LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\
Data File : BF114993.D
Acq On : 13 Jun 2019 10:26
Operator : HP/JU
Sample : K3159-03 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-061119-B

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-BF061219.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	3.569	246	252	261	rVB	77109	123707	3.96%	0.263%
2	5.251	534	538	552	rBV	3044715	2791253	89.41%	5.945%
3	6.287	709	714	717	rBV	3107549	2840521	90.99%	6.050%
4	6.416	732	736	739	rBV	3519334	3031761	97.11%	6.458%
5	6.645	771	775	779	rBV	2071152	1740784	55.76%	3.708%
6	6.804	798	802	805	rBV	2858110	2399573	76.86%	5.111%
7	7.204	866	870	874	rBV	1921608	1780460	57.03%	3.792%
8	7.928	989	993	996	rBV	2737374	2230080	71.43%	4.750%
9	9.004	1171	1176	1179	rBV	3808261	3121878	100.00%	6.650%
10	9.398	1239	1243	1246	rBV	529190	423252	13.56%	0.902%
11	9.675	1286	1290	1293	rBV	2688898	2285823	73.22%	4.869%
12	9.704	1293	1295	1300	rVB	124606	100006	3.20%	0.213%
13	9.875	1320	1324	1328	rBV	55854	56854	1.82%	0.121%
14	10.216	1379	1382	1389	rVB	115336	100623	3.22%	0.214%
15	10.457	1419	1423	1428	rBV	1788639	1596158	51.13%	3.400%
16	10.592	1442	1446	1453	rVB3	71247	91236	2.92%	0.194%
17	11.039	1519	1522	1525	rBV3	88236	71252	2.28%	0.152%
18	11.145	1537	1540	1543	rBV	1967957	1920241	61.51%	4.090%
19	11.169	1543	1544	1548	rVV	662778	458723	14.69%	0.977%
20	11.222	1549	1553	1557	rVB	233373	198874	6.37%	0.424%
21	11.463	1592	1594	1596	rBV	56832	45370	1.45%	0.097%
22	11.563	1607	1611	1614	rVB	845517	727614	23.31%	1.550%
23	11.645	1623	1625	1628	rBV	76958	70095	2.25%	0.149%
24	11.675	1628	1630	1632	rBV	105312	89639	2.87%	0.191%
25	11.692	1632	1633	1636	rVV	86487	63104	2.02%	0.134%
26	11.722	1636	1638	1641	rVB	64507	55147	1.77%	0.117%
27	11.757	1641	1644	1647	rBV	206209	196428	6.29%	0.418%
28	11.869	1661	1663	1667	rVB2	63373	62598	2.01%	0.133%
29	11.939	1673	1675	1678	rBV	61017	61339	1.96%	0.131%
30	12.198	1715	1719	1721	rBV	63417	68620	2.20%	0.146%
31	12.239	1722	1726	1728	rVV	2259306	2192801	70.24%	4.671%
32	12.263	1728	1730	1737	rVV	3116996	2938070	94.11%	6.258%
33	12.351	1741	1745	1749	rVV	1321794	1099193	35.21%	2.341%
34	12.404	1751	1754	1759	rVB5	44141	63982	2.05%	0.136%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3159-03 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-061119-B

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-BF061219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.474	1764	1766	1768	rBV3	37940	42695	1.37%	0.091%
36	12.574	1778	1783	1786	rBV	817156	861032	27.58%	1.834%
37	12.698	1801	1804	1806	rBV	57985	58790	1.88%	0.125%
38	12.727	1806	1809	1813	rVV	2427281	2061466	66.03%	4.391%
39	12.804	1816	1822	1824	rBV2	59294	93928	3.01%	0.200%
40	12.904	1833	1839	1842	rBV	162428	203358	6.51%	0.433%
41	12.974	1847	1851	1853	rBV2	178714	178970	5.73%	0.381%
42	13.010	1855	1857	1859	rVV	95881	83217	2.67%	0.177%
43	13.033	1859	1861	1864	rVB	44146	39799	1.27%	0.085%
44	13.069	1864	1867	1870	rBV2	58926	58961	1.89%	0.126%
45	13.098	1870	1872	1875	rVB	57953	47271	1.51%	0.101%
46	13.127	1875	1877	1883	rBV2	54193	71234	2.28%	0.152%
47	13.516	1940	1943	1946	rBV3	74081	91783	2.94%	0.195%
48	13.645	1962	1965	1971	rBV2	146862	155303	4.97%	0.331%
49	13.769	1981	1986	1989	rBV2	2053022	2172528	69.59%	4.628%
50	13.792	1989	1990	1993	rVB	421732	251153	8.04%	0.535%
51	13.874	2001	2004	2007	rVB	82048	69559	2.23%	0.148%
52	13.963	2016	2019	2021	rBV	157950	143793	4.61%	0.306%
53	14.151	2049	2051	2054	rVB	77176	75235	2.41%	0.160%
54	14.268	2068	2071	2074	rVB	194545	197339	6.32%	0.420%
55	14.557	2117	2120	2126	rBV	416920	400252	12.82%	0.853%
56	14.763	2151	2155	2158	rBV	426160	579079	18.55%	1.233%
57	14.863	2168	2172	2176	rVB	503628	532403	17.05%	1.134%
58	15.033	2198	2201	2206	rVB	240672	271996	8.71%	0.579%
59	15.086	2207	2210	2214	rVV	307441	330216	10.58%	0.703%
60	15.145	2216	2220	2224	rVV	1390050	1631666	52.27%	3.475%
61	15.198	2226	2229	2241	rVB	392226	580075	18.58%	1.236%
62	15.586	2292	2295	2300	rVB	261912	349766	11.20%	0.745%
63	16.039	2368	2372	2379	rVB	131069	218084	6.99%	0.465%

Sum of corrected areas: 46948010

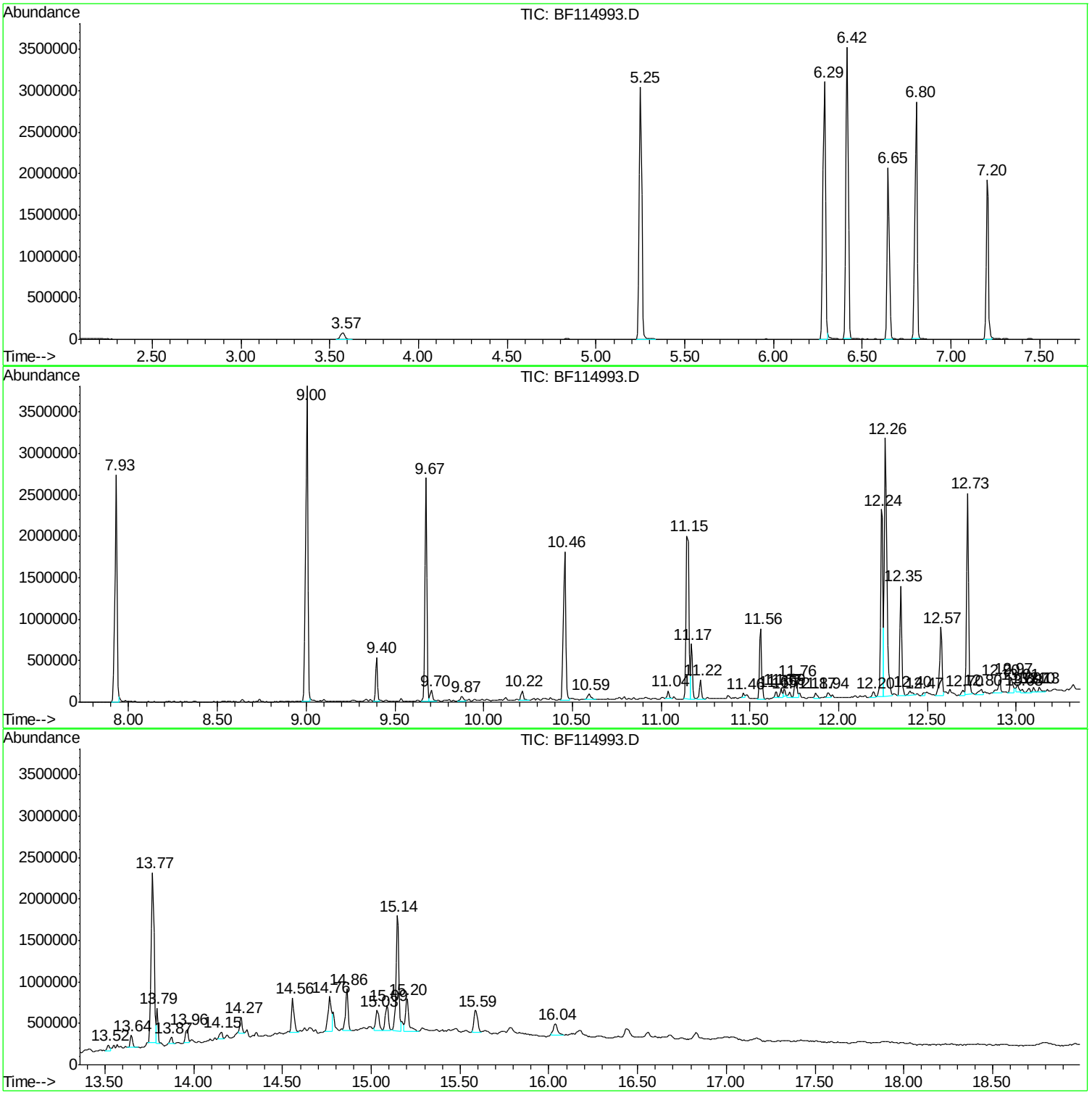
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\
Data File : BF114993.D
Acq On : 13 Jun 2019 10:26
Operator : HP/JU
Sample : K3159-03 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-061119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.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\BF061319\
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Acq On : 13 Jun 2019 10:26
Operator : HP/JU
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-061119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

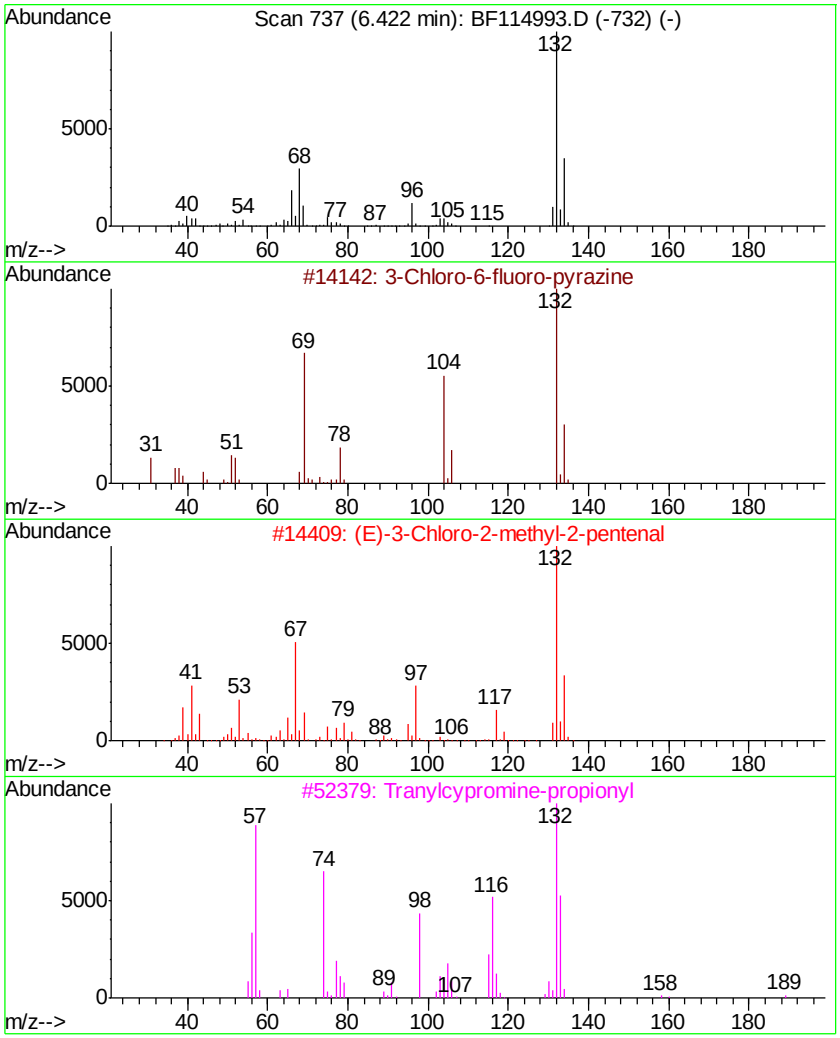
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

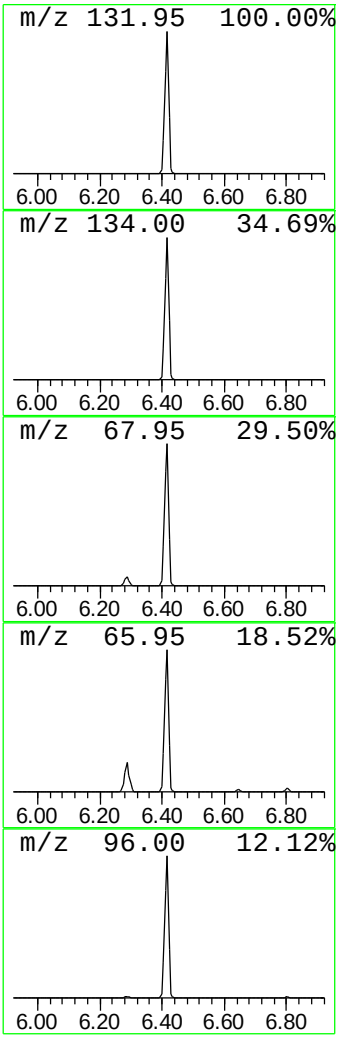
****

Peak Number 1 unknown6.42 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	34.83 ng	3031760	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	5-Aminoindole	132	C8H8N2	005192-03-0	16
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\
Data File : BF114993.D
Acq On : 13 Jun 2019 10:26
Operator : HP/JU
Sample : K3159-03 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-061119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

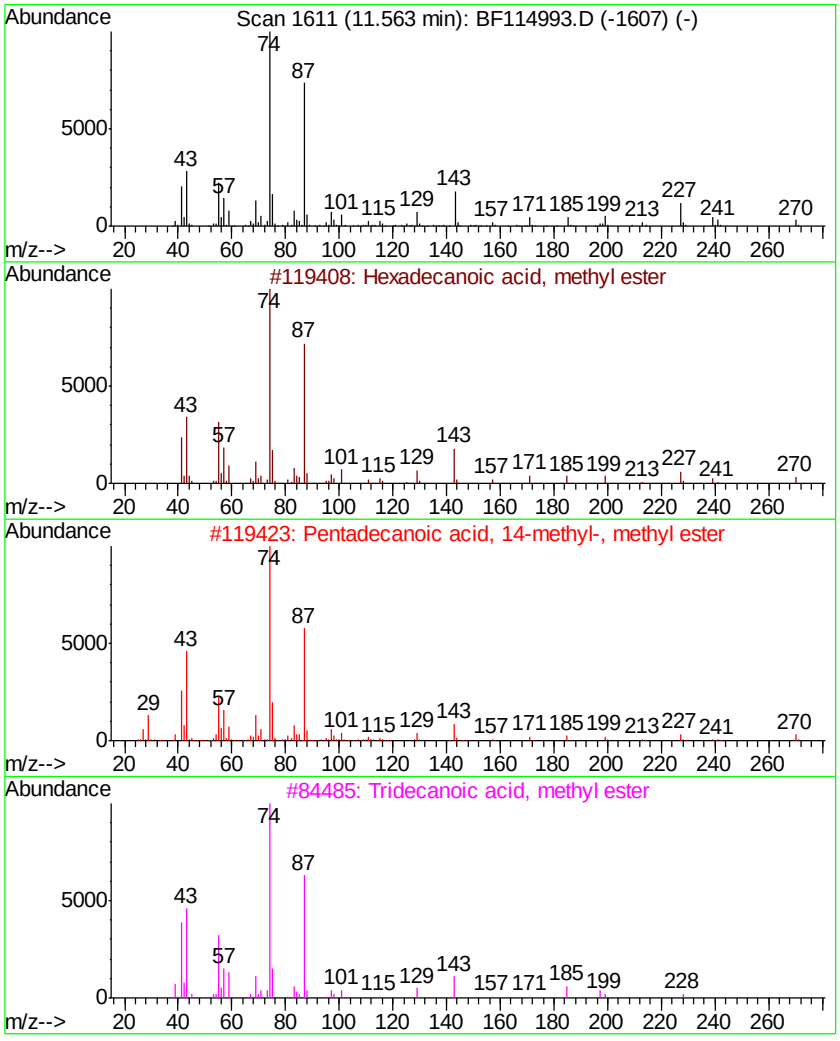
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

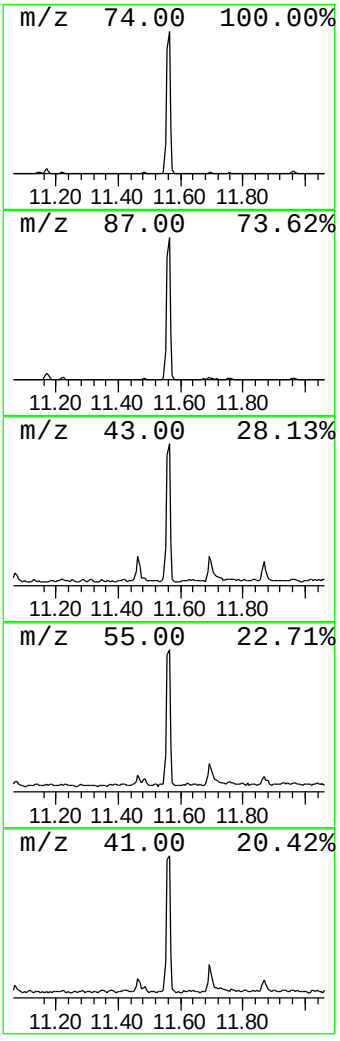
****

Peak Number 4 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	7.58 ng	727614	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\
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Acq On : 13 Jun 2019 10:26
Operator : HP/JU
Sample : K3159-03 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-061119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

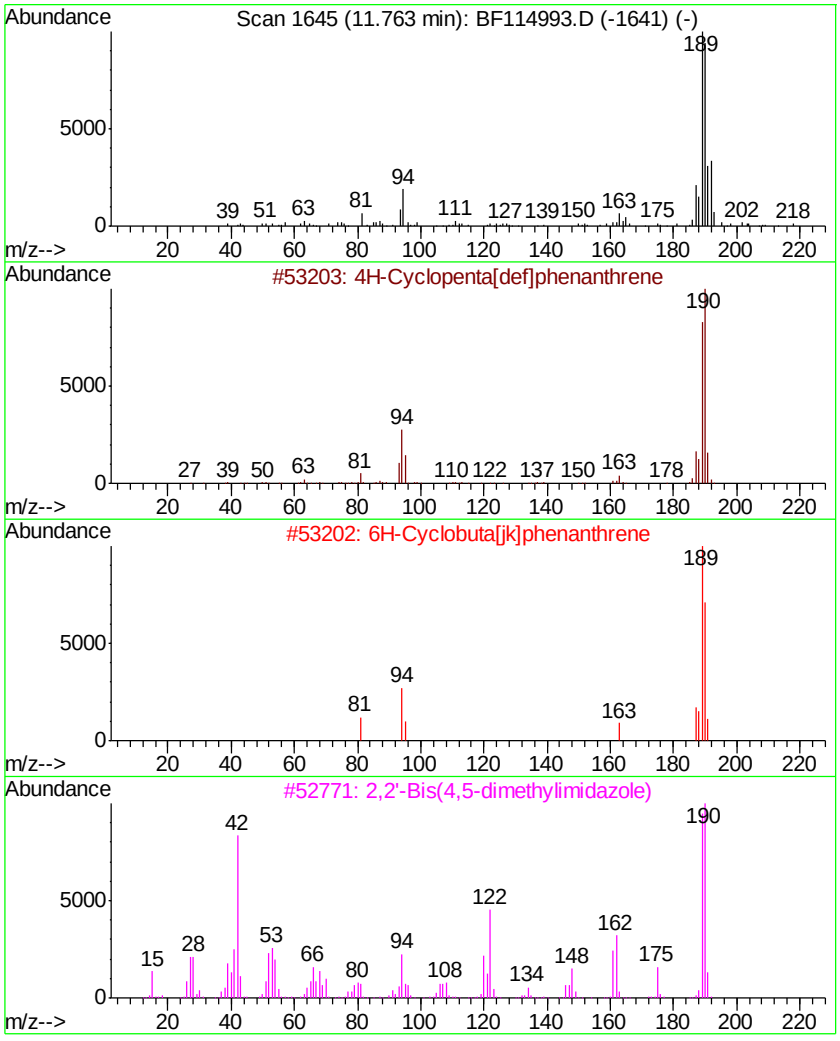
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

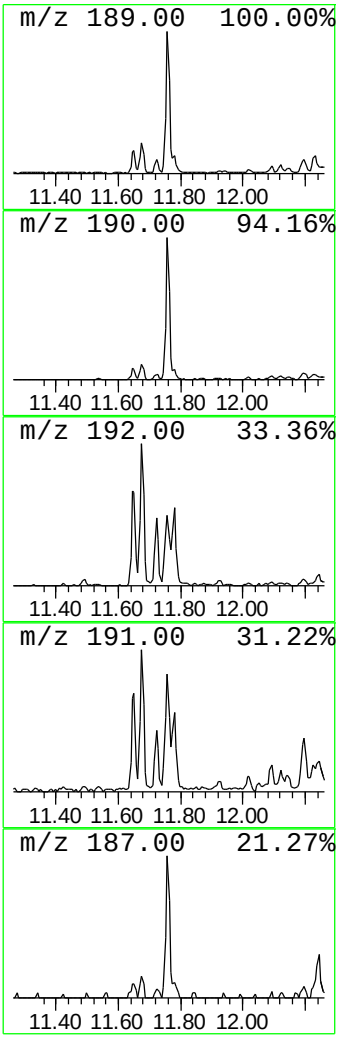
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	2.05 ng	196428	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\
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Instrument : BNA_F
ClientSampleId : OR-03-061119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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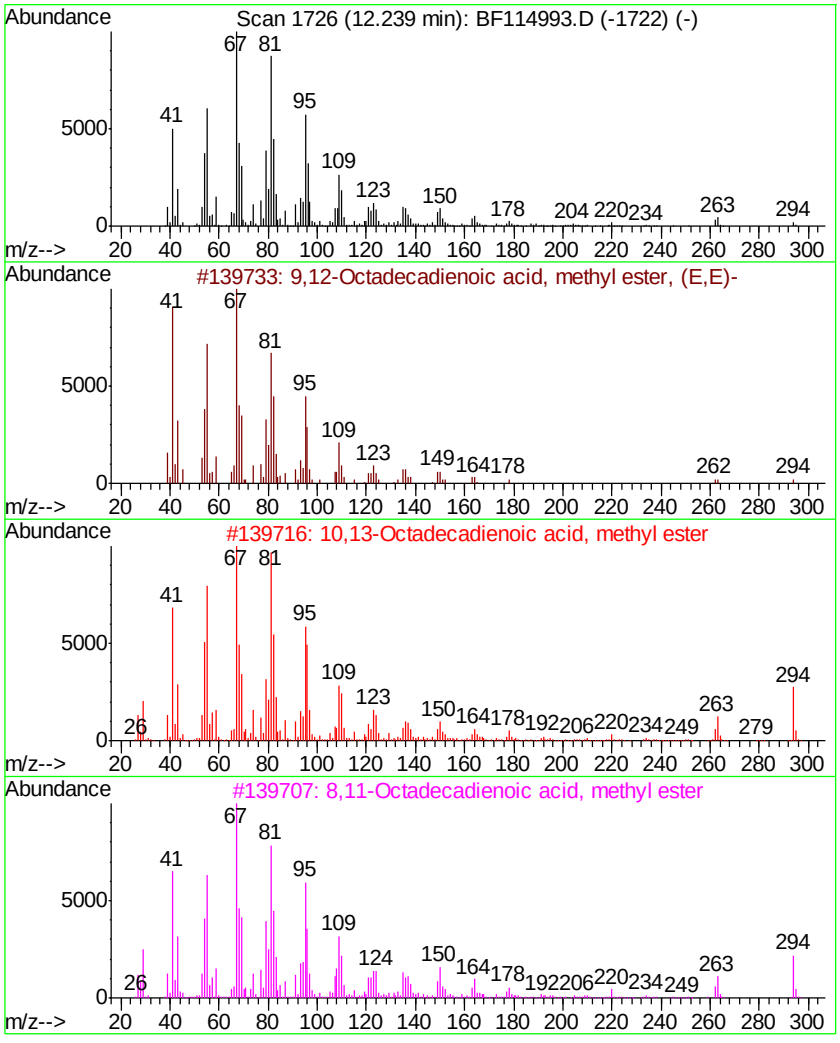
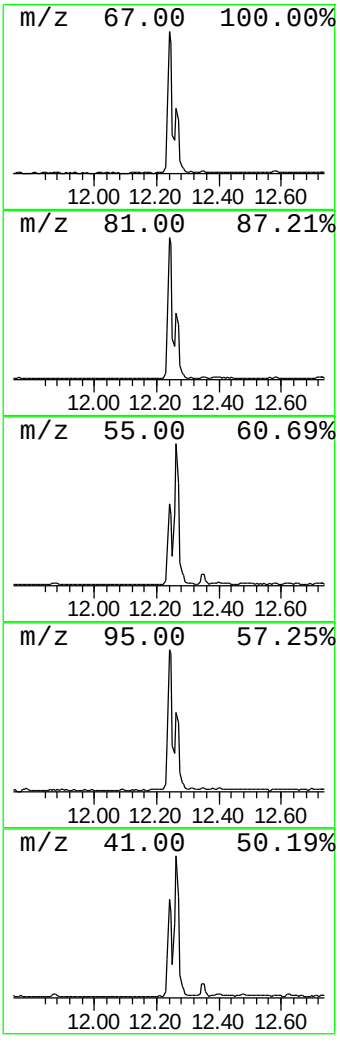
Peak Number 6 9,12-Octadecadienoic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	22.84 ng	2192800	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : OR-03-061119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.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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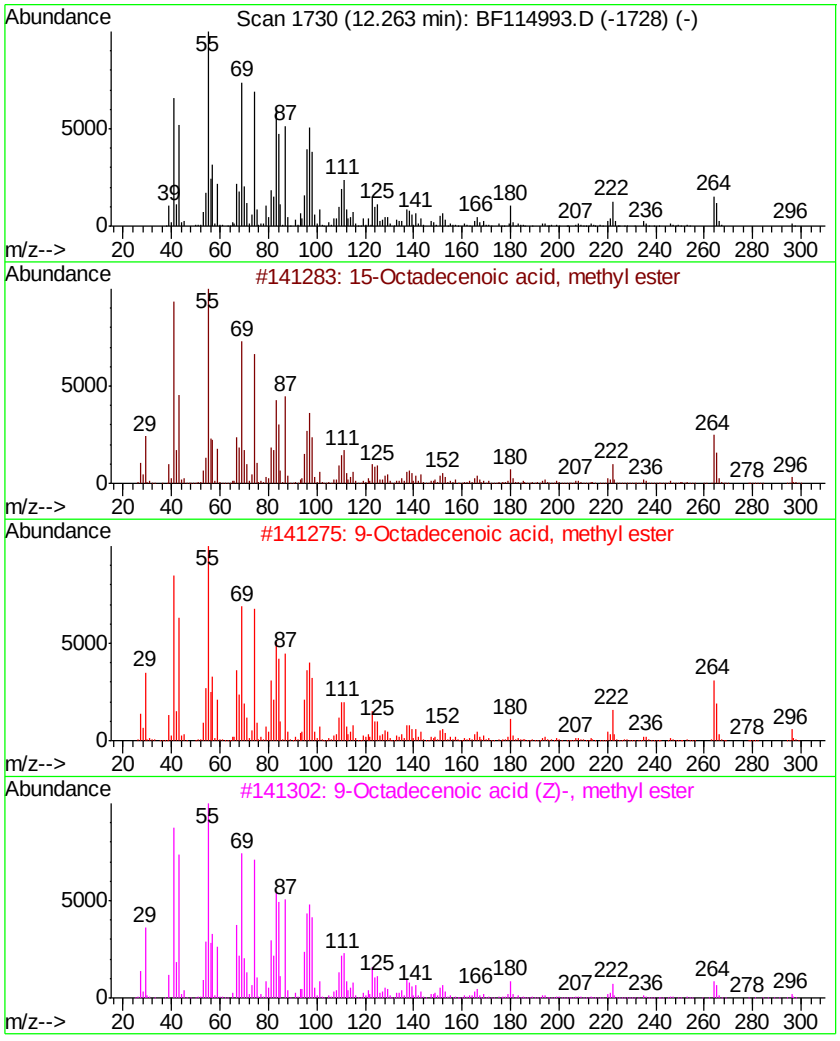
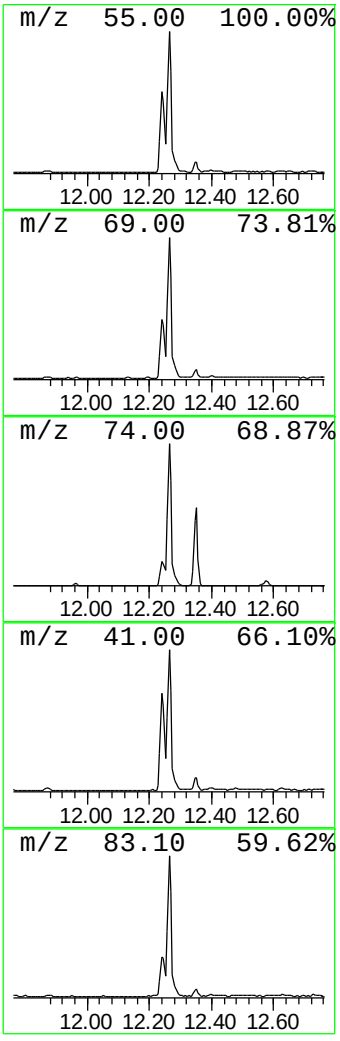
Peak Number 7 15-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	30.60 ng	2938070	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	97
2	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	95
3	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	91
4	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	91
5	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	89





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.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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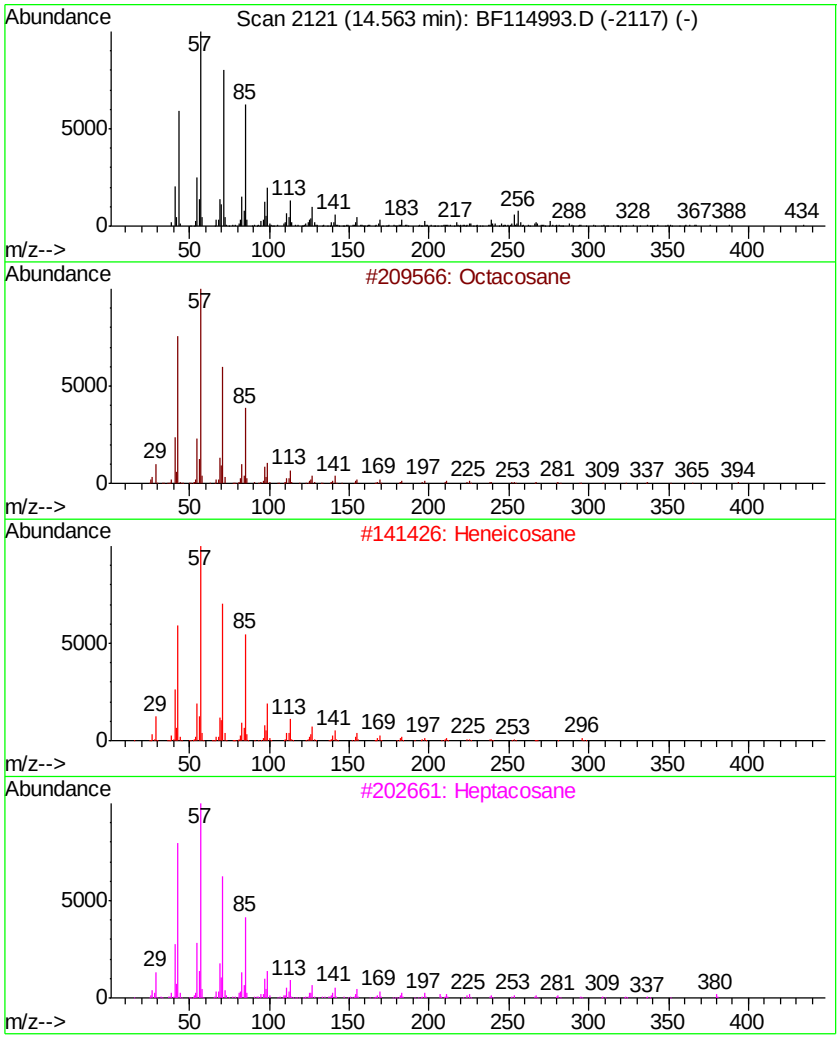
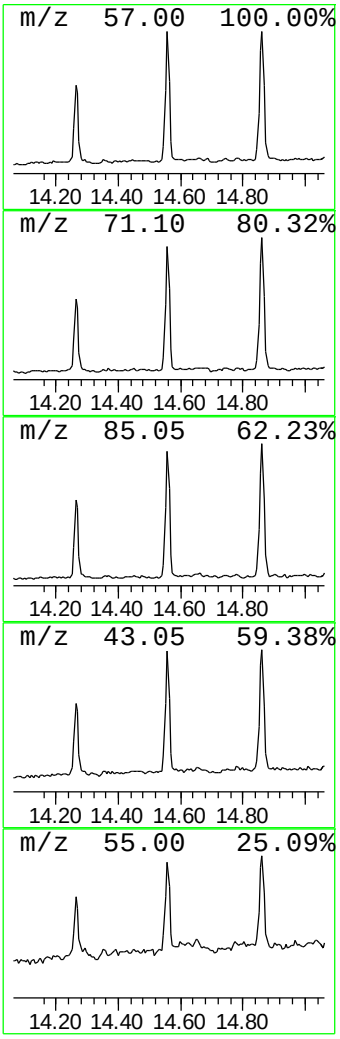
Peak Number 8 Octacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	4.91 ng	400252	Perylene-d12	15.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	95
2	Heneicosane	296	C21H44	000629-94-7	91
3	Heptacosane	380	C27H56	000593-49-7	91
4	Triacontane	422	C30H62	000638-68-6	91
5	Nonadecane	268	C19H40	000629-92-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\
Data File : BF114993.D
Acq On : 13 Jun 2019 10:26
Operator : HP/JU
Sample : K3159-03 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-061119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

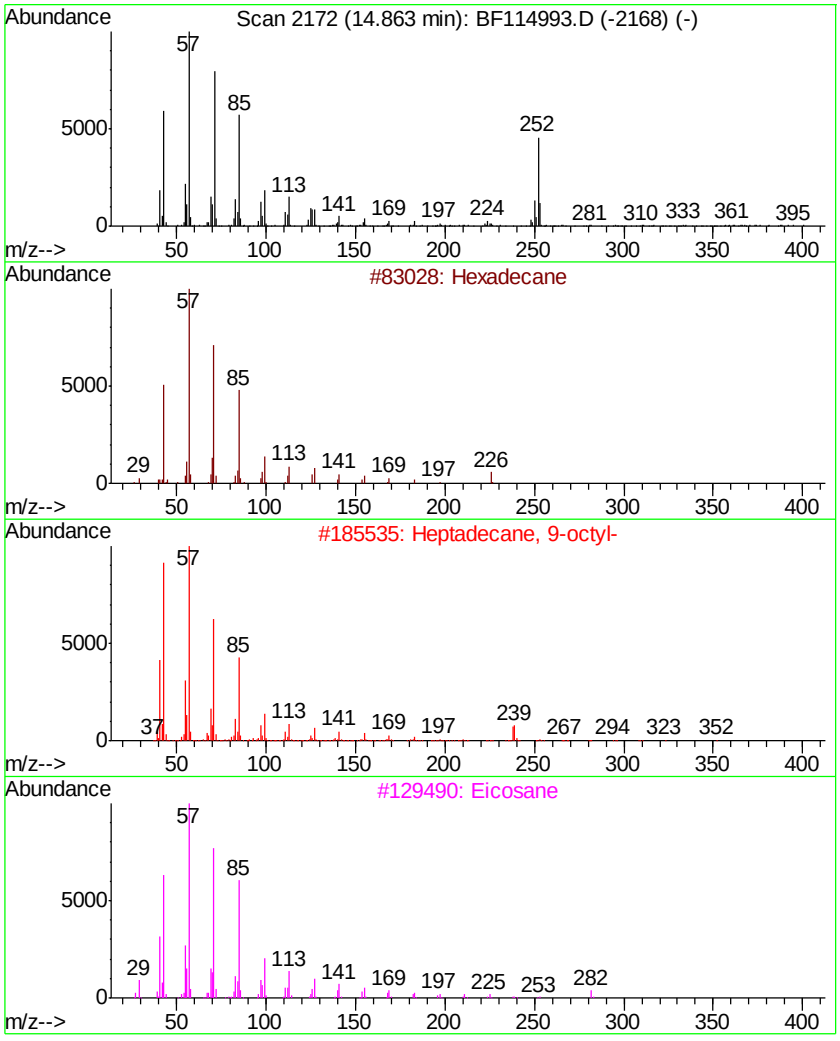
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

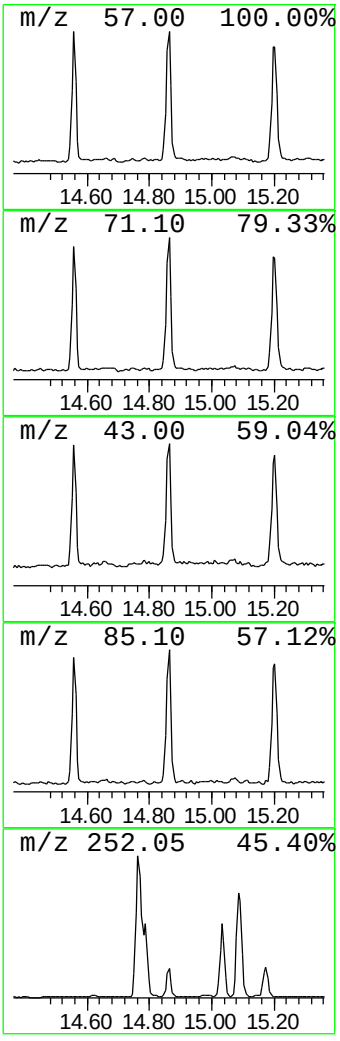
****

Peak Number 9 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	6.53 ng	532403	Perylene-d12	15.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	92
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83
3	Eicosane	282	C20H42	000112-95-8	83
4	Hexacosane	366	C26H54	000630-01-3	64
5	2-methyloctacosane	408	C29H60	1000376-72-8	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\
Data File : BF114993.D
Acq On : 13 Jun 2019 10:26
Operator : HP/JU
Sample : K3159-03 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-061119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.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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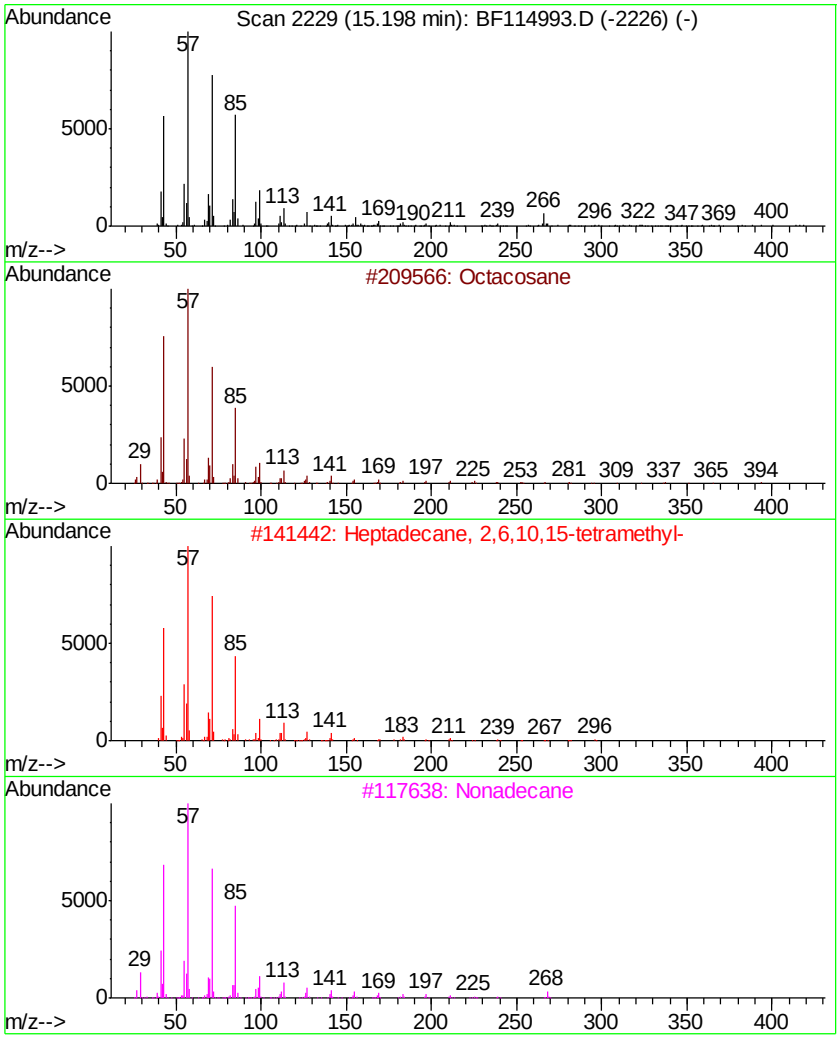
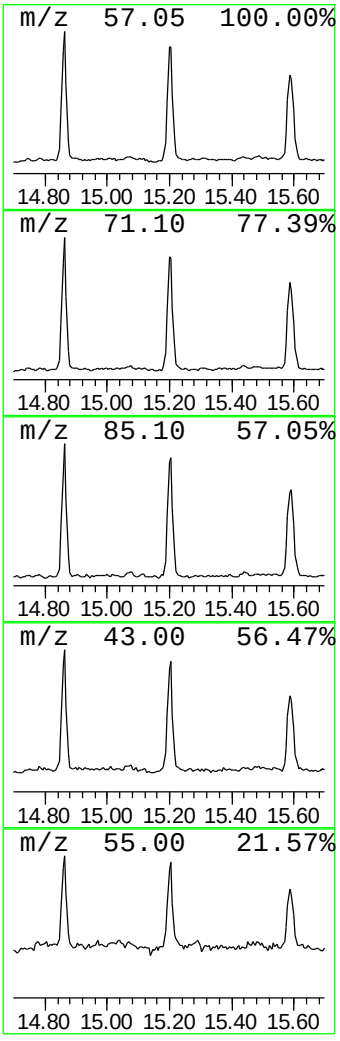
Peak Number 11 Heptadecane, 2,6,10,15-tetr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	7.11 ng	580075	Perylene-d12	15.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	93
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
3	Nonadecane	268	C19H40	000629-92-5	93
4	Triacontane	422	C30H62	000638-68-6	90
5	Hexacosane	366	C26H54	000630-01-3	87





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Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-061119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
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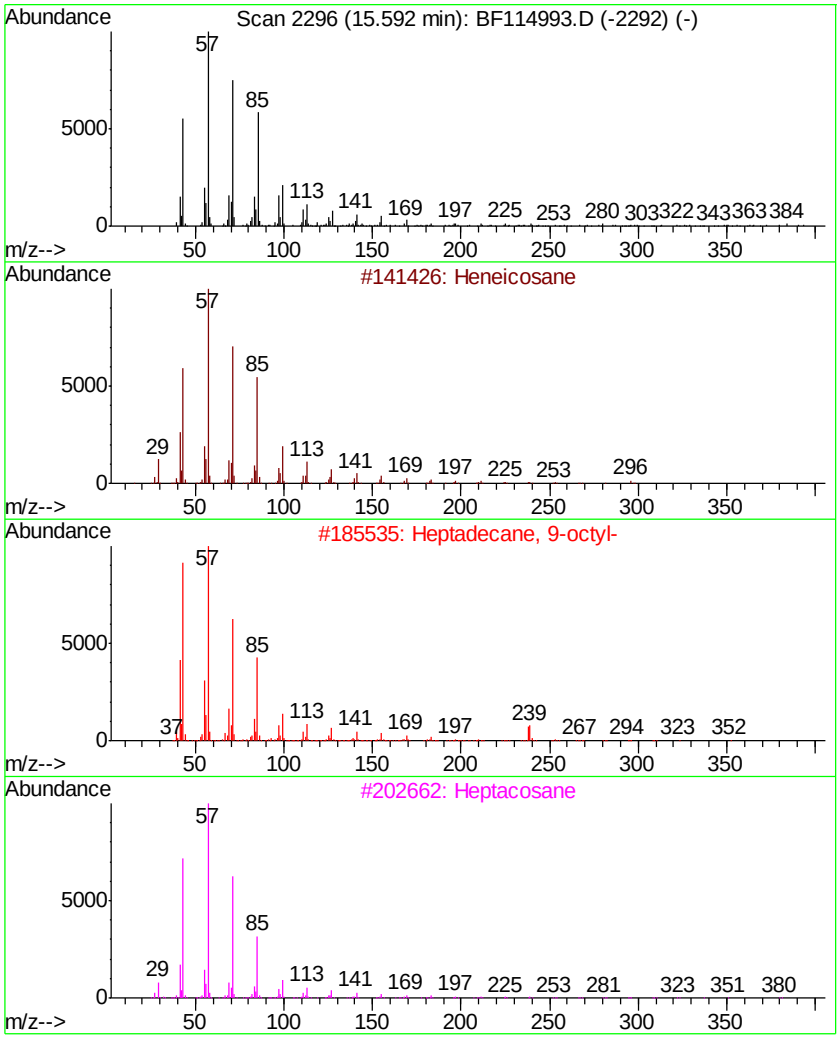
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

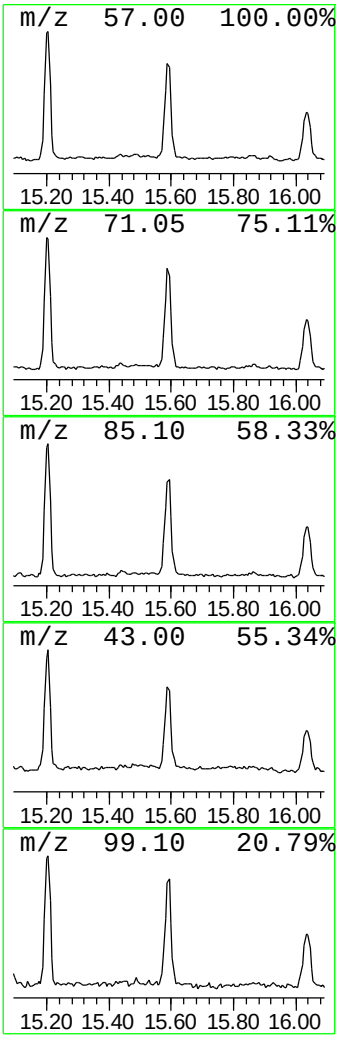
****

Peak Number 12 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	4.29 ng	349766	Perylene-d12	15.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	94
3	Heptacosane	380	C27H56	000593-49-7	94
4	Tetracosane	338	C24H50	000646-31-1	91
5	Pentacosane	352	C25H52	000629-99-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\
Data File : BF114993.D
Acq On : 13 Jun 2019 10:26
Operator : HP/JU
Sample : K3159-03 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-061119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.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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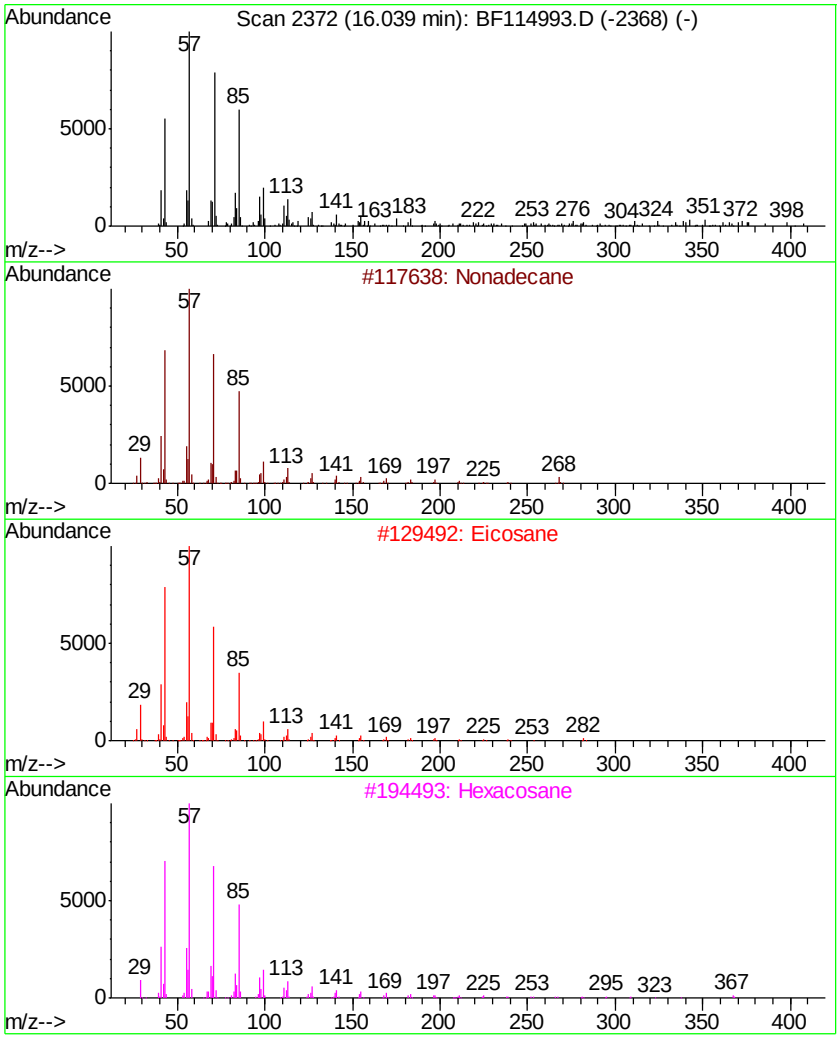
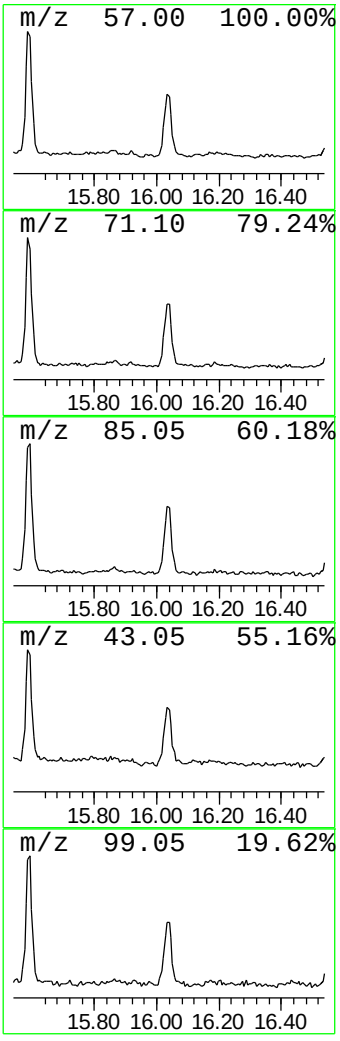
Peak Number 13 Nonadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.67 ng	218084	Perylene-d12	15.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	94
2	Eicosane	282	C20H42	000112-95-8	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	2-methyloctacosane	408	C29H60	1000376-72-8	91
5	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061319\
Data File : BF114993.D
Acq On : 13 Jun 2019 10:26
Operator : HP/JU
Sample : K3159-03 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-061119-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.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
unknown6.42	6.42	34.8	ng	3031760	1	6.65	1740780	20.0
Hexadecanoic acid...	11.56	7.6	ng	727614	4	11.15	1920240	20.0
4H-Cyclopenta[def...	11.76	2.0	ng	196428	4	11.15	1920240	20.0
9,12-Octadecadien...	12.24	22.8	ng	2192800	4	11.15	1920240	20.0
15-Octadecenoic a...	12.26	30.6	ng	2938070	4	11.15	1920240	20.0
Octacosane	14.56	4.9	ng	400252	6	15.14	1631670	20.0
Hexadecane	14.86	6.5	ng	532403	6	15.14	1631670	20.0
Heptadecane, 2,6,...	15.20	7.1	ng	580075	6	15.14	1631670	20.0
Heneicosane	15.59	4.3	ng	349766	6	15.14	1631670	20.0
Nonadecane	16.04	2.7	ng	218084	6	15.14	1631670	20.0