LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112162.D
Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

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-BF011619.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	5.481	574	577	594	rBV	826857	845657	9.43%	1.812%
2	6.492	746	749	759	rBV	953914	854928	9.53%	1.832%
3	6.628	768	772	779	rVB	1052585	924242	10.31%	1.981%
4	6.851	807	810	818	rBV	1407894	1286244	14.35%	2.757%
5	7.010	833	837	840	rBV	898437	769568	8.58%	1.649%
6	7.128	854	857	860	rVB2	106571	100390	1.12%	0.215%
7	7.245	872	877	880	rBV4	86373	109824	1.22%	0.235%
8	7.387	896	901	902	rBV2	80282	89724	1.00%	0.192%
9	7.410	902	905	908	rVV	538726	492173	5.49%	1.055%
10	7.451	910	912	916	rVB	187000	150018	1.67%	0.322%
11	7.504	916	921	923	rBV5	90256	127792	1.43%	0.274%
12	7.663	945	948	951	rVB3	92237	89922	1.00%	0.193%
13	7.822	971	975	977	rVB3	94432	103830	1.16%	0.223%
14	7.851	977	980	982	rBV3	111300	94901	1.06%	0.203%
15	7.886	982	986	988	rBV5	90424	134604	1.50%	0.288%
16	8.086	1015	1020	1023	rBV4	62837	118995	1.33%	0.255%
17	8.134	1023	1028	1032	rVV	1657474	1771993	19.76%	3.798%
18	8.198	1035	1039	1041	rVB2	307325	290770	3.24%	0.623%
19	8.345	1060	1064	1066	rVB2	200087	187215	2.09%	0.401%
20	8.428	1074	1078	1085	rVB5	211086	300879	3.36%	0.645%
21	8.481	1085	1087	1090	rBV3	135740	131779	1.47%	0.282%
22	8.516	1090	1093	1096	rBV4	111019	127859	1.43%	0.274%
23	8.557	1097	1100	1102	rBV	347309	274280	3.06%	0.588%
24	8.639	1112	1114	1117	rBV	187954	162589	1.81%	0.348%
25	8.681	1117	1121	1123	rBV3	127771	120502	1.34%	0.258%
26	8.728	1126	1129	1133	rBV2	307586	278734	3.11%	0.597%
27	8.822	1142	1145	1148	rVB2	148574	176617	1.97%	0.379%
28	9.010	1175	1177	1181	rBV4	69153	101883	1.14%	0.218%
29	9.045	1181	1183	1187	rVB2	82879	104446	1.16%	0.224%
30	9.086	1187	1190	1194	rVB3	73575	115934	1.29%	0.248%
31	9.157	1199	1202	1207	rVB3	464332	423793	4.73%	0.908%
32	9.210	1207	1211	1214	rBV	951835	824583	9.20%	1.767%
33	9.292	1221	1225	1230	rBV	387954	433442	4.83%	0.929%
34	9.480	1253	1257	1260	rVB4	77620	101708	1.13%	0.218%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
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Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

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-BF011619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.569	1270	1272	1275	rVB4	103238	98487	1.10%	0.211%
36	9.610	1275	1279	1282	rVV3	342963	437074	4.87%	0.937%
37	9.804	1308	1312	1313	rBV4	73429	92297	1.03%	0.198%
38	9.822	1313	1315	1319	rVB	324185	243430	2.71%	0.522%
39	9.892	1323	1327	1330	rVB	1521819	1290616	14.39%	2.766%
40	10.051	1349	1354	1357	rBV6	80012	126497	1.41%	0.271%
41	10.080	1357	1359	1366	rVV4	100679	177817	1.98%	0.381%
42	10.139	1366	1369	1374	rVV5	101762	159030	1.77%	0.341%
43	10.322	1394	1400	1402	rBV	311437	311590	3.48%	0.668%
44	10.439	1416	1420	1426	rBV4	95151	146426	1.63%	0.314%
45	10.539	1432	1437	1443	rVB	201176	276646	3.09%	0.593%
46	10.680	1458	1461	1464	rVB	436799	384302	4.29%	0.824%
47	10.792	1477	1480	1481	rBV	347072	294329	3.28%	0.631%
48	11.239	1553	1556	1559	rBV	293390	243672	2.72%	0.522%
49	11.269	1559	1561	1567	rVB	249319	263858	2.94%	0.565%
50	11.374	1576	1579	1582	rBV	1479424	1371315	15.29%	2.939%
51	11.398	1582	1583	1590	rVV	460116	390603	4.36%	0.837%
52	11.451	1590	1592	1595	rVB	133071	110979	1.24%	0.238%
53	11.663	1626	1628	1631	rBV	254887	233457	2.60%	0.500%
54	11.763	1642	1645	1649	rBV	2862161	2512170	28.02%	5.384%
55	11.904	1666	1669	1672	rVB2	99120	89806	1.00%	0.192%
56	12.074	1695	1698	1702	rVB	224468	205756	2.29%	0.441%
57	12.457	1758	1763	1764	rBV	7649073	7521327	83.88%	16.119%
58	12.474	1764	1766	1772	rVV	8459705	8966435	100.00%	19.216%
59	12.521	1772	1774	1777	rVB3	143902	115483	1.29%	0.247%
60	12.557	1777	1780	1783	rBV	1420633	1128385	12.58%	2.418%
61	12.592	1783	1786	1791	rBV	519062	471847	5.26%	1.011%
62	12.645	1791	1795	1797	rBV4	61331	94754	1.06%	0.203%
63	12.792	1817	1820	1822	rBV	207592	212626	2.37%	0.456%
64	12.821	1822	1825	1832	rVB2	427192	543600	6.06%	1.165%
65	12.957	1845	1848	1851	rVB	1046118	846492	9.44%	1.814%
66	13.116	1873	1875	1877	rBV	216394	185588	2.07%	0.398%
67	13.186	1885	1887	1889	rBV	220147	247412	2.76%	0.530%
68	13.280	1900	1903	1906	rVB	229265	192914	2.15%	0.413%
69	13.527	1943	1945	1948	rBV2	179234	165740	1.85%	0.355%
70	13.857	1999	2001	2006	rVB2	208916	185955	2.07%	0.399%
71	13.951	2014	2017	2022	rBV	196870	231707	2.58%	0.497%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112162.D
Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

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-BF011619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.021	2024	2029	2031	rVV	1398933	1482938	16.54%	3.178%
73	14.045	2031	2033	2035	rVB	150129	120298	1.34%	0.258%
74	14.174	2053	2055	2060	rVB	253127	197282	2.20%	0.423%
75	14.480	2105	2107	2110	rVB	283279	227772	2.54%	0.488%
76	14.786	2157	2159	2162	rVB	278253	229710	2.56%	0.492%
77	15.121	2214	2216	2223	rVB	304098	331854	3.70%	0.711%
78	15.498	2276	2280	2289	rVB2	838894	1278571	14.26%	2.740%

Sum of corrected areas: 46660665

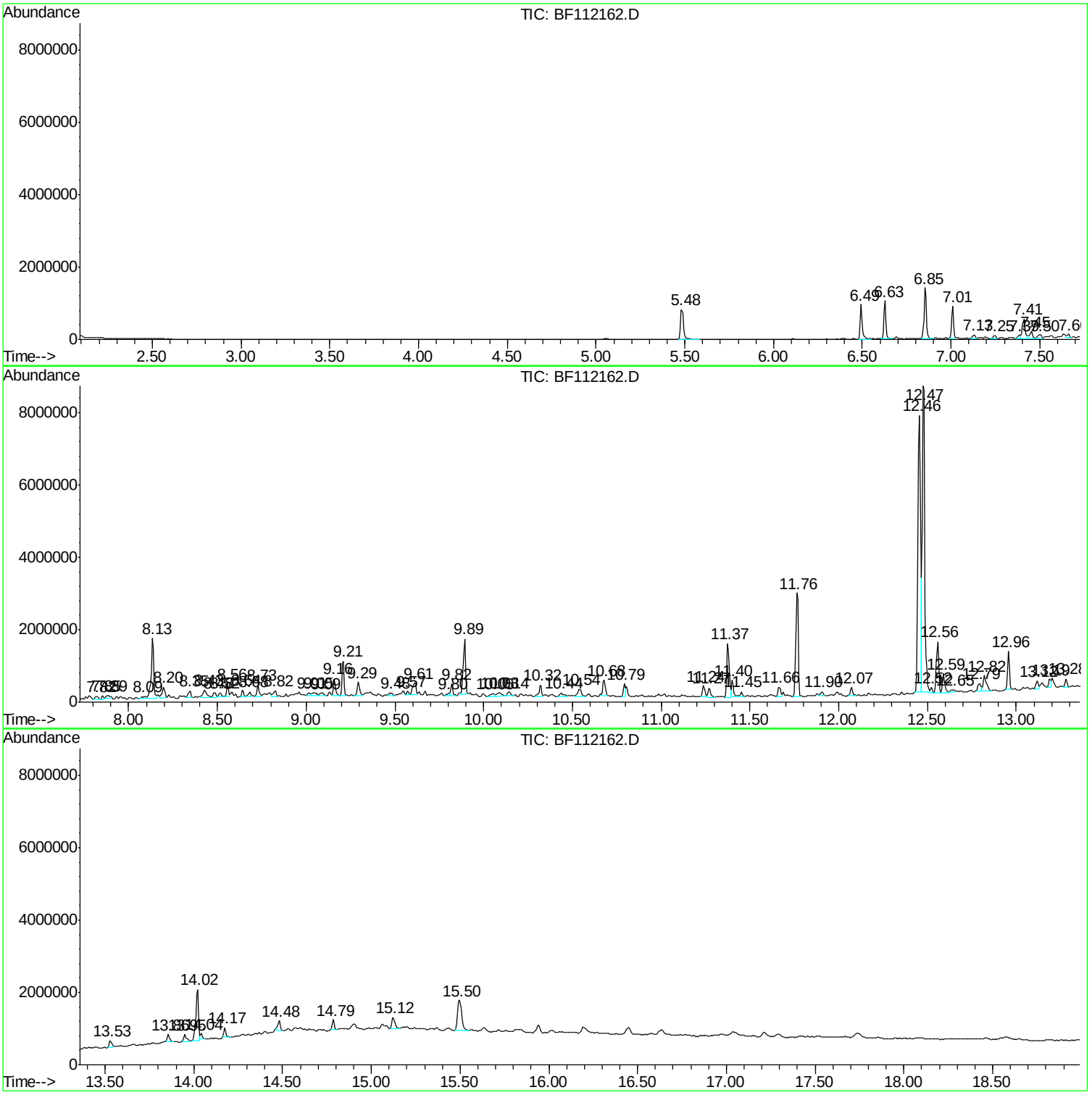
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112162.D
Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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\BF012119\
Data File : BF112162.D
Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

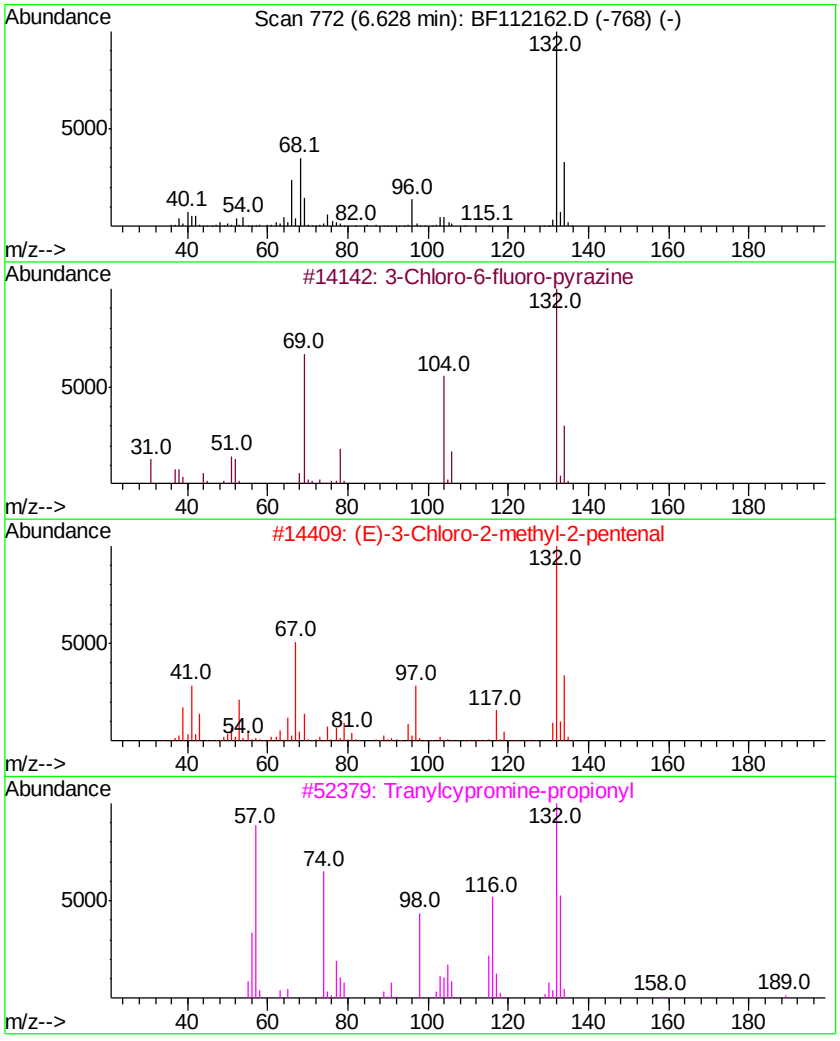
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

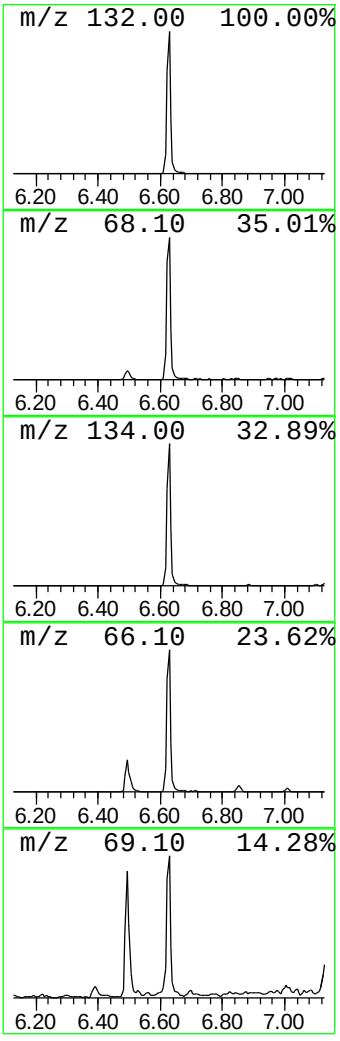
****

Peak Number 1 unknown6.63 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	14.37 ng	924242	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	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112162.D
Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

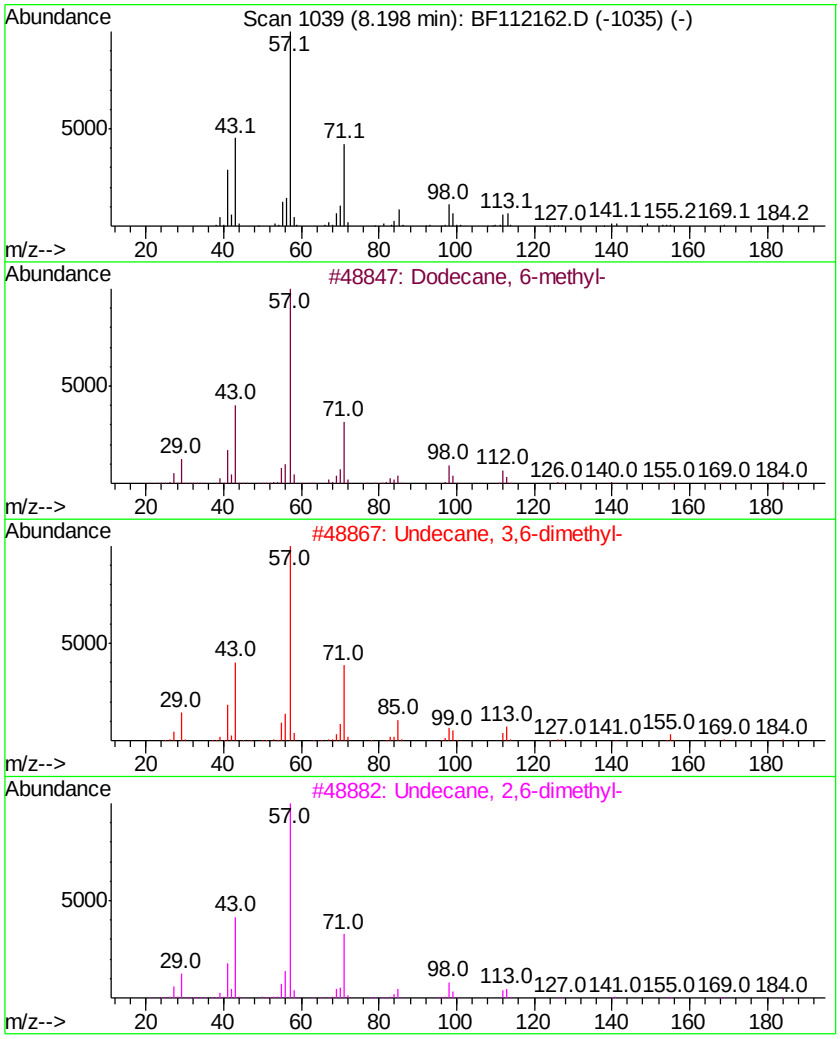
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

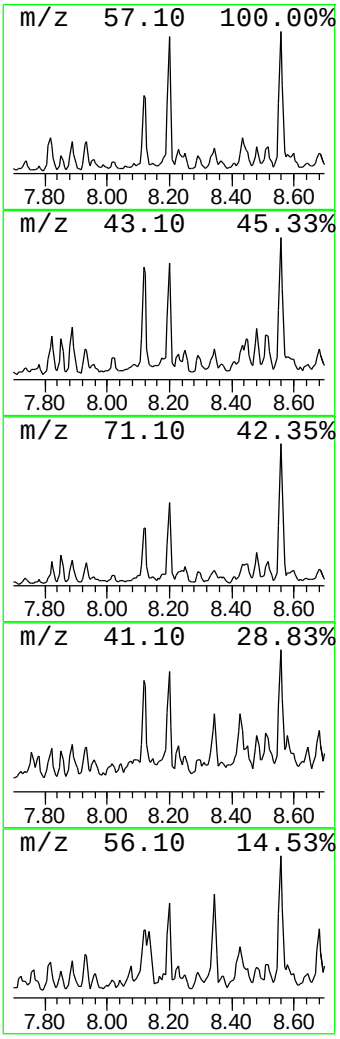
****

Peak Number 3 Dodecane, 6-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	3.28 ng	290770	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-	184	C13H28	006044-71-9	94
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	91
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
4	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	87
5	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112162.D
Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

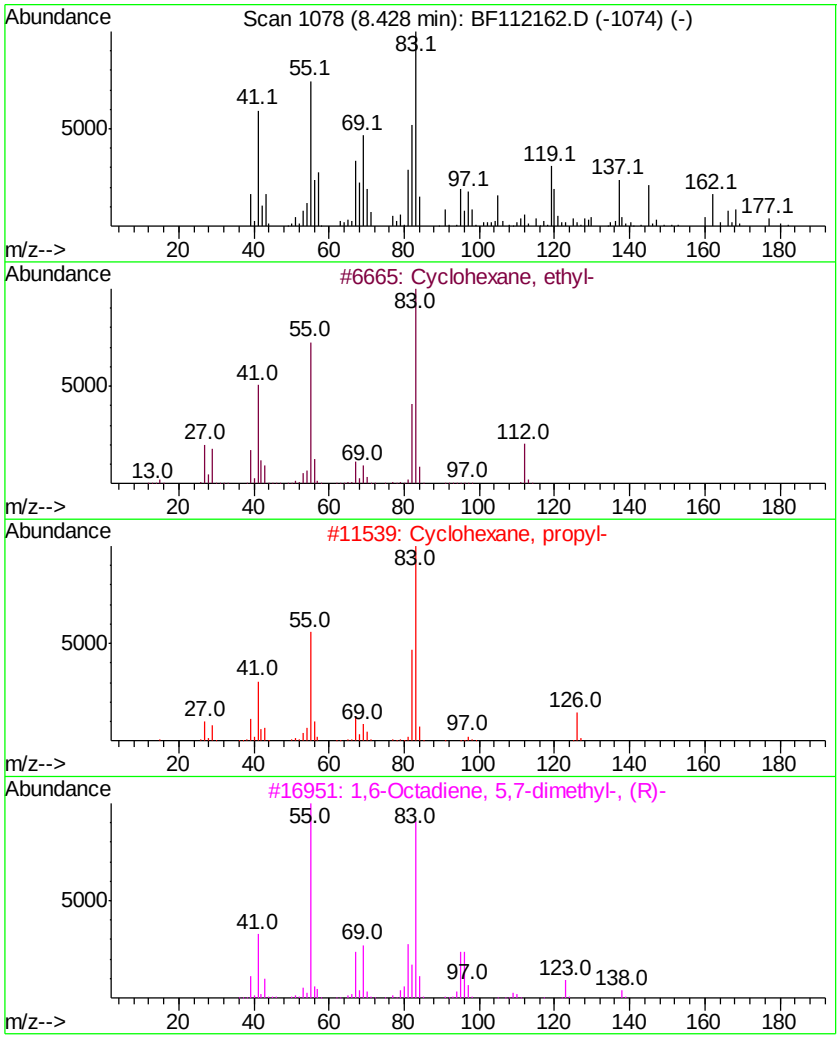
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

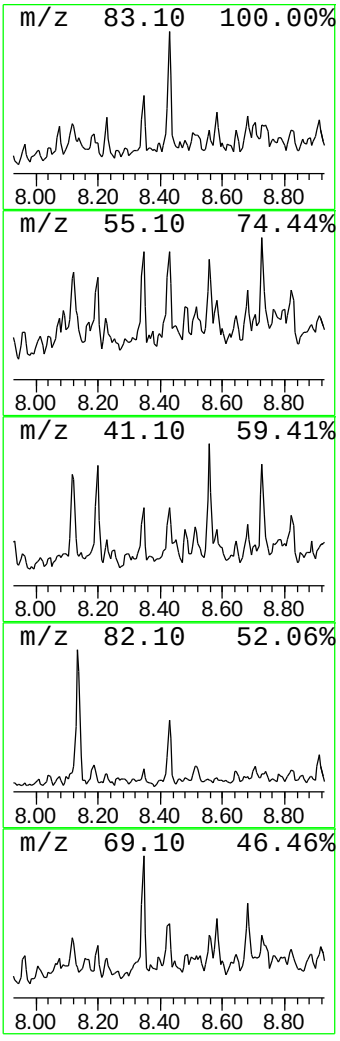
****

Peak Number 4 unknown8.43 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	3.40 ng	300879	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	43
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	43
3	1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	43
4	2-Butyl-.delta.1-pyrroline	125	C8H15N	064319-86-4	43
5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
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Misc :
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Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

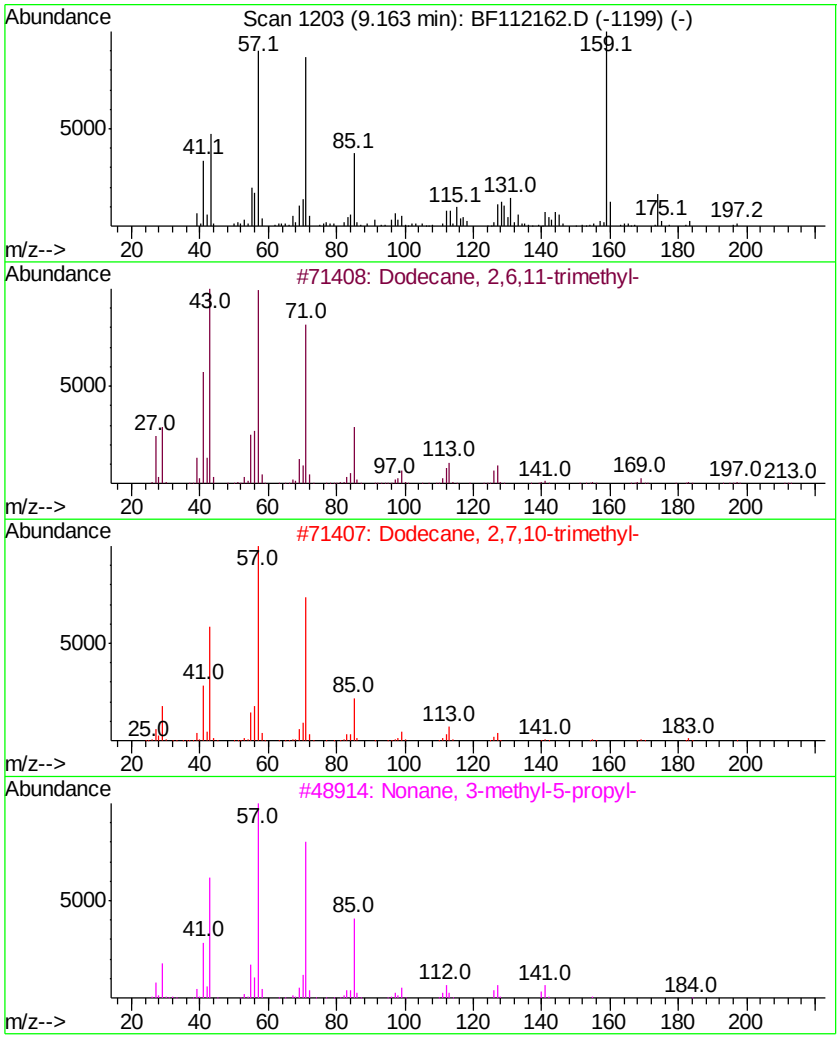
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

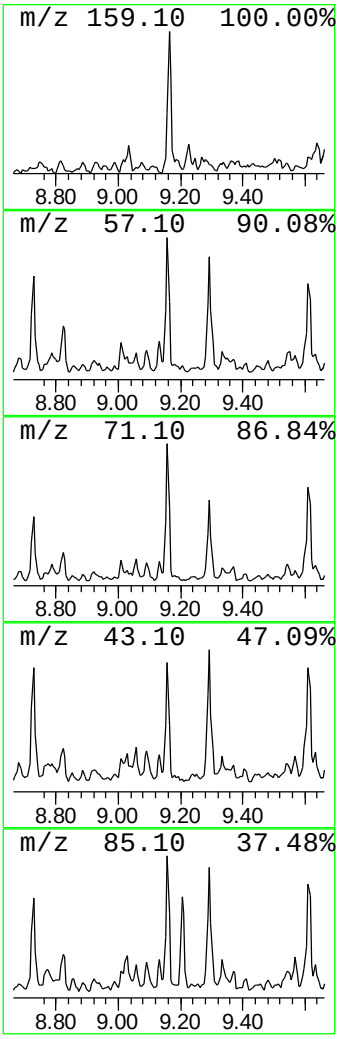
****

Peak Number 5 Dodecane, 2,6,11-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	6.57 ng	423793	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
3	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	53
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	52
5	Decane, 5-propyl-	184	C13H28	017312-62-8	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112162.D
Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

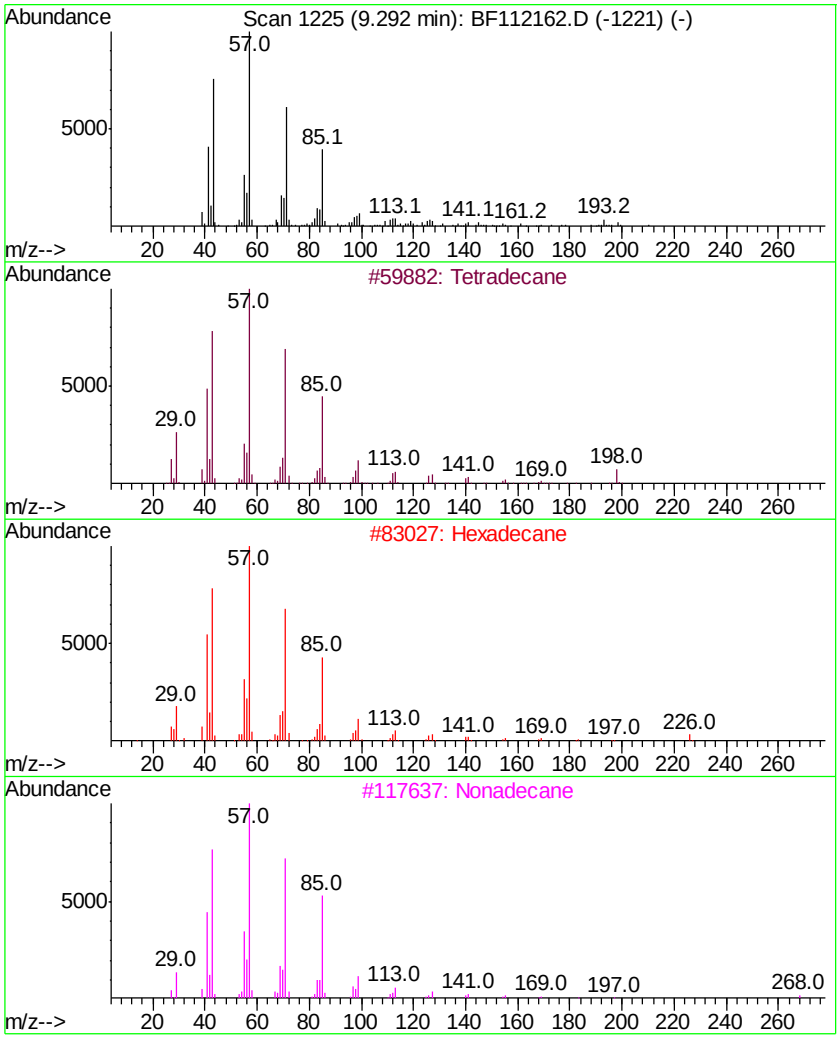
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

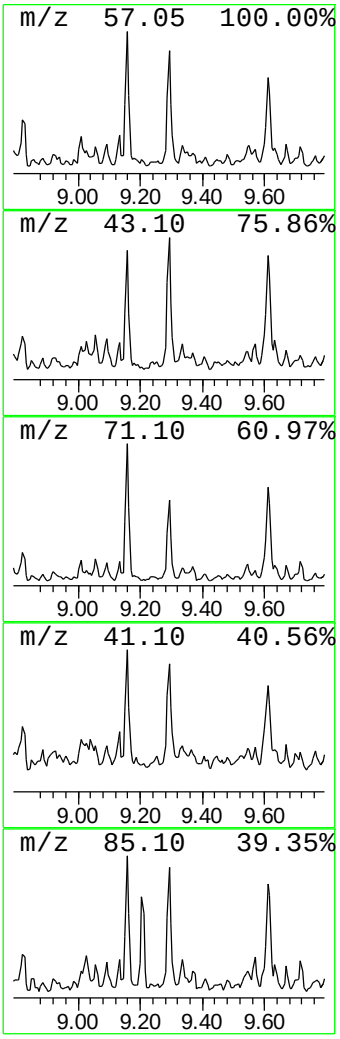
****

Peak Number 6 Tetradecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	6.72 ng	433442	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	96
2	Hexadecane	226	C16H34	000544-76-3	87
3	Nonadecane	268	C19H40	000629-92-5	87
4	Dodecane	170	C12H26	000112-40-3	86
5	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112162.D
Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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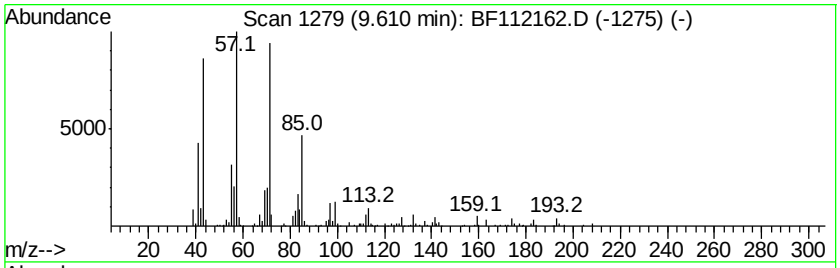
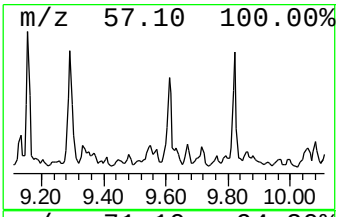
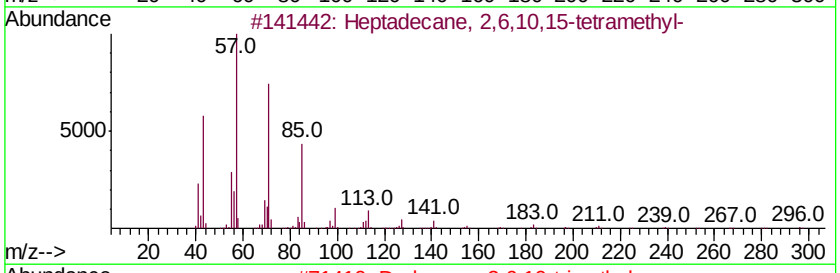
Peak Number 7 Heptadecane, 2,6,10,15-tetr... Concentration Rank 6

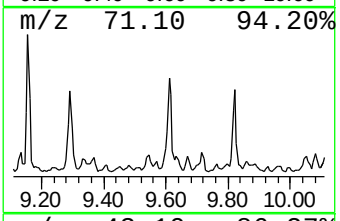
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	6.77 ng	437074	Acenaphthene-d10	9.89

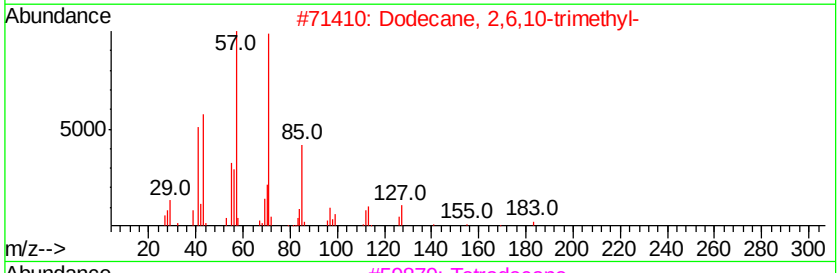
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
3	Tetradecane	198	C14H30	000629-59-4	80
4	Nonadecane	268	C19H40	000629-92-5	72
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	70

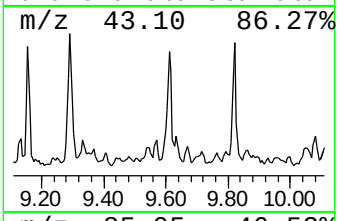


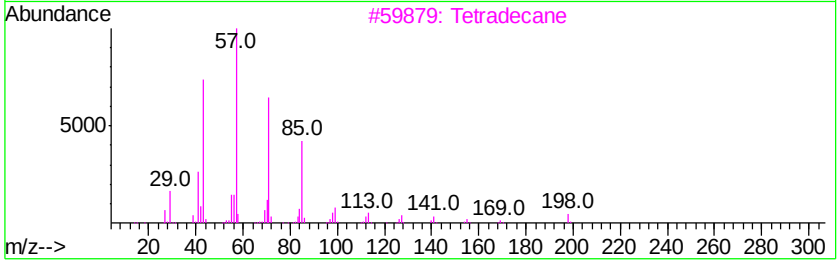


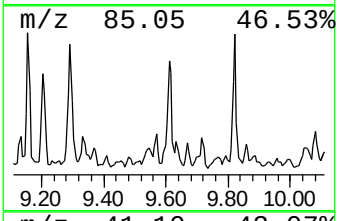


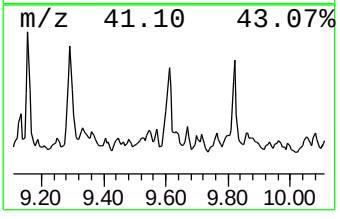












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112162.D
Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

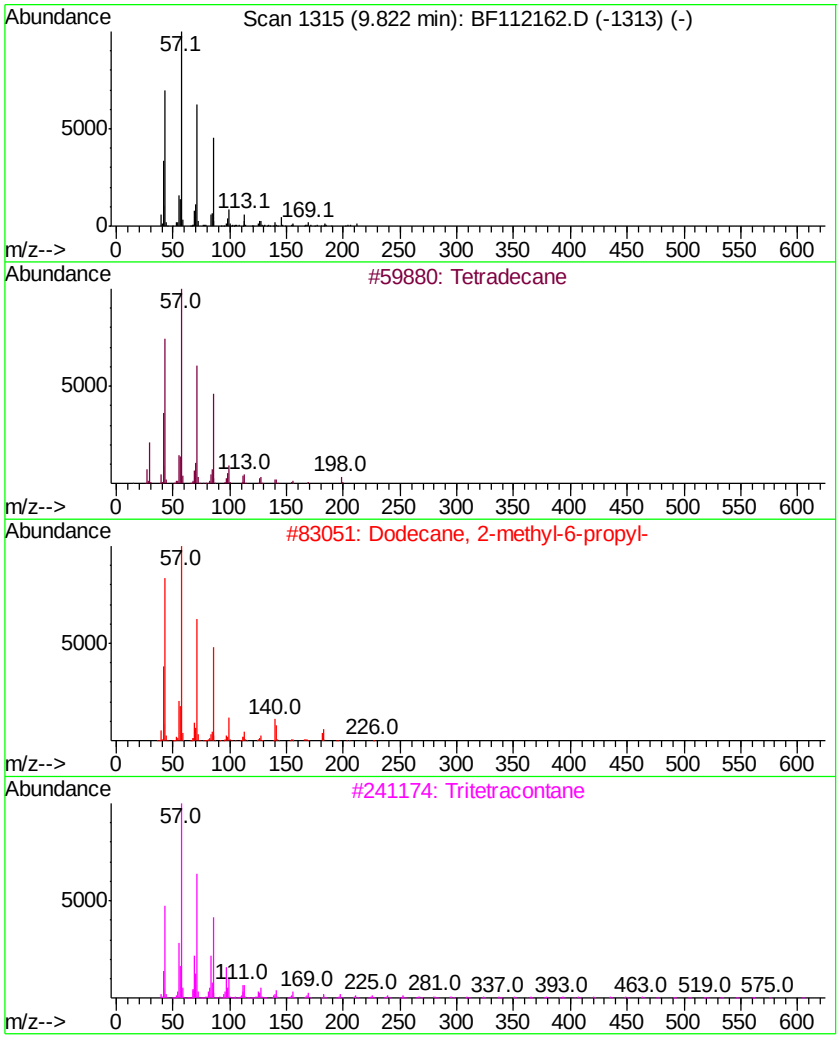
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

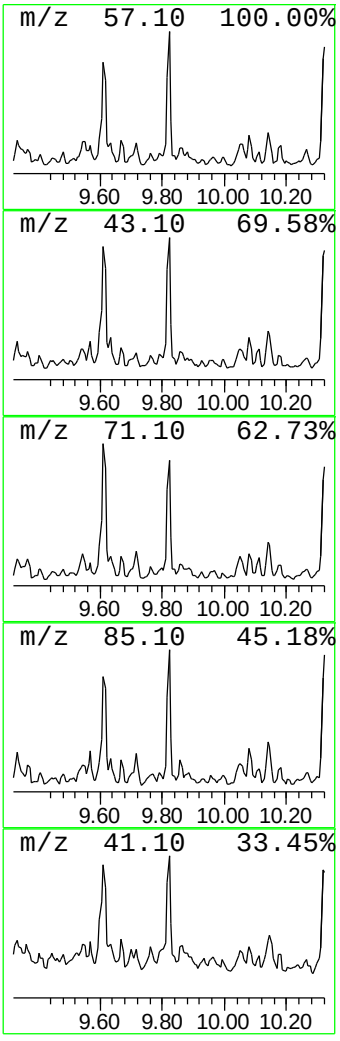
****

Peak Number 8 Dodecane, 2-methyl-6-propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	3.77 ng	243430	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	86
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	78
3	Tritetracontane	605	C43H88	007098-21-7	78
4	Tetratetracontane	619	C44H90	007098-22-8	78
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	76





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Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

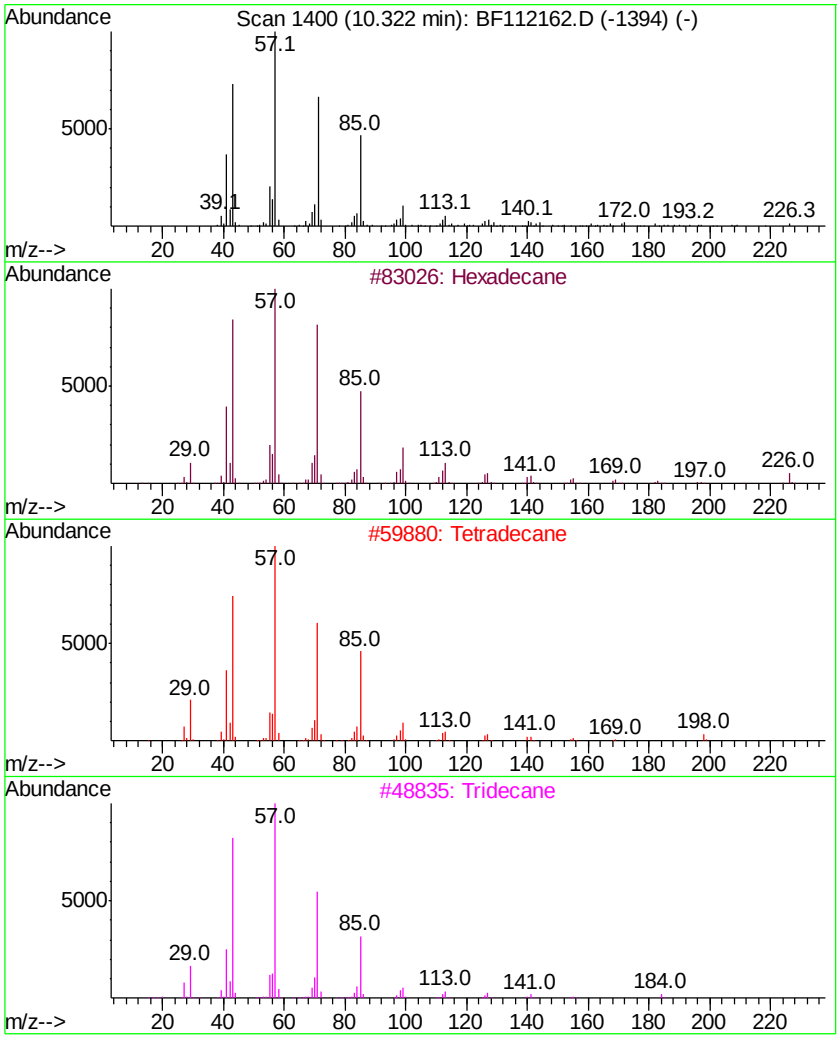
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

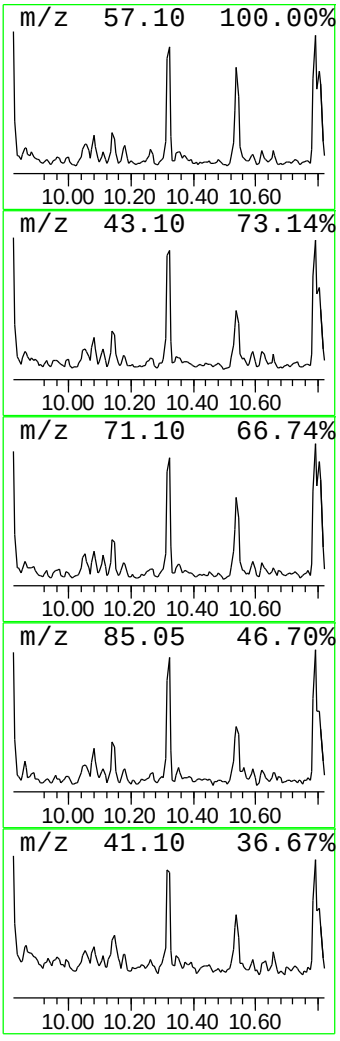
****

Peak Number 9 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	4.83 ng	311590	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Tetradecane	198	C14H30	000629-59-4	86
3	Tridecane	184	C13H28	000629-50-5	72
4	Octacosane	394	C28H58	000630-02-4	72
5	Pentadecane	212	C15H32	000629-62-9	72





Library Search Compound Report

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Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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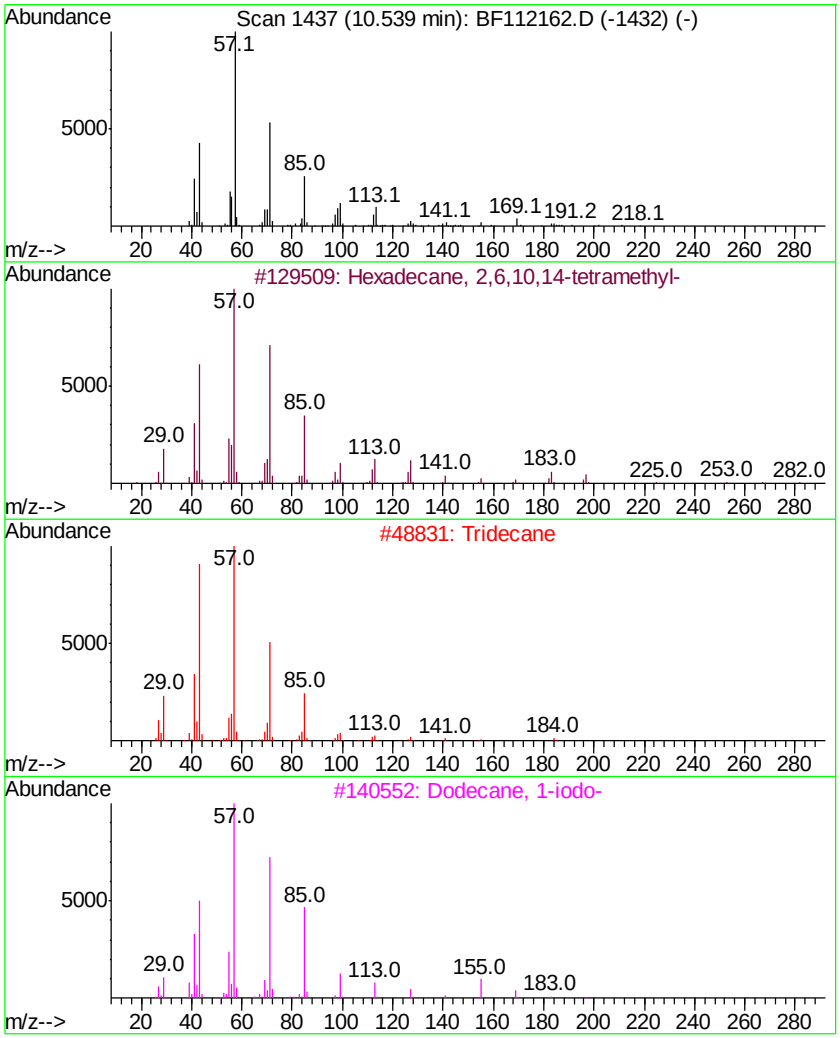
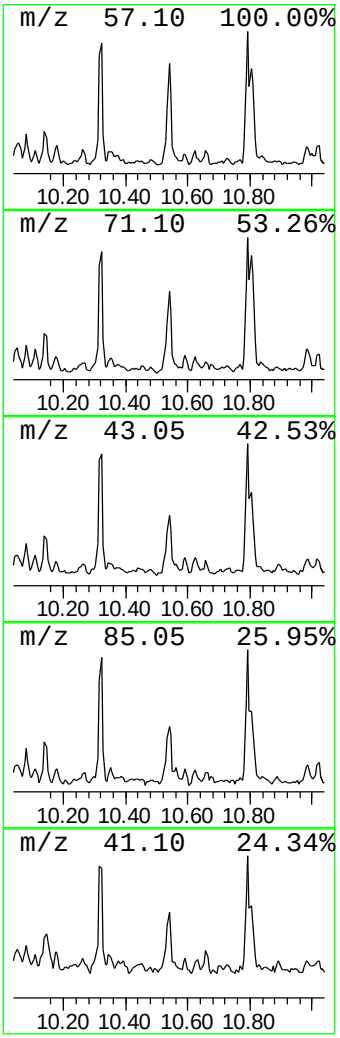
Peak Number 10 Hexadecane, 2,6,10,14-tetra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	4.29 ng	276646	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
2	Tridecane	184	C13H28	000629-50-5	62
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	58
4	Heptacosane	380	C27H56	000593-49-7	58
5	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	53





Library Search Compound Report

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Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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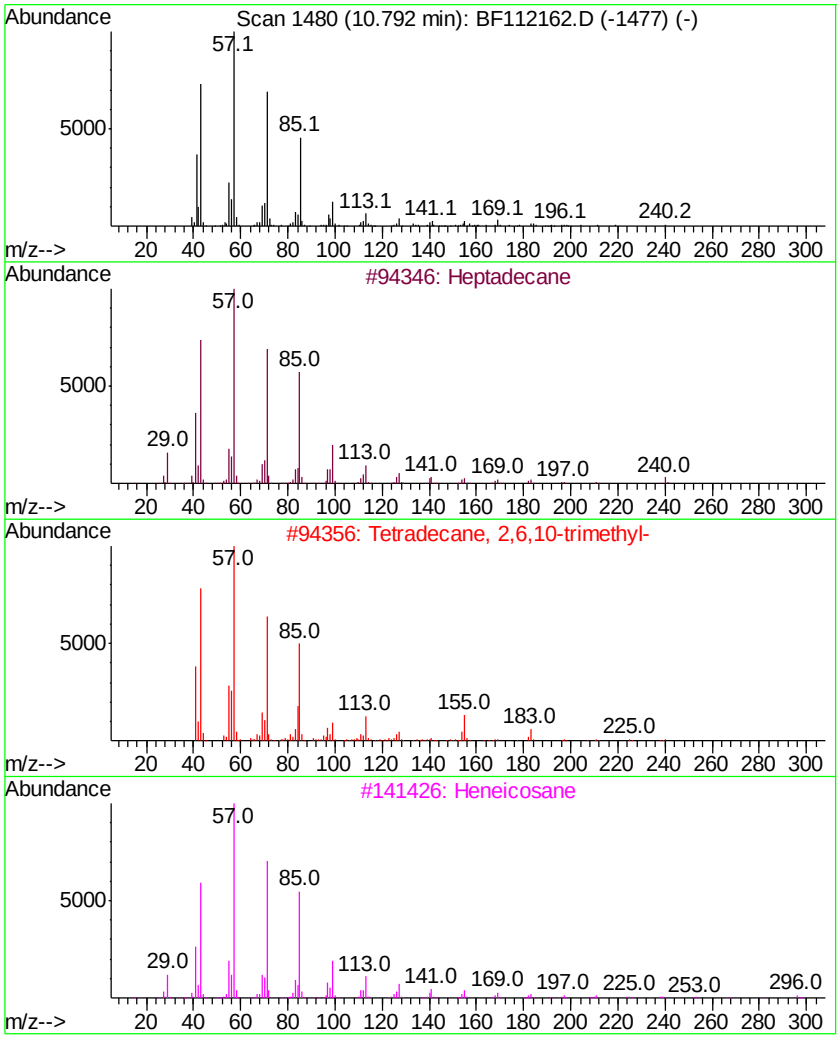
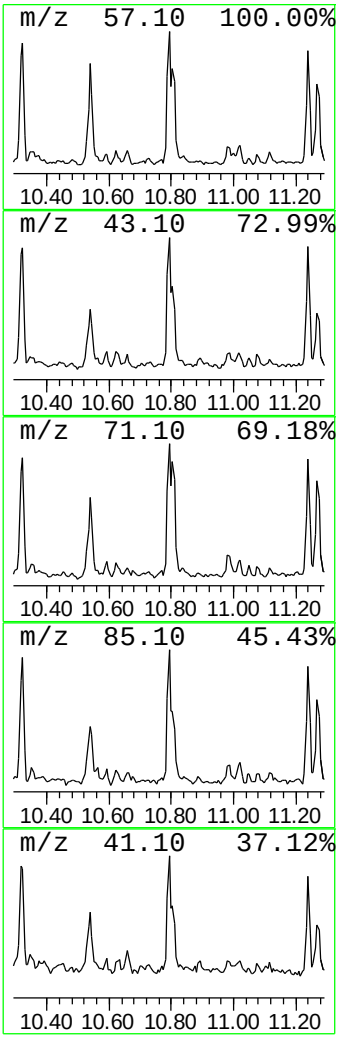
Peak Number 11 Heptadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	4.29 ng	294329	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Octadecane	254	C18H38	000593-45-3	91
5	Heptacosane	380	C27H56	000593-49-7	91





Library Search Compound Report

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Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

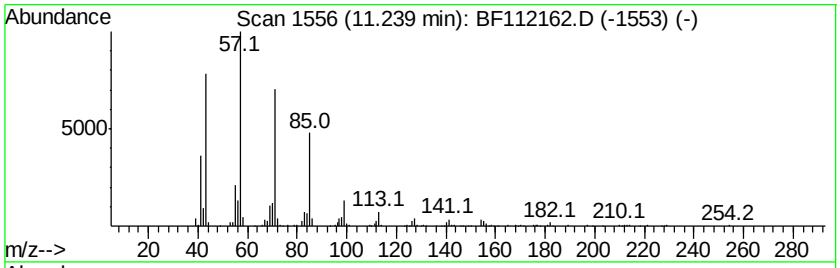
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

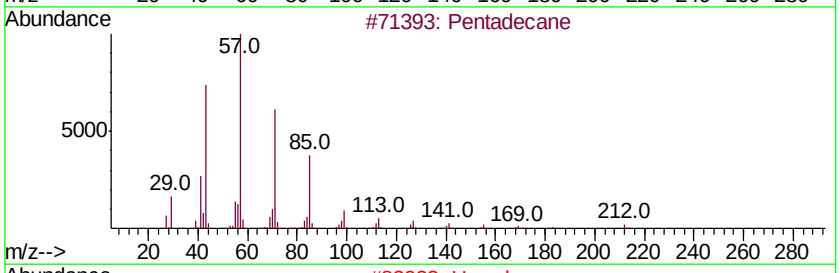
****

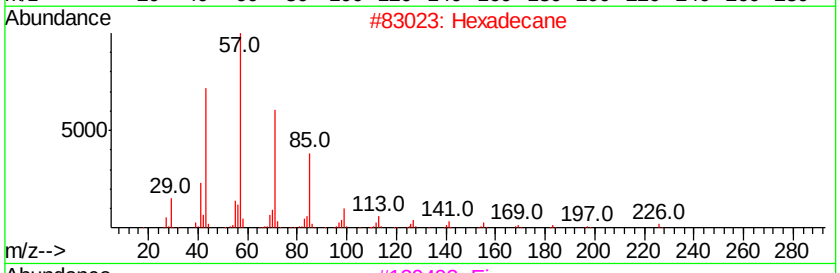
Peak Number 12 Pentadecane Concentration Rank 16

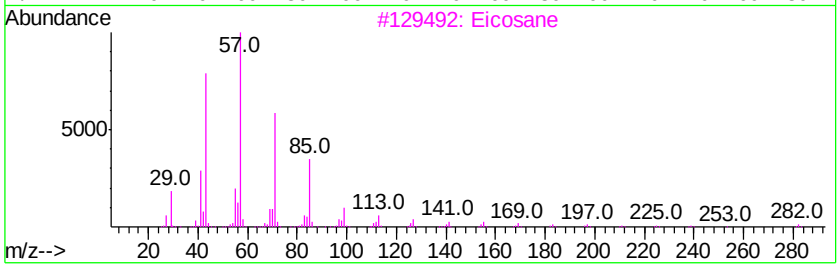
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	3.55 ng	243672	Phenanthrene-d10	11.37

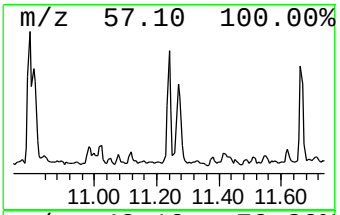
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	91
2	Hexadecane	226	C16H34	000544-76-3	91
3	Eicosane	282	C20H42	000112-95-8	91
4	Tetradecane	198	C14H30	000629-59-4	91
5	Heneicosane	296	C21H44	000629-94-7	90

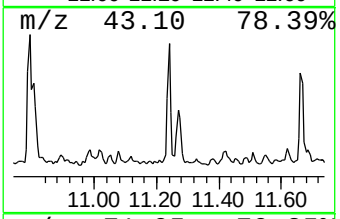


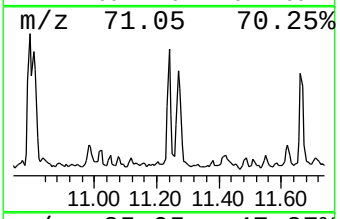


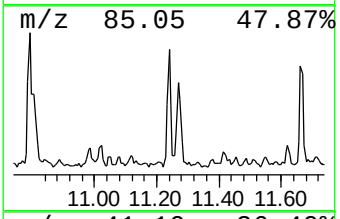


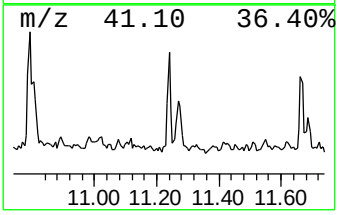












Library Search Compound Report

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Data File : BF112162.D
Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

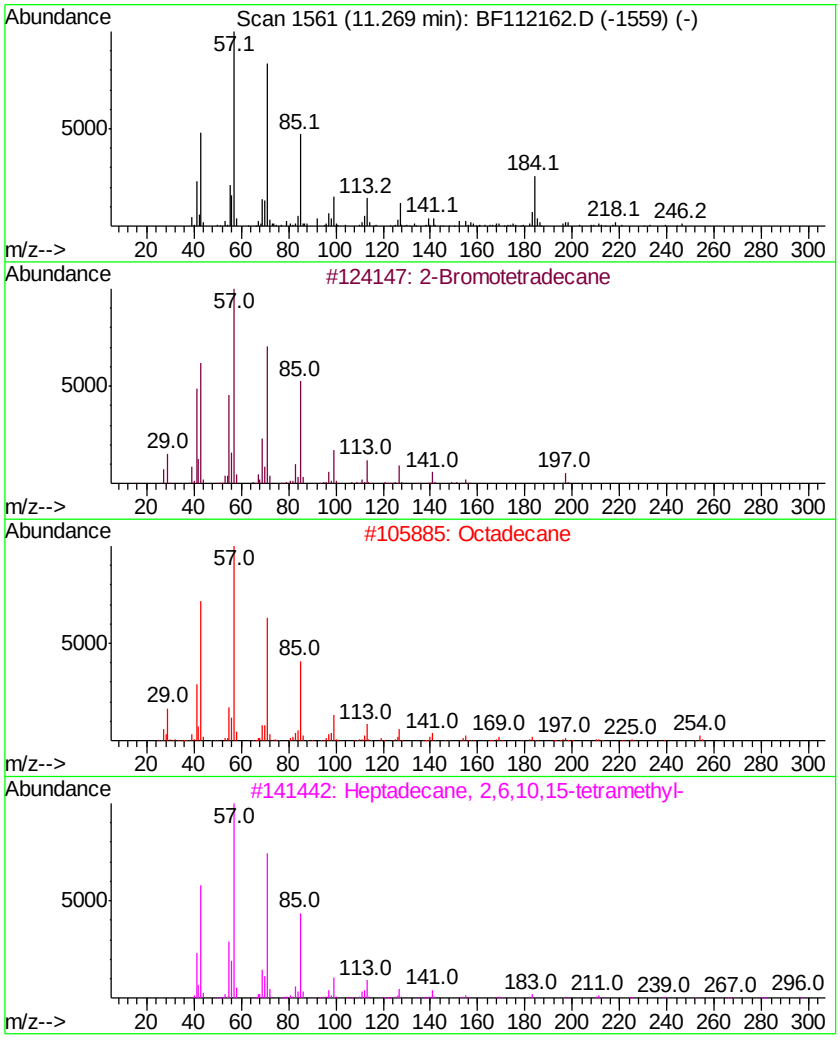
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

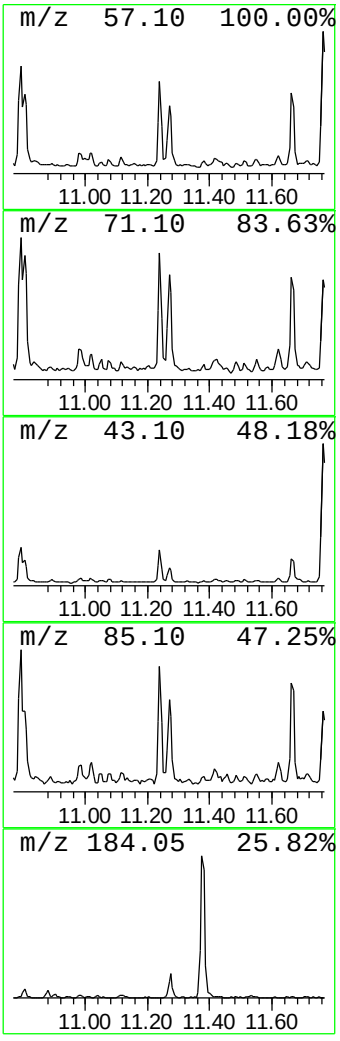
****

Peak Number 13 2-Bromotetradecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	3.85 ng	263858	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromotetradecane	276	C14H29Br	074036-95-6	80
2	Octadecane	254	C18H38	000593-45-3	80
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	74
4	Tetracosane	338	C24H50	000646-31-1	74
5	Hexadecane	226	C16H34	000544-76-3	72





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Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

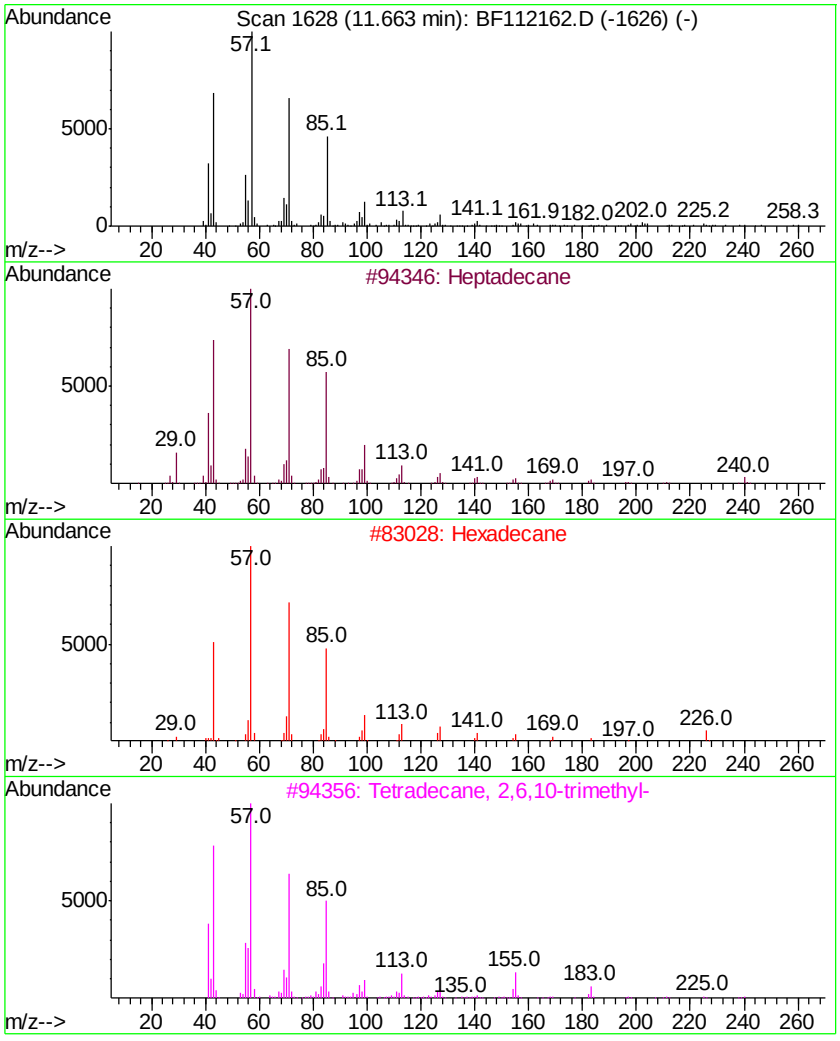
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

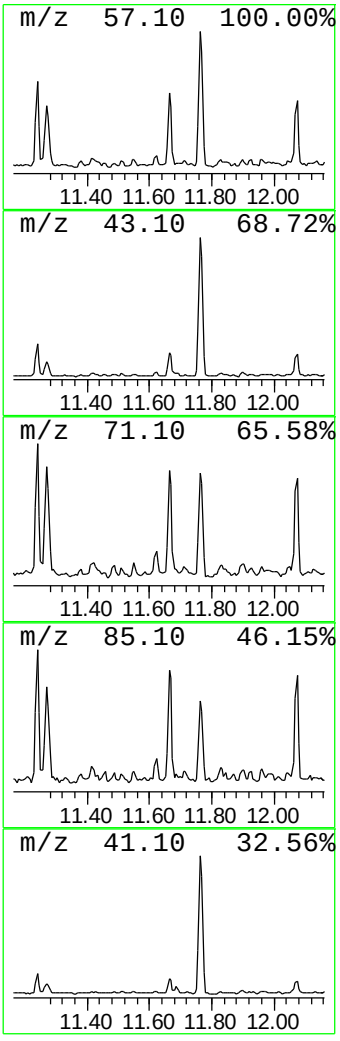
****

Peak Number 14 Tetradecane, 2,6,10-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	3.40 ng	233457	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Hexadecane	226	C16H34	000544-76-3	93
3	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Heneicosane	296	C21H44	000629-94-7	90





Library Search Compound Report

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Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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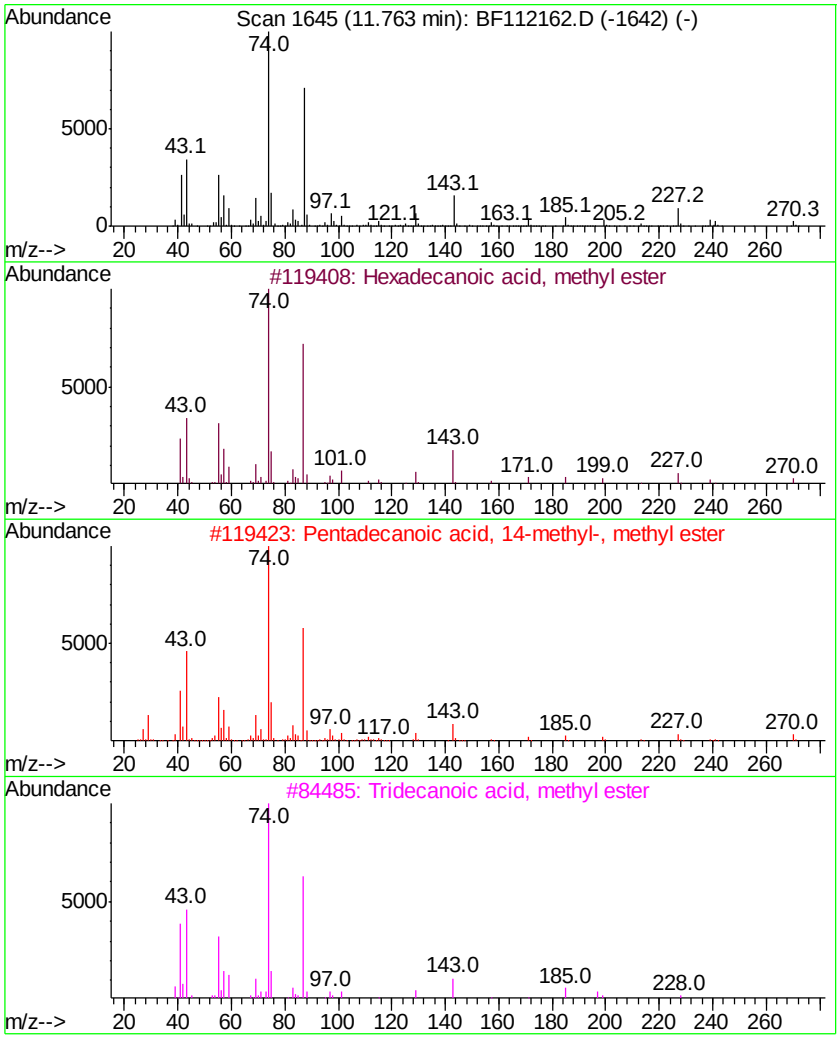
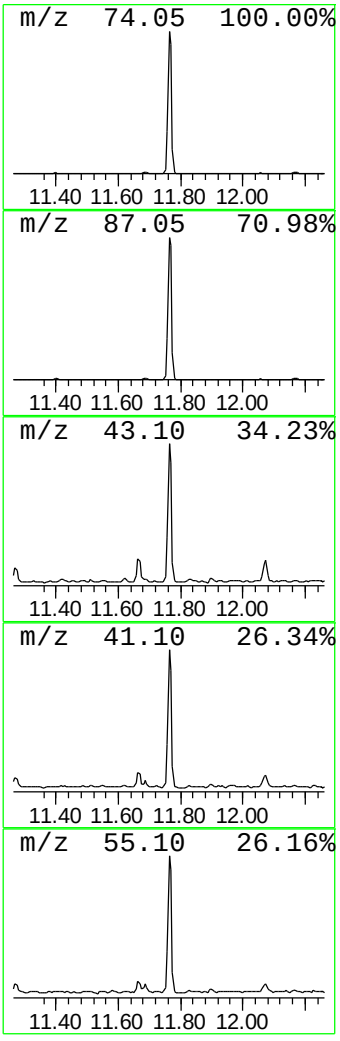
Peak Number 15 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	36.64 ng	2512170	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	99
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	97
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	87
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80





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Data File : BF112162.D
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Sample : K1013-05 5X
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ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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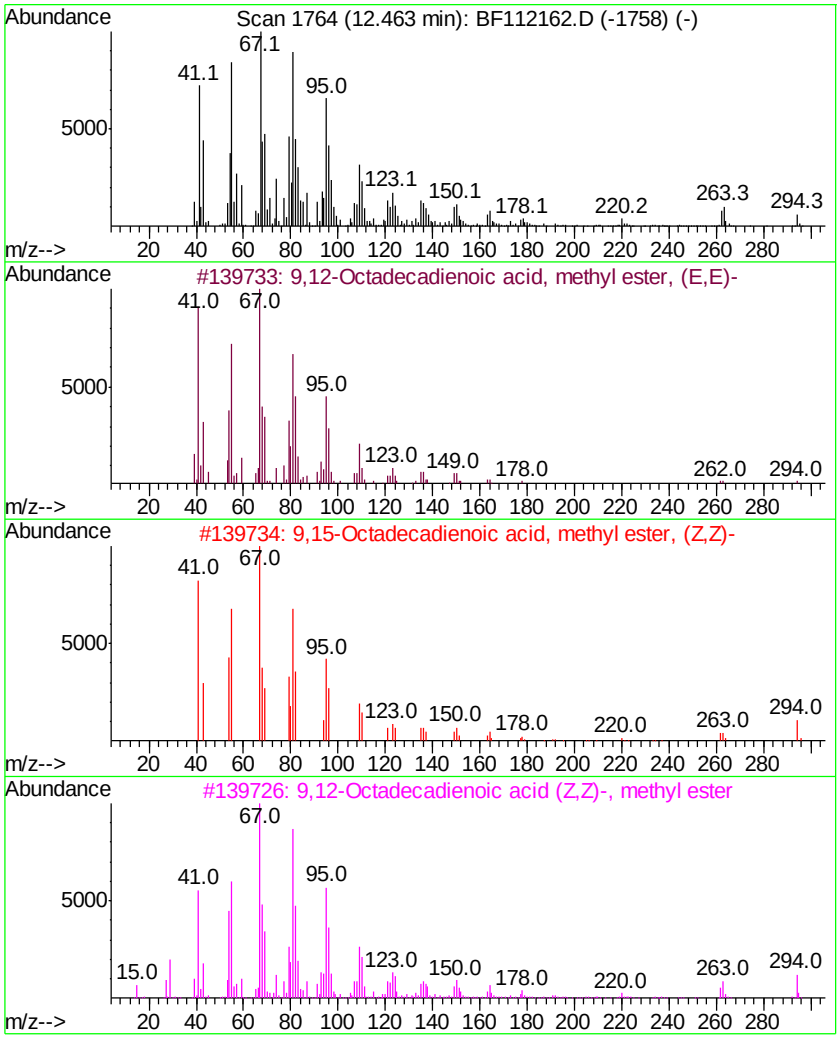
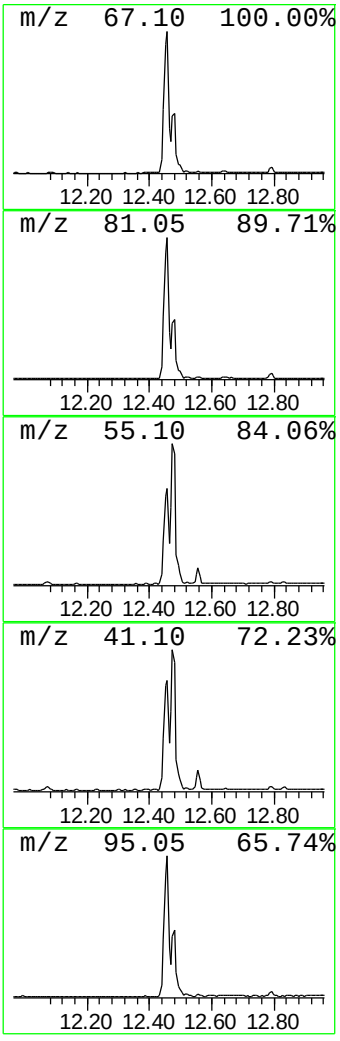
Peak Number 16 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	109.70 ng	7521330	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112162.D
Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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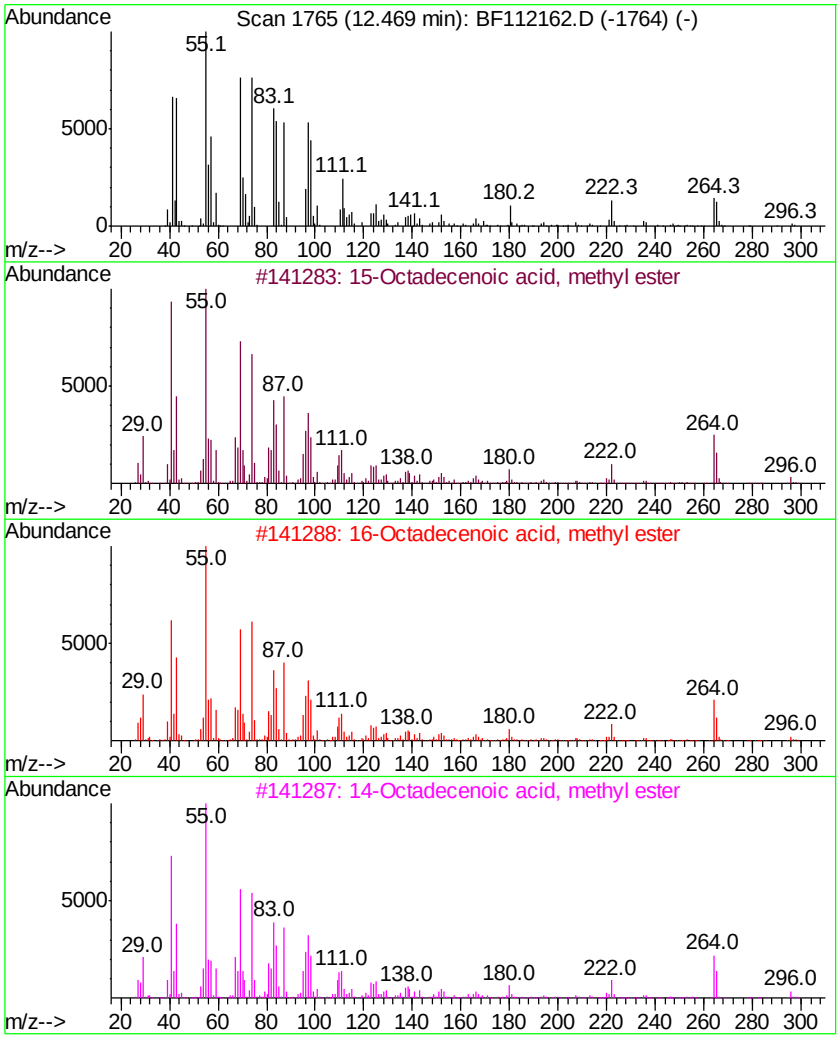
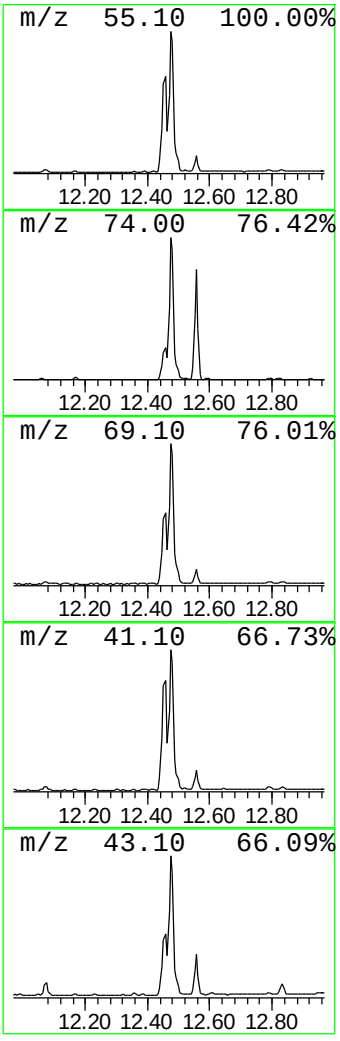
Peak Number 17 15-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	130.77 ng	8966440	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	96
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	96
3	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	96
4	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	94
5	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112162.D
Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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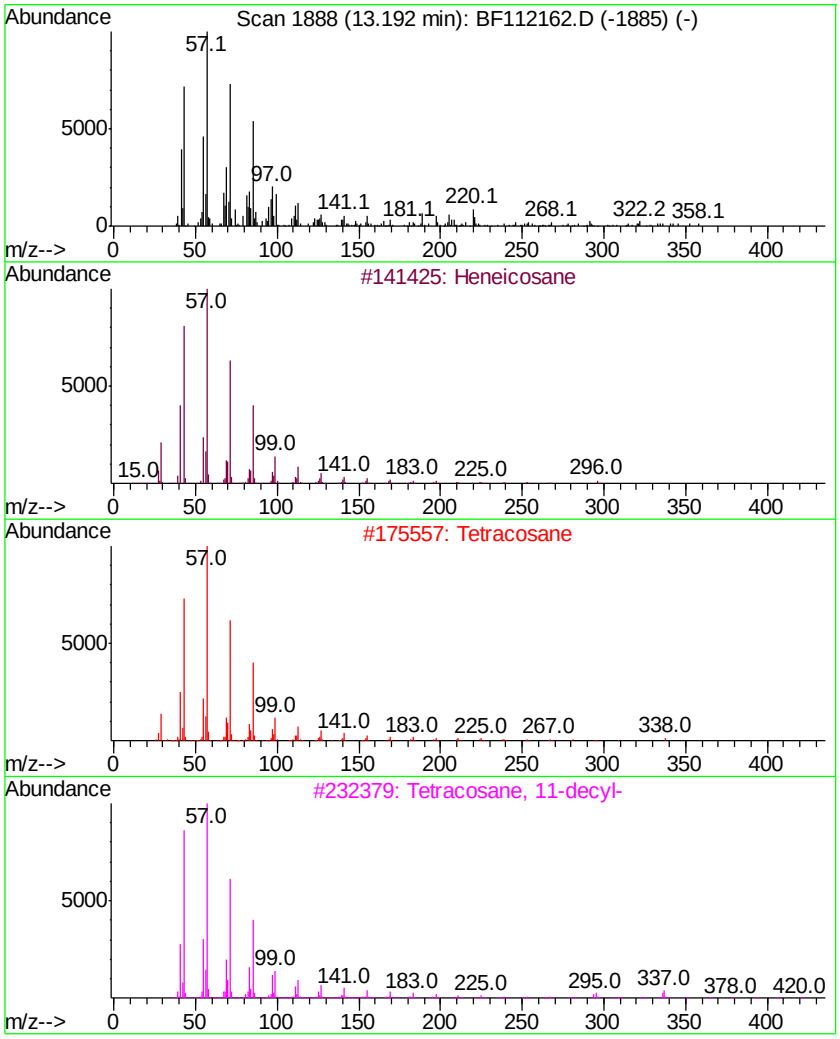
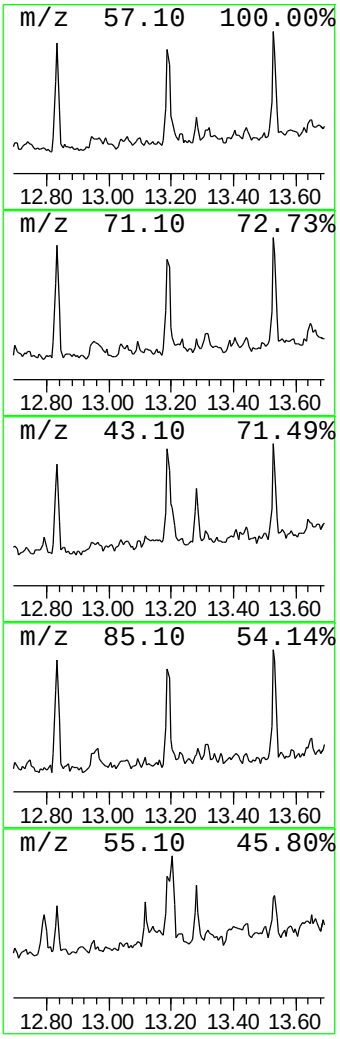
Peak Number 18 Tetracosane, 11-decyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	3.34 ng	247412	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	93
2	Tetracosane	338	C24H50	000646-31-1	74
3	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	74
4	Hexatriacontane	507	C36H74	000630-06-8	74
5	Hexacosane	366	C26H54	000630-01-3	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112162.D
Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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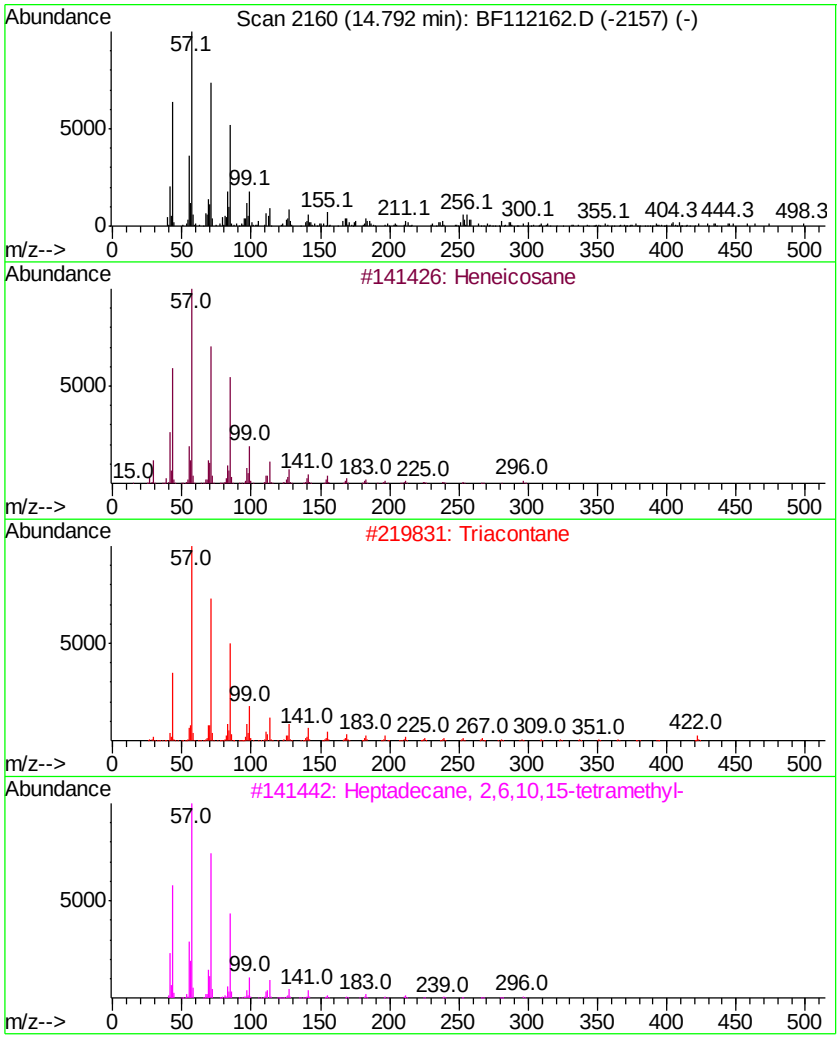
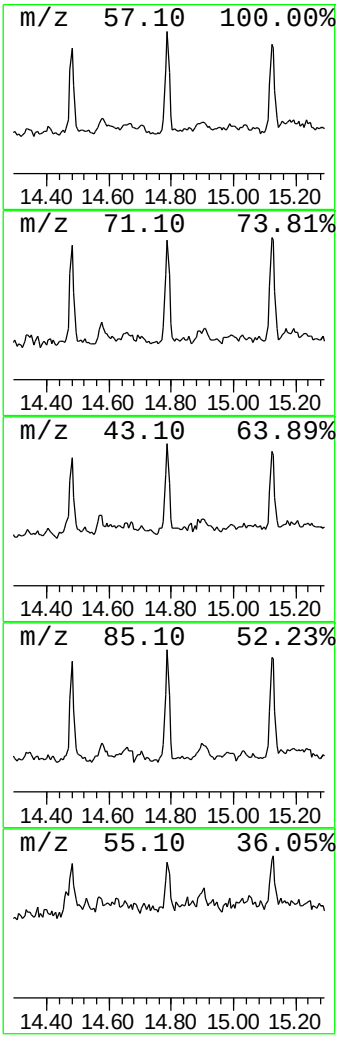
Peak Number 19 Heneicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	3.59 ng	229710	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Triacontane	422	C30H62	000638-68-6	97
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	94
4	2-methyloctacosane	408	C29H60	1000376-72-8	90
5	Eicosane, 2-methyl-	296	C21H44	001560-84-5	89





Library Search Compound Report

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Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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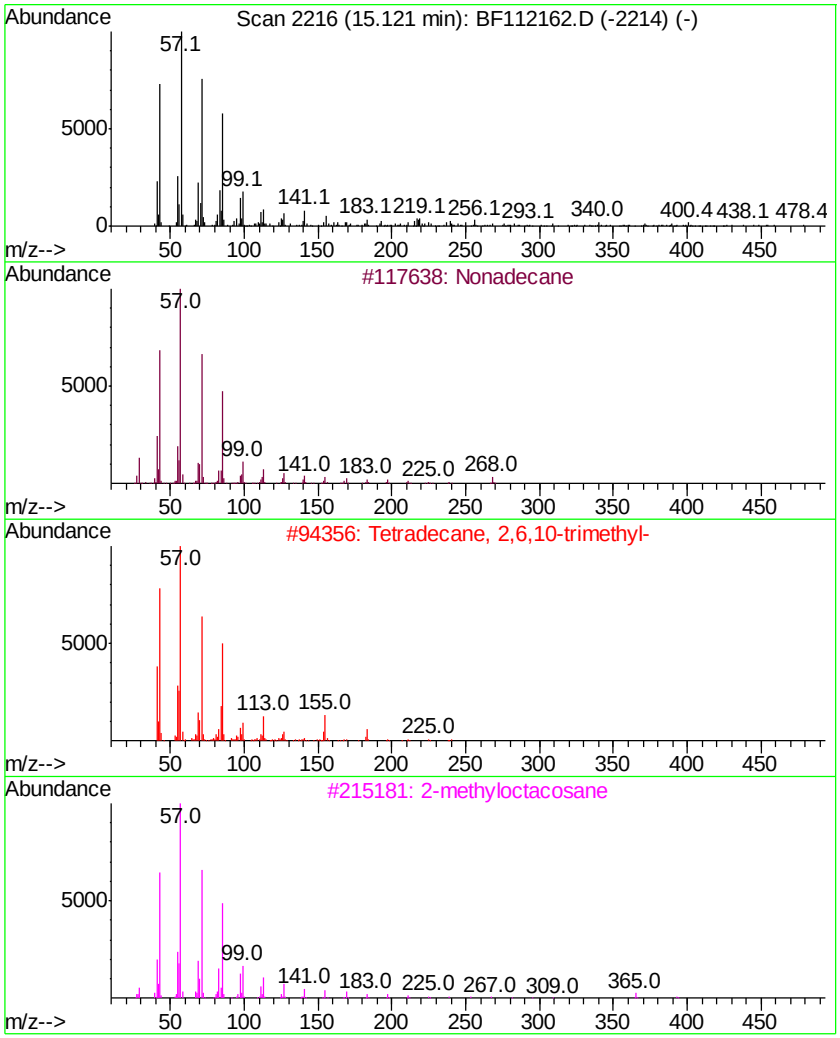
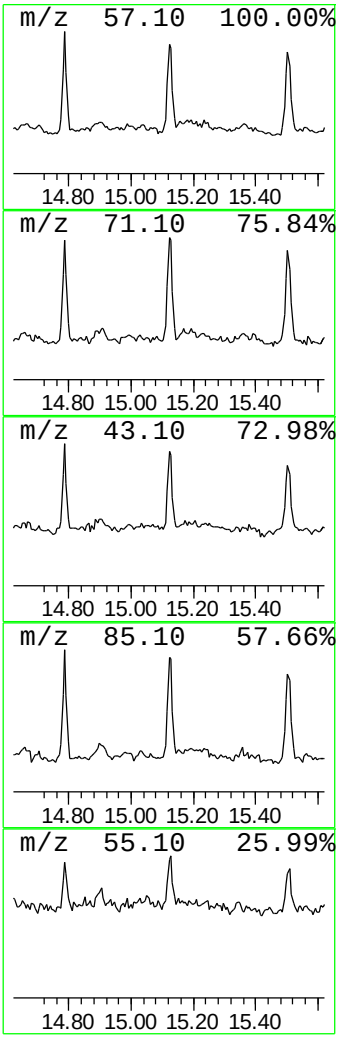
Peak Number 20 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	5.19 ng	331854	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	90
3	2-methyloctacosane	408	C29H60	1000376-72-8	87
4	Docosane	310	C22H46	000629-97-0	87
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012119\
Data File : BF112162.D
Acq On : 21 Jan 2019 16:52
Operator : JU/SJ
Sample : K1013-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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
unknown6.63	6.63	14.4	ng	924242	1	6.85	1286240	20.0
Dodecane, 6-methyl-	8.20	3.3	ng	290770	2	8.13	1771990	20.0
unknown8.43	8.43	3.4	ng	300879	2	8.13	1771990	20.0
Dodecane, 2,6,11-...	9.16	6.6	ng	423793	3	9.89	1290620	20.0
Tetradecane	9.29	6.7	ng	433442	3	9.89	1290620	20.0
Heptadecane, 2,6,...	9.61	6.8	ng	437074	3	9.89	1290620	20.0
Dodecane, 2-methy...	9.82	3.8	ng	243430	3	9.89	1290620	20.0
Hexadecane	10.32	4.8	ng	311590	3	9.89	1290620	20.0
Hexadecane, 2,6,1...	10.54	4.3	ng	276646	3	9.89	1290620	20.0
Heptadecane	10.79	4.3	ng	294329	4	11.37	1371320	20.0
Pentadecane	11.24	3.5	ng	243672	4	11.37	1371320	20.0
2-Bromotetradecane	11.27	3.9	ng	263858	4	11.37	1371320	20.0
Tetradecane, 2,6,...	11.66	3.4	ng	233457	4	11.37	1371320	20.0
Hexadecanoic acid...	11.76	36.6	ng	2512170	4	11.37	1371320	20.0
9,12-Octadecadien...	12.46	109.7	ng	7521330	4	11.37	1371320	20.0
15-Octadecenoic a...	12.47	130.8	ng	8966440	4	11.37	1371320	20.0
Tetracosane, 11-d...	13.19	3.3	ng	247412	5	14.02	1482940	20.0
Heneicosane	14.79	3.6	ng	229710	6	15.49	1278570	20.0
Nonadecane	15.12	5.2	ng	331854	6	15.49	1278570	20.0