LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
Data File : BF116814.D
Acq On : 4 Sep 2019 14:38
Operator : HP/JU
Sample : K4639-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

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-BF083019.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	5.457	569	573	586	rBB	295236	268117	42.76%	4.006%
2	6.469	741	745	759	rVB	371067	304808	48.61%	4.554%
3	6.610	766	769	773	rBV	342107	306544	48.89%	4.580%
4	6.845	806	809	813	rBV	501026	378444	60.36%	5.654%
5	7.004	832	836	839	rBV	242436	203961	32.53%	3.047%
6	7.398	900	903	910	rBV	210385	169709	27.07%	2.535%
7	8.128	1023	1027	1031	rBV	671793	514177	82.01%	7.682%
8	9.016	1172	1178	1180	rBV4	4579	8071	1.29%	0.121%
9	9.151	1199	1201	1206	rBV	14468	11139	1.78%	0.166%
10	9.198	1206	1209	1214	rBV	380855	297207	47.40%	4.440%
11	9.286	1220	1224	1228	rBV3	17986	20717	3.30%	0.310%
12	9.522	1258	1264	1266	rBV5	9032	15712	2.51%	0.235%
13	9.592	1273	1276	1277	rBV	51030	43534	6.94%	0.650%
14	9.757	1301	1304	1306	rBV4	9227	9212	1.47%	0.138%
15	9.798	1306	1311	1312	rVV4	13528	17553	2.80%	0.262%
16	9.816	1312	1314	1319	rVV	19926	19631	3.13%	0.293%
17	9.880	1321	1325	1331	rVB	759760	619901	98.87%	9.261%
18	9.986	1341	1343	1345	rBV2	9290	9608	1.53%	0.144%
19	10.045	1350	1353	1356	rBV4	15377	24898	3.97%	0.372%
20	10.075	1356	1358	1361	rVB4	13432	12881	2.05%	0.192%
21	10.139	1366	1369	1372	rBV3	23561	27417	4.37%	0.410%
22	10.169	1372	1374	1376	rVB3	13573	12084	1.93%	0.181%
23	10.198	1376	1379	1382	rBV4	13386	18369	2.93%	0.274%
24	10.251	1387	1388	1392	rVB3	12503	11622	1.85%	0.174%
25	10.292	1392	1395	1396	rBV2	15484	13653	2.18%	0.204%
26	10.316	1396	1399	1401	rVV	38563	33989	5.42%	0.508%
27	10.345	1401	1404	1406	rVB4	12110	11411	1.82%	0.170%
28	10.369	1406	1408	1411	rBV4	8123	9908	1.58%	0.148%
29	10.416	1414	1416	1418	rBV3	11258	11787	1.88%	0.176%
30	10.445	1418	1421	1423	rBV3	11818	11955	1.91%	0.179%
31	10.533	1431	1436	1443	rBV	71241	110058	17.55%	1.644%
32	10.580	1443	1444	1448	rVB4	15157	12142	1.94%	0.181%
33	10.622	1448	1451	1453	rBV4	20143	22902	3.65%	0.342%
34	10.663	1454	1458	1461	rBV2	209561	186635	29.77%	2.788%

LSC Area Percent Report

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Acq On : 4 Sep 2019 14:38
Operator : HP/JU
Sample : K4639-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.798	1476	1481	1487	rBV	132351	180621	28.81%	2.698%
36	11.233	1552	1555	1557	rBV	82709	66244	10.57%	0.990%
37	11.263	1557	1560	1565	rVB	150573	155580	24.81%	2.324%
38	11.363	1573	1577	1580	rBV	715931	626992	100.00%	9.367%
39	11.480	1595	1597	1599	rVB3	20773	15265	2.43%	0.228%
40	11.610	1617	1619	1622	rVB	42154	40900	6.52%	0.611%
41	11.657	1625	1627	1630	rVB	85914	60081	9.58%	0.898%
42	11.886	1663	1666	1669	rBV2	49742	49354	7.87%	0.737%
43	12.063	1693	1696	1701	rVB	89735	71108	11.34%	1.062%
44	12.345	1742	1744	1747	rVB3	34251	26315	4.20%	0.393%
45	12.451	1759	1762	1764	rBV	69357	54634	8.71%	0.816%
46	12.616	1788	1790	1792	rVB2	36282	26475	4.22%	0.396%
47	12.798	1819	1821	1823	rBV	30220	25707	4.10%	0.384%
48	12.821	1823	1825	1828	rVB	77915	64845	10.34%	0.969%
49	12.939	1842	1845	1849	rBV	372912	322628	51.46%	4.820%
50	13.174	1883	1885	1889	rBV5	44734	49963	7.97%	0.746%
51	13.457	1930	1933	1937	rVB	98495	87696	13.99%	1.310%
52	13.992	2018	2024	2027	rBV2	541882	595389	94.96%	8.895%
53	15.451	2268	2272	2275	rBV	362096	424101	67.64%	6.336%

Sum of corrected areas: 6693654

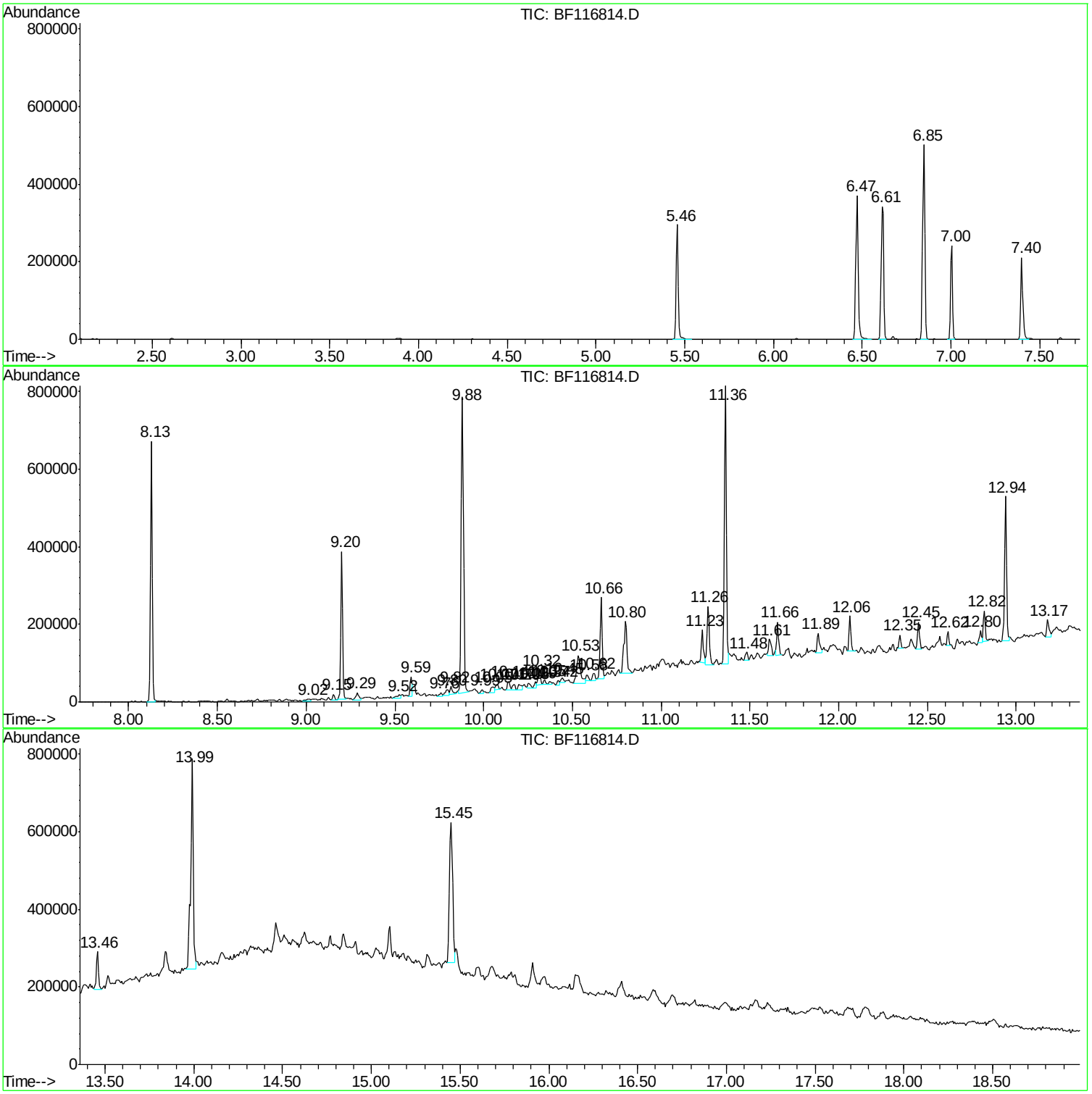
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
Data File : BF116814.D
Acq On : 4 Sep 2019 14:38
Operator : HP/JU
Sample : K4639-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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\BF090419\
Data File : BF116814.D
Acq On : 4 Sep 2019 14:38
Operator : HP/JU
Sample : K4639-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

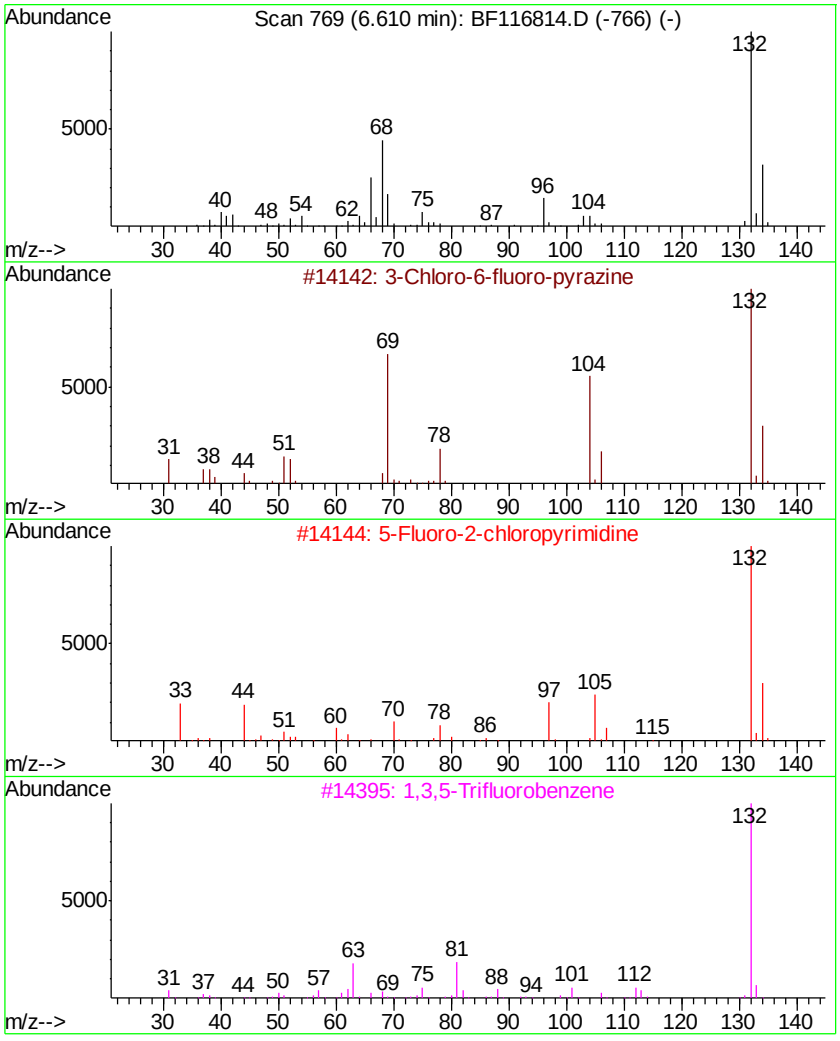
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

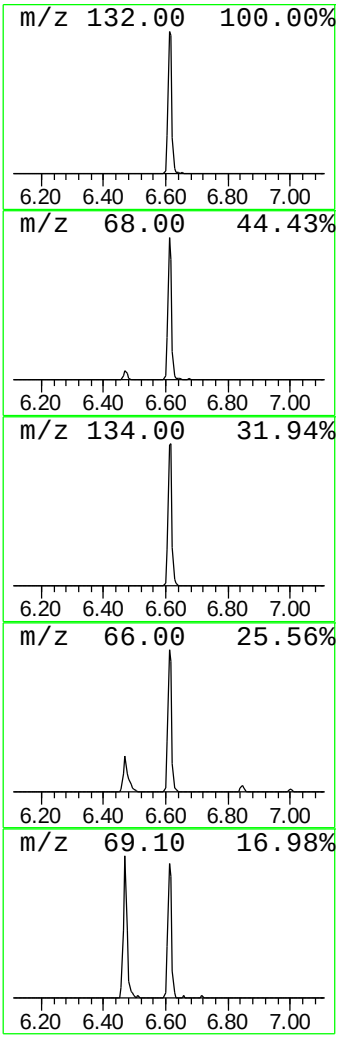
****

Peak Number 1 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	16.20 ng	306544	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Data File : BF116814.D
Acq On : 4 Sep 2019 14:38
Operator : HP/JU
Sample : K4639-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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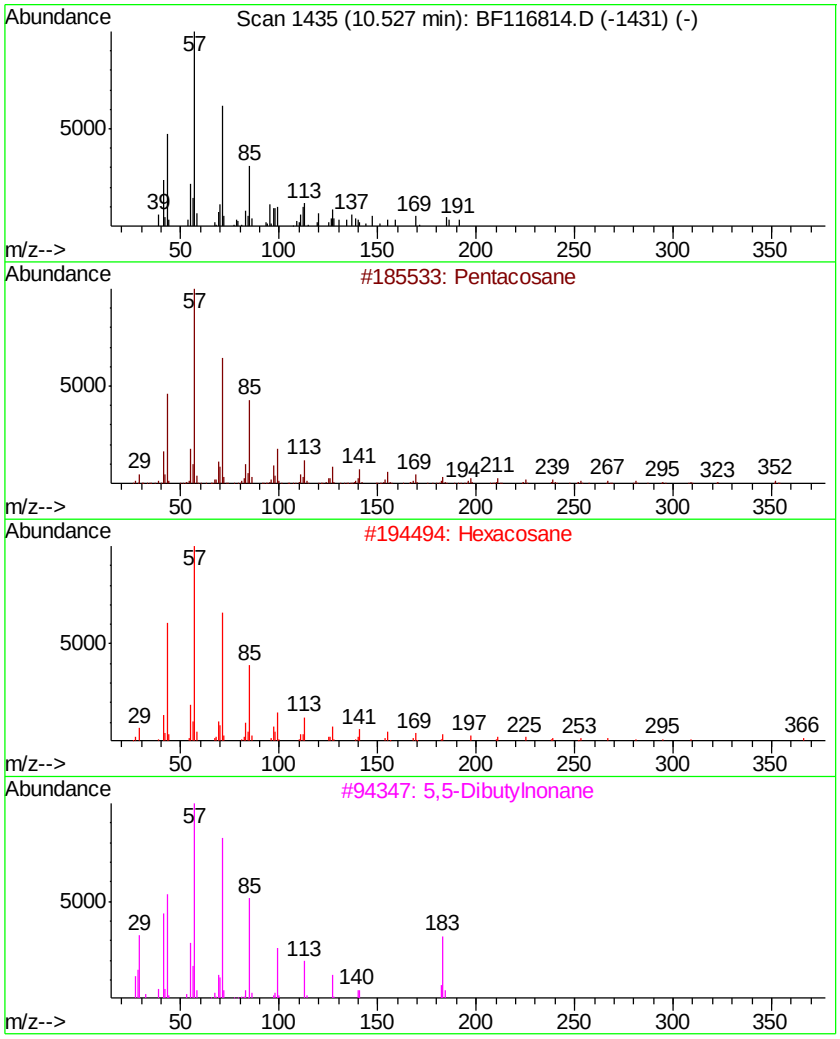
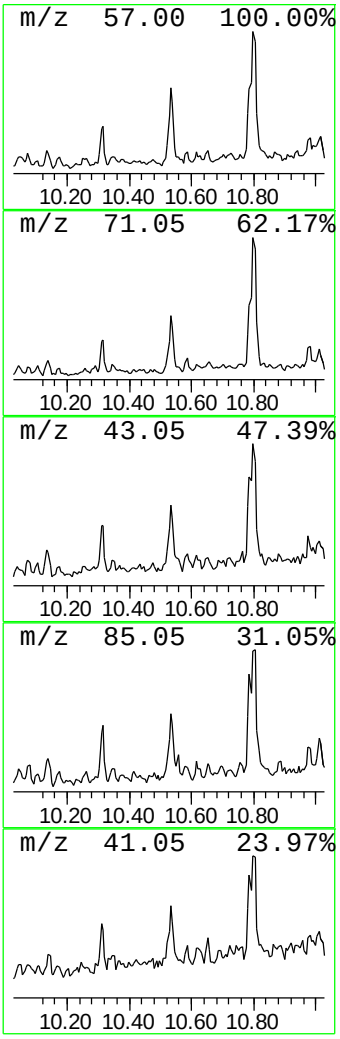
Peak Number 3 Pentacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	3.55 ng	110058	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	80
2	Hexacosane	366	C26H54	000630-01-3	80
3	5,5-Dibutylnonane	240	C17H36	006008-17-9	72
4	Hentriacontane	437	C31H64	000630-04-6	72
5	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	72





Library Search Compound Report

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Acq On : 4 Sep 2019 14:38
Operator : HP/JU
Sample : K4639-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

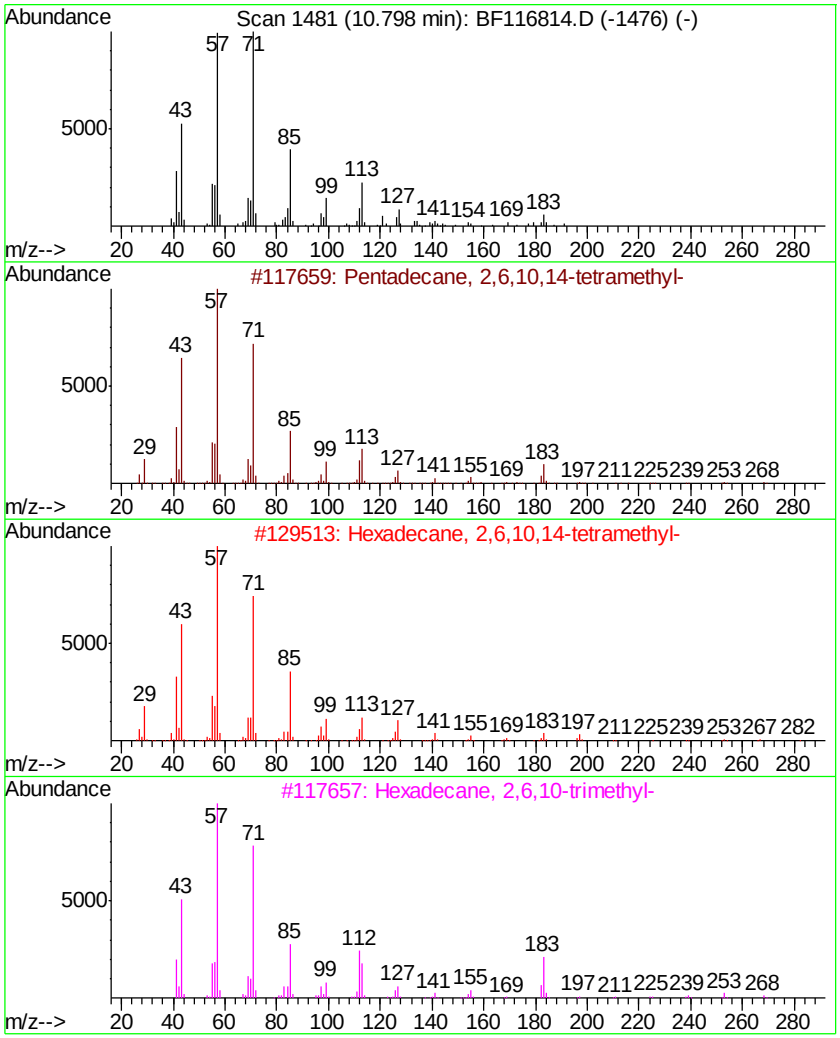
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

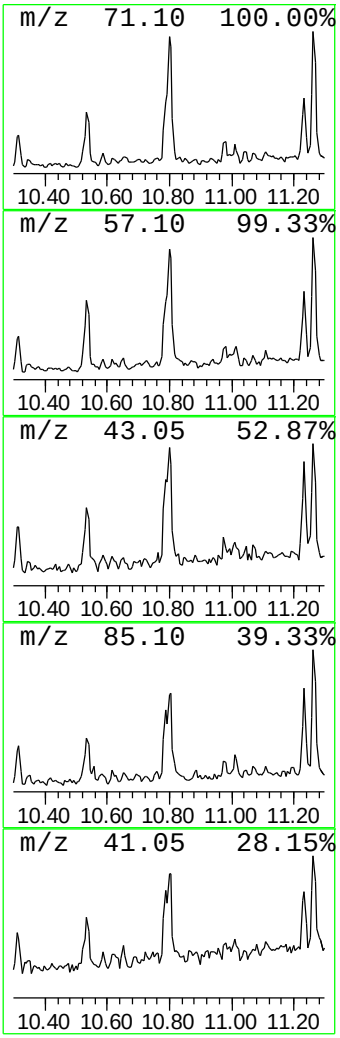
****

Peak Number 4 Pentadecane, 2,6,10,14-tetr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	5.76 ng	180621	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
3	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	72
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
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Operator : HP/JU
Sample : K4639-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

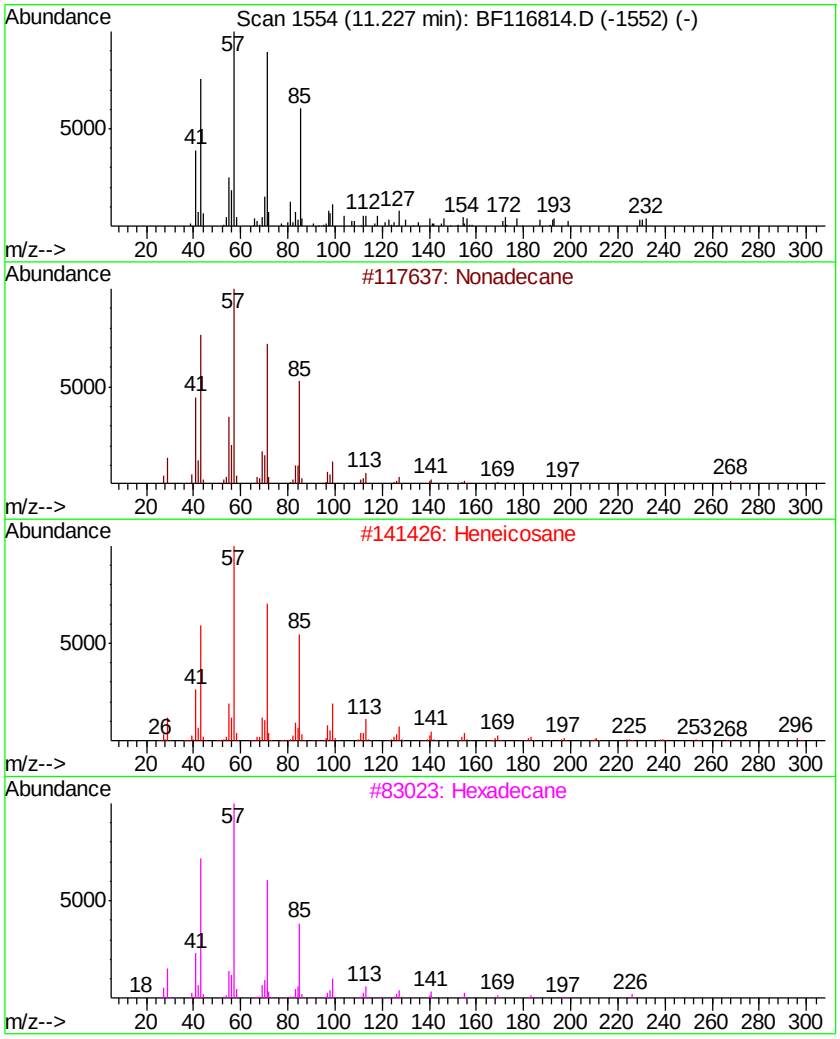
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

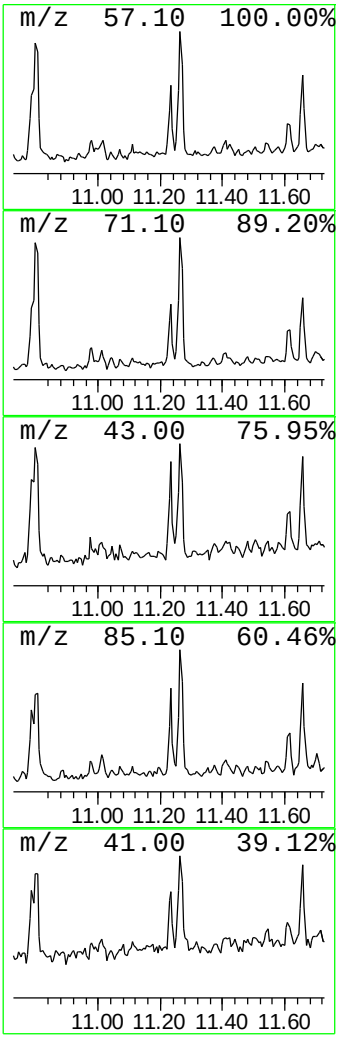
****

Peak Number 5 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	2.11 ng	66244	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	87
2	Heneicosane	296	C21H44	000629-94-7	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Tetracosane	338	C24H50	000646-31-1	86
5	Tetradecane	198	C14H30	000629-59-4	86





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

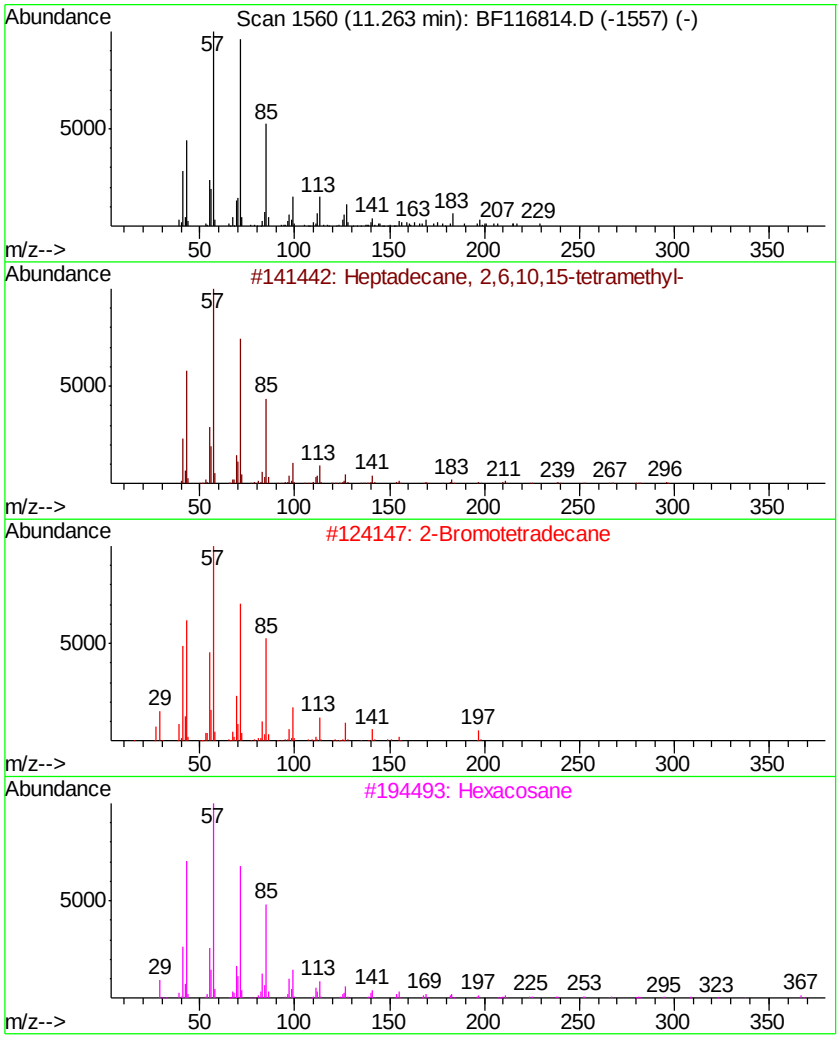
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

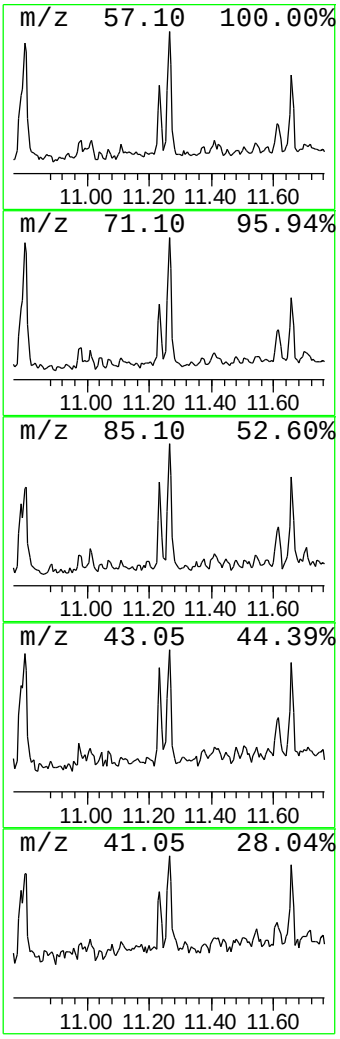
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Heptadecane, 2,6,10,15-tetr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	4.96 ng	155580	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
2	2-Bromotetradecane	276	C14H29Br	074036-95-6	86
3	Hexacosane	366	C26H54	000630-01-3	83
4	Hexadecane	226	C16H34	000544-76-3	83
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83





Library Search Compound Report

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Sample : K4639-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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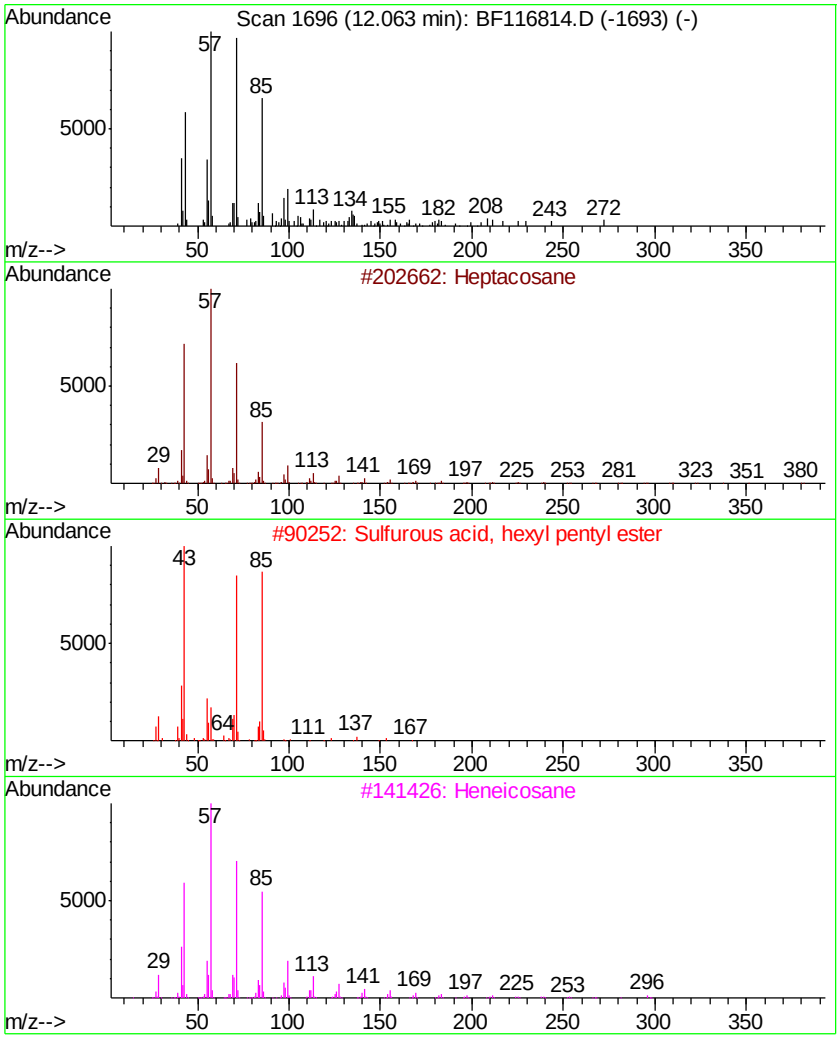
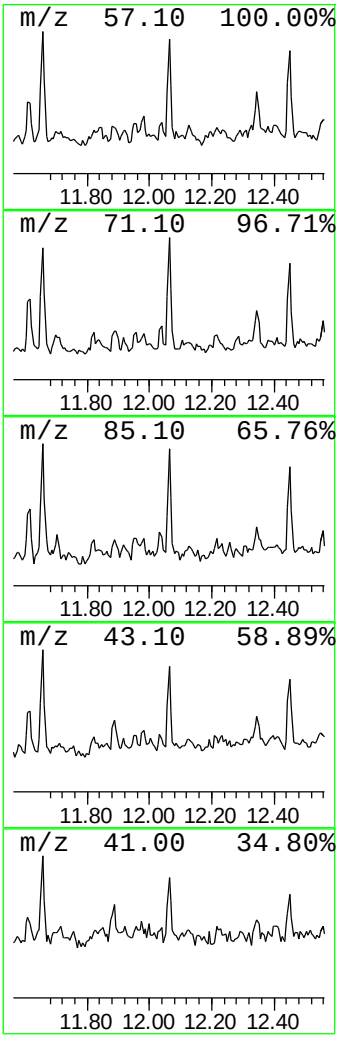
Peak Number 7 Heptacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	2.27 ng	71108	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	72
2	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	58
3	Heneicosane	296	C21H44	000629-94-7	52
4	Sulfurous acid, pentadecyl penty...	362	C20H42O3S	1000309-14-8	50
5	Decane, 1-iodo-	268	C10H21I	002050-77-3	49





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Data File : BF116814.D
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Sample : K4639-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

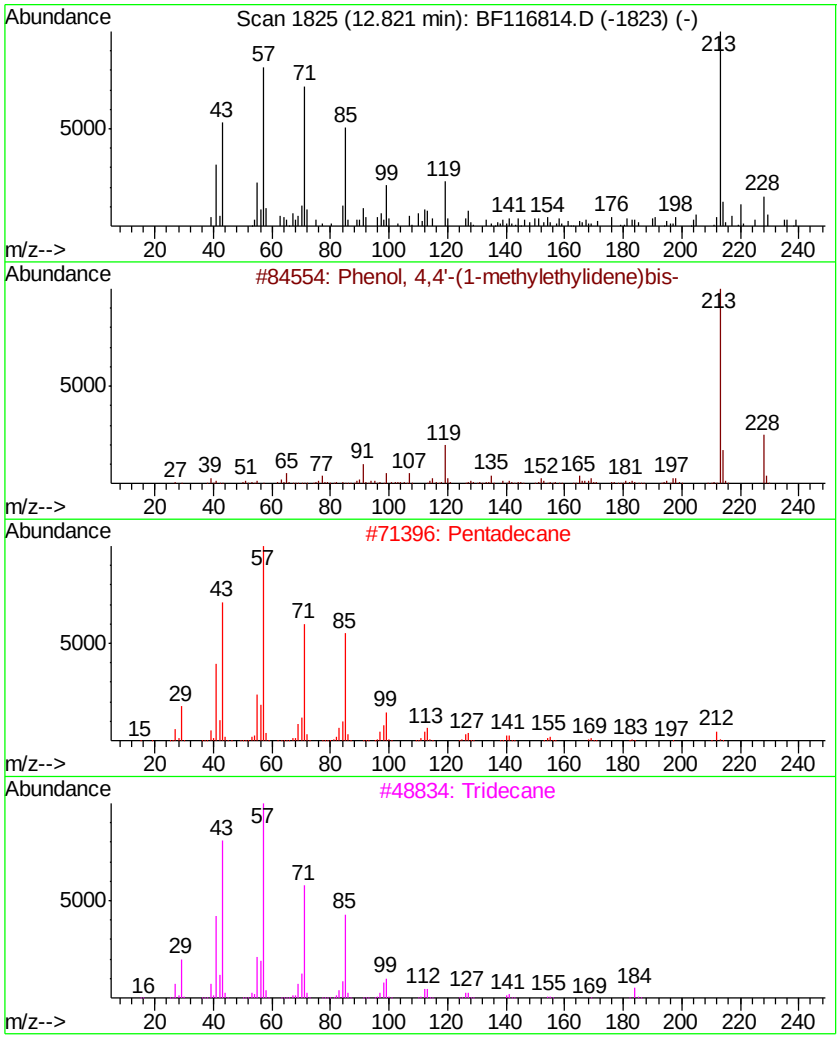
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

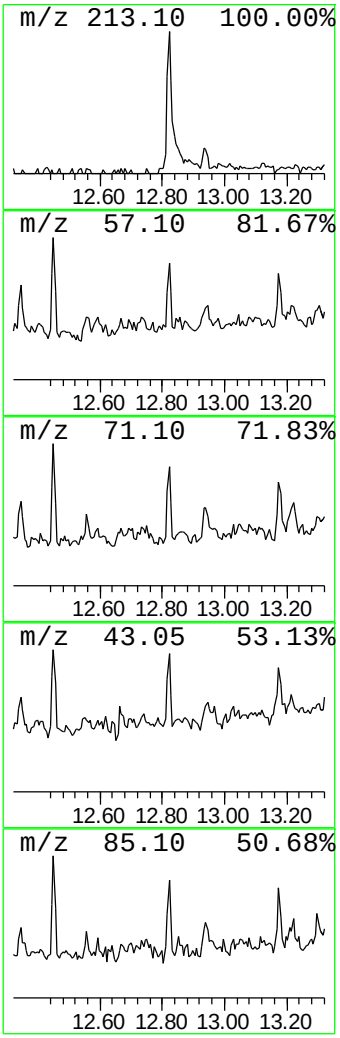
****

Peak Number 8 unknown12.82 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	2.18 ng	64845	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	46
2	Pentadecane	212	C15H32	000629-62-9	42
3	Tridecane	184	C13H28	000629-50-5	38
4	Tetradecane	198	C14H30	000629-59-4	30
5	Indole,6-methyl-2-(2-thienyl)-	213	C13H11NS	296245-70-0	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
Data File : BF116814.D
Acq On : 4 Sep 2019 14:38
Operator : HP/JU
Sample : K4639-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

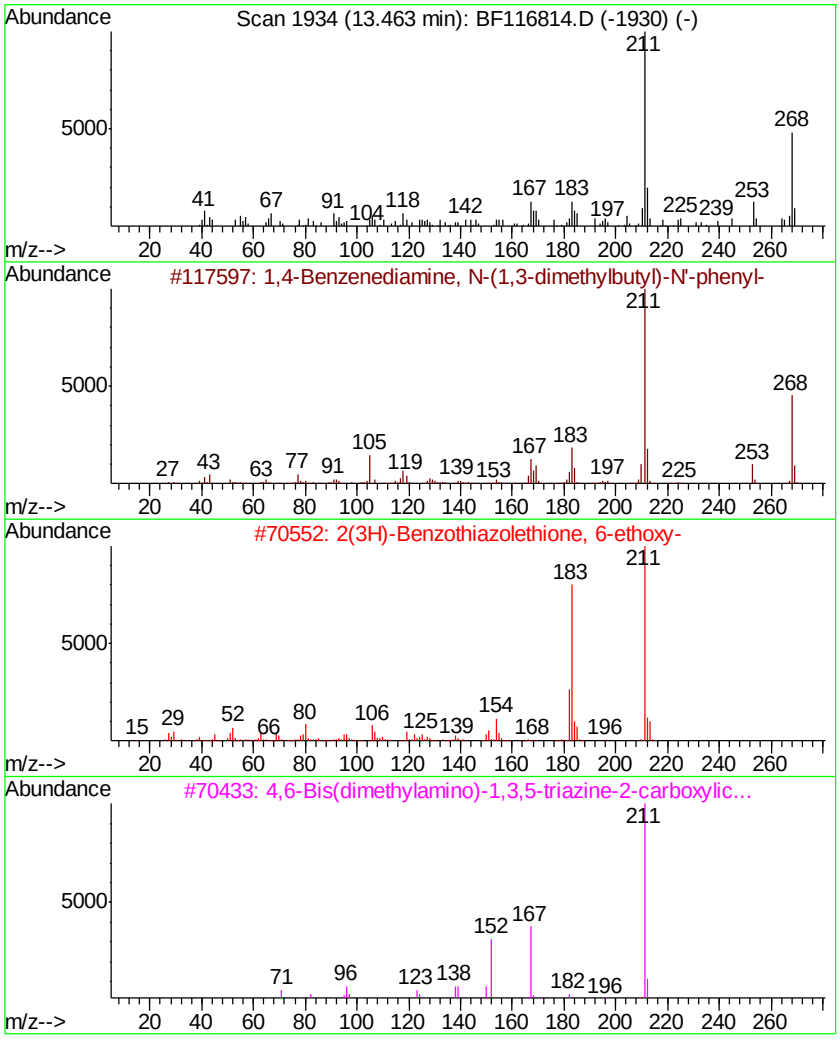
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

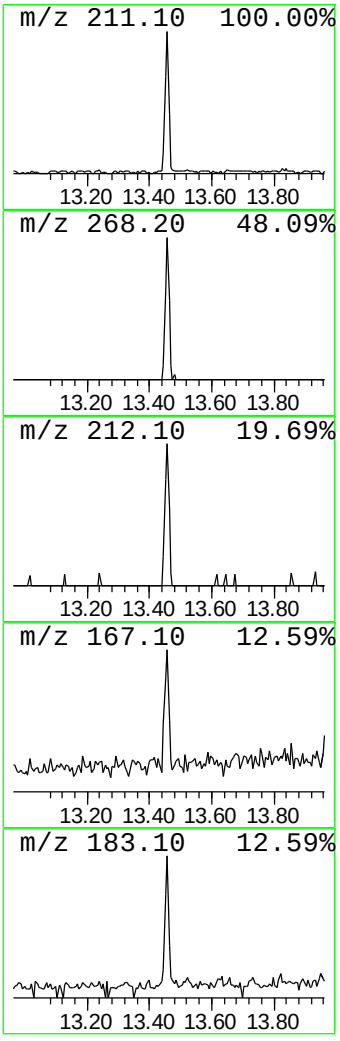
****

Peak Number 9 1,4-Benzenediamine, N-(1,3-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	2.95 ng	87696	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenediamine, N-(1,3-dimet...	268	C18H24N2	000793-24-8	99
2	2(3H)-Benzothiazolethione, 6-eth...	211	C9H9NOS2	000120-53-6	50
3	4,6-Bis(dimethylamino)-1,3,5-tri...	211	C8H13N5O2	1000101-96-9	49
4	Benzene, 1-(1,1-dimethylethyl)-4...	226	C16H18O	005331-28-2	47
5	Fumaric acid, 2-chloropropyl oct...	304	C15H25ClO4	1000348-56-6	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090419\
Data File : BF116814.D
Acq On : 4 Sep 2019 14:38
Operator : HP/JU
Sample : K4639-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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
unknown6.61	6.61	16.2	ng	306544	1	6.85	378444	20.0
Pentacosane	10.53	3.5	ng	110058	3	9.88	619901	20.0
Pentadecane, 2,6,...	10.80	5.8	ng	180621	4	11.36	626992	20.0
Nonadecane	11.23	2.1	ng	66244	4	11.36	626992	20.0
Heptadecane, 2,6,...	11.26	5.0	ng	155580	4	11.36	626992	20.0
Heptacosane	12.06	2.3	ng	71108	4	11.36	626992	20.0
unknown12.82	12.82	2.2	ng	64845	5	13.99	595389	20.0
1,4-Benzenediamin...	13.46	3.0	ng	87696	5	13.99	595389	20.0