LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113093.D
Acq On : 18 Mar 2019 16:32
Operator : JU/SJ
Sample : K1933-08 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-8

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-BF022719.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	5.346	550	554	570	rBV	1385781	1419467	71.06%	5.574%
2	6.375	725	729	745	rBV	1614707	1620042	81.11%	6.361%
3	6.498	747	750	754	rBV	1733536	1625434	81.38%	6.382%
4	6.728	785	789	793	rBV	1263720	1002693	50.20%	3.937%
5	6.881	812	815	819	rBV	1356718	1243779	62.27%	4.884%
6	7.287	880	884	896	rBV	995655	969969	48.56%	3.809%
7	8.010	1003	1007	1027	rBV	1283539	1277163	63.94%	5.015%
8	9.081	1186	1189	1205	rBV	1847250	1997436	100.00%	7.843%
9	9.475	1253	1256	1262	rBV	77934	88236	4.42%	0.346%
10	9.757	1300	1304	1323	rBV	1439854	1583169	79.26%	6.216%
11	10.545	1434	1438	1447	rBV	1062956	1107285	55.44%	4.348%
12	10.669	1454	1459	1463	rBV7	20830	36032	1.80%	0.141%
13	11.051	1520	1524	1529	rBV3	15463	25673	1.29%	0.101%
14	11.239	1552	1556	1559	rBV	1434932	1409502	70.57%	5.534%
15	11.310	1566	1568	1574	rVB	29488	29967	1.50%	0.118%
16	11.575	1611	1613	1618	rVB4	16755	23003	1.15%	0.090%
17	11.704	1629	1635	1637	rBV5	19667	35326	1.77%	0.139%
18	11.739	1638	1641	1643	rBV	32636	34703	1.74%	0.136%
19	11.775	1643	1647	1650	rBV2	297153	293290	14.68%	1.152%
20	11.851	1657	1660	1662	rBV2	52337	53451	2.68%	0.210%
21	11.916	1669	1671	1675	rBV4	33052	35006	1.75%	0.137%
22	11.975	1678	1681	1686	rBV5	28742	49870	2.50%	0.196%
23	12.016	1686	1688	1690	rBV3	19267	21065	1.05%	0.083%
24	12.180	1713	1716	1719	rVB	200145	171716	8.60%	0.674%
25	12.286	1732	1734	1737	rVV2	46449	54295	2.72%	0.213%
26	12.322	1737	1740	1746	rVV3	43503	90528	4.53%	0.355%
27	12.374	1746	1749	1752	rVB4	35633	44393	2.22%	0.174%
28	12.445	1758	1761	1764	rBV	213537	203248	10.18%	0.798%
29	12.486	1764	1768	1772	rVV2	127703	187258	9.37%	0.735%
30	12.539	1775	1777	1778	rVV	61833	52283	2.62%	0.205%
31	12.557	1778	1780	1786	rVB	137178	144364	7.23%	0.567%
32	12.639	1792	1794	1796	rBV3	42862	33909	1.70%	0.133%
33	12.669	1796	1799	1802	rVV	170745	177075	8.87%	0.695%
34	12.704	1802	1805	1808	rVB2	59516	48217	2.41%	0.189%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113093.D
Acq On : 18 Mar 2019 16:32
Operator : JU/SJ
Sample : K1933-08 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-8

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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.816	1820	1824	1832	rVB	1715906	1520722	76.13%	5.971%
36	12.892	1834	1837	1839	rBV2	44237	52078	2.61%	0.204%
37	13.063	1863	1866	1869	rBV2	115890	121939	6.10%	0.479%
38	13.104	1870	1873	1875	rBV2	53366	54447	2.73%	0.214%
39	13.192	1885	1888	1891	rBV	153750	146962	7.36%	0.577%
40	13.227	1891	1894	1898	rVB	81252	81168	4.06%	0.319%
41	13.292	1902	1905	1908	rBV	104592	87238	4.37%	0.343%
42	13.339	1911	1913	1916	rVB4	49628	39895	2.00%	0.157%
43	13.398	1921	1923	1926	rBV	99224	82746	4.14%	0.325%
44	13.551	1947	1949	1955	rBV2	71317	142993	7.16%	0.561%
45	13.604	1956	1958	1963	rVV5	55118	96239	4.82%	0.378%
46	13.669	1967	1969	1975	rBV3	59689	86530	4.33%	0.340%
47	13.863	1997	2002	2005	rBV2	1421254	1826702	91.45%	7.173%
48	13.892	2005	2007	2015	rVB	271018	291619	14.60%	1.145%
49	14.039	2030	2032	2035	rVB	124024	116780	5.85%	0.459%
50	14.216	2059	2062	2064	rBV	96815	110337	5.52%	0.433%
51	14.251	2066	2068	2071	rVV	212218	180152	9.02%	0.707%
52	14.286	2071	2074	2077	rVB	121563	107930	5.40%	0.424%
53	14.345	2081	2084	2087	rVB2	187472	170653	8.54%	0.670%
54	14.374	2087	2089	2091	rBV	101561	98494	4.93%	0.387%
55	14.639	2131	2134	2136	rBV2	151443	167914	8.41%	0.659%
56	14.874	2171	2174	2181	rBV	219428	376587	18.85%	1.479%
57	14.957	2185	2188	2194	rVB2	217682	288582	14.45%	1.133%
58	15.157	2219	2222	2227	rVB	249912	304924	15.27%	1.197%
59	15.215	2229	2232	2238	rVB	252994	276741	13.85%	1.087%
60	15.280	2238	2243	2246	rBV	990453	1270674	63.62%	4.989%
61	15.715	2314	2317	2322	rVB2	130395	178006	8.91%	0.699%

Sum of corrected areas: 25467899

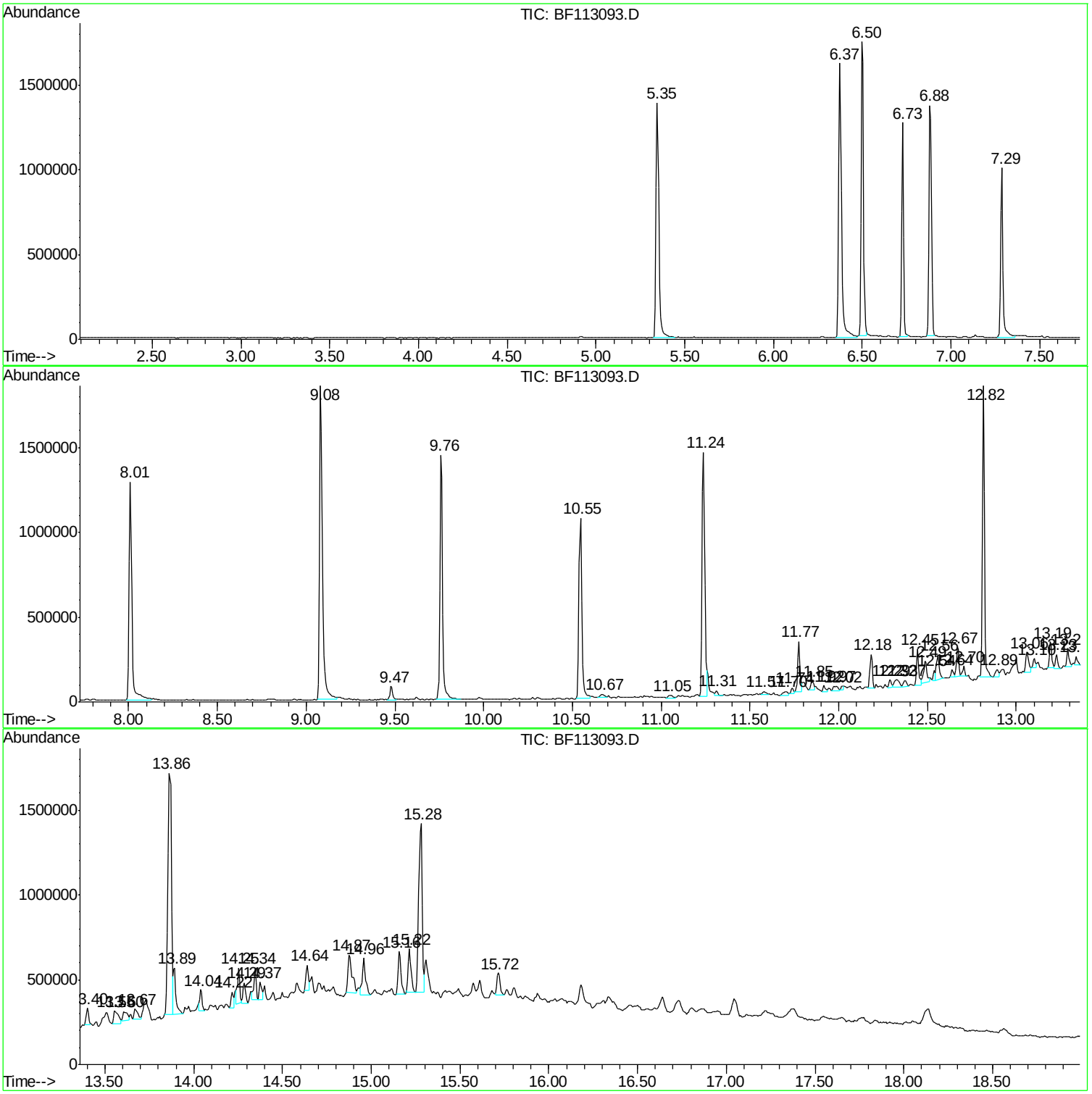
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113093.D
Acq On : 18 Mar 2019 16:32
Operator : JU/SJ
Sample : K1933-08 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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\BF031819\
Data File : BF113093.D
Acq On : 18 Mar 2019 16:32
Operator : JU/SJ
Sample : K1933-08 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

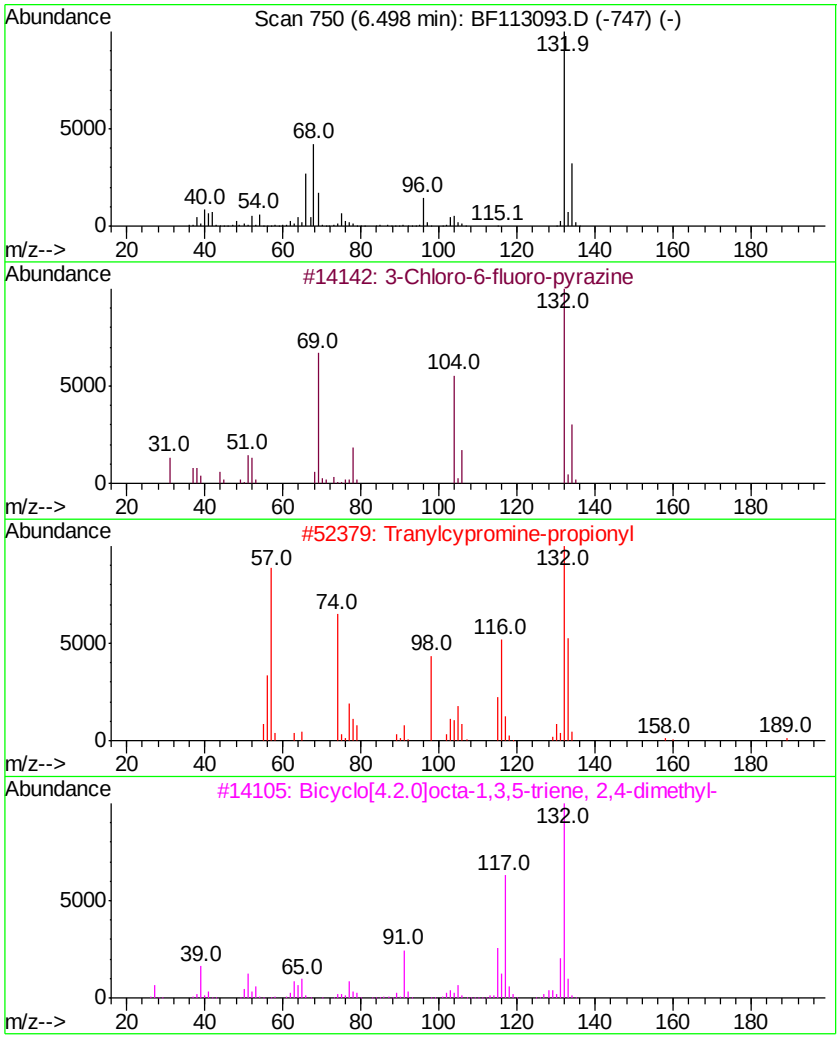
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

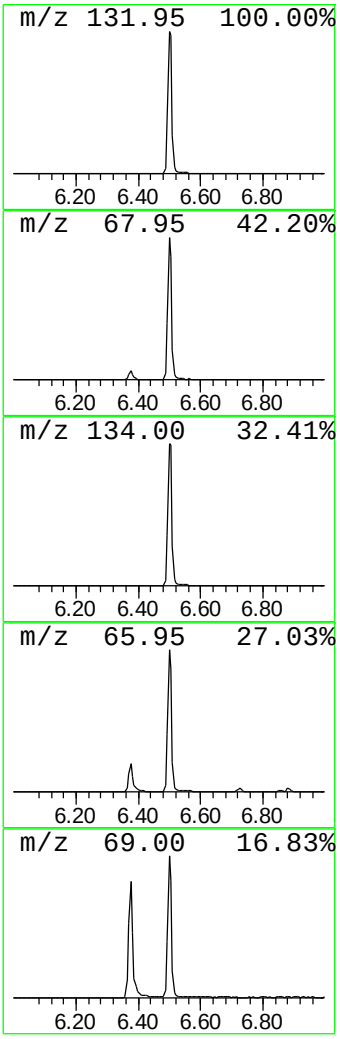
****

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	32.42 ng	1625430	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113093.D
Acq On : 18 Mar 2019 16:32
Operator : JU/SJ
Sample : K1933-08 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

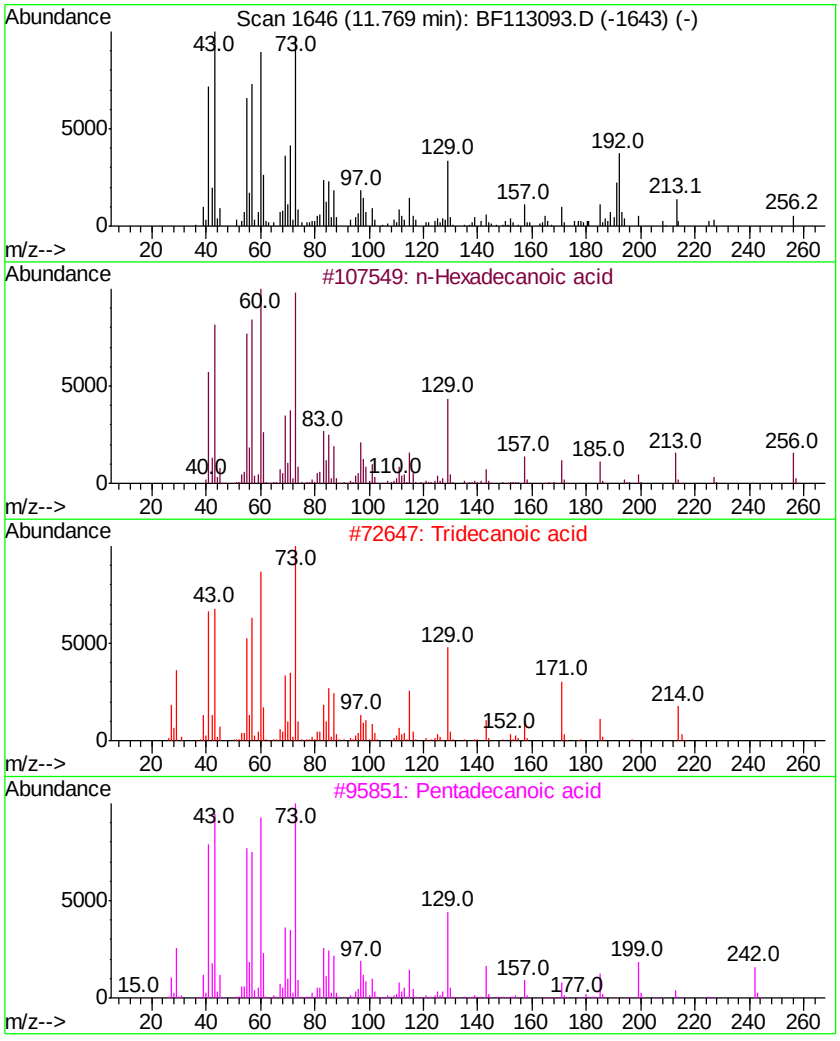
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

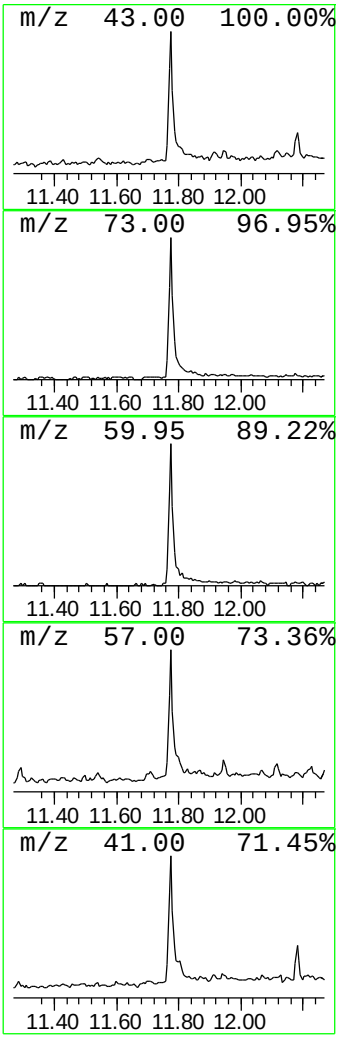
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	4.16 ng	293290	Phenanthrene-d10	11.24

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	93
4	Undecanoic acid	186	C11H22O2	000112-37-8	81
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113093.D
Acq On : 18 Mar 2019 16:32
Operator : JU/SJ
Sample : K1933-08 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

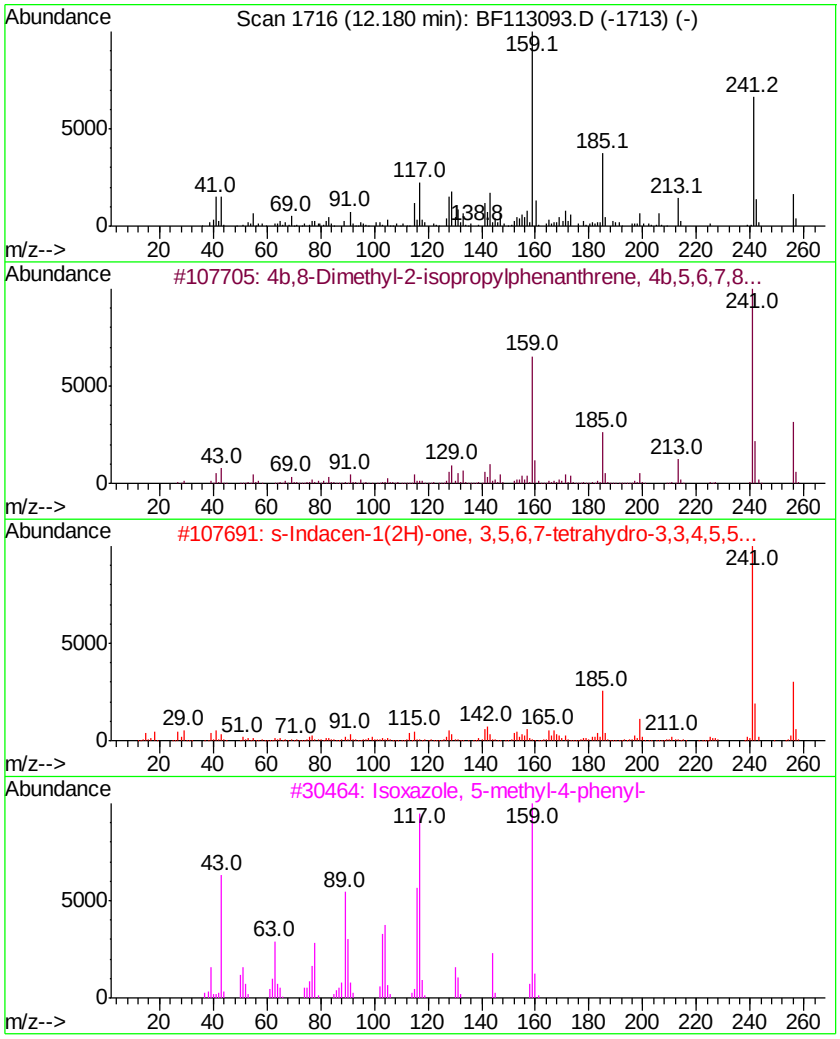
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

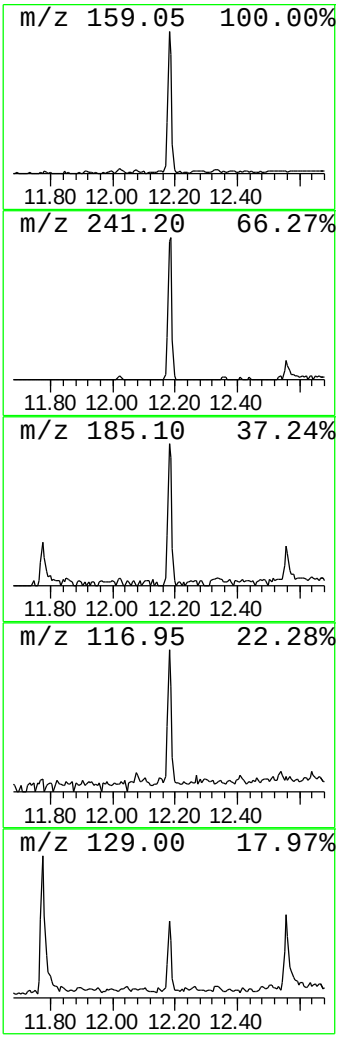
****

Peak Number 4 4b,8-Dimethyl-2-isopropylph... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	2.44 ng	171716	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	90
2	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	51
3	Isoxazole, 5-methyl-4-phenyl-	159	C10H9NO	023253-49-8	43
4	Naphthalene, 1,2,3,4-tetrahydro-...	202	C15H22	000483-77-2	38
5	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113093.D
Acq On : 18 Mar 2019 16:32
Operator : JU/SJ
Sample : K1933-08 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

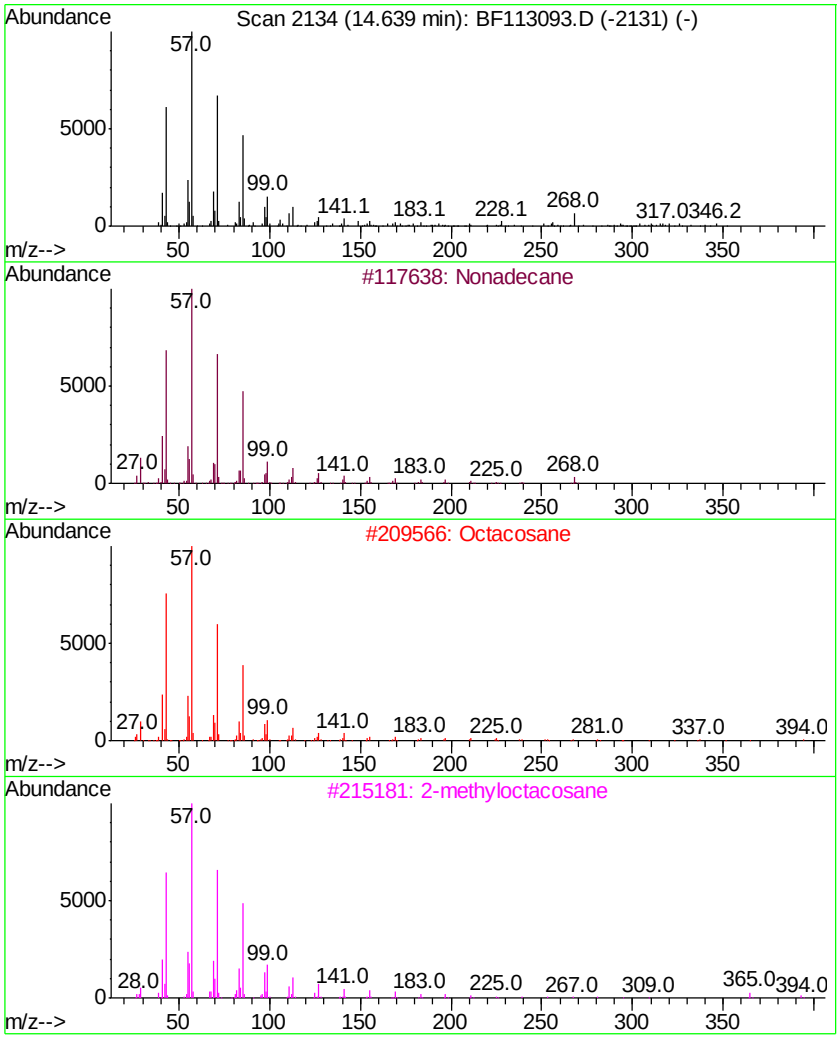
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

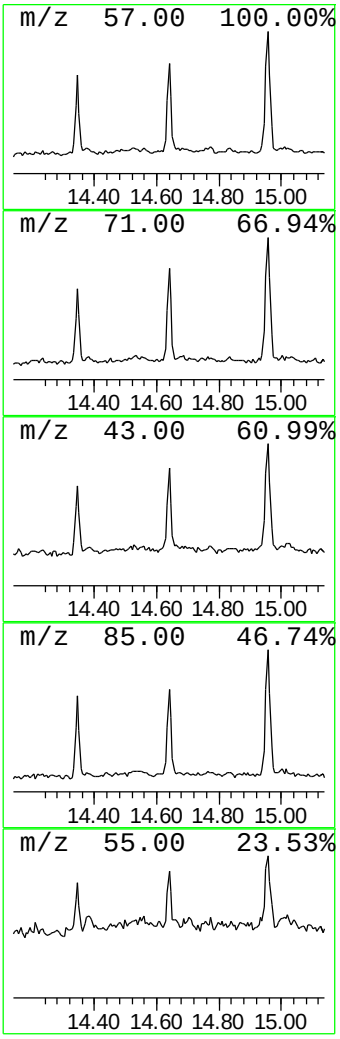
****

Peak Number 5 Nonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	2.64 ng	167914	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Octacosane	394	C28H58	000630-02-4	90
3	2-methyloctacosane	408	C29H60	1000376-72-8	90
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	87
5	Hexacosane	366	C26H54	000630-01-3	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113093.D
Acq On : 18 Mar 2019 16:32
Operator : JU/SJ
Sample : K1933-08 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

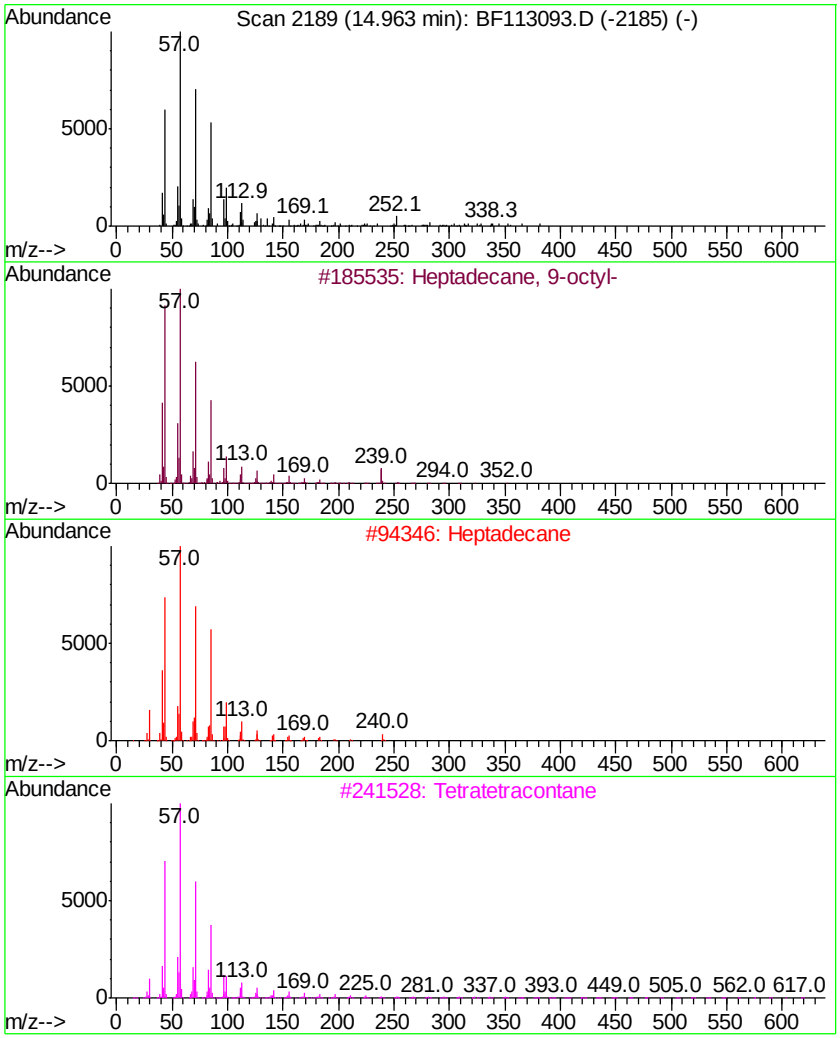
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

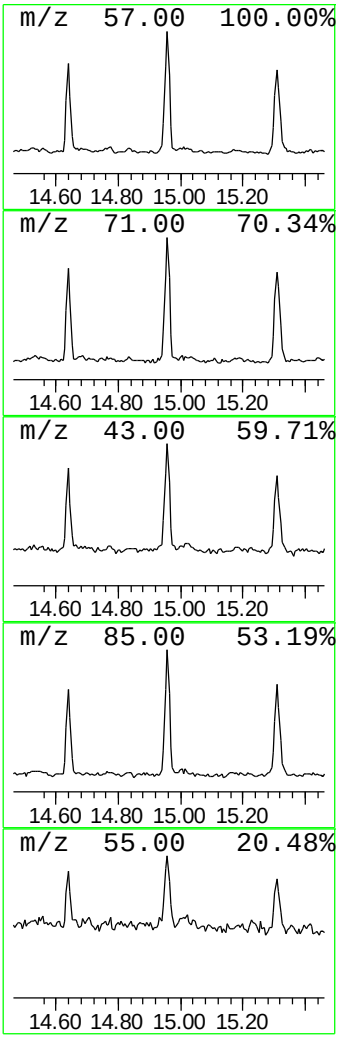
****

Peak Number 6 Heptadecane, 9-octyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	4.54 ng	288582	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
2	Heptadecane	240	C17H36	000629-78-7	87
3	Tetratetracontane	619	C44H90	007098-22-8	74
4	1-Iodoundecane	282	C11H23I	004282-44-4	72
5	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113093.D
Acq On : 18 Mar 2019 16:32
Operator : JU/SJ
Sample : K1933-08 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

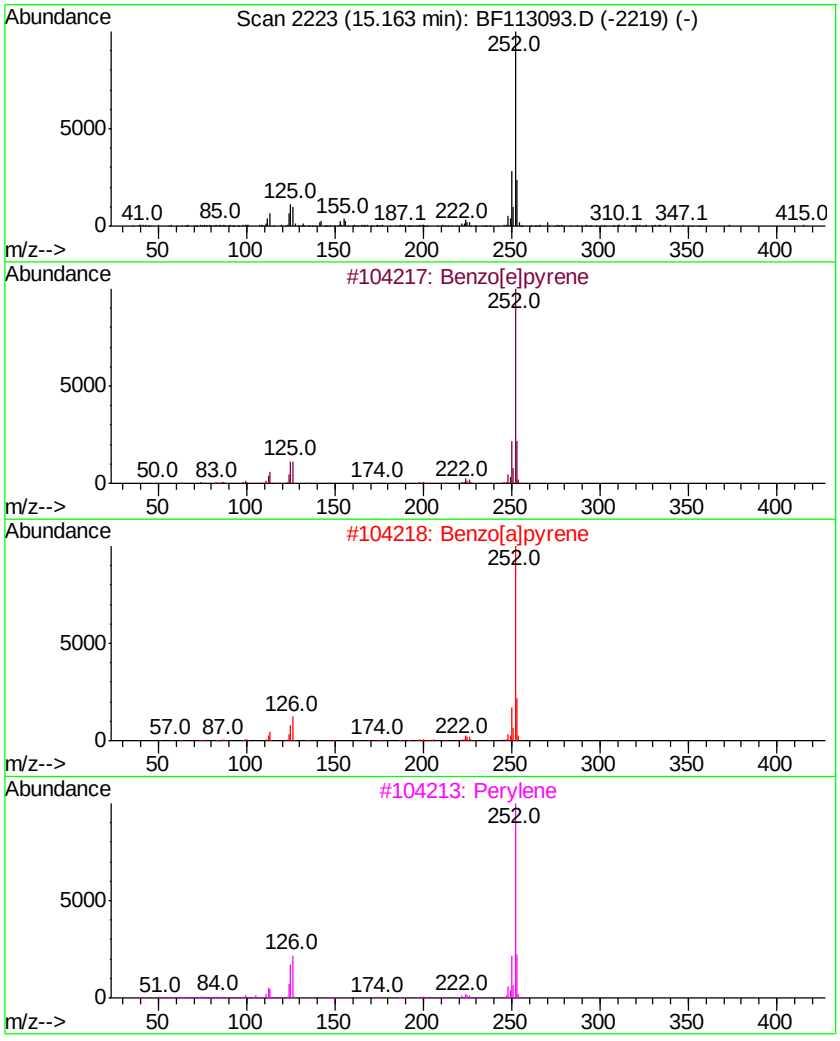
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

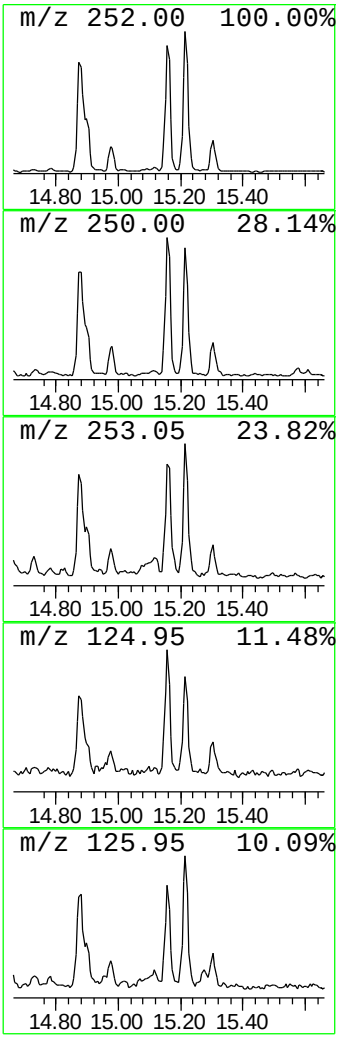
****

Peak Number 7 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	4.80 ng	304924	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Perylene	252	C20H12	000198-55-0	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113093.D
Acq On : 18 Mar 2019 16:32
Operator : JU/SJ
Sample : K1933-08 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

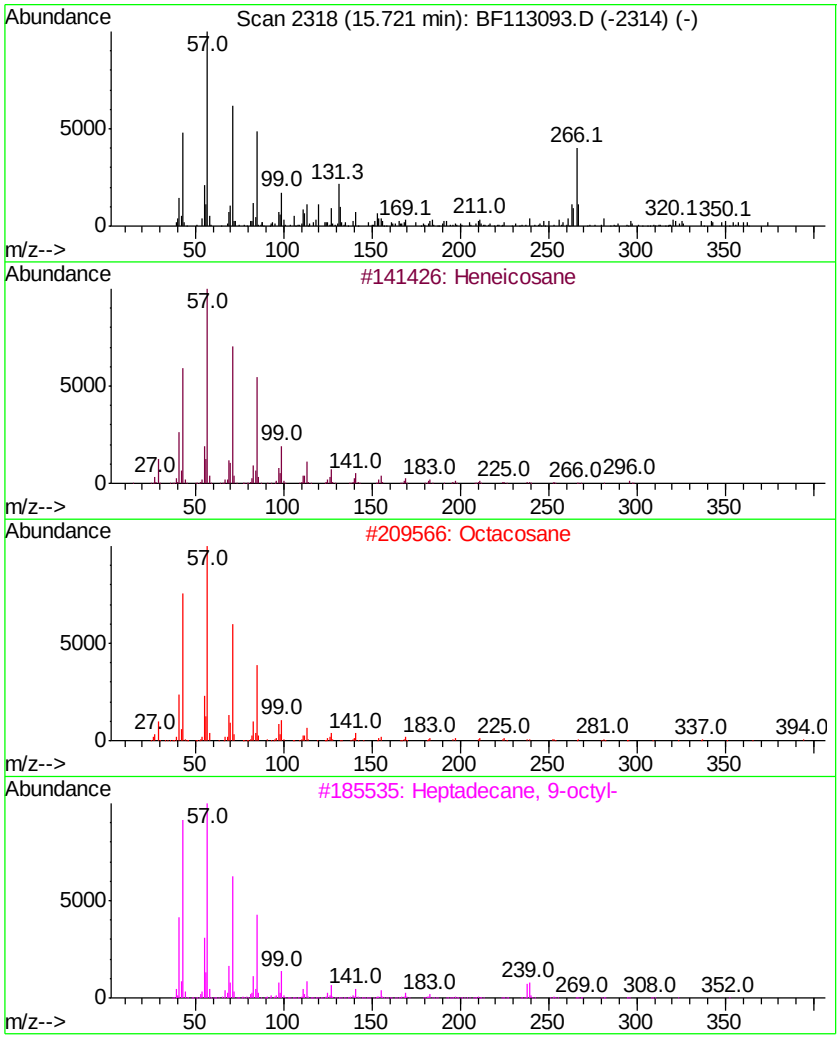
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

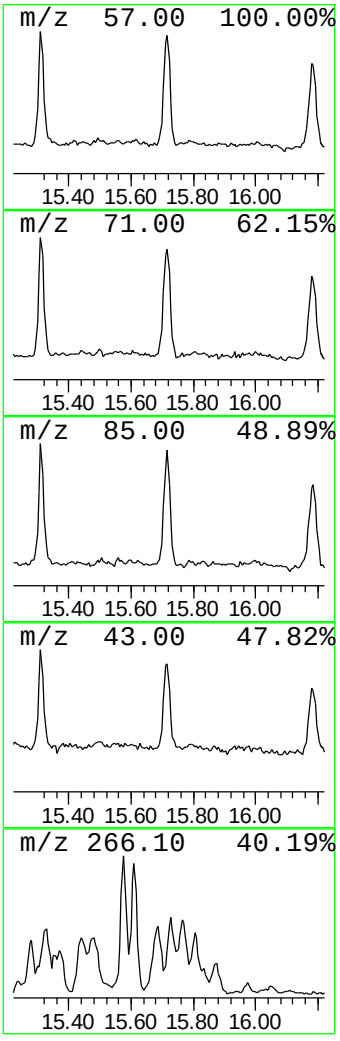
****

Peak Number 8 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	2.80 ng	178006	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Octacosane	394	C28H58	000630-02-4	87
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87
4	Hexacosane	366	C26H54	000630-01-3	87
5	Octadecane	254	C18H38	000593-45-3	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031819\
Data File : BF113093.D
Acq On : 18 Mar 2019 16:32
Operator : JU/SJ
Sample : K1933-08 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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
unknown6.50	6.50	32.4	ng	1625430	1	6.73	1002690	20.0
n-Hexadecanoic acid	11.77	4.2	ng	293290	4	11.24	1409500	20.0
4b,8-Dimethyl-2-i...	12.18	2.4	ng	171716	4	11.24	1409500	20.0
Nonadecane	14.64	2.6	ng	167914	6	15.28	1270670	20.0
Heptadecane, 9-oc...	14.96	4.5	ng	288582	6	15.28	1270670	20.0
Benzo[e]pyrene	15.16	4.8	ng	304924	6	15.28	1270670	20.0
Heneicosane	15.72	2.8	ng	178006	6	15.28	1270670	20.0