LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101119\
Data File : BP000654.D
Acq On : 12 Oct 2019 00:23
Operator : JU
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

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_P\METHODS\8270-BP100119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.946	482	486	496	rVB	232082	260195	1.42%	0.206%
2	5.369	554	558	575	rBV	3807858	3423352	18.66%	2.715%
3	6.387	727	731	748	rBV	3770994	3762812	20.52%	2.984%
4	6.522	750	754	757	rBV	4215701	3745622	20.42%	2.971%
5	6.746	789	792	796	rBV	1595370	1389244	7.57%	1.102%
6	6.905	815	819	822	rBV	4054924	3174802	17.31%	2.518%
7	7.310	884	888	891	rVB	2713532	2197136	11.98%	1.743%
8	8.034	1007	1011	1014	rBV	2255646	1872072	10.21%	1.485%
9	8.640	1110	1114	1116	rBV2	238599	240421	1.31%	0.191%
10	8.699	1116	1124	1126	rVV6	111835	235725	1.29%	0.187%
11	8.863	1146	1152	1157	rBV3	159780	211830	1.15%	0.168%
12	9.116	1191	1195	1198	rBV	6090193	4814630	26.25%	3.819%
13	9.204	1205	1210	1214	rBV	521841	475570	2.59%	0.377%
14	9.381	1234	1240	1244	rBV6	107564	199229	1.09%	0.158%
15	9.510	1259	1262	1267	rBV3	660515	839383	4.58%	0.666%
16	9.657	1283	1287	1290	rBV	711610	608813	3.32%	0.483%
17	9.740	1298	1301	1304	rBV	710761	568765	3.10%	0.451%
18	9.799	1305	1311	1314	rBV	2480052	2296186	12.52%	1.821%
19	10.063	1353	1356	1360	rVB4	189342	194403	1.06%	0.154%
20	10.240	1383	1386	1390	rBV2	884533	765923	4.18%	0.607%
21	10.463	1417	1424	1430	rBV2	428147	624959	3.41%	0.496%
22	10.593	1441	1446	1450	rBV	3017728	2766971	15.09%	2.195%
23	10.716	1464	1467	1475	rBV	1081208	1198307	6.53%	0.950%
24	10.822	1482	1485	1489	rVB	275033	206002	1.12%	0.163%
25	11.169	1541	1544	1547	rBV	886607	742085	4.05%	0.589%
26	11.204	1547	1550	1555	rVB	383126	390333	2.13%	0.310%
27	11.293	1562	1565	1568	rBV	2565700	2148063	11.71%	1.704%
28	11.316	1568	1569	1572	rVB	494547	295373	1.61%	0.234%
29	11.369	1572	1578	1581	rBV	651939	605669	3.30%	0.480%
30	11.604	1615	1618	1620	rBV	867738	740870	4.04%	0.588%
31	11.622	1620	1621	1624	rVB2	525220	393172	2.14%	0.312%
32	11.710	1631	1636	1639	rVB	8847592	8972339	48.92%	7.116%
33	11.845	1654	1659	1661	rBV2	217977	266764	1.45%	0.212%
34	11.916	1667	1671	1680	rVB4	276886	513327	2.80%	0.407%

LSC Area Percent Report

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Operator : JU
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

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_P\METHODS\8270-BP100119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.016	1685	1688	1696	rVB	752351	759042	4.14%	0.602%
36	12.110	1702	1704	1711	rVB4	226296	278489	1.52%	0.221%
37	12.357	1744	1746	1749	rVV2	211293	207693	1.13%	0.165%
38	12.410	1749	1755	1757	rVV	10009072	17694926	96.47%	14.035%
39	12.445	1757	1761	1765	rVV2	11137458	18341502	100.00%	14.548%
40	12.475	1765	1766	1769	rVV3	428987	341914	1.86%	0.271%
41	12.510	1769	1772	1777	rVV2	5156104	5224459	28.48%	4.144%
42	12.569	1778	1782	1788	rVV3	807875	1234581	6.73%	0.979%
43	12.616	1788	1790	1798	rVB	221515	319253	1.74%	0.253%
44	12.757	1808	1814	1817	rBV	1725159	2104036	11.47%	1.669%
45	12.787	1817	1819	1824	rVB	531581	447699	2.44%	0.355%
46	12.904	1835	1839	1844	rVB	5282559	4721874	25.74%	3.745%
47	12.987	1849	1853	1856	rBV3	158324	297238	1.62%	0.236%
48	13.075	1864	1868	1869	rBV2	719009	711168	3.88%	0.564%
49	13.163	1878	1883	1886	rBV2	1264675	1590297	8.67%	1.261%
50	13.240	1893	1896	1899	rBV	990202	902005	4.92%	0.715%
51	13.316	1906	1909	1912	rVB2	315166	360244	1.96%	0.286%
52	13.398	1921	1923	1928	rVB5	257204	287454	1.57%	0.228%
53	13.492	1937	1939	1945	rVB2	383016	376705	2.05%	0.299%
54	13.669	1966	1969	1972	rVB2	235478	271230	1.48%	0.215%
55	13.769	1984	1986	1991	rBV2	176827	202943	1.11%	0.161%
56	13.828	1993	1996	2005	rVB4	531803	779277	4.25%	0.618%
57	13.922	2008	2012	2015	rBV	1062192	983721	5.36%	0.780%
58	13.969	2015	2020	2023	rBV2	2656241	3075779	16.77%	2.440%
59	13.992	2023	2024	2027	rVB	644711	410131	2.24%	0.325%
60	14.145	2048	2050	2055	rVB2	338351	351689	1.92%	0.279%
61	14.363	2085	2087	2090	rVB	306949	238409	1.30%	0.189%
62	14.457	2101	2103	2106	rVB	481712	397257	2.17%	0.315%
63	14.551	2116	2119	2124	rBV3	609537	696439	3.80%	0.552%
64	14.887	2171	2176	2181	rBV	969087	1361932	7.43%	1.080%
65	15.022	2195	2199	2207	rVB	1342395	2331024	12.71%	1.849%
66	15.110	2211	2214	2215	rBV2	249548	254006	1.38%	0.201%
67	15.322	2246	2250	2256	rVB	837319	1066105	5.81%	0.846%
68	15.386	2257	2261	2267	rBV	1308100	1613711	8.80%	1.280%
69	15.451	2267	2272	2275	rBV	1600686	2126185	11.59%	1.686%
70	15.934	2351	2354	2358	rBV	292752	368282	2.01%	0.292%
71	16.916	2517	2521	2529	rVB2	633282	1175092	6.41%	0.932%

LSC Area Percent Report

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Misc :
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Instrument : BNA_P
ClientSampleId : HD-01-100919

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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Peak separation: 5

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	17.357	2592	2596	2606	rVB	533970	1034844	5.64%	0.821%

Sum of corrected areas: 126078982

LSC Report - Integrated Chromatogram

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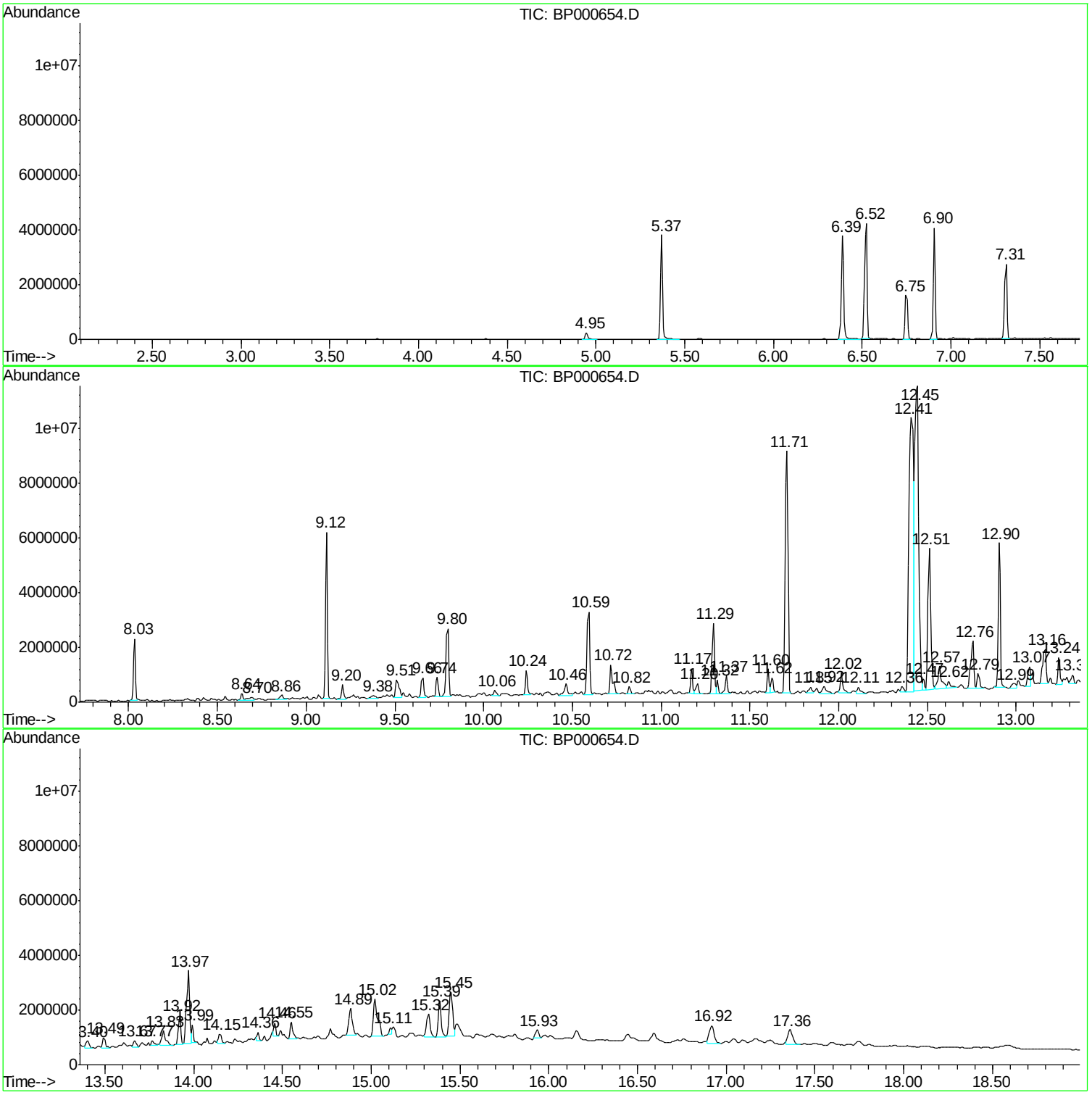
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101119\
Data File : BP000654.D
Acq On : 12 Oct 2019 00:23
Operator : JU
Sample : K5145-01
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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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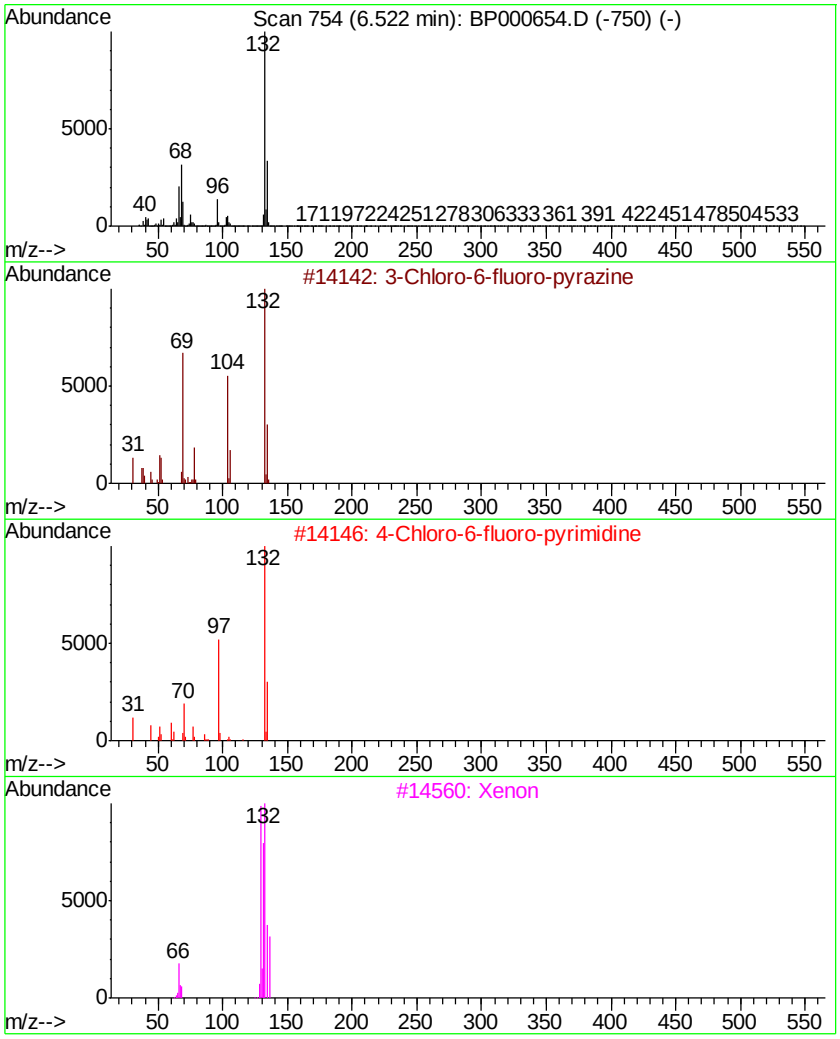
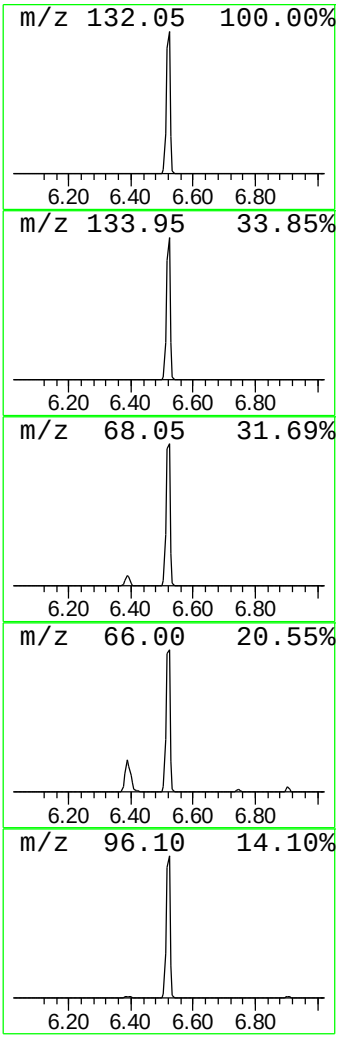
Peak Number 1 unknown6.52 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	53.92 ng	3745620	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
3	Xenon	132	Xe	007440-63-3	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101119\
Data File : BP000654.D
Acq On : 12 Oct 2019 00:23
Operator : JU
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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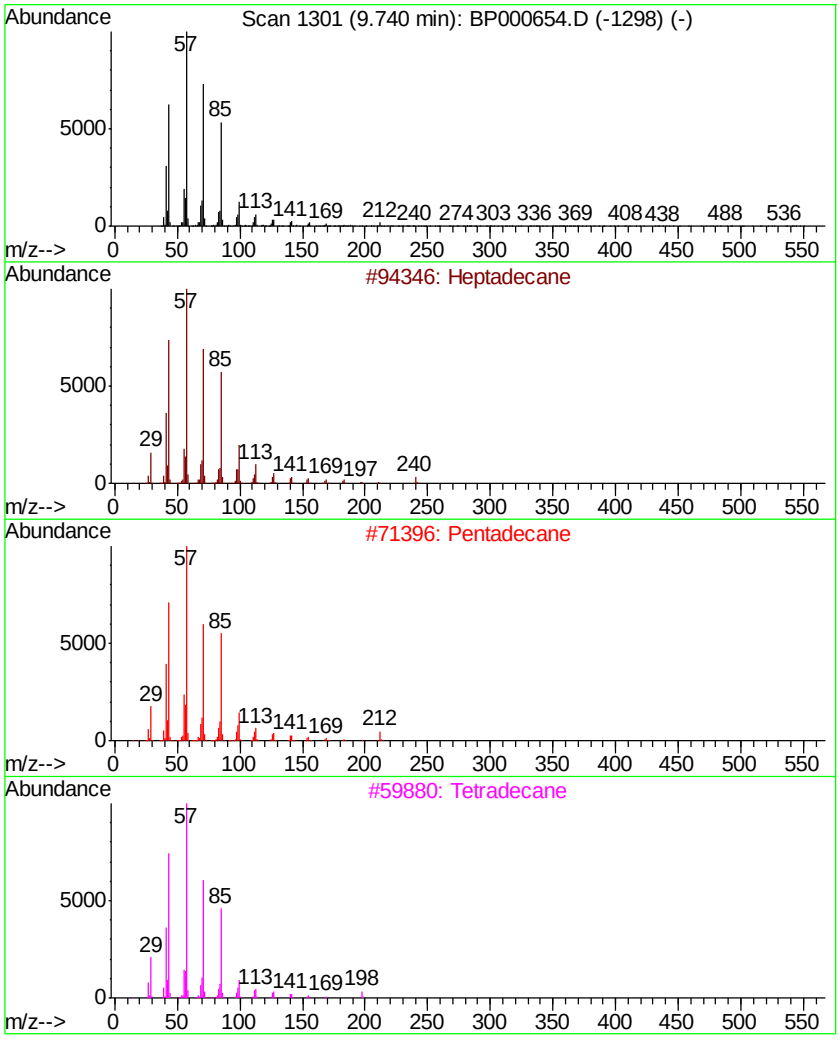
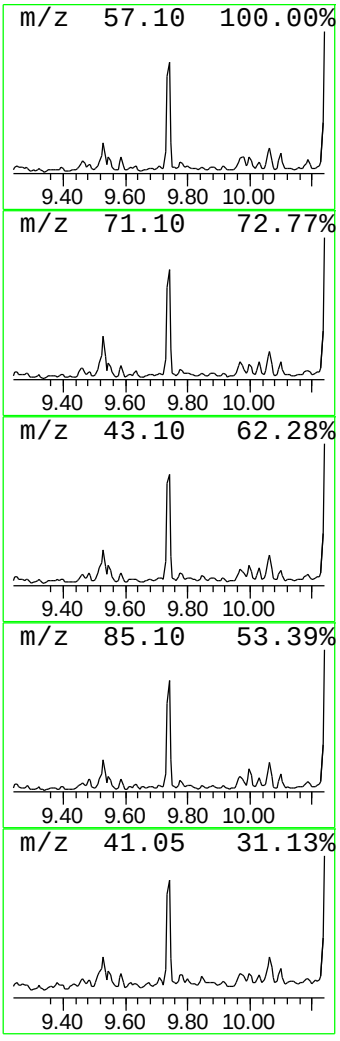
Peak Number 3 Heptadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	4.95 ng	568765	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Pentadecane	212	C15H32	000629-62-9	91
3	Tetradecane	198	C14H30	000629-59-4	87
4	Hexadecane	226	C16H34	000544-76-3	80
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101119\
Data File : BP000654.D
Acq On : 12 Oct 2019 00:23
Operator : JU
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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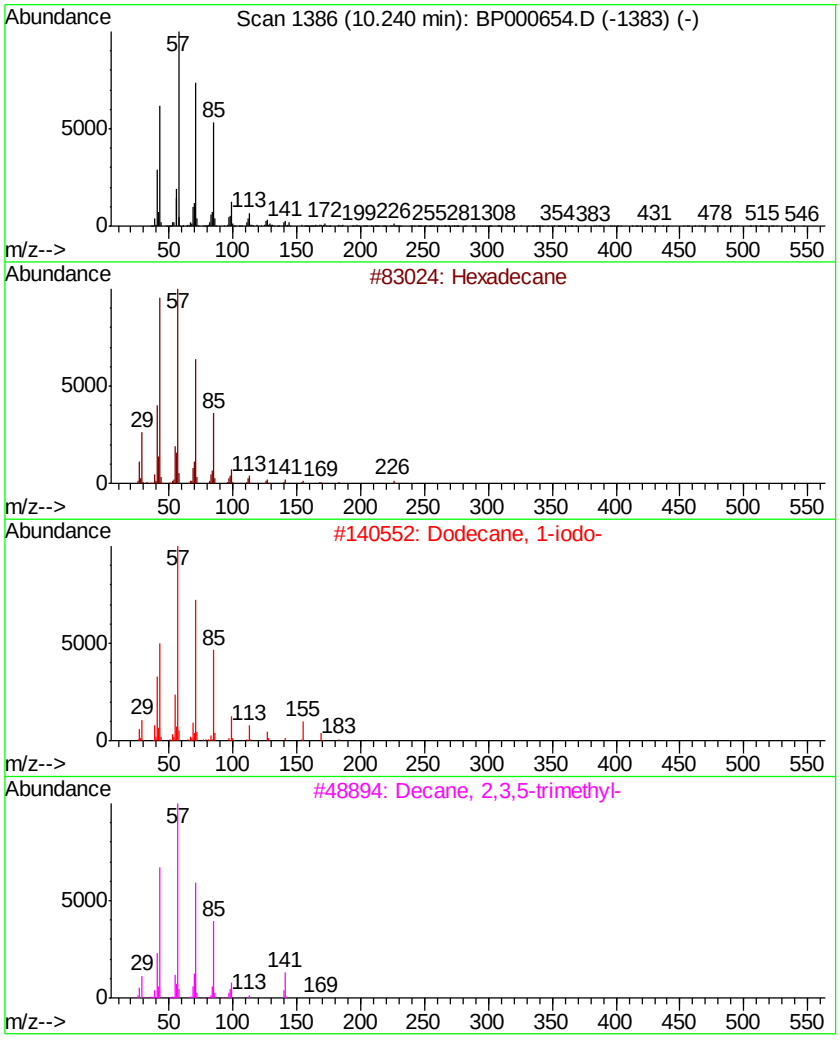
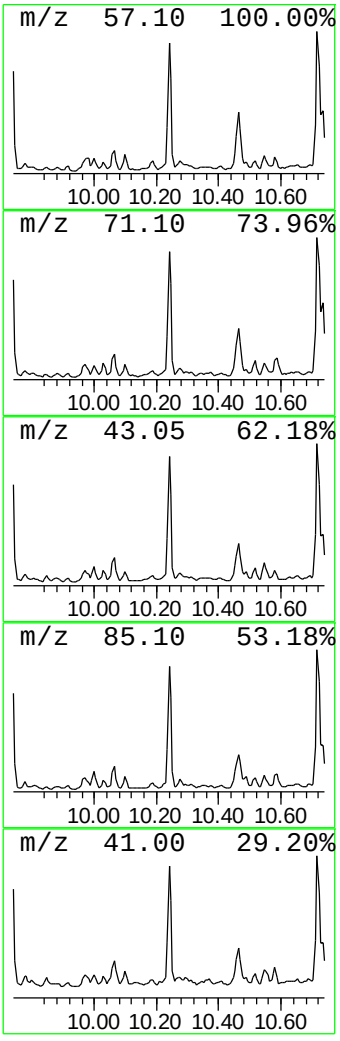
Peak Number 4 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	6.67 ng	765923	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	86
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	81
5	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	80





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Instrument : BNA_P
ClientSampleId : HD-01-100919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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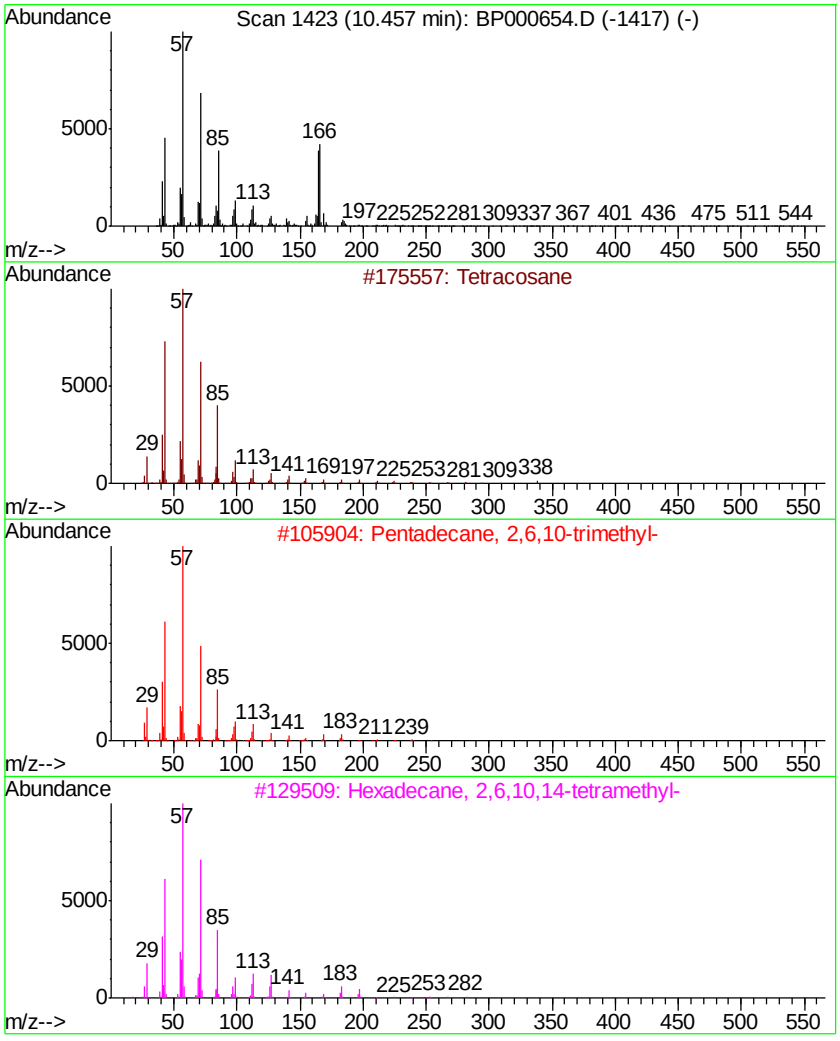
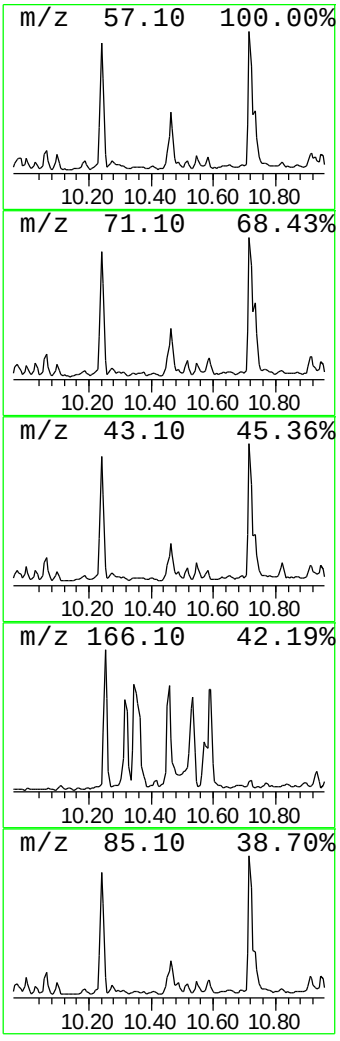
Peak Number 5 Tetracosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	5.44 ng	624959	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	90
2	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	89
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
4	Tridecane	184	C13H28	000629-50-5	70
5	Hentriacontane	437	C31H64	000630-04-6	70





Library Search Compound Report

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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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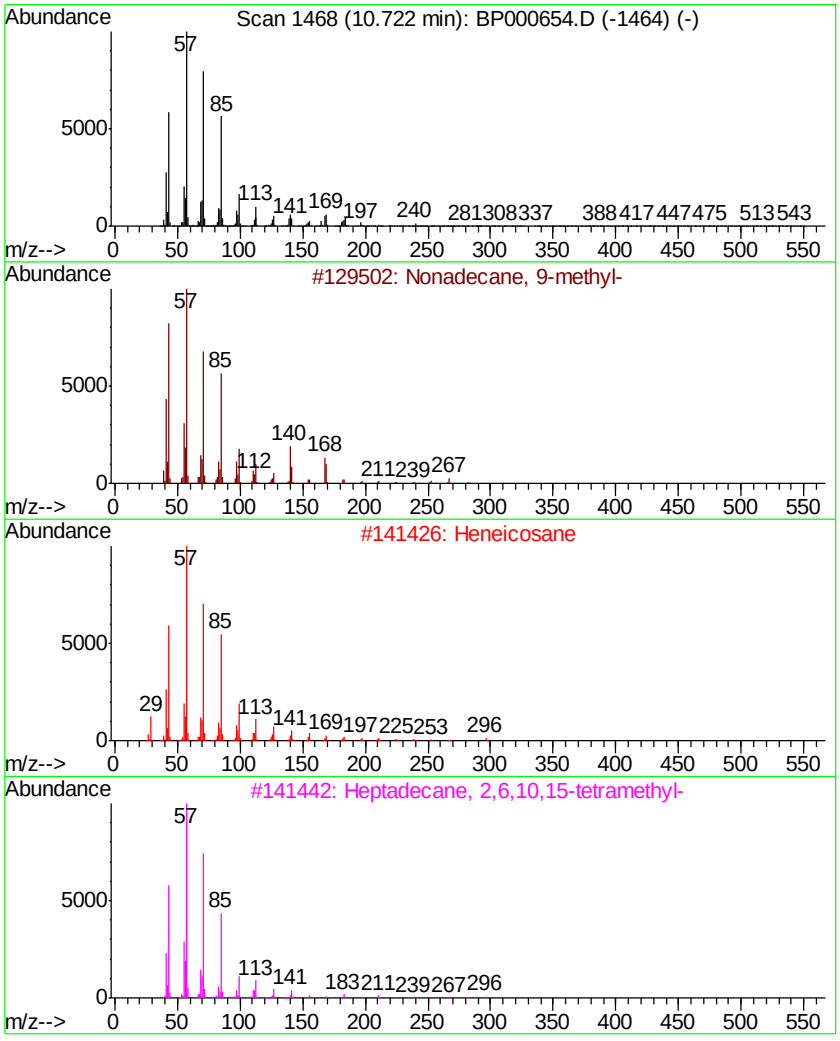
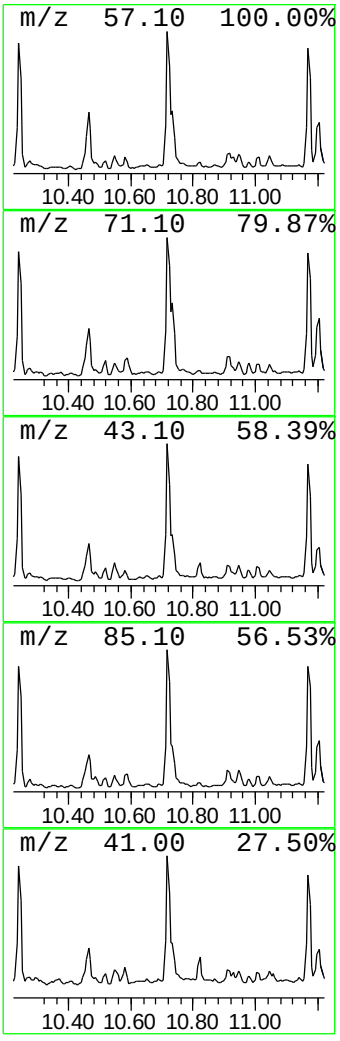
Peak Number 6 Nonadecane, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	11.16 ng	1198310	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	94
2	Heneicosane	296	C21H44	000629-94-7	93
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
4	Docosane	310	C22H46	000629-97-0	90
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	87





Library Search Compound Report

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Data File : BP000654.D
Acq On : 12 Oct 2019 00:23
Operator : JU
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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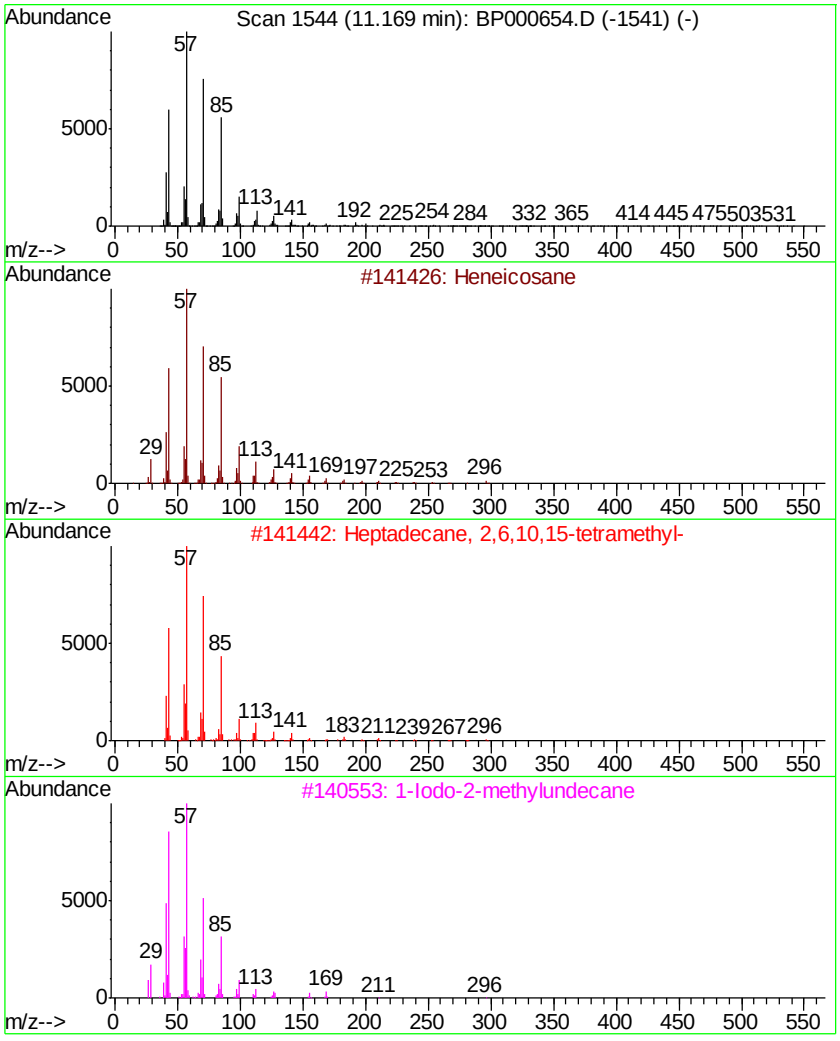
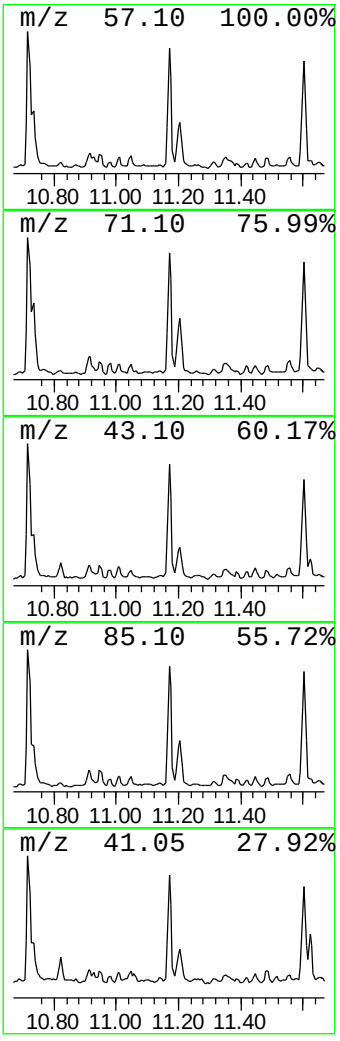
Peak Number 7 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	6.91 ng	742085	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	94
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	91
4	Hexadecane	226	C16H34	000544-76-3	90
5	Nonadecane	268	C19H40	000629-92-5	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101119\
Data File : BP000654.D
Acq On : 12 Oct 2019 00:23
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Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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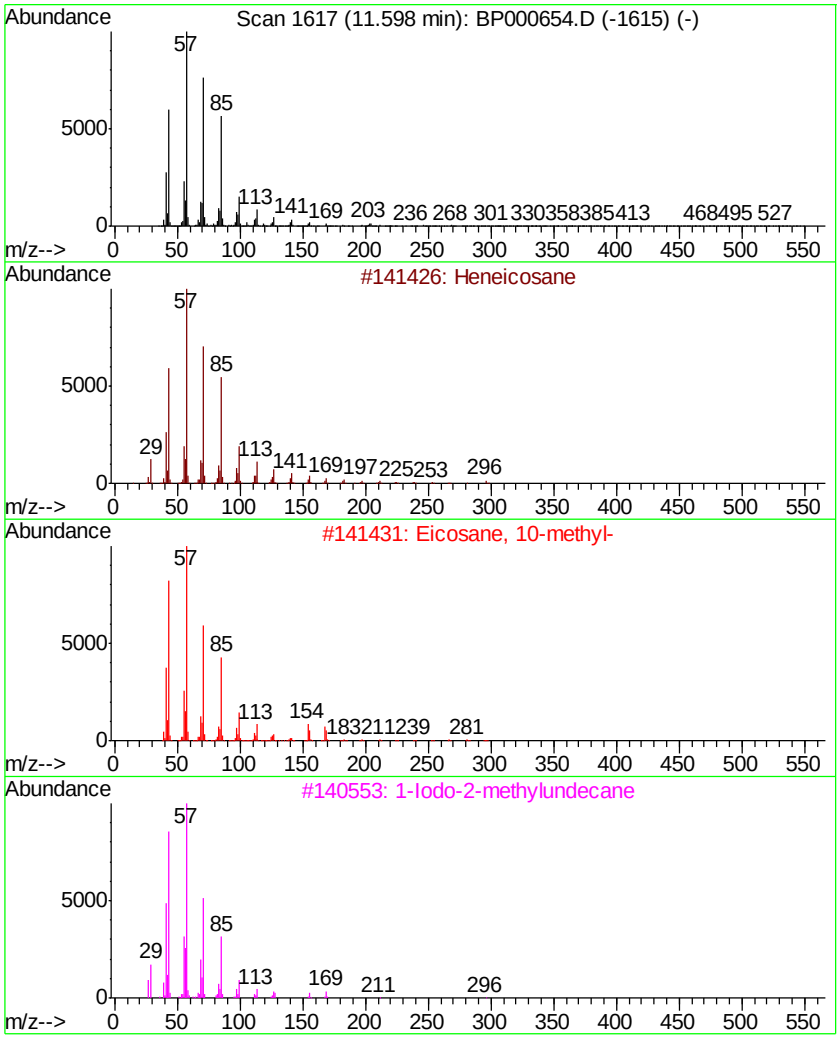
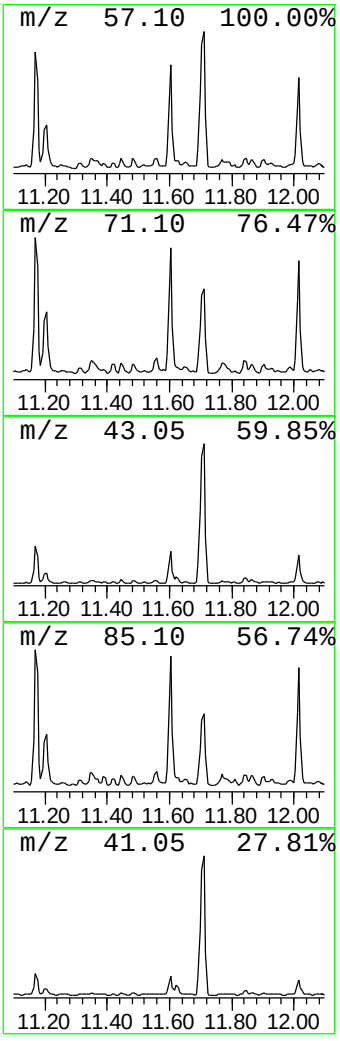
Peak Number 8 Eicosane, 10-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	6.90 ng	740870	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	91
4	Nonadecane	268	C19H40	000629-92-5	91
5	Hexadecane	226	C16H34	000544-76-3	90





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Acq On : 12 Oct 2019 00:23
Operator : JU
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

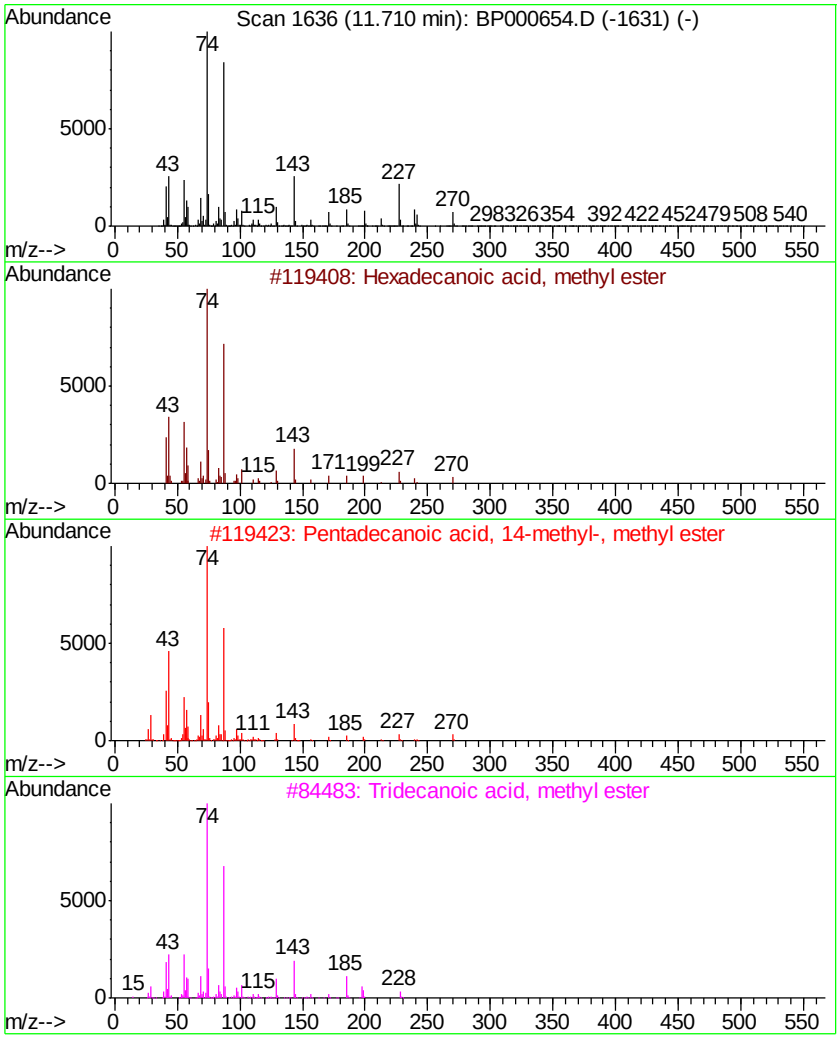
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

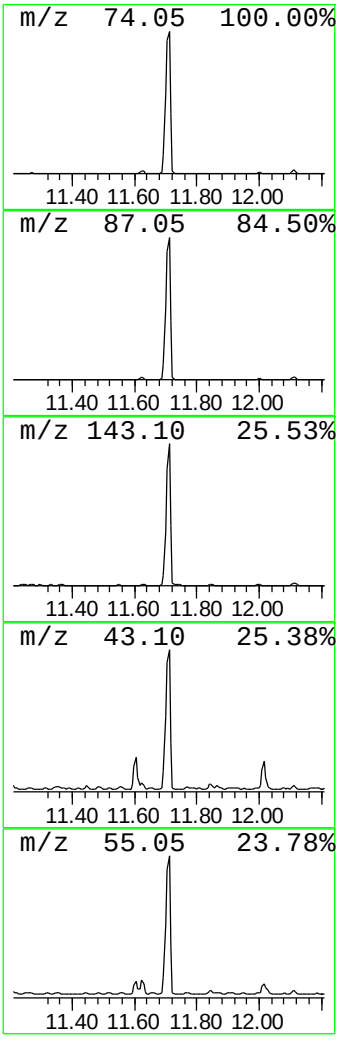
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	83.54 ng	8972340	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	97
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	92
4	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	80
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	76





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Acq On : 12 Oct 2019 00:23
Operator : JU
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

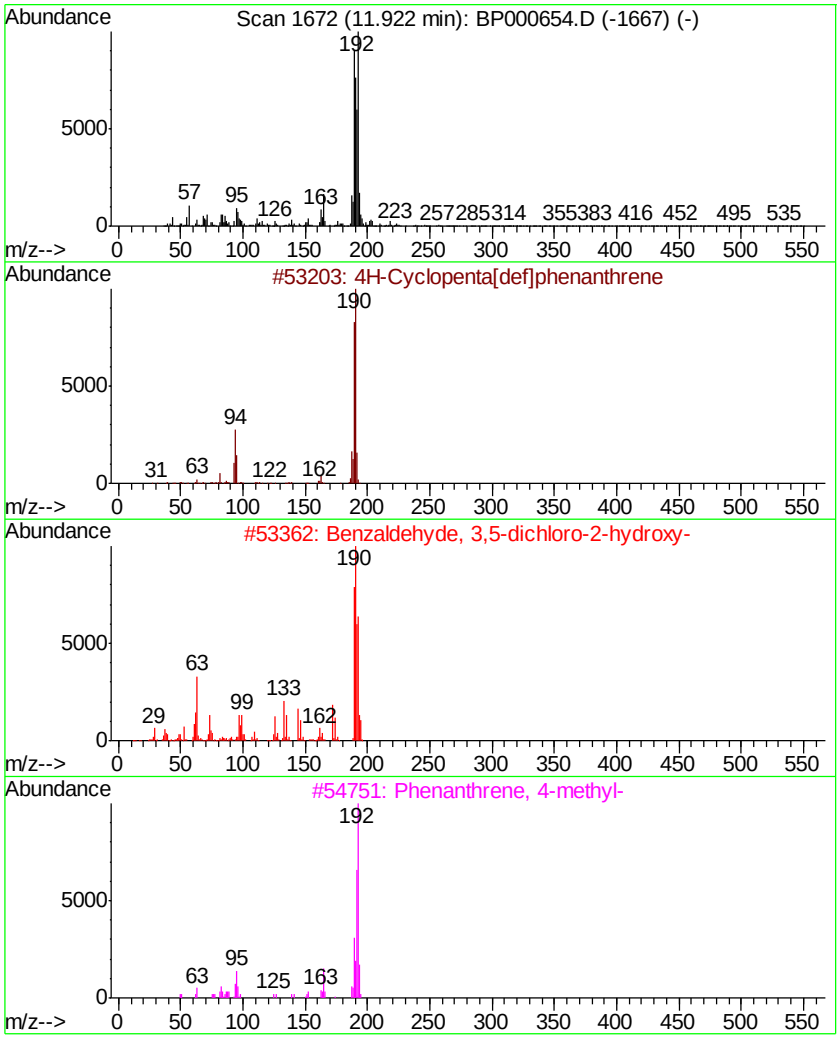
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

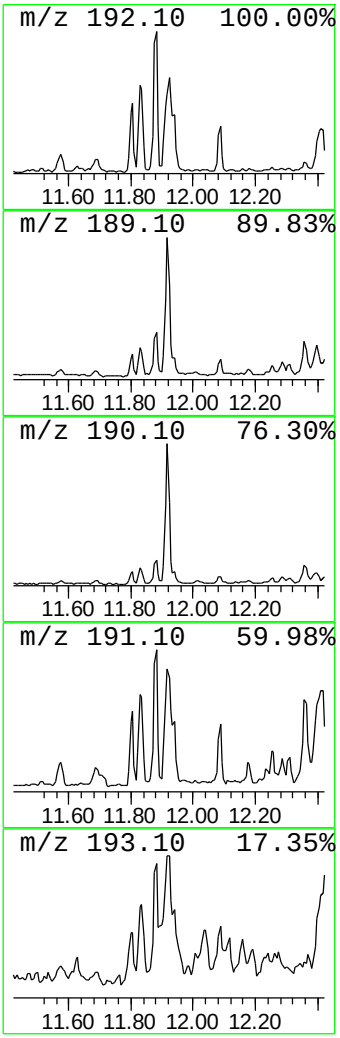
****

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	4.78 ng	513327	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





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Acq On : 12 Oct 2019 00:23
Operator : JU
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

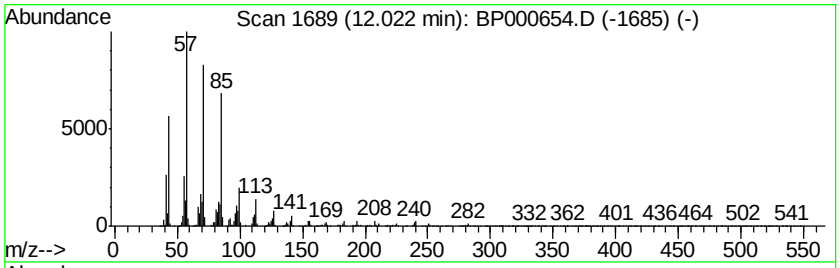
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

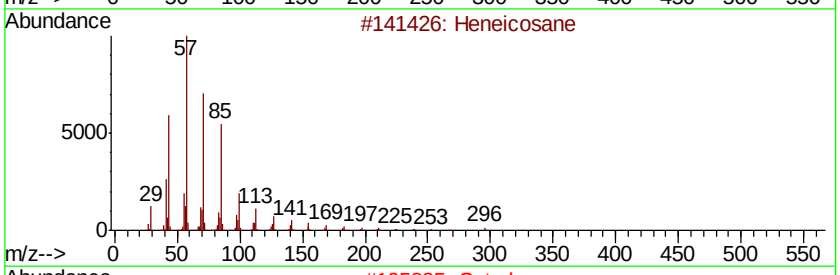
****

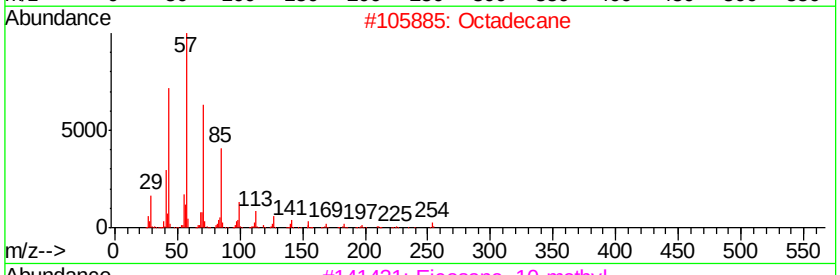
Peak Number 11 Silane, trichlorooctadecyl- Concentration Rank 10

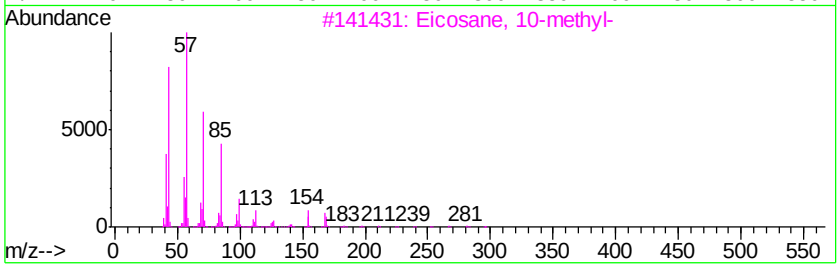
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	7.07 ng	759042	Phenanthrene-d10	11.29

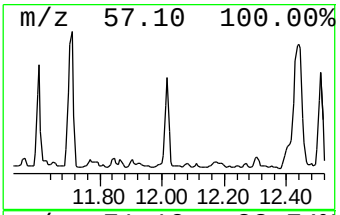
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Octadecane	254	C18H38	000593-45-3	94
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
4	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	93
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	91

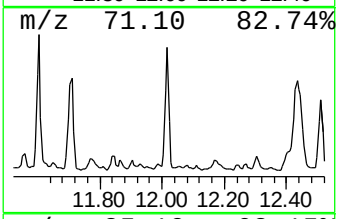


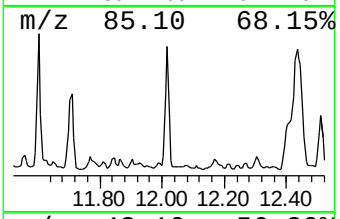


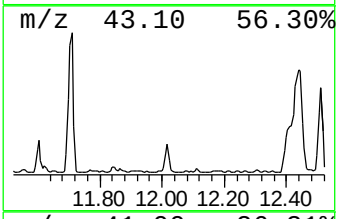


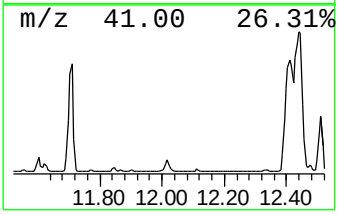












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Data File : BP000654.D
Acq On : 12 Oct 2019 00:23
Operator : JU
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

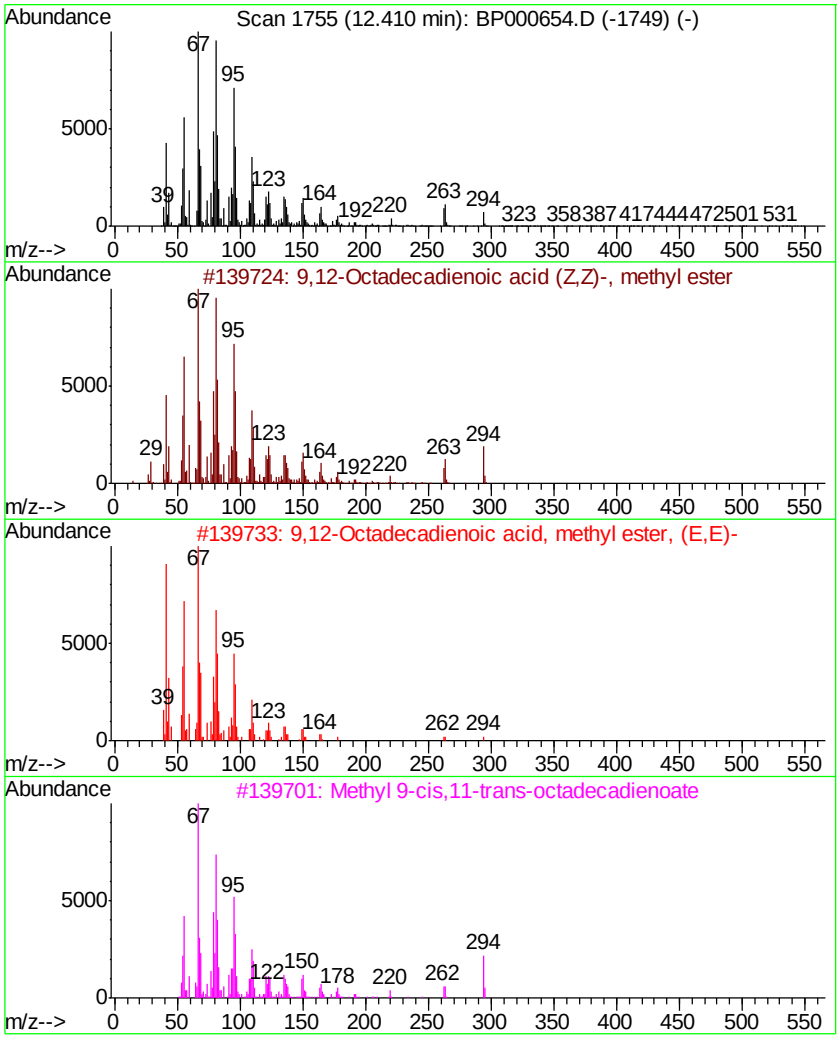
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

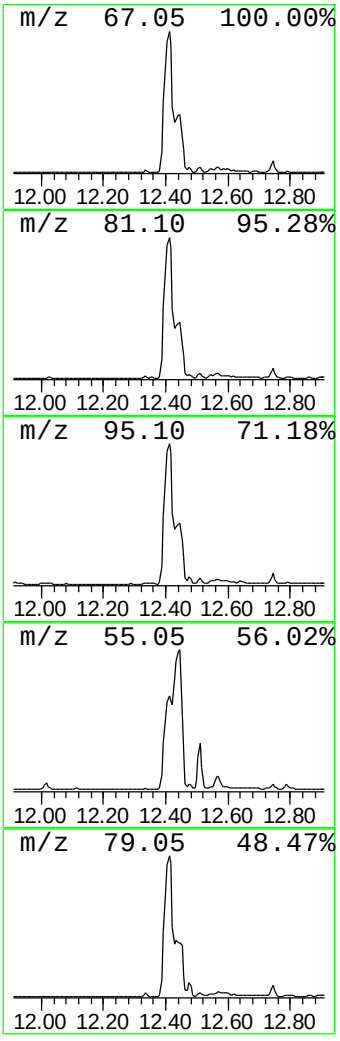
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 9,12-Octadecadienoic acid (... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	164.75 ng	17694900	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
3	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99





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Data File : BP000654.D
Acq On : 12 Oct 2019 00:23
Operator : JU
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

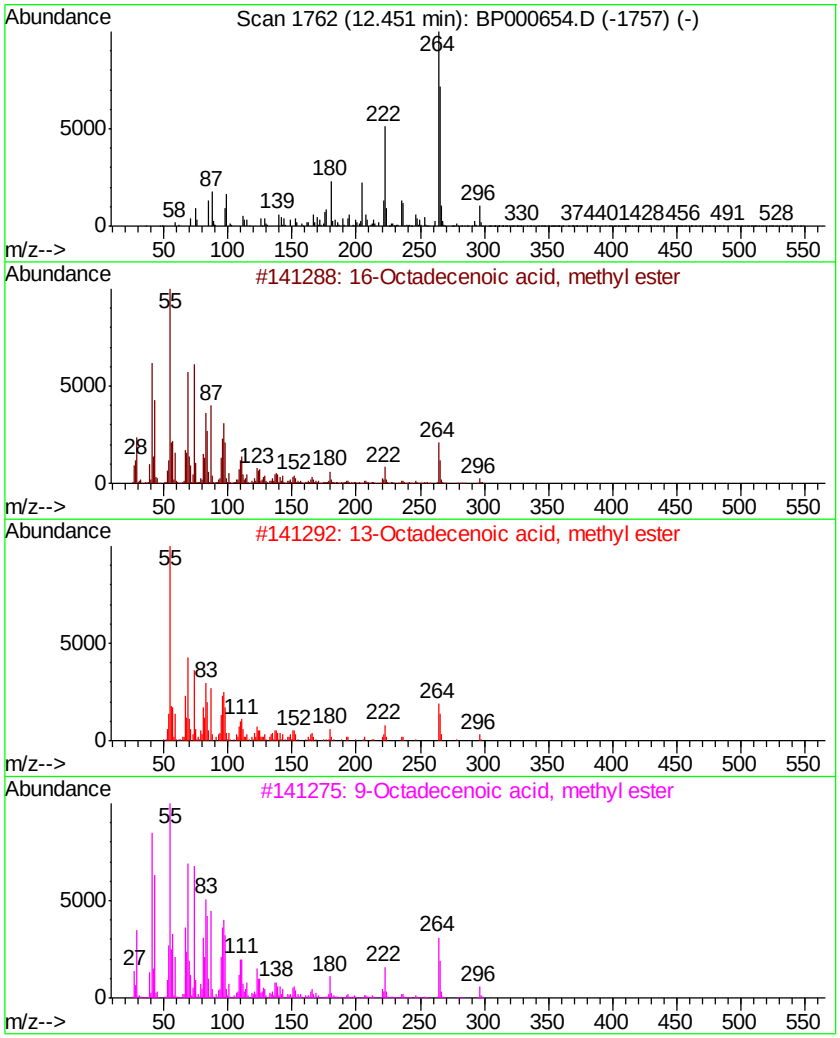
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

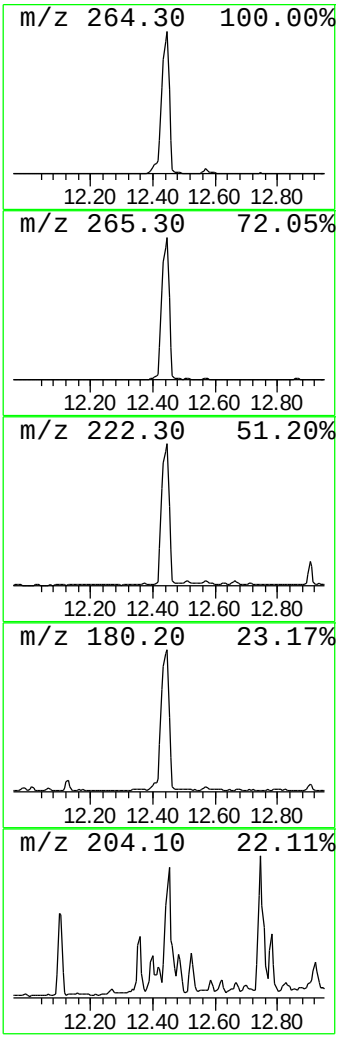
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 16-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	170.77 ng	18341500	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	90
2	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	89
3	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	86
4	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	86
5	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	86





Library Search Compound Report

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Data File : BP000654.D
Acq On : 12 Oct 2019 00:23
Operator : JU
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

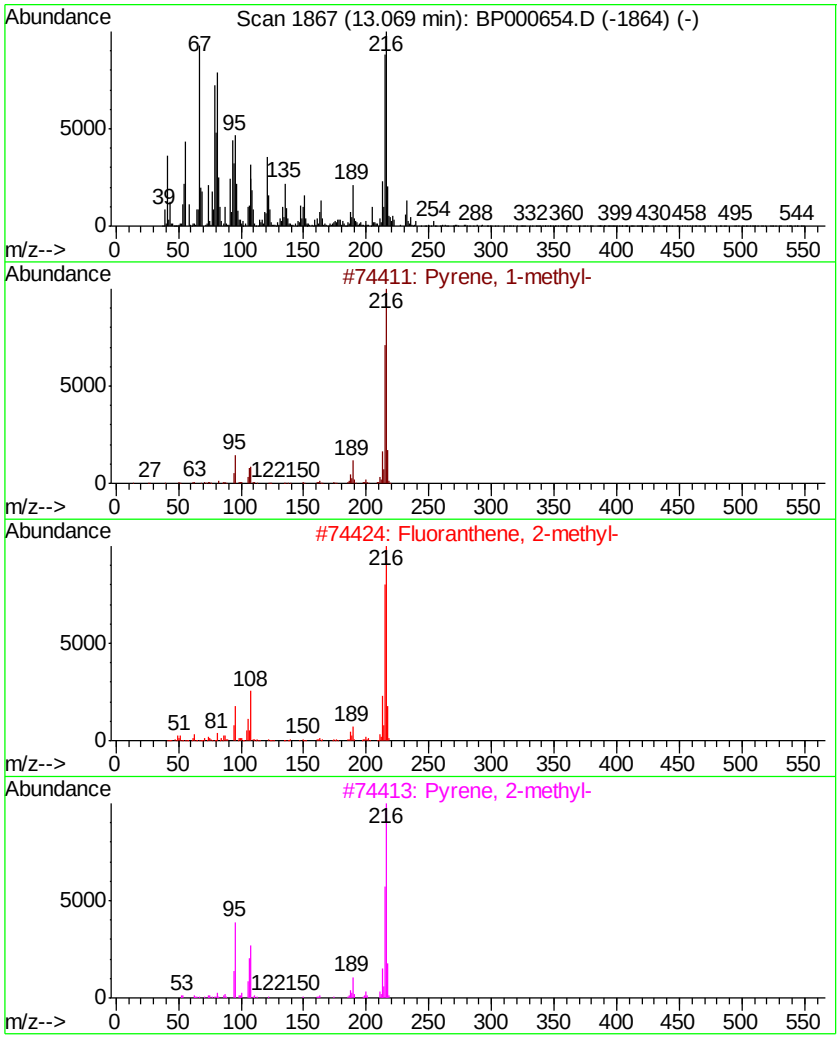
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

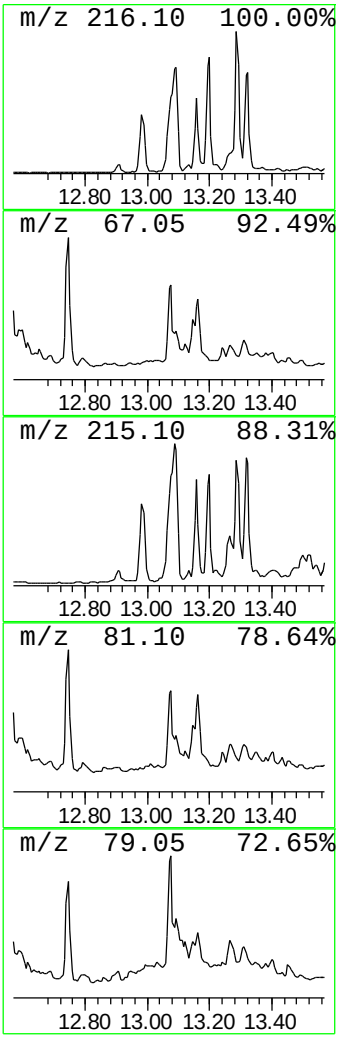
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	4.62 ng	711168	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	52





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Acq On : 12 Oct 2019 00:23
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Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

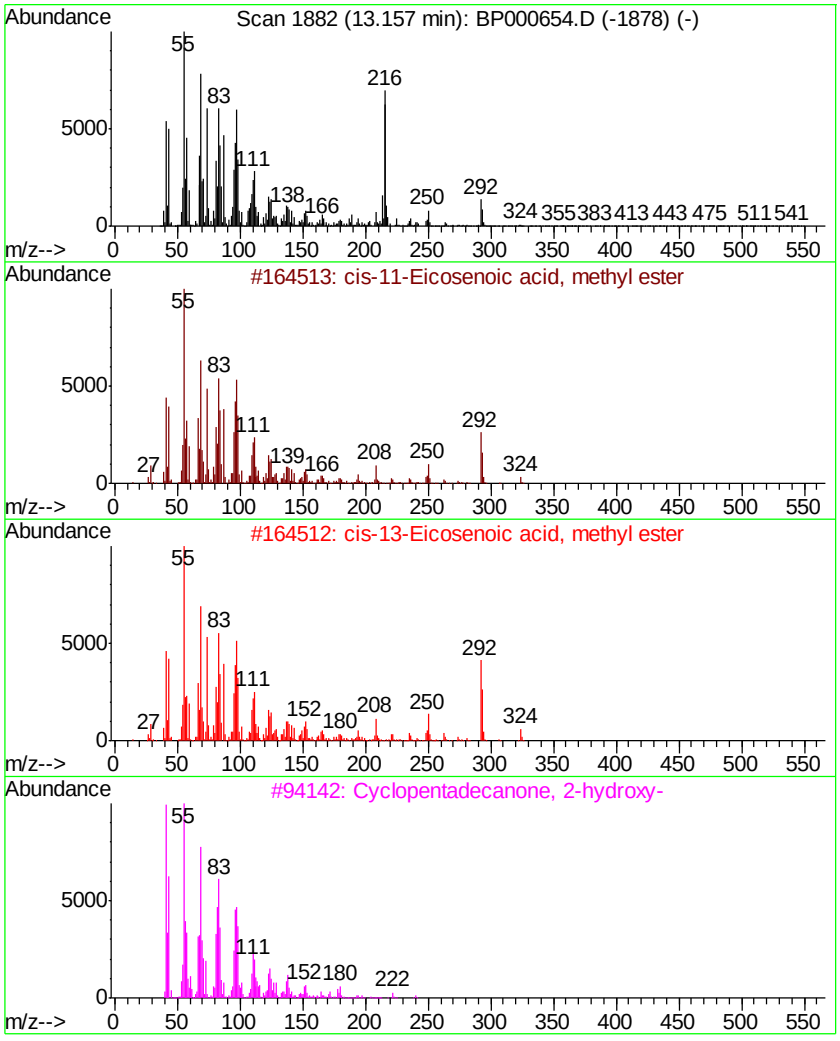
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

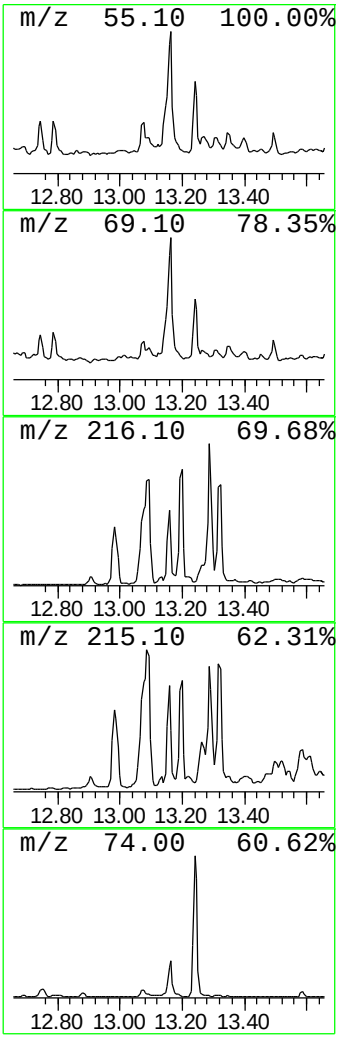
****

Peak Number 15 cis-11-Eicosenoic acid, met... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	10.34 ng	1590300	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-11-Eicosenoic acid, methyl e...	324	C21H40O2	1000333-63-8	99
2	cis-13-Eicosenoic acid, methyl e...	324	C21H40O2	1000333-52-1	86
3	Cyclopentadecanone, 2-hydroxy-	240	C15H28O2	004727-18-8	86
4	Methyl 5-eicosenoate	324	C21H40O2	1000336-48-3	84
5	11-Eicosenoic acid, methyl ester	324	C21H40O2	003946-08-5	83





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Acq On : 12 Oct 2019 00:23
Operator : JU
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

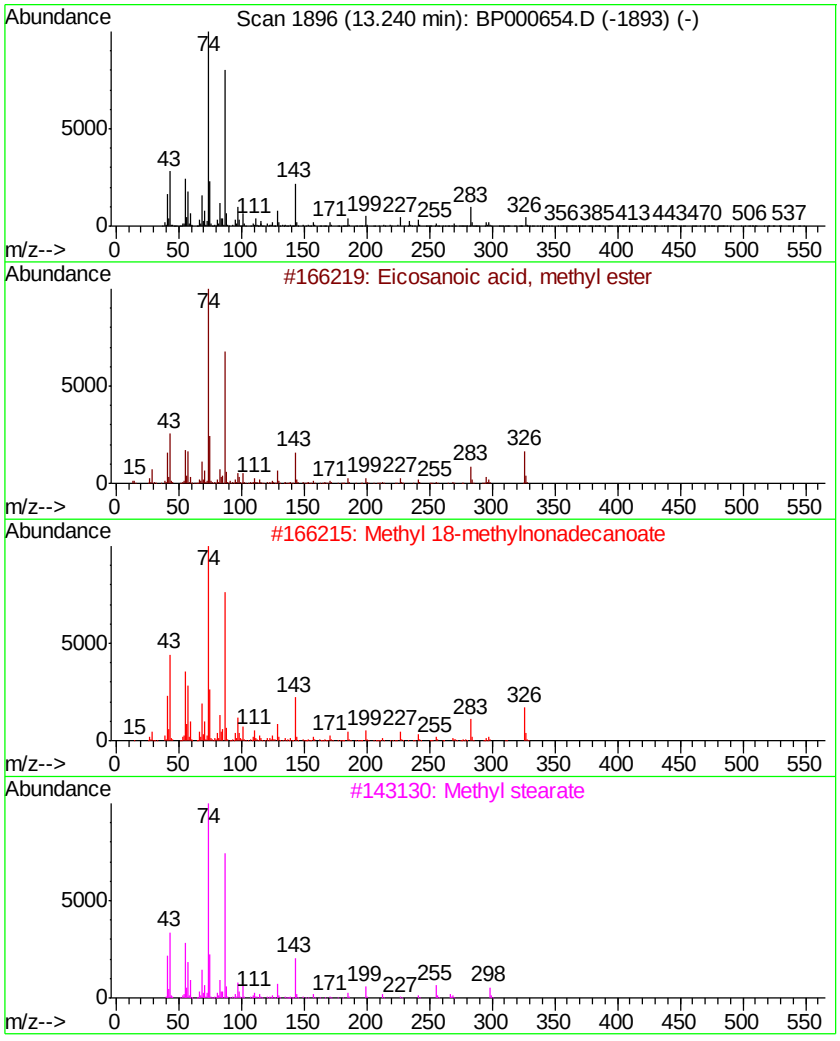
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

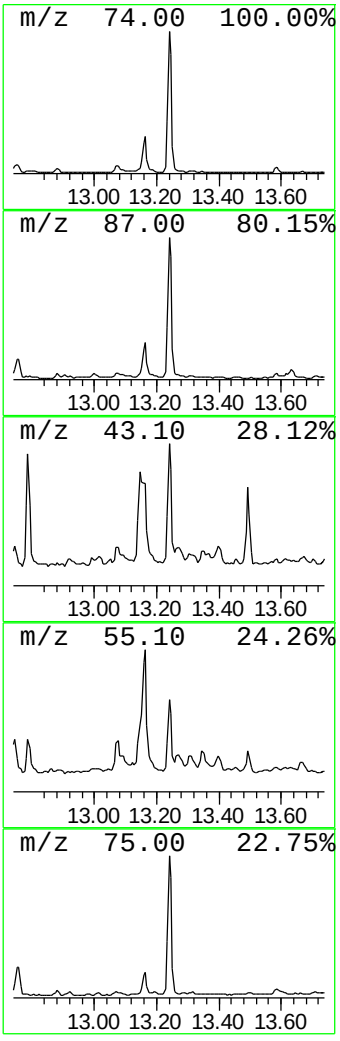
****

Peak Number 16 Eicosanoic acid, methyl ester Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	5.87 ng	902005	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosanoic acid, methyl ester	326	C21H42O2	001120-28-1	98
2	Methyl 18-methylnonadecanoate	326	C21H42O2	1000352-20-6	97
3	Methyl stearate	298	C19H38O2	000112-61-8	87
4	Undecanoic acid, 10-methyl-, met...	214	C13H26O2	005129-56-6	87
5	Nonadecanoic acid, methyl ester	312	C20H40O2	001731-94-8	87





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

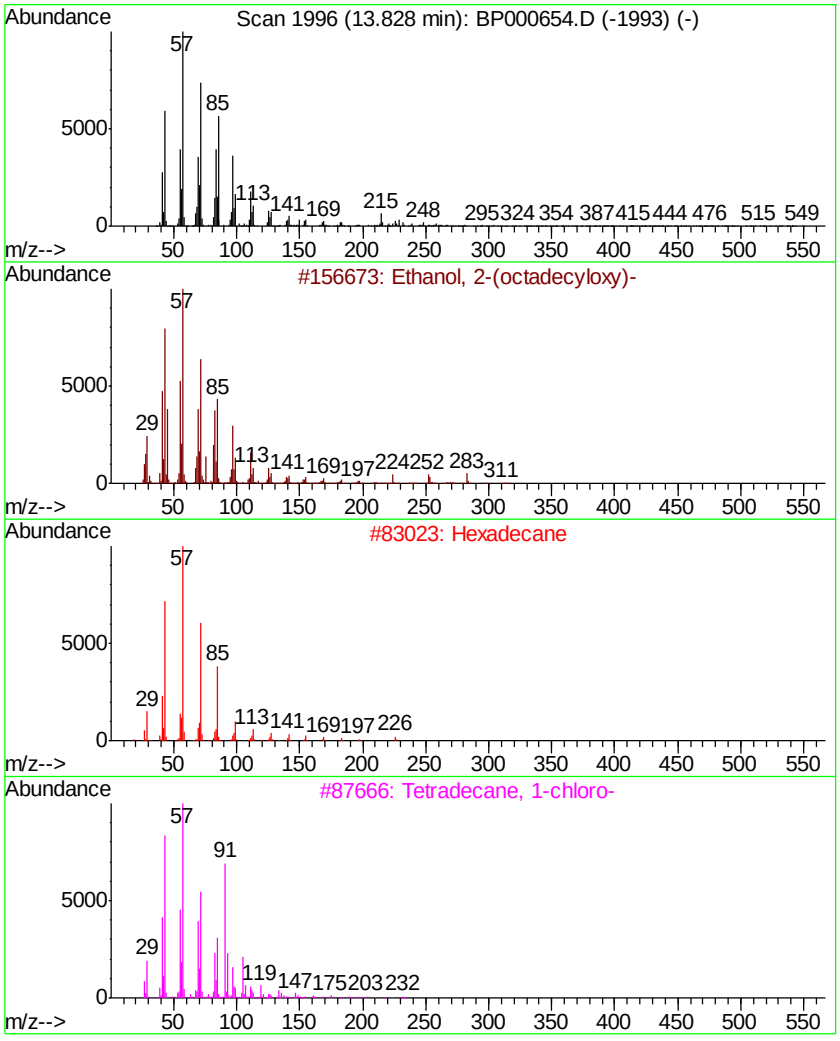
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

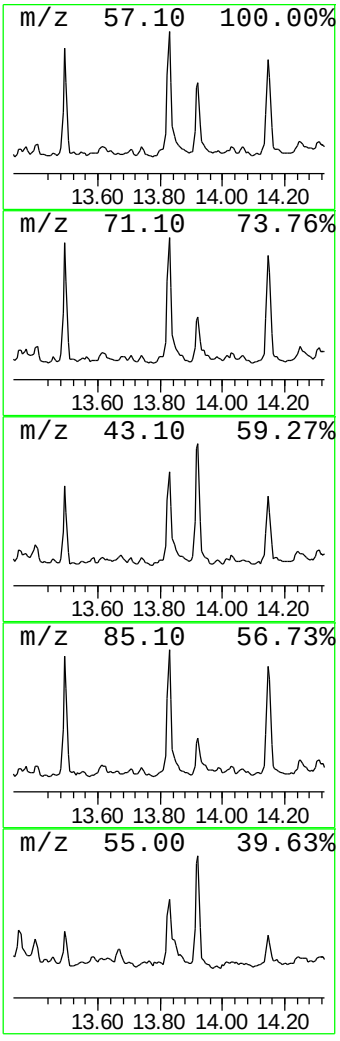
****

Peak Number 17 Ethanol, 2-(octadecyloxy)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	5.07 ng	779277	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(octadecyloxy)-	314	C20H42O2	002136-72-3	93
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	87
4	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	87
5	1-Eicosene	280	C20H40	003452-07-1	64





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Operator : JU
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

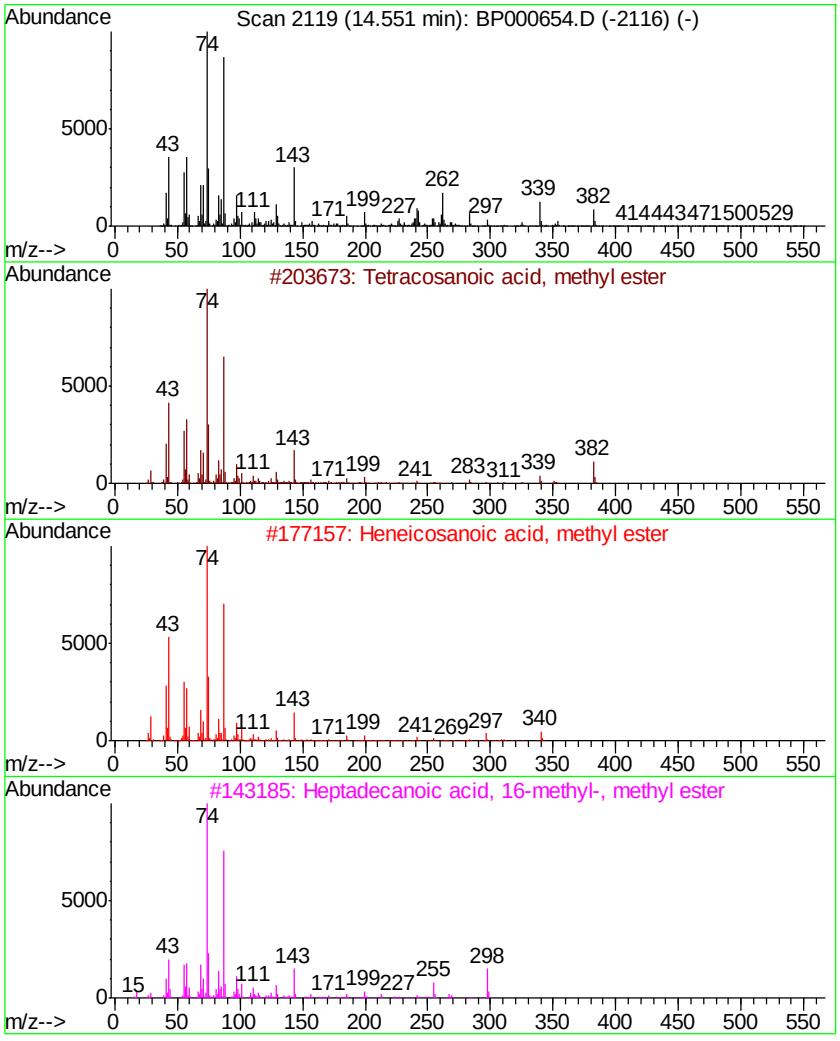
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

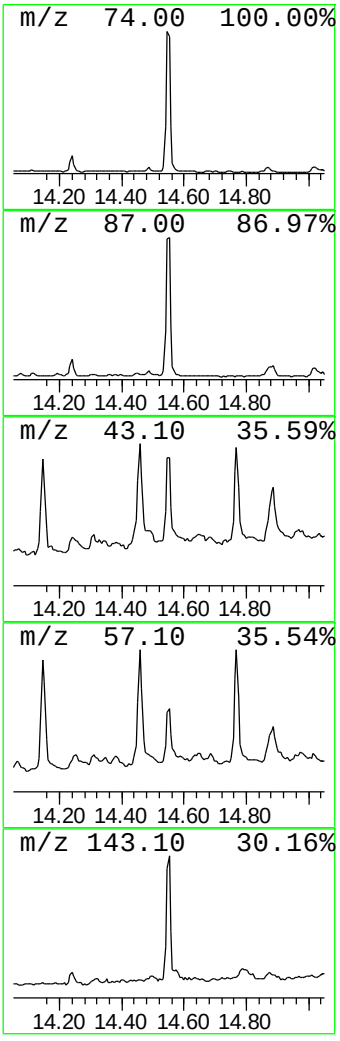
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Tetracosanoic acid, methyl ... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	4.53 ng	696439	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosanoic acid, methyl ester	382	C25H50O2	002442-49-1	95
2	Heneicosanoic acid, methyl ester	340	C22H44O2	006064-90-0	90
3	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	86
4	Methyl stearate	298	C19H38O2	000112-61-8	76
5	Methyl 8-methyl-nonanoate	186	C11H22O2	1000336-43-6	68





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Data File : BP000654.D
Acq On : 12 Oct 2019 00:23
Operator : JU
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

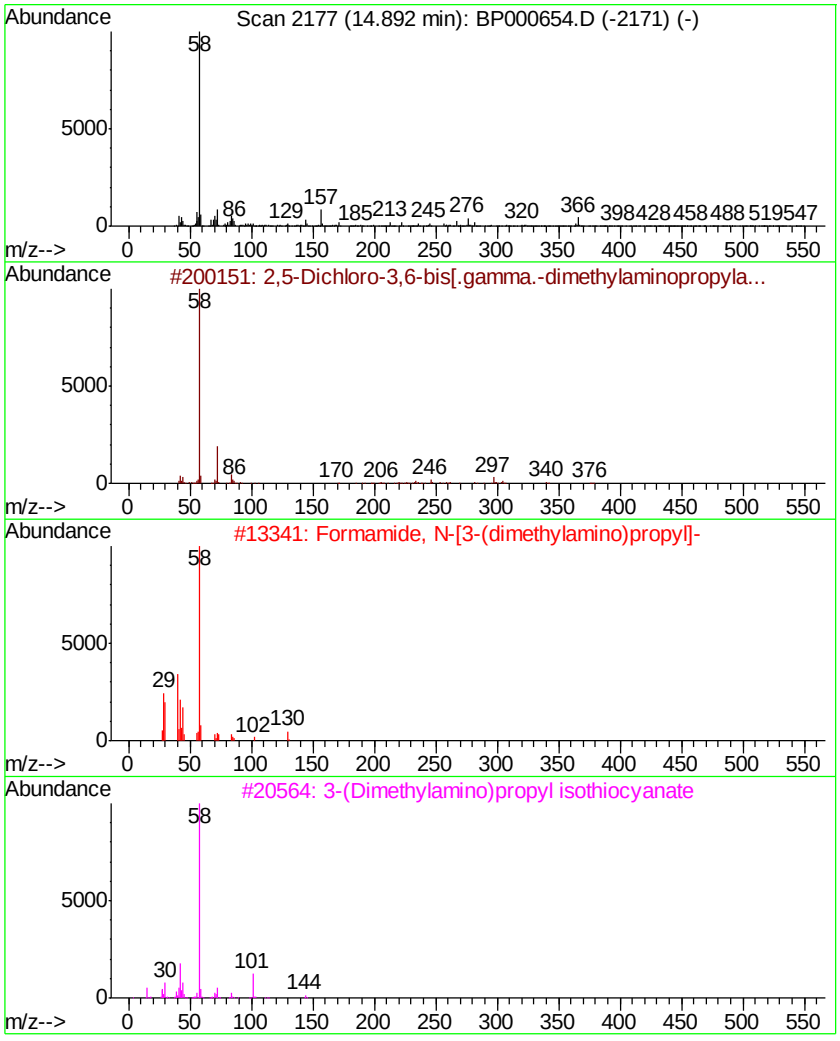
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

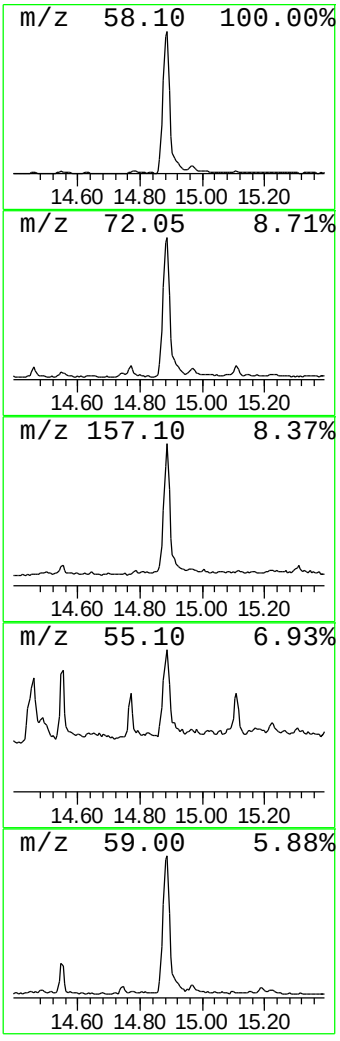
****

Peak Number 19 2,5-Dichloro-3,6-bis[.gamma... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	12.81 ng	1361930	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Dichloro-3,6-bis[.gamma.-dim...	376	C16H26Cl2N4O2	1000255-81-0	64
2	Formamide, N-[3-(dimethylamino)p...	130	C6H14N2O	005922-69-0	59
3	3-(Dimethylamino)propyl isothioc...	144	C6H12N2S	027421-70-1	59
4	N,N-Dimethyloctylamine	157	C10H23N	007378-99-6	59
5	1-Dodecanamine, N,N-dimethyl-	213	C14H31N	000112-18-5	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101119\
Data File : BP000654.D
Acq On : 12 Oct 2019 00:23
Operator : JU
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

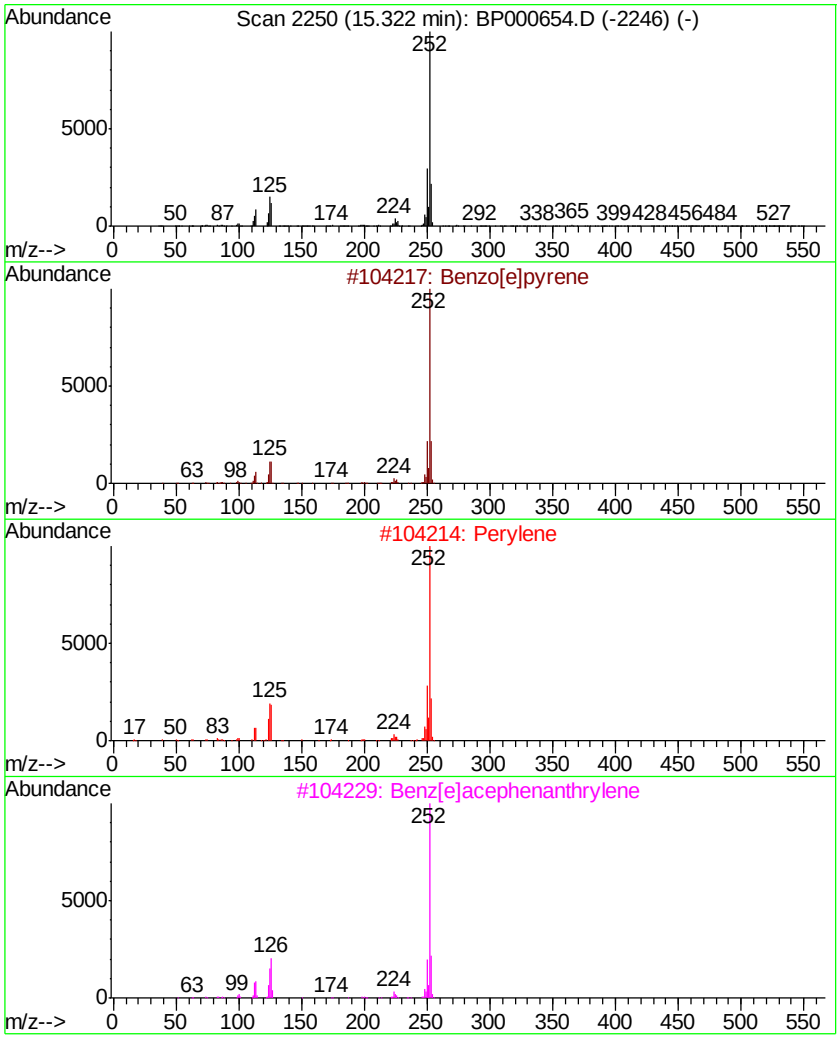
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

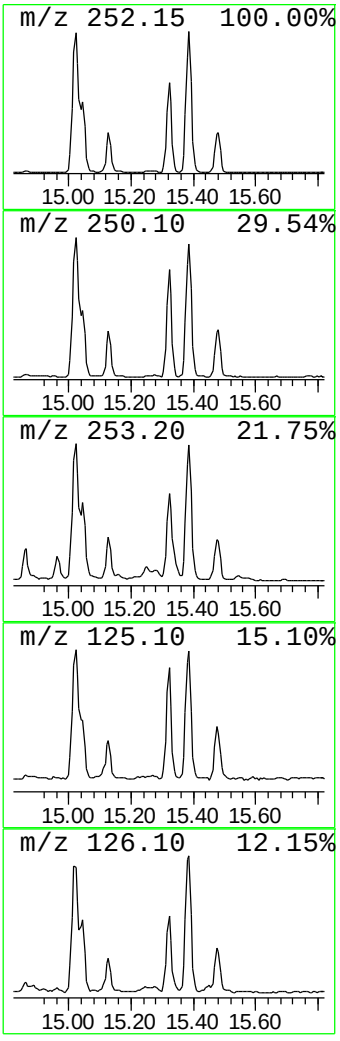
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	10.03 ng	1066110	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP101119\
Data File : BP000654.D
Acq On : 12 Oct 2019 00:23
Operator : JU
Sample : K5145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HD-01-100919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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
unknown6.52	6.52	53.9	ng	3745620	1	6.75	1389240	20.0
Heptadecane	9.74	5.0	ng	568765	3	9.80	2296190	20.0
Hexadecane	10.24	6.7	ng	765923	3	9.80	2296190	20.0
Tetracosane	10.46	5.4	ng	624959	3	9.80	2296190	20.0
Nonadecane, 9-met...	10.72	11.2	ng	1198310	4	11.29	2148060	20.0
Heneicosane	11.17	6.9	ng	742085	4	11.29	2148060	20.0
Eicosane, 10-methyl-	11.60	6.9	ng	740870	4	11.29	2148060	20.0
Hexadecanoic acid...	11.71	83.5	ng	8972340	4	11.29	2148060	20.0
4H-Cyclopenta[def...	11.92	4.8	ng	513327	4	11.29	2148060	20.0
Silane, trichloro...	12.02	7.1	ng	759042	4	11.29	2148060	20.0
9,12-Octadecadien...	12.41	164.8	ng	17694900	4	11.29	2148060	20.0
16-Octadecenoic a...	12.45	170.8	ng	18341500	4	11.29	2148060	20.0
Pyrene, 1-methyl-	13.07	4.6	ng	711168	5	13.97	3075780	20.0
cis-11-Eicosenoic...	13.16	10.3	ng	1590300	5	13.97	3075780	20.0
Eicosanoic acid, ...	13.24	5.9	ng	902005	5	13.97	3075780	20.0
Ethanol, 2-(octad...	13.83	5.1	ng	779277	5	13.97	3075780	20.0
Tetracosanoic aci...	14.55	4.5	ng	696439	5	13.97	3075780	20.0
2,5-Dichloro-3,6-...	14.89	12.8	ng	1361930	6	15.45	2126190	20.0
Benzo[e]pyrene	15.32	10.0	ng	1066110	6	15.45	2126190	20.0