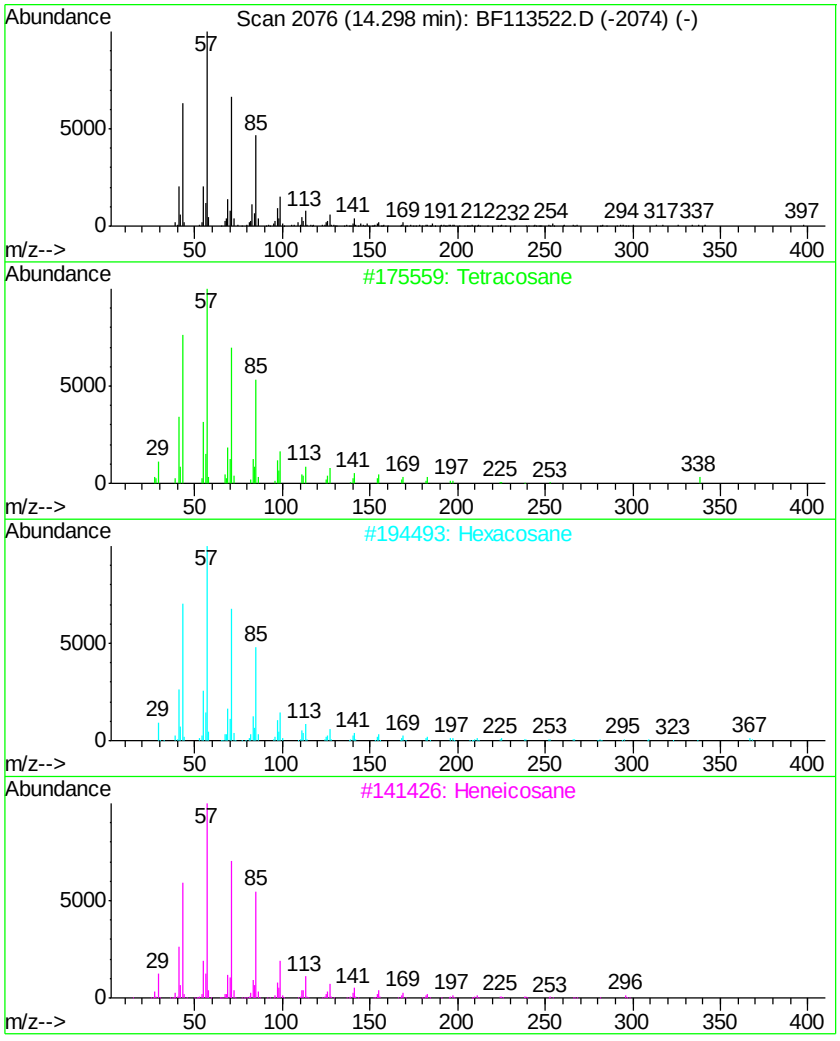
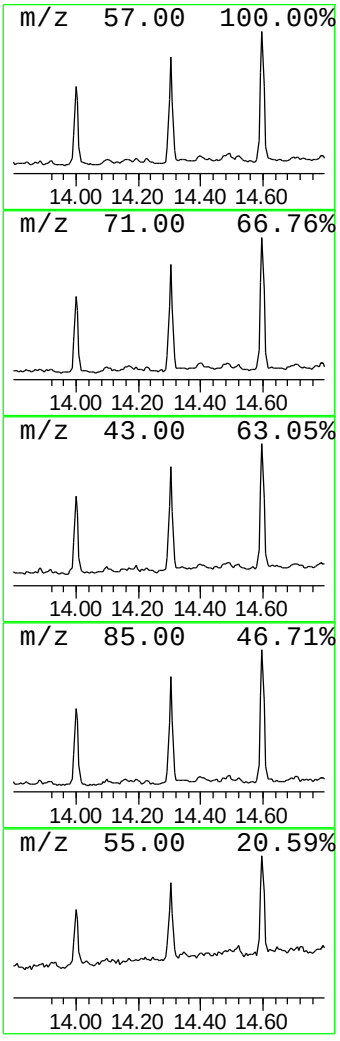
Peak Number 9 Hexatriacontane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	6.49 ng	306665	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Heneicosane	296	C21H44	000629-94-7	90
4	Nonadecane	268	C19H40	000629-92-5	87
5	Hexatriacontane	507	C36H74	000630-06-8	83





Library Search Compound Report

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Data File : BF113522.D
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10D

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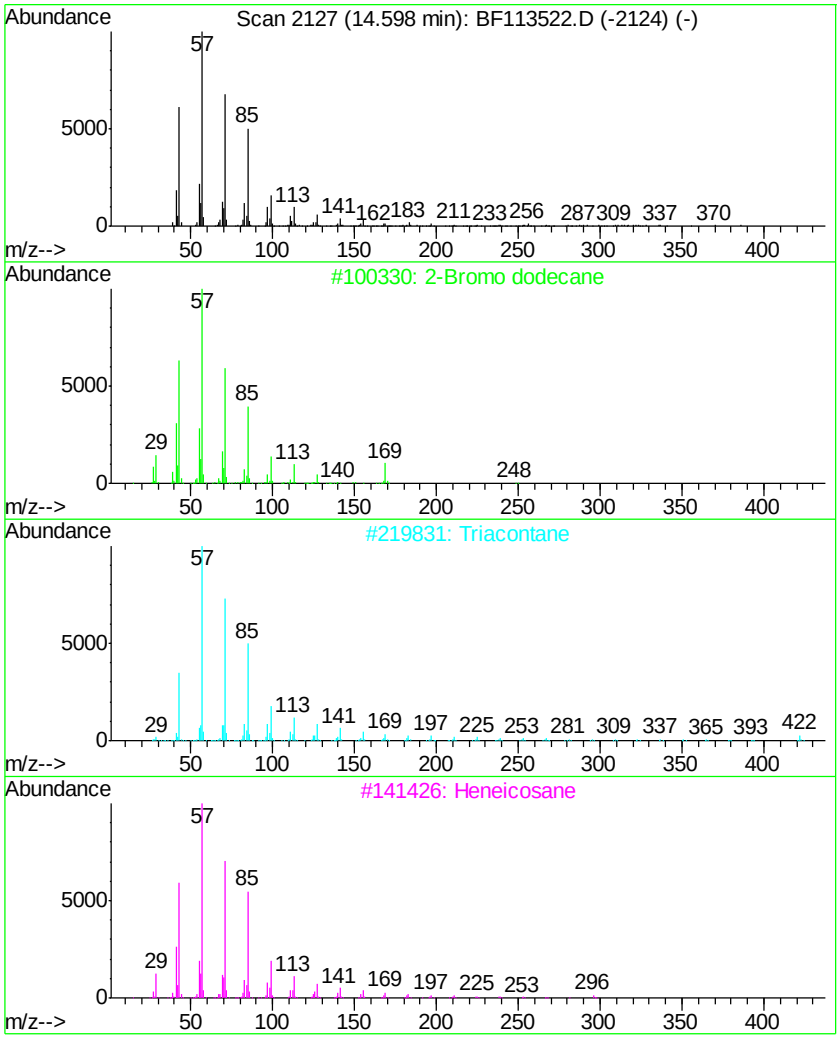
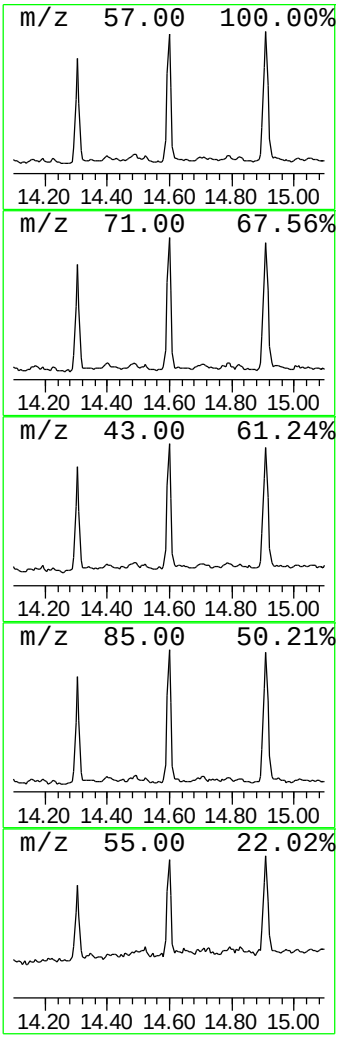
Peak Number 10 2-Bromo dodecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	8.92 ng	407042	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
2	Triacontane	422	C30H62	000638-68-6	91
3	Heneicosane	296	C21H44	000629-94-7	90
4	Heptadecane	240	C17H36	000629-78-7	87
5	Heptacosane	380	C27H56	000593-49-7	83





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Acq On : 2 Apr 2019 23:09
Operator : JU/SJ
Sample : K2180-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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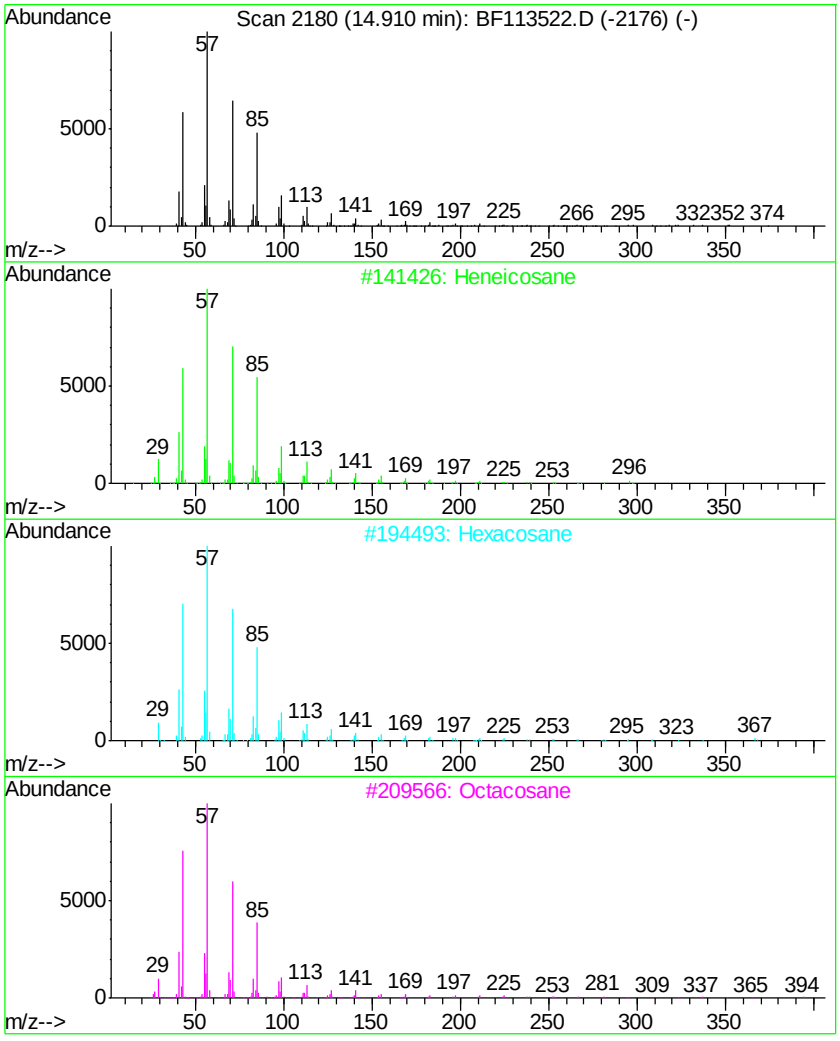
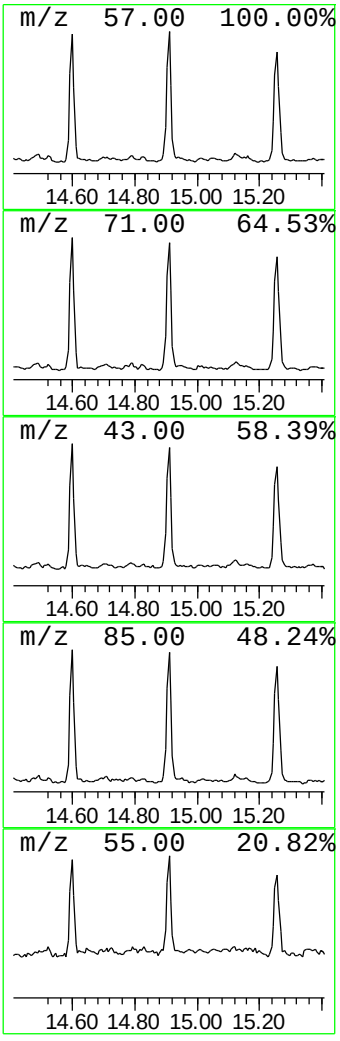
Peak Number 11 Heneicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	9.89 ng	451299	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90
5	Docosane	310	C22H46	000629-97-0	87





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Operator : JU/SJ
Sample : K2180-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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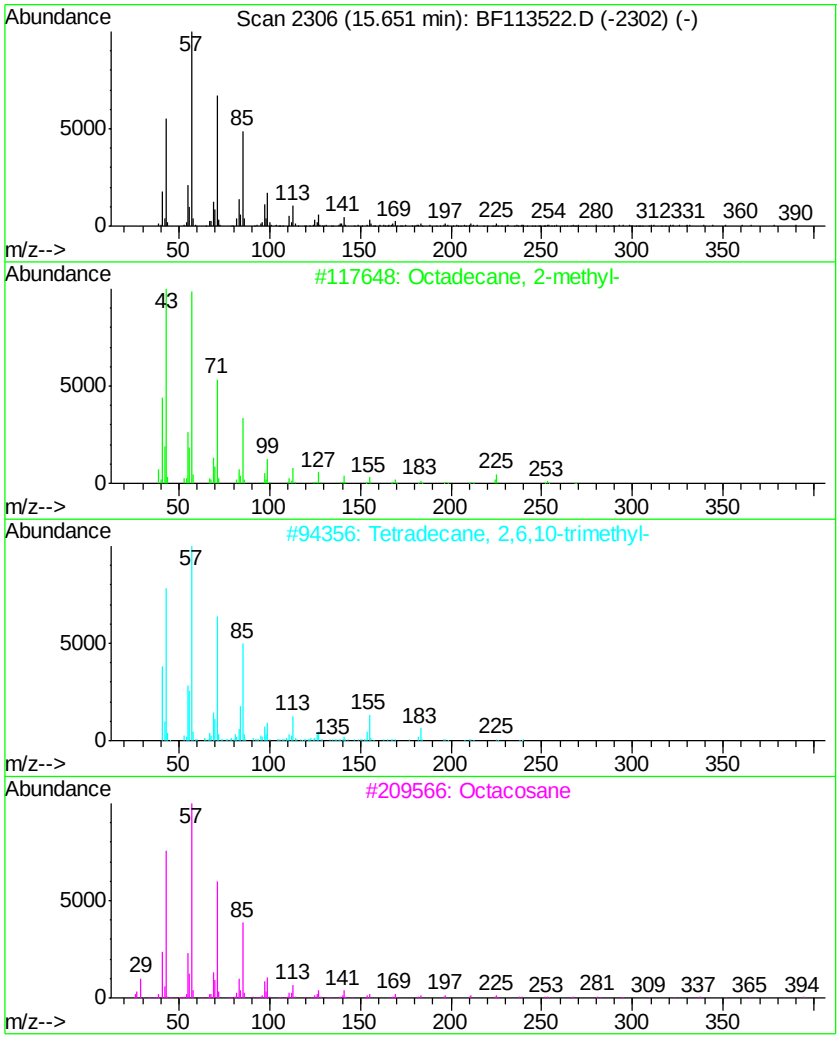
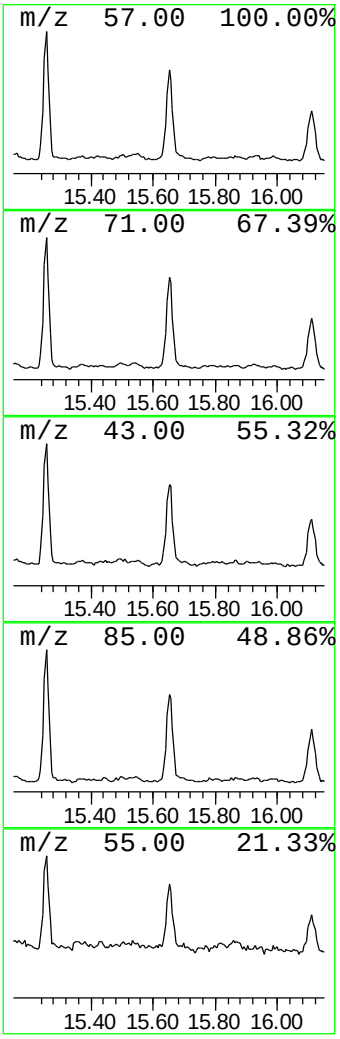
Peak Number 12 Octadecane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	8.26 ng	376815	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	93
3	Octacosane	394	C28H58	000630-02-4	91
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
5	Heneicosane	296	C21H44	000629-94-7	90





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Data File : BF113522.D
Acq On : 2 Apr 2019 23:09
Operator : JU/SJ
Sample : K2180-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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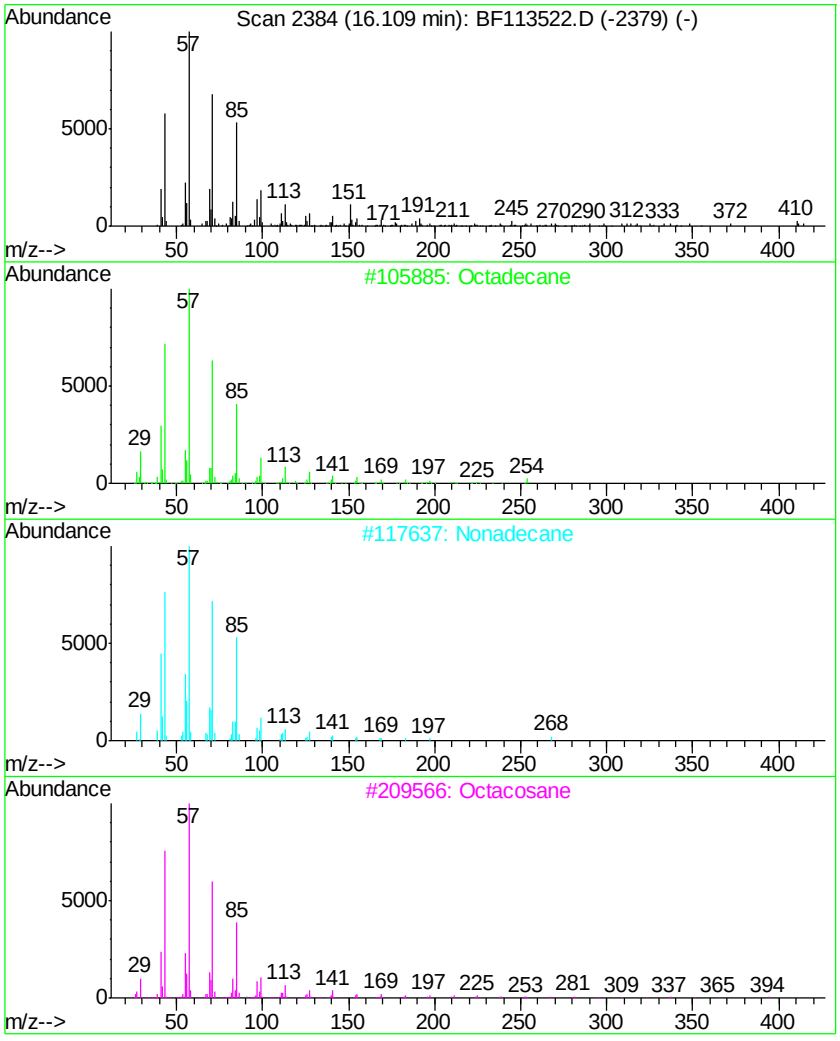
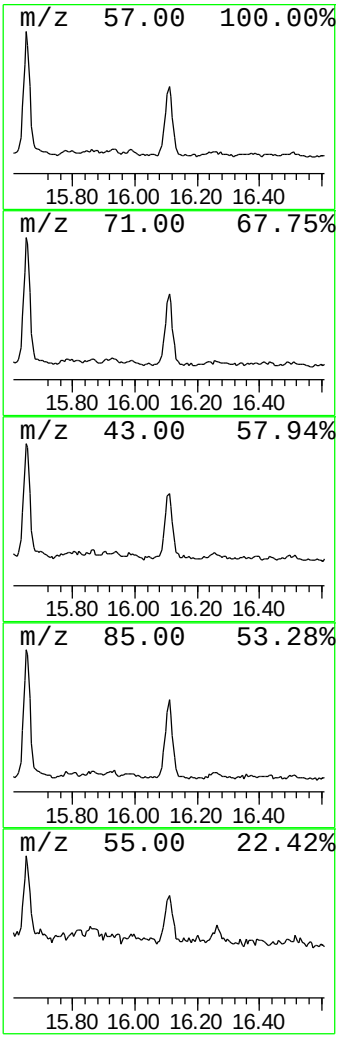
Peak Number 13 Octadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	7.81 ng	356339	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	93
2	Nonadecane	268	C19H40	000629-92-5	87
3	Octacosane	394	C28H58	000630-02-4	83
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83
5	Heneicosane	296	C21H44	000629-94-7	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113522.D
Acq On : 2 Apr 2019 23:09
Operator : JU/SJ
Sample : K2180-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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
unknown6.47	6.47	87.1	ng	3487780	1	6.69	800940	20.0
Mesitylene	6.52	2.3	ng	91615	1	6.69	800940	20.0
Resorcinol	8.45	4.0	ng	197826	2	7.97	998203	20.0
n-Hexadecanoic acid	11.73	4.9	ng	214903	4	11.20	871423	20.0
Octadecanoic acid	12.52	2.4	ng	113520	5	13.83	944377	20.0
Hexadecane	13.69	3.9	ng	181613	5	13.83	944377	20.0
Tridecane, 6-propyl-	14.00	5.0	ng	236123	5	13.83	944377	20.0
Hexatriacontane	14.30	6.5	ng	306665	5	13.83	944377	20.0
2-Bromo dodecane	14.60	8.9	ng	407042	6	15.23	912334	20.0
Heneicosane	14.91	9.9	ng	451299	6	15.23	912334	20.0
Octadecane, 2-met...	15.65	8.3	ng	376815	6	15.23	912334	20.0
Octadecane	16.11	7.8	ng	356339	6	15.23	912334	20.0