LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109439.D
Acq On : 28 Sep 2018 19:25
Operator : JU/SJ
Sample : J5118-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-092518-USTEXC-NW-L-063

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-BF092218.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	4.899	475	478	489	rVB	42110	52848	3.75%	0.341%
2	5.322	546	550	559	rBV	1500136	1374119	97.63%	8.873%
3	6.351	720	725	740	rBV	1382854	1407501	100.00%	9.088%
4	6.481	743	747	750	rBV	1632872	1390610	98.80%	8.979%
5	6.710	782	786	795	rBV	677516	544274	38.67%	3.514%
6	6.863	809	812	816	rBV	1179590	1074595	76.35%	6.939%
7	7.269	877	881	884	rBV	930975	768832	54.62%	4.964%
8	7.992	1000	1004	1007	rBV	675347	586258	41.65%	3.786%
9	9.063	1182	1186	1198	rBV	1454743	1253061	89.03%	8.091%
10	9.157	1198	1202	1207	rBV3	20781	21974	1.56%	0.142%
11	9.328	1224	1231	1236	rBV	19491	31341	2.23%	0.202%
12	9.404	1240	1244	1246	rBV	24459	25302	1.80%	0.163%
13	9.457	1250	1253	1256	rBV	176654	142330	10.11%	0.919%
14	9.686	1289	1292	1296	rVB	22806	19087	1.36%	0.123%
15	9.739	1296	1301	1305	rBV2	679959	580391	41.24%	3.748%
16	9.845	1316	1319	1324	rVB2	20695	26599	1.89%	0.172%
17	9.945	1332	1336	1339	rBV	39899	35094	2.49%	0.227%
18	9.986	1339	1343	1345	rVV	23655	20714	1.47%	0.134%
19	10.010	1345	1347	1351	rVB3	17064	15780	1.12%	0.102%
20	10.057	1352	1355	1358	rVB	18442	15902	1.13%	0.103%
21	10.151	1366	1371	1374	rBV2	51714	56298	4.00%	0.364%
22	10.181	1374	1376	1379	rVB	26415	21076	1.50%	0.136%
23	10.351	1400	1405	1407	rVV3	19137	21409	1.52%	0.138%
24	10.404	1411	1414	1417	rVV	70718	68123	4.84%	0.440%
25	10.451	1417	1422	1425	rVB4	16757	28963	2.06%	0.187%
26	10.522	1430	1434	1439	rBV	811976	763047	54.21%	4.927%
27	10.669	1453	1459	1464	rVB2	101856	131139	9.32%	0.847%
28	10.728	1466	1469	1472	rBV3	19919	20653	1.47%	0.133%
29	10.980	1508	1512	1517	rVB7	15660	26671	1.89%	0.172%
30	11.098	1530	1532	1535	rBV	34352	34690	2.46%	0.224%
31	11.133	1535	1538	1542	rVB	81165	80596	5.73%	0.520%
32	11.216	1549	1552	1555	rBV	692993	597640	42.46%	3.859%
33	11.239	1555	1556	1559	rVV	113873	70484	5.01%	0.455%
34	11.292	1563	1565	1568	rVB	22141	18218	1.29%	0.118%

LSC Area Percent Report

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Acq On : 28 Sep 2018 19:25
Operator : JU/SJ
Sample : J5118-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-092518-USTEXC-NW-L-063

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.333	1568	1572	1575	rBV5	16499	23660	1.68%	0.153%
36	11.445	1588	1591	1594	rBV2	17109	22280	1.58%	0.144%
37	11.480	1594	1597	1601	rVB2	22618	22602	1.61%	0.146%
38	11.527	1602	1605	1607	rBV	22758	20610	1.46%	0.133%
39	11.575	1611	1613	1619	rVB4	15173	18716	1.33%	0.121%
40	11.627	1620	1622	1628	rVB5	11141	16642	1.18%	0.107%
41	11.680	1628	1631	1634	rBV5	16601	19478	1.38%	0.126%
42	11.722	1634	1638	1640	rBV	23598	27446	1.95%	0.177%
43	11.751	1640	1643	1647	rBV2	75311	81595	5.80%	0.527%
44	11.827	1653	1656	1658	rBV	31687	30549	2.17%	0.197%
45	11.851	1658	1660	1665	rVB3	21220	22190	1.58%	0.143%
46	11.933	1671	1674	1675	rBV2	18787	15693	1.11%	0.101%
47	12.033	1689	1691	1695	rVB4	14844	16896	1.20%	0.109%
48	12.216	1720	1722	1727	rVB5	19139	18106	1.29%	0.117%
49	12.269	1728	1731	1734	rVV	28332	33391	2.37%	0.216%
50	12.322	1738	1740	1742	rVV2	25527	21576	1.53%	0.139%
51	12.351	1742	1745	1749	rVB4	15935	19120	1.36%	0.123%
52	12.422	1754	1757	1761	rBV	159338	151059	10.73%	0.975%
53	12.539	1774	1777	1779	rBV3	15458	17158	1.22%	0.111%
54	12.651	1791	1796	1799	rBV	134446	123447	8.77%	0.797%
55	12.798	1817	1821	1825	rBV	1358490	1158566	82.31%	7.481%
56	12.980	1850	1852	1855	rVB	27705	23686	1.68%	0.153%
57	13.045	1860	1863	1866	rVV2	42200	41531	2.95%	0.268%
58	13.386	1918	1921	1926	rVB2	40366	46950	3.34%	0.303%
59	13.710	1974	1976	1984	rVB	92237	112344	7.98%	0.725%
60	13.845	1995	1999	2002	rBV	622925	587130	41.71%	3.791%
61	14.027	2028	2030	2034	rVB2	61212	47915	3.40%	0.309%
62	14.327	2079	2081	2084	rBV	79236	61824	4.39%	0.399%
63	14.621	2129	2131	2134	rBV	120329	111381	7.91%	0.719%
64	14.692	2140	2143	2149	rVB	234142	228587	16.24%	1.476%
65	14.939	2182	2185	2192	rVB	173863	208231	14.79%	1.345%
66	15.251	2234	2238	2241	rBV	329911	374228	26.59%	2.416%
67	15.292	2242	2245	2248	rVB	191992	209460	14.88%	1.353%
68	15.692	2310	2313	2318	rVB	172906	227104	16.14%	1.466%

Sum of corrected areas: 15486770

LSC Report - Integrated Chromatogram

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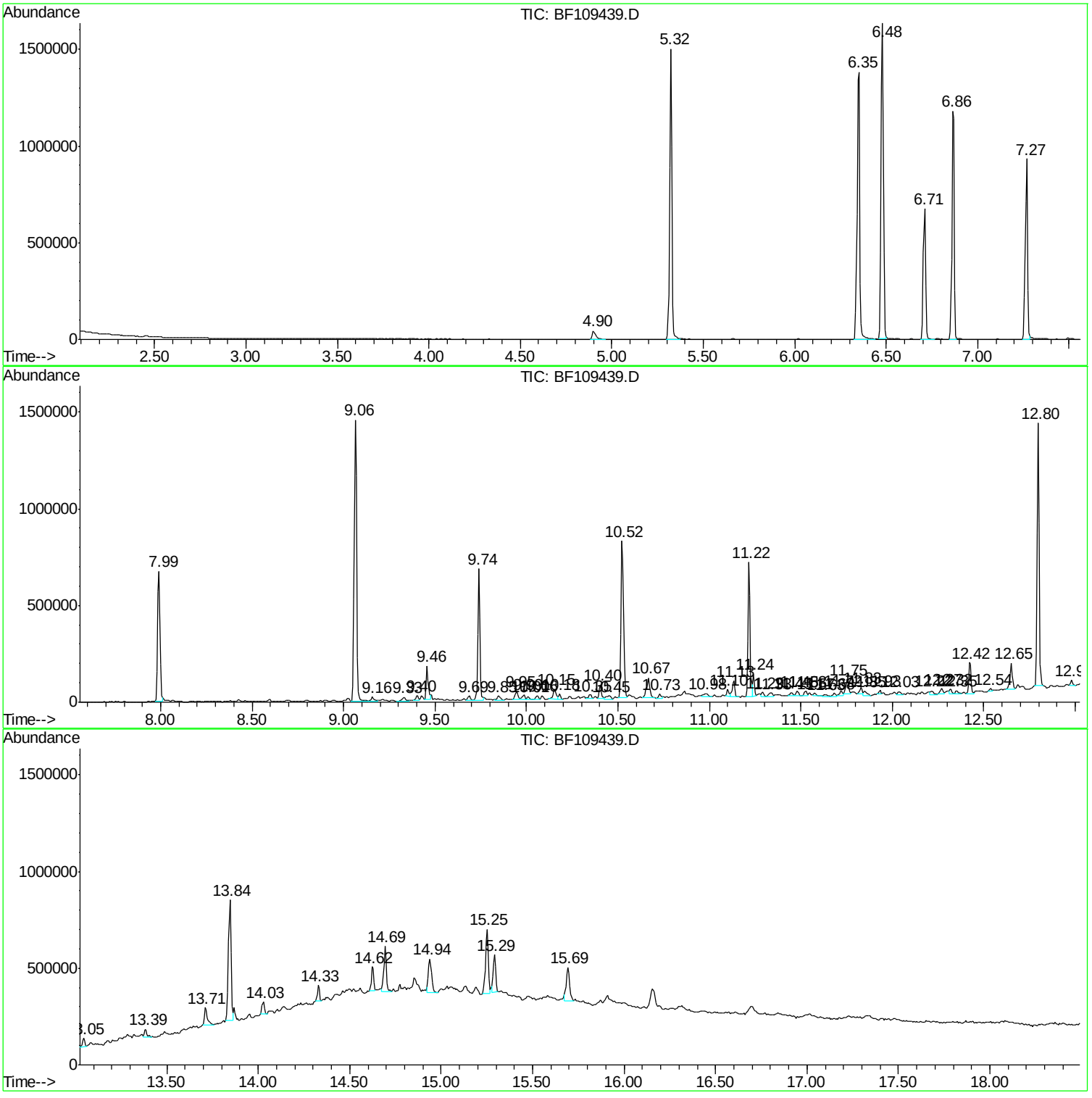
Acq On : 28 Sep 2018 19:25
Operator : JU/SJ
Sample : J5118-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-092518-USTEXC-NW-L-063

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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 : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109439.D
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BNA_F
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RA-092518-USTEXC-NW-L-063

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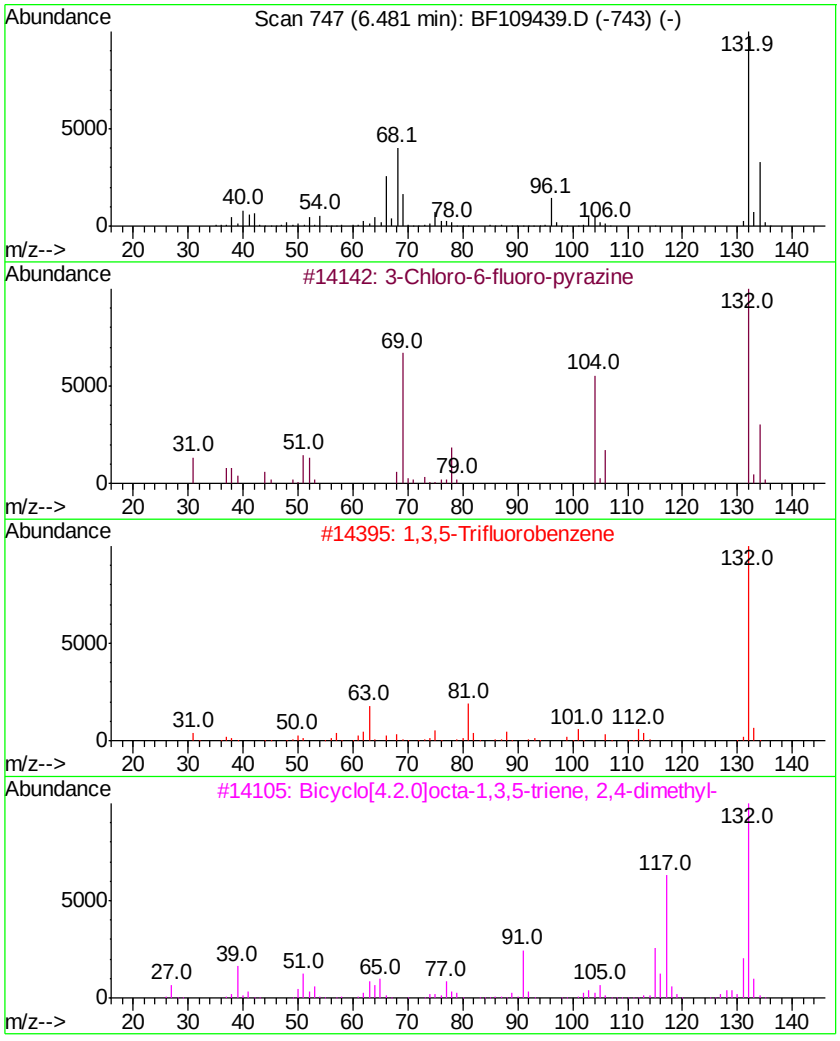
TIC Integration Parameters: LSCINT.P

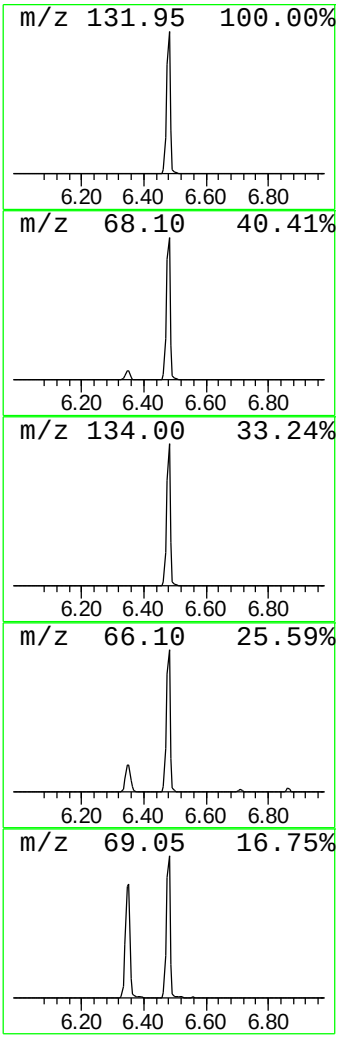
****

Peak Number 1 unknown6.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	51.10 ng	1390610	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109439.D
Acq On : 28 Sep 2018 19:25
Operator : JU/SJ
Sample : J5118-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-092518-USTEXC-NW-L-063

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

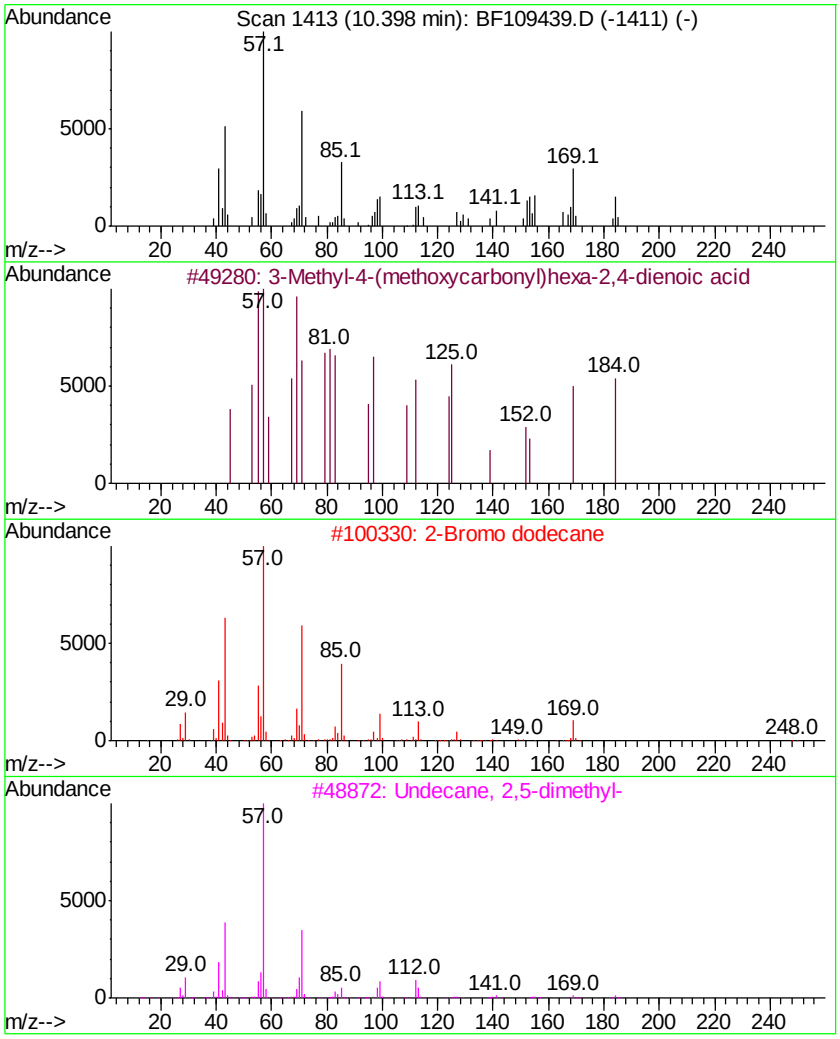
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

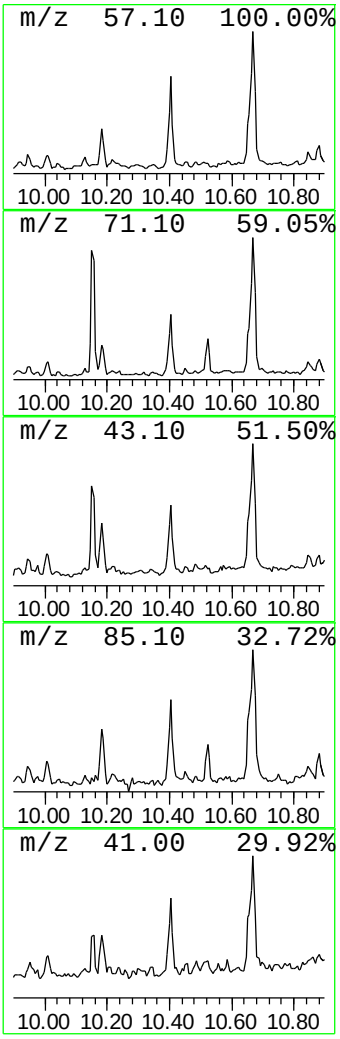
****

Peak Number 3 3-Methyl-4-(methoxycarbonyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	2.35 ng	68123	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	86
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	72
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	62
4	Hentriacontane	437	C31H64	000630-04-6	58
5	Triacontane	422	C30H62	000638-68-6	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109439.D
Acq On : 28 Sep 2018 19:25
Operator : JU/SJ
Sample : J5118-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-092518-USTEXC-NW-L-063

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

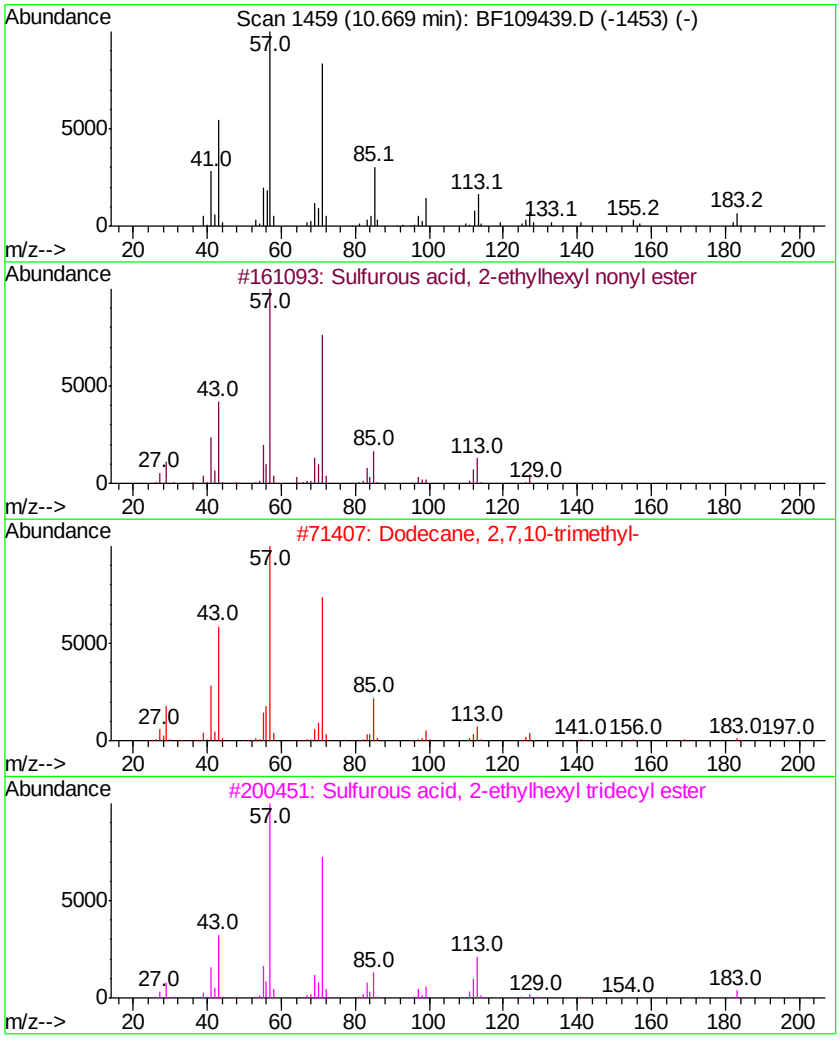
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

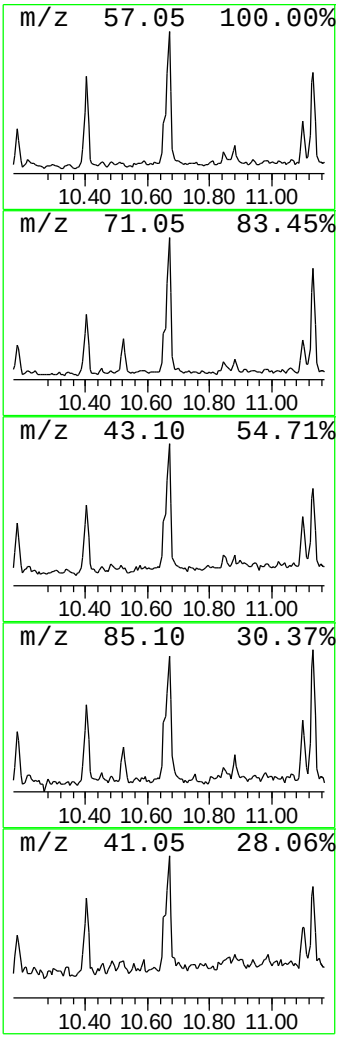
****

Peak Number 4 Sulfurous acid, 2-ethylhexy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	4.39 ng	131139	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	80
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
3	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	80
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	78
5	Heptacosane	380	C27H56	000593-49-7	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109439.D
Acq On : 28 Sep 2018 19:25
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Instrument :
BNA_F
ClientSampleId :
RA-092518-USTEXC-NW-L-063

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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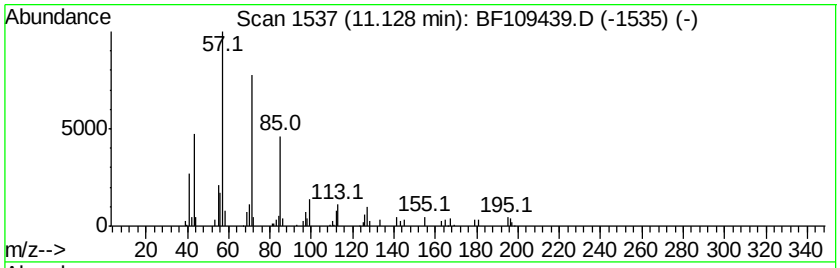
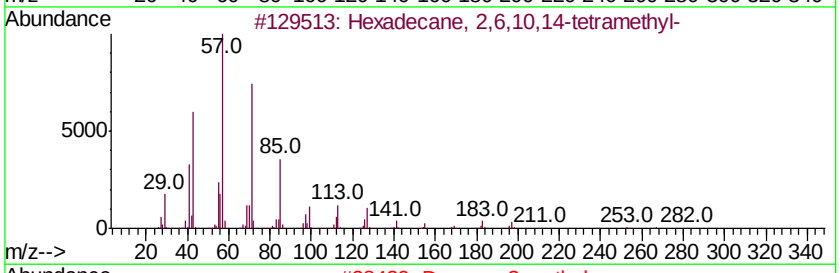
****

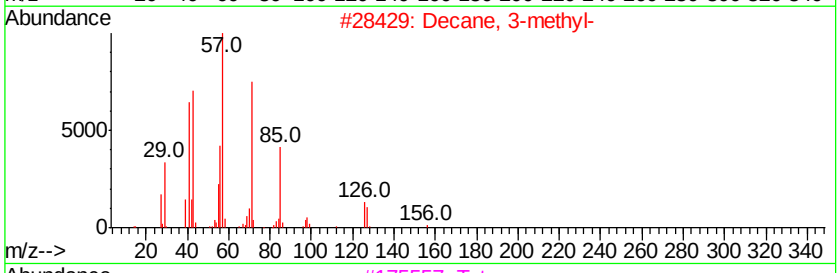
Peak Number 5 Hexadecane, 2,6,10,14-tetra... Concentration Rank 10

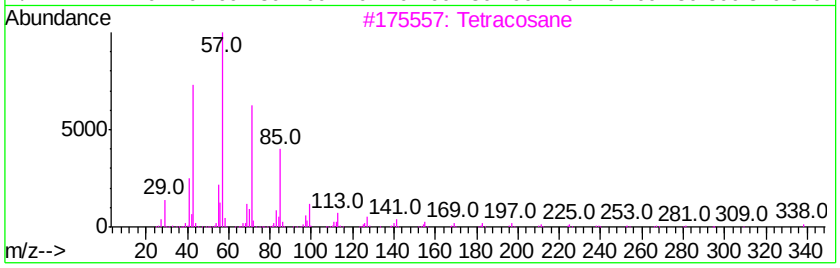
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	2.70 ng	80596	Phenanthrene-d10	11.22

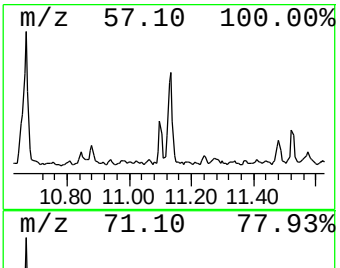
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	91
2	Decane, 3-methyl-	156	C11H24	013151-34-3	87
3	Tetracosane	338	C24H50	000646-31-1	86
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
5	Octadecane	254	C18H38	000593-45-3	78

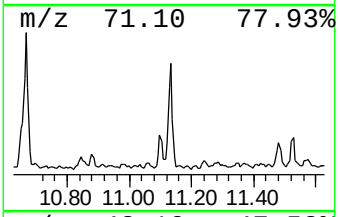


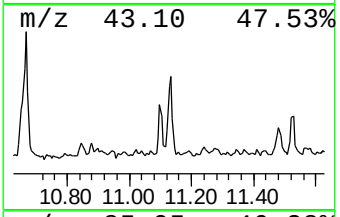


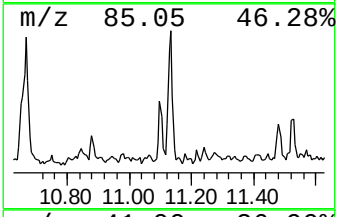


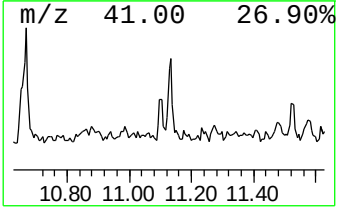












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Misc :
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Instrument : BNA_F
ClientSampleId : RA-092518-USTEXC-NW-L-063

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

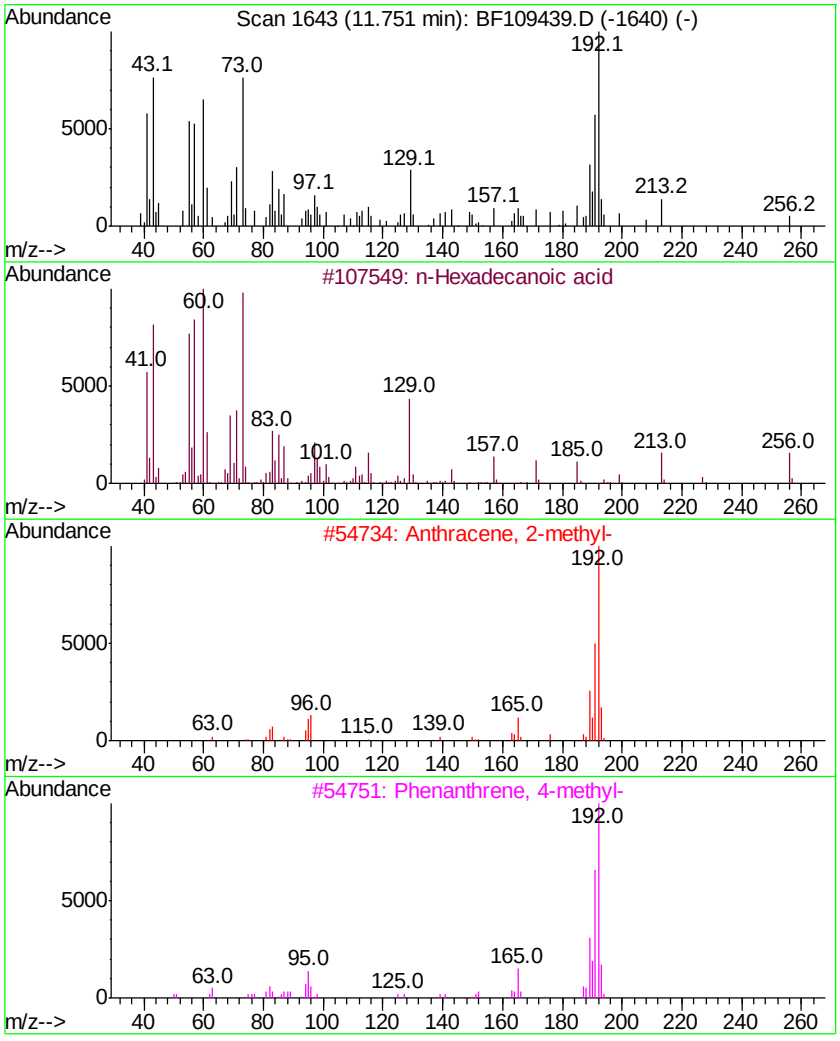
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

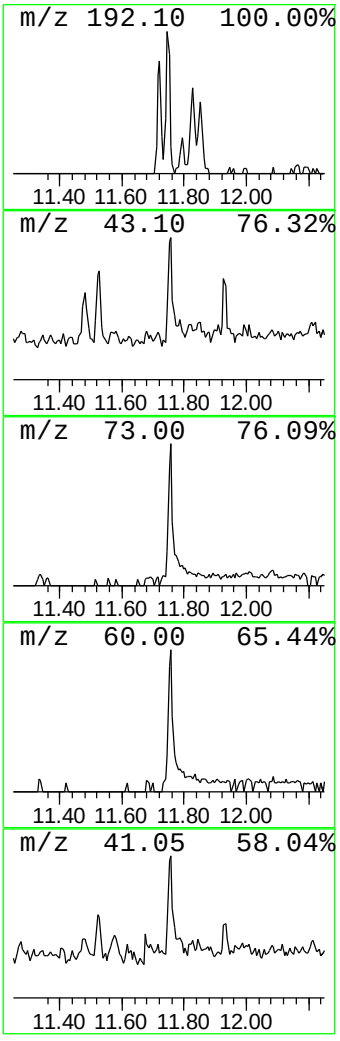
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	2.73 ng	81595	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	42
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109439.D
Acq On : 28 Sep 2018 19:25
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Sample : J5118-01
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

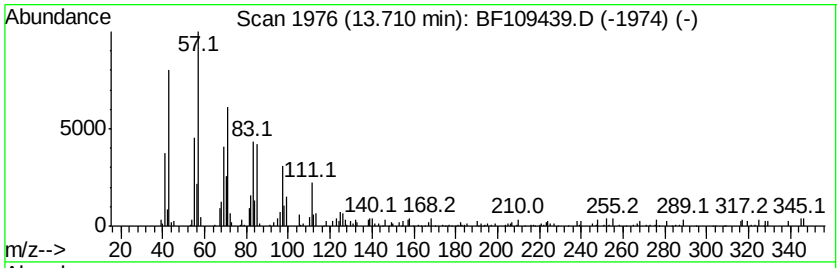
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

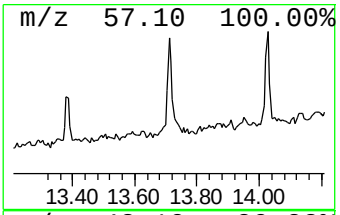
****

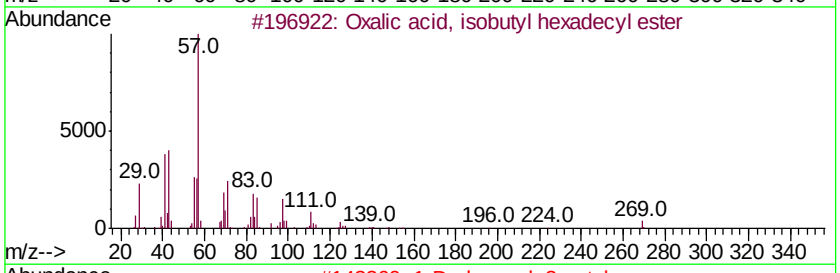
Peak Number 7 Oxalic acid, isobutyl hexad... Concentration Rank 8

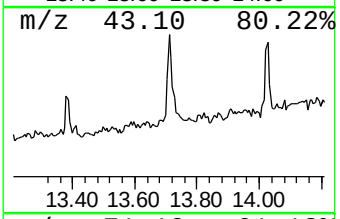
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	3.83 ng	112344	Chrysene-d12	13.85

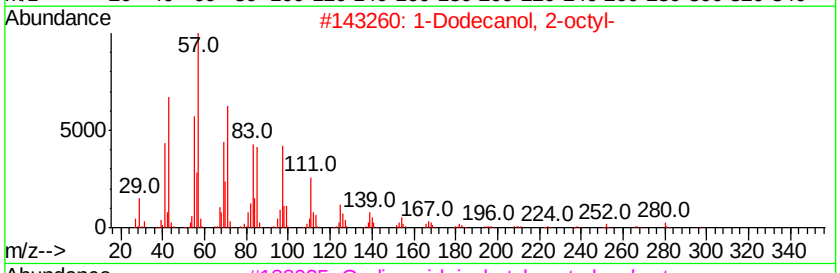
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	90
2	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	90
3	Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	87
4	Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	87
5	Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	87

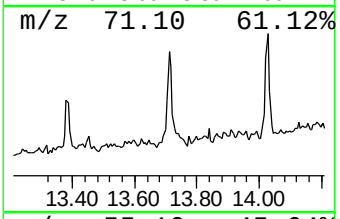


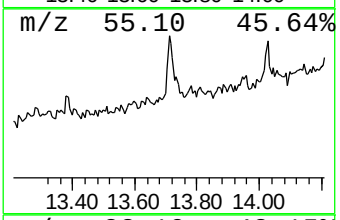


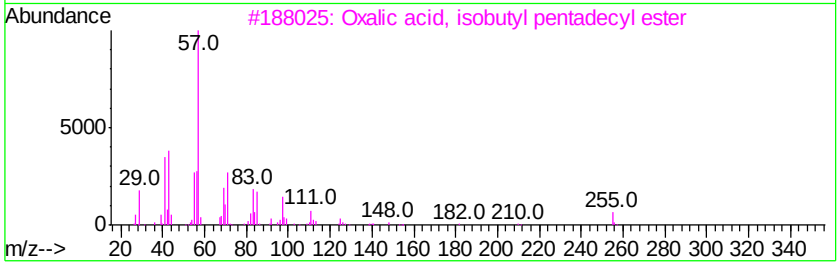


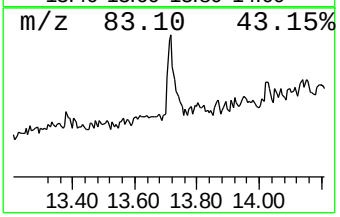












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109439.D
Acq On : 28 Sep 2018 19:25
Operator : JU/SJ
Sample : J5118-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-092518-USTEXC-NW-L-063

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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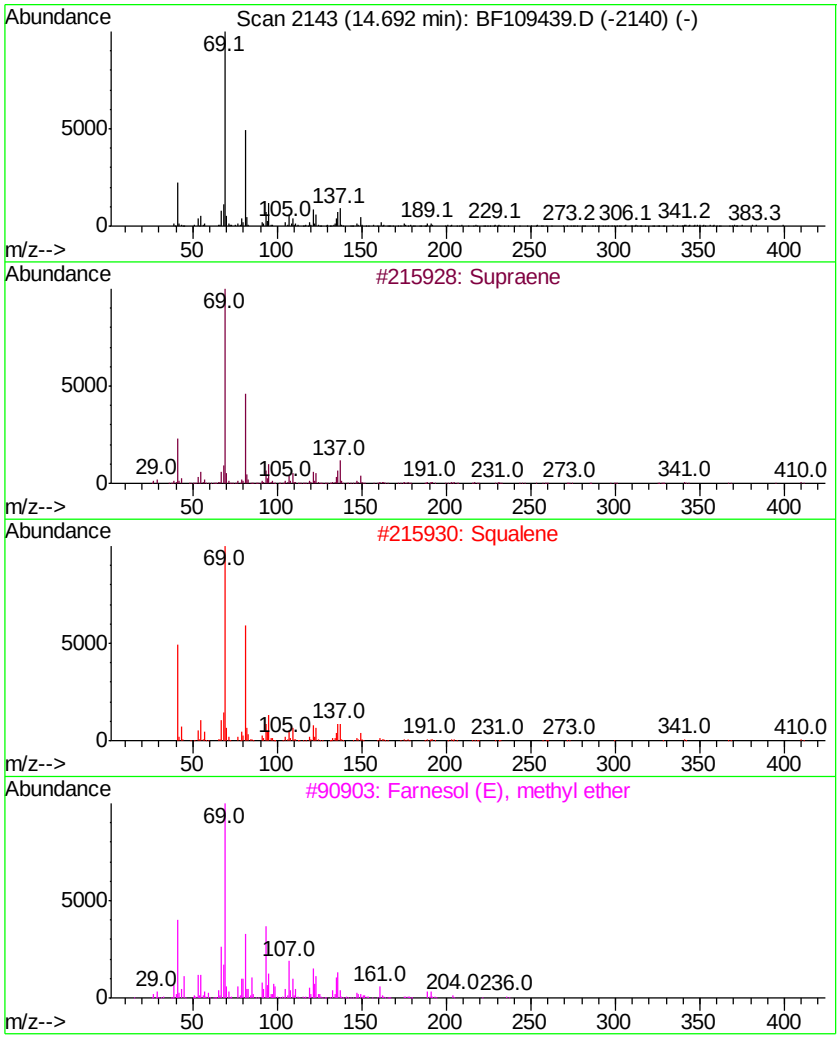
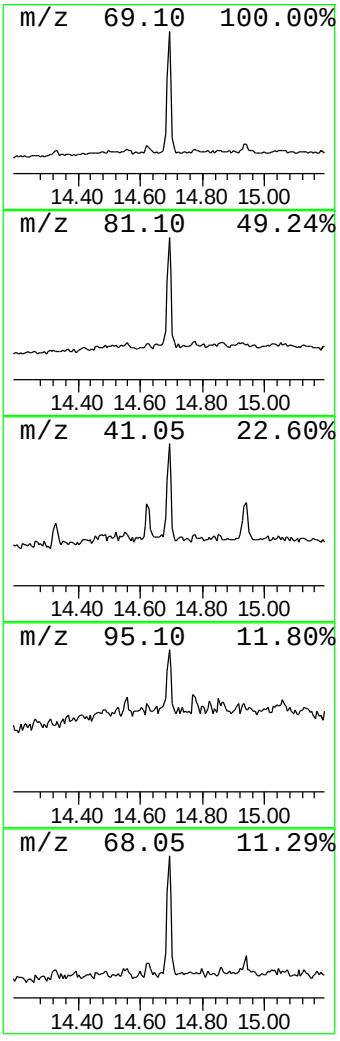
Peak Number 10 Supraene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	12.22 ng	228587	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	91
2	Squalene	410	C30H50	000111-02-4	91
3	Farnesol (E), methyl ether	236	C16H28O	1000352-67-3	78
4	4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	72
5	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109439.D
Acq On : 28 Sep 2018 19:25
Operator : JU/SJ
Sample : J5118-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-092518-USTEXC-NW-L-063

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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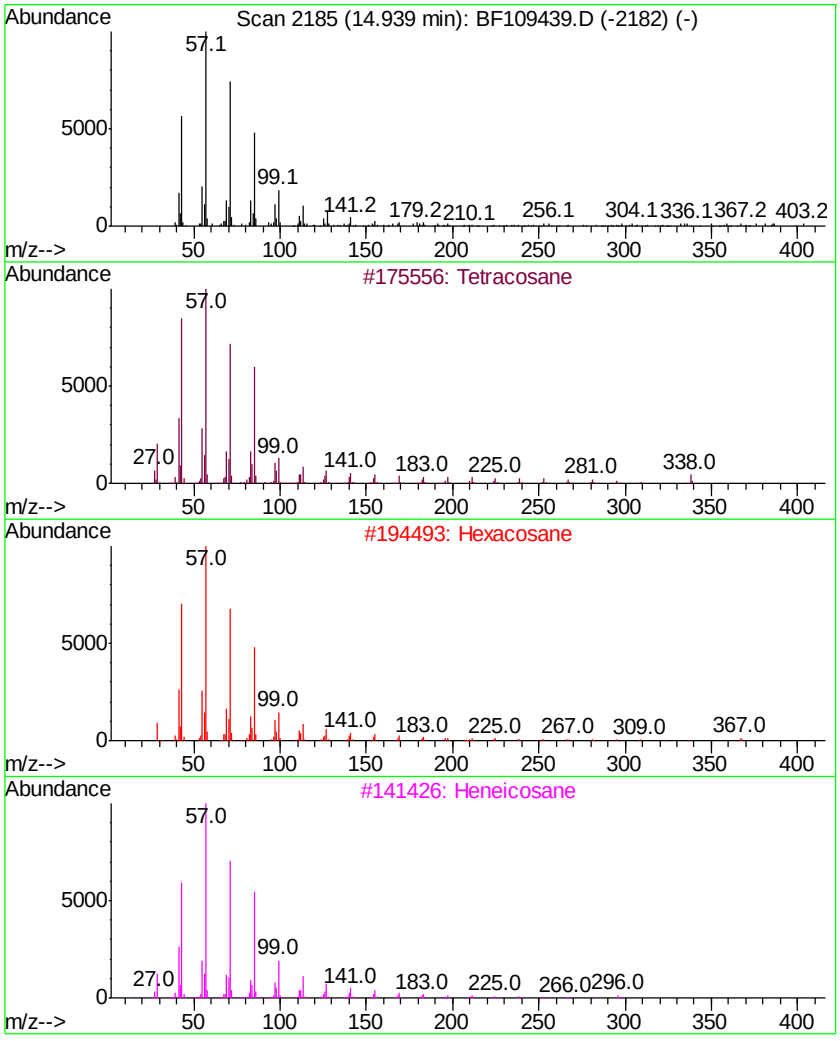
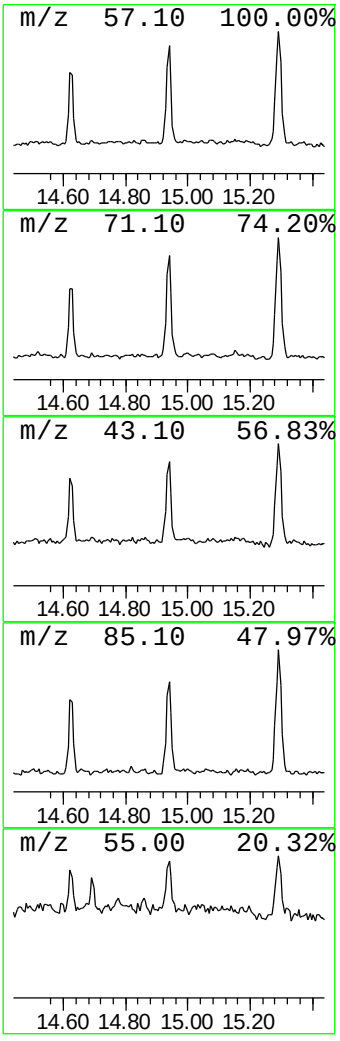
Peak Number 11 Tetracosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	11.13 ng	208231	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	93
2	Hexacosane	366	C26H54	000630-01-3	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Pentacosane	352	C25H52	000629-99-2	91
5	Octacosane	394	C28H58	000630-02-4	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109439.D
Acq On : 28 Sep 2018 19:25
Operator : JU/SJ
Sample : J5118-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-092518-USTEXC-NW-L-063

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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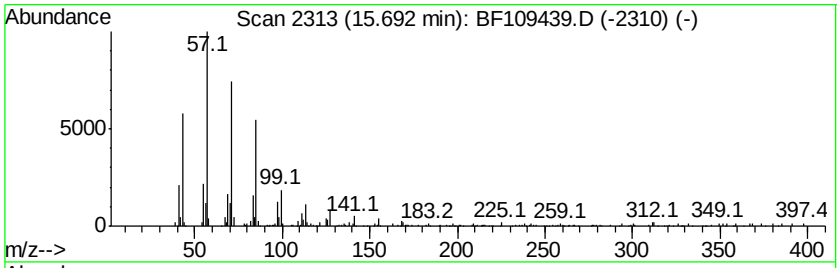
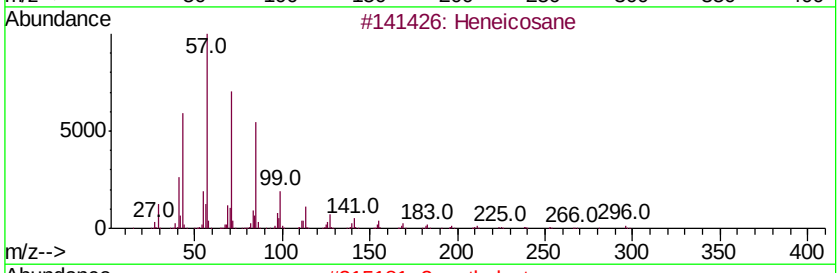
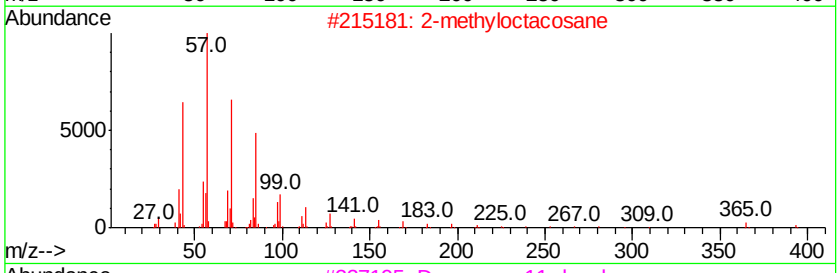
Peak Number 12 Heneicosane Concentration Rank 4

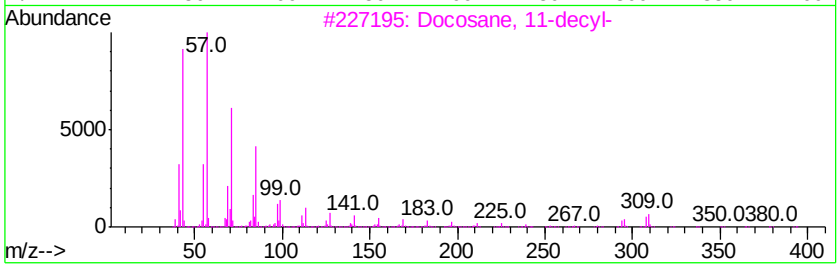
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	12.14 ng	227104	Perylene-d12	15.25

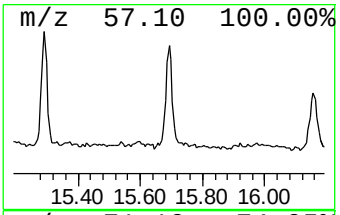
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	Docosane, 11-decyl-	451	C32H66	055401-55-3	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90

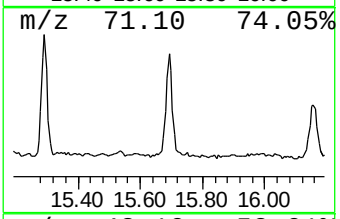


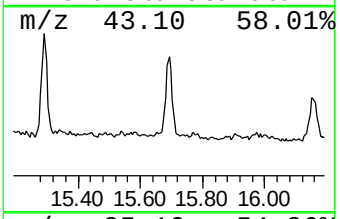


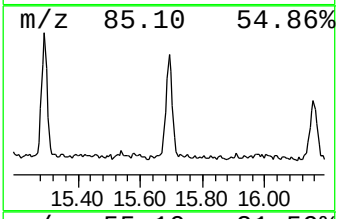


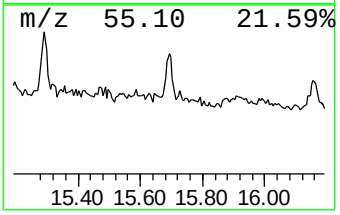












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092818\
Data File : BF109439.D
Acq On : 28 Sep 2018 19:25
Operator : JU/SJ
Sample : J5118-01
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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
unknown6.48	6.48	51.1	ng	1390610	1	6.71	544274	20.0
3-Methyl-4-(metho...	10.40	2.4	ng	68123	3	9.74	580391	20.0
Sulfurous acid, 2...	10.67	4.4	ng	131139	4	11.22	597640	20.0
Hexadecane, 2,6,1...	11.13	2.7	ng	80596	4	11.22	597640	20.0
n-Hexadecanoic acid	11.75	2.7	ng	81595	4	11.22	597640	20.0
Oxalic acid, isob...	13.71	3.8	ng	112344	5	13.85	587130	20.0
Supraene	14.69	12.2	ng	228587	6	15.25	374228	20.0
Tetracosane	14.94	11.1	ng	208231	6	15.25	374228	20.0
Heneicosane	15.69	12.1	ng	227104	6	15.25	374228	20.0