LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092619\
Data File : BP000424.D
Acq On : 26 Sep 2019 15:57
Operator : JU
Sample : K5019-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : QNWP8-MW30S-GW

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-BP091619.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	3.805	287	292	302	rVB4	38333	93708	1.02%	0.144%
2	4.999	491	495	501	rBV2	120530	191384	2.09%	0.294%
3	5.416	559	566	569	rBV	3802266	3746990	40.89%	5.755%
4	5.958	652	658	662	rVB3	104291	133694	1.46%	0.205%
5	6.046	670	673	676	rBV2	187923	174443	1.90%	0.268%
6	6.234	699	705	710	rBV2	62471	109683	1.20%	0.168%
7	6.428	734	738	743	rBV	2841599	2858624	31.20%	4.390%
8	6.563	756	761	764	rVB	6071911	5467827	59.67%	8.398%
9	6.787	796	799	802	rBV	1917876	1468274	16.02%	2.255%
10	6.946	822	826	829	rBV	5703974	4731825	51.64%	7.267%
11	7.346	886	894	897	rBV	3951582	3697808	40.36%	5.679%
12	7.434	905	909	913	rBV5	110664	127756	1.39%	0.196%
13	7.563	926	931	935	rBV3	99648	124157	1.36%	0.191%
14	7.810	967	973	982	rBV4	151536	203011	2.22%	0.312%
15	8.069	1013	1017	1020	rBV	2330141	1864993	20.35%	2.864%
16	9.151	1197	1201	1204	rBV	9003752	7368993	80.42%	11.317%
17	9.416	1242	1246	1250	rBV2	81453	109018	1.19%	0.167%
18	9.487	1255	1258	1261	rVV	104425	109582	1.20%	0.168%
19	9.546	1265	1268	1273	rVV	849036	742340	8.10%	1.140%
20	9.604	1276	1278	1283	rVB	78865	97344	1.06%	0.150%
21	9.687	1289	1292	1298	rVB	102330	101836	1.11%	0.156%
22	9.834	1313	1317	1319	rBV	2585243	2254506	24.61%	3.463%
23	9.863	1319	1322	1326	rVB	1214883	930023	10.15%	1.428%
24	9.993	1339	1344	1348	rBV2	76645	102245	1.12%	0.157%
25	10.034	1348	1351	1355	rVV	93496	94558	1.03%	0.145%
26	10.628	1448	1452	1455	rBV	5946509	5054910	55.17%	7.763%
27	10.763	1470	1475	1480	rVB2	93454	150583	1.64%	0.231%
28	11.328	1565	1571	1575	rBV	2985034	2470001	26.96%	3.793%
29	11.875	1660	1664	1668	rBV	667274	670068	7.31%	1.029%
30	11.951	1674	1677	1682	rVB2	87931	98636	1.08%	0.151%
31	12.663	1795	1798	1809	rBV	193716	292535	3.19%	0.449%
32	12.940	1840	1845	1848	rBV	9054661	9162743	100.00%	14.072%
33	13.851	1996	2000	2014	rBV	920670	1159819	12.66%	1.781%
34	13.998	2021	2025	2032	rBV	2835534	2566847	28.01%	3.942%

LSC Area Percent Report

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Operator : JU
Sample : K5019-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : QNWP8-MW30S-GW

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-BP091619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.175	2053	2055	2059	rBV	146987	142810	1.56%	0.219%
36	14.486	2105	2108	2116	rVB	269147	288656	3.15%	0.443%
37	14.598	2124	2127	2133	rVB2	85756	95875	1.05%	0.147%
38	14.798	2158	2161	2166	rVB	375554	344624	3.76%	0.529%
39	14.875	2172	2174	2184	rVB2	109969	127508	1.39%	0.196%
40	15.145	2216	2220	2231	rVB	417620	486850	5.31%	0.748%
41	15.486	2273	2278	2282	rBV	2059505	2577602	28.13%	3.959%
42	15.533	2282	2286	2308	rVB2	648814	1813053	19.79%	2.785%
43	15.981	2357	2362	2367	rBV	305352	471418	5.14%	0.724%
44	16.498	2446	2450	2453	rBV	145989	232628	2.54%	0.357%

Sum of corrected areas: 65111788

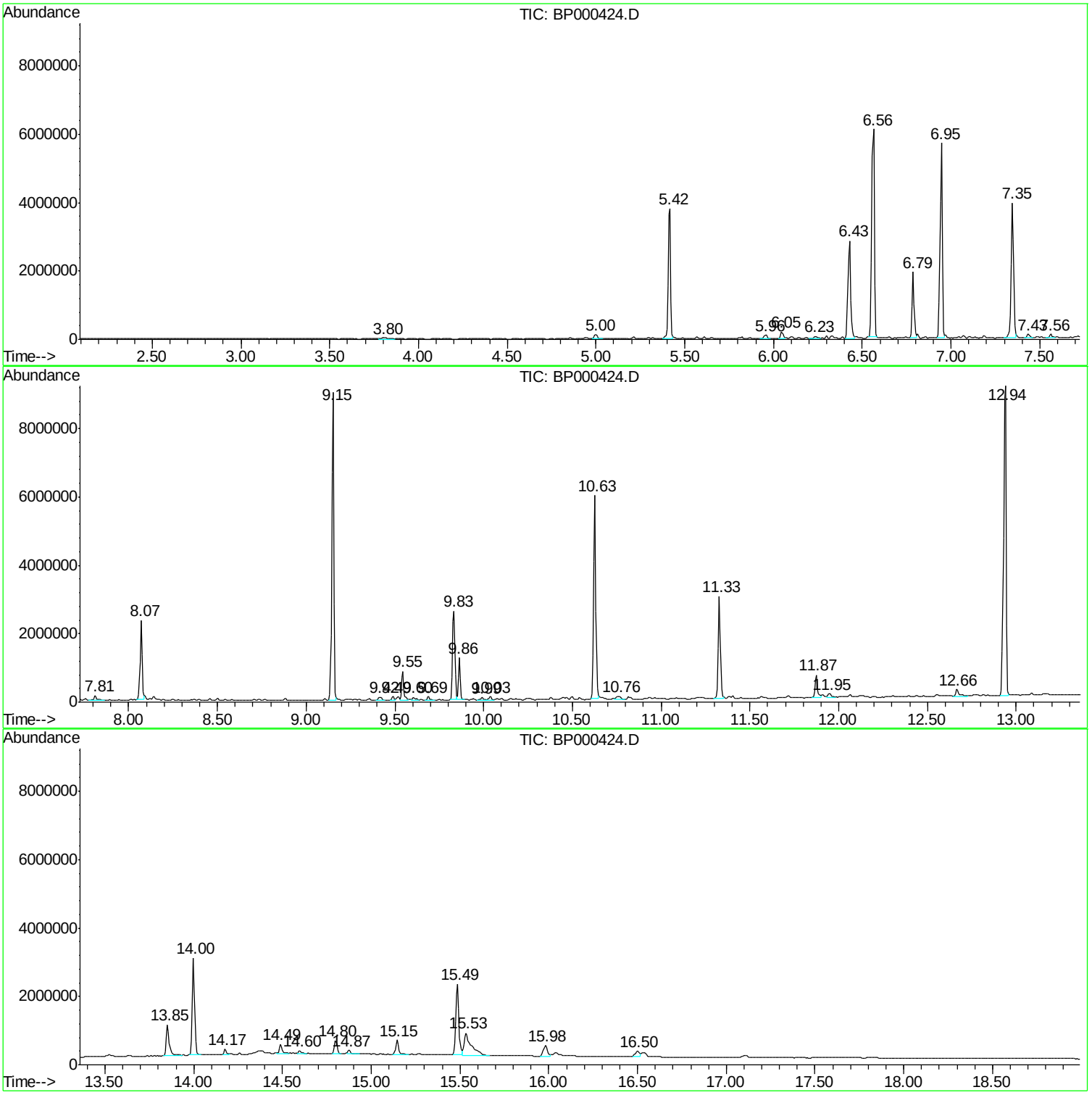
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092619\
Data File : BP000424.D
Acq On : 26 Sep 2019 15:57
Operator : JU
Sample : K5019-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : QNWP8-MW30S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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 P\DATA\BP092619\
Data File : BP000424.D
Acq On : 26 Sep 2019 15:57
Operator : JU
Sample : K5019-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : QNWP8-MW30S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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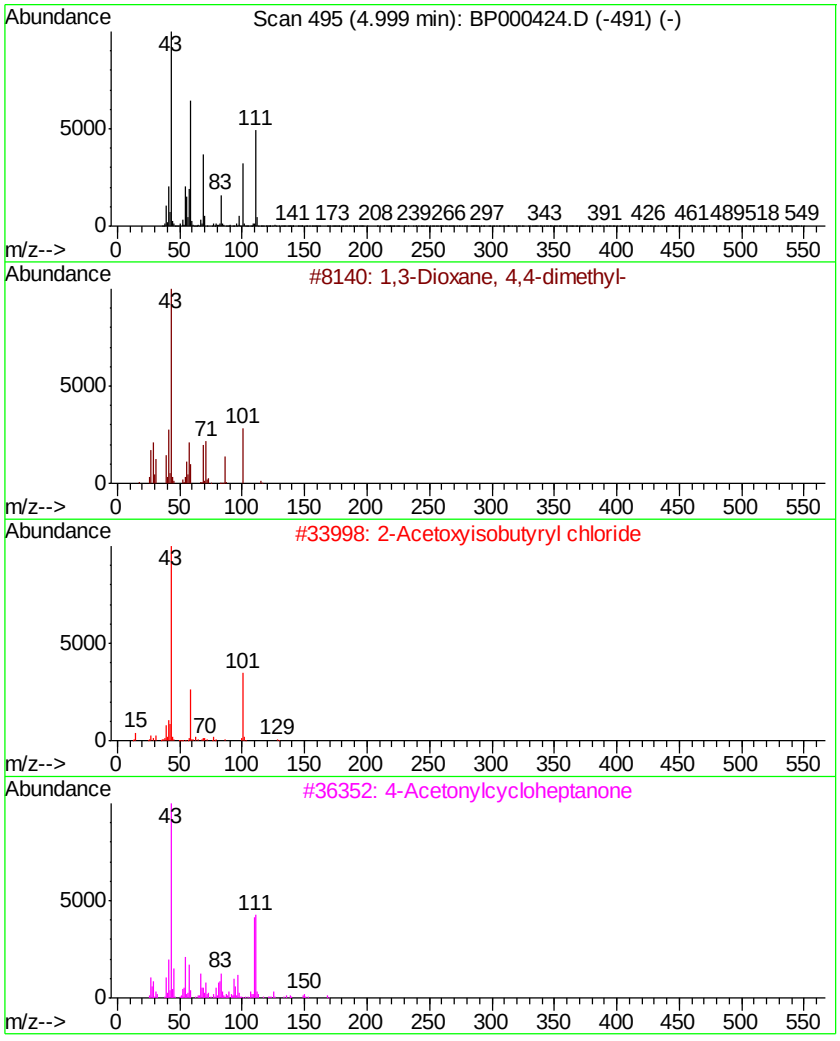
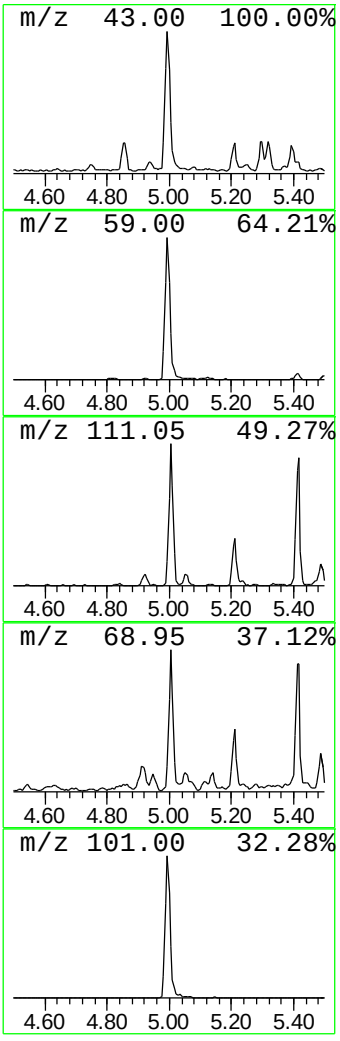
Peak Number 1 unknown5.00 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	2.61 ng	191384	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxane, 4,4-dimethyl-	116	C6H12O2	000766-15-4	35
2	2-Acetoxyisobutyryl chloride	164	C6H9ClO3	040635-66-3	35
3	4-Acetonylcycloheptanone	168	C10H16O2	086428-60-6	25
4	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	16
5	Methyl 2,5,8,11-tetraoxatridecan...	236	C10H20O6	1000366-78-2	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092619\
Data File : BP000424.D
Acq On : 26 Sep 2019 15:57
Operator : JU
Sample : K5019-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : QNWP8-MW30S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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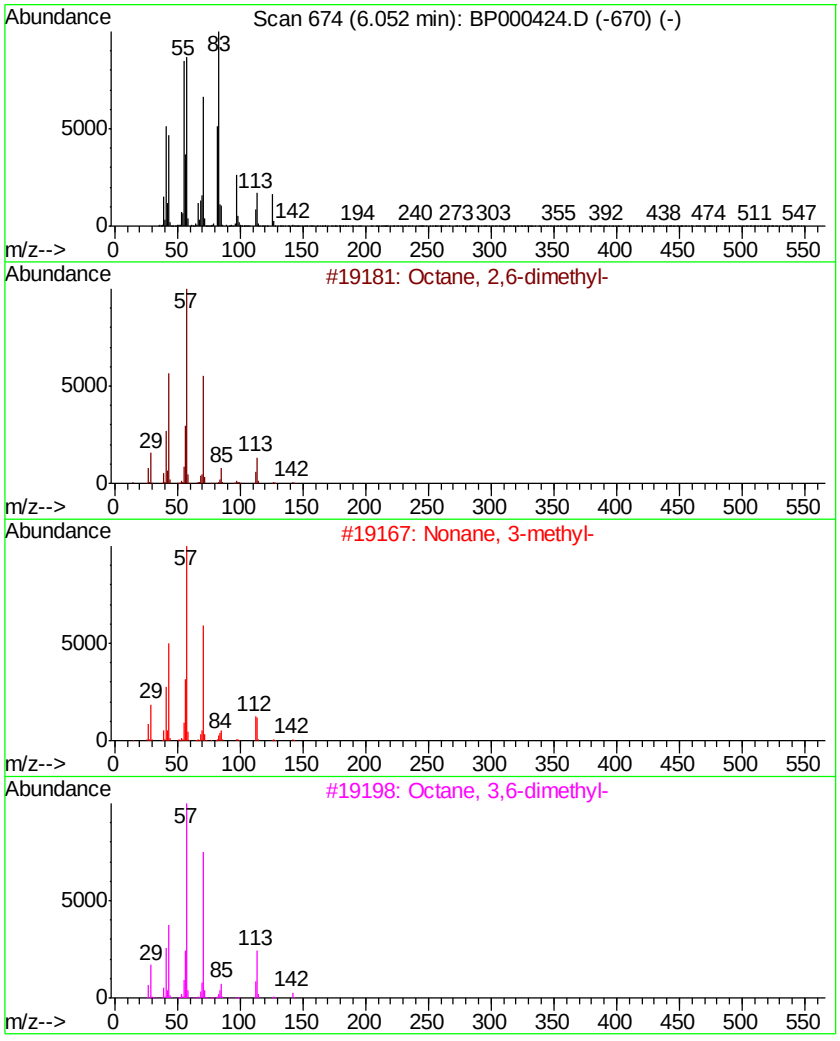
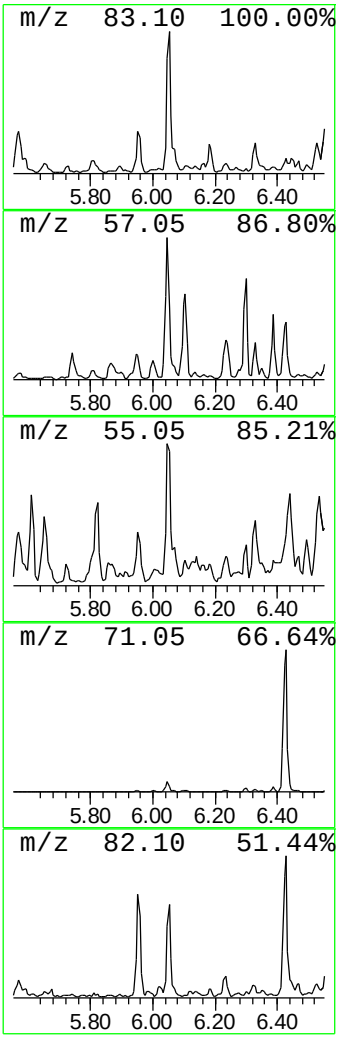
Peak Number 2 Octane, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	2.38 ng	174443	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	60
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	49
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	43
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	43
5	3-Bromooctane	192	C8H17Br	000999-64-4	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092619\
Data File : BP000424.D
Acq On : 26 Sep 2019 15:57
Operator : JU
Sample : K5019-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : QNWP8-MW30S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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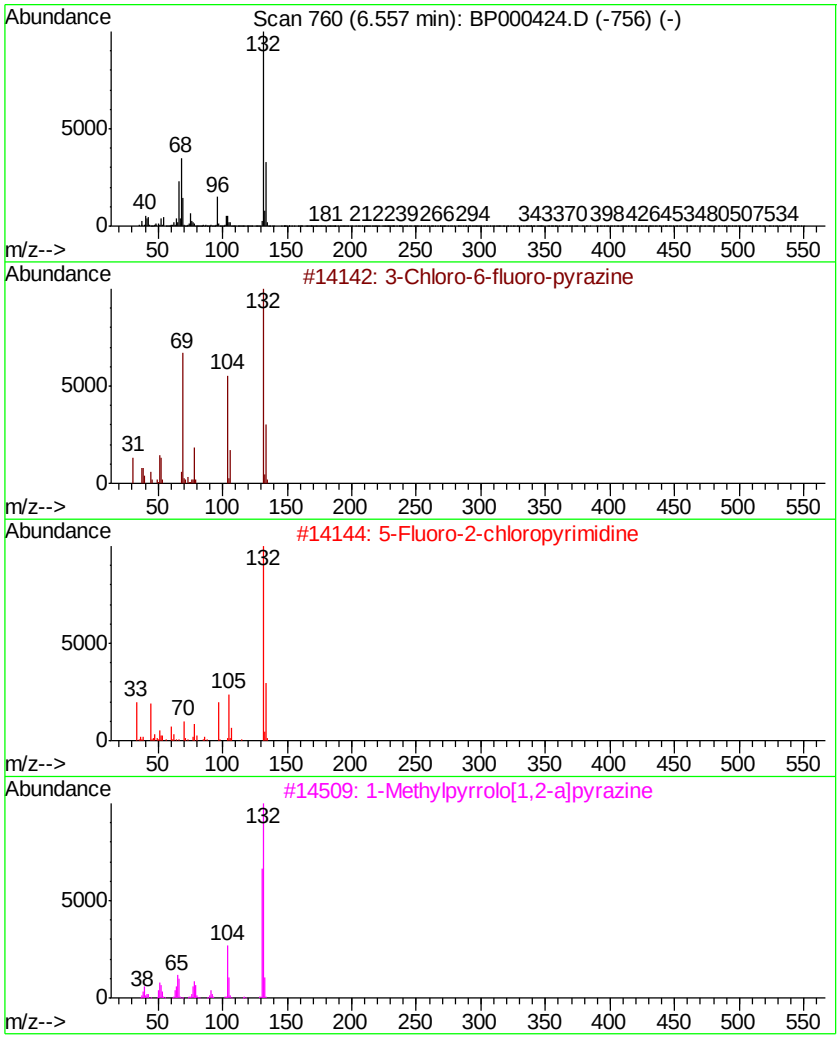
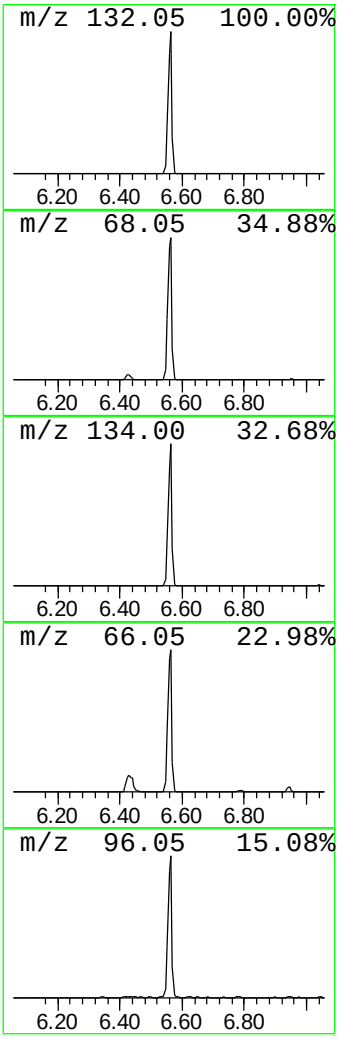
Peak Number 3 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	74.48 ng	5467830	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092619\
Data File : BP000424.D
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Operator : JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : QNWP8-MW30S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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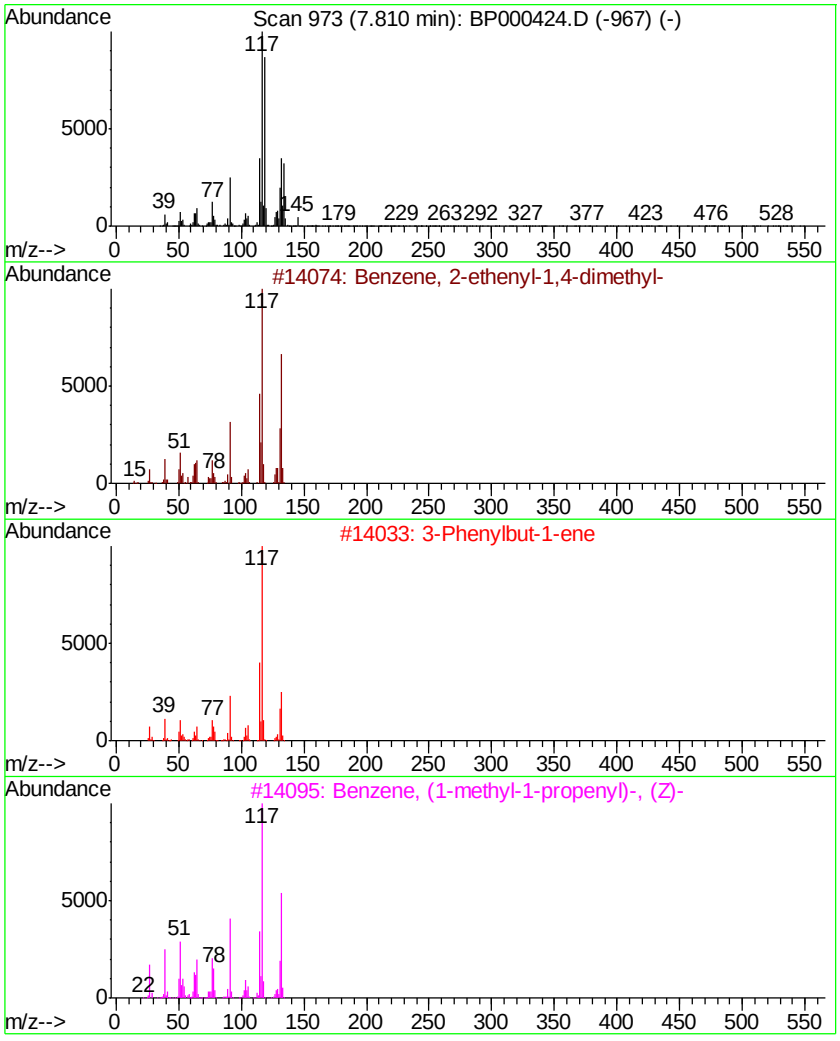
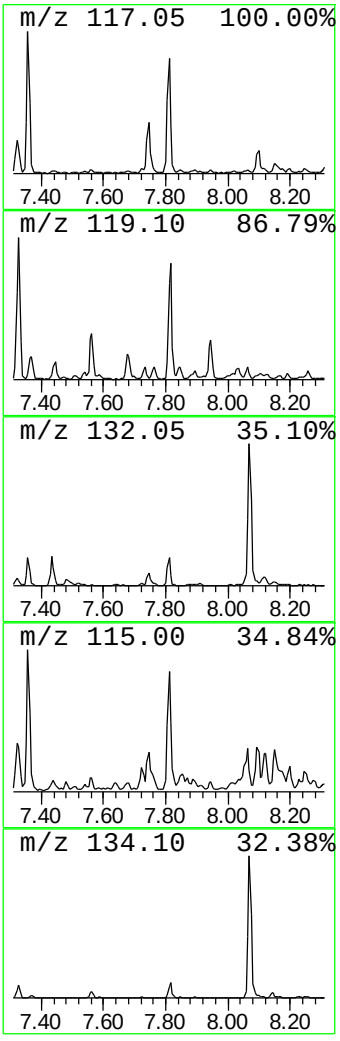
Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	2.18 ng	203011	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	55
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	55





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Operator : JU
Sample : K5019-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : QNWP8-MW30S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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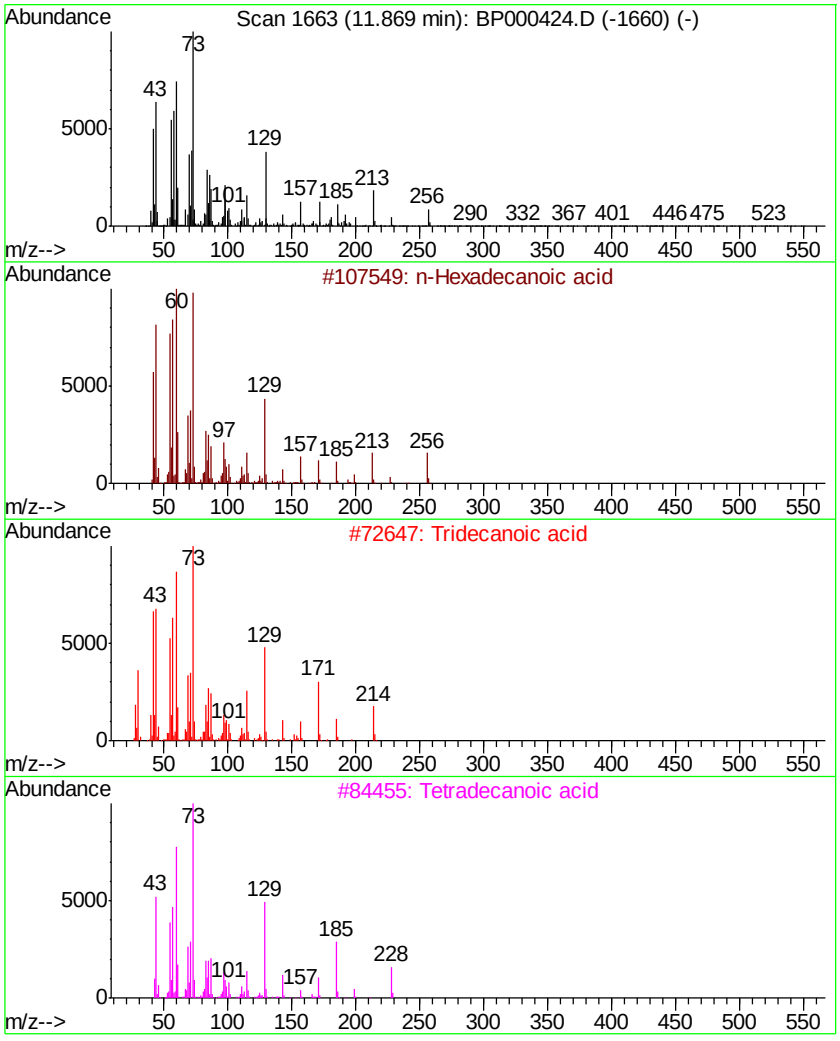
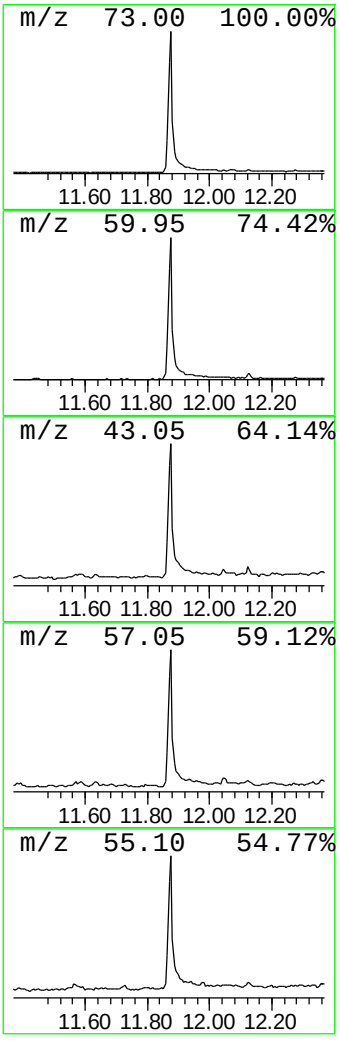
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	5.43 ng	670068	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Undecanoic acid	186	C11H22O2	000112-37-8	74
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	68





Library Search Compound Report

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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : QNWP8-MW30S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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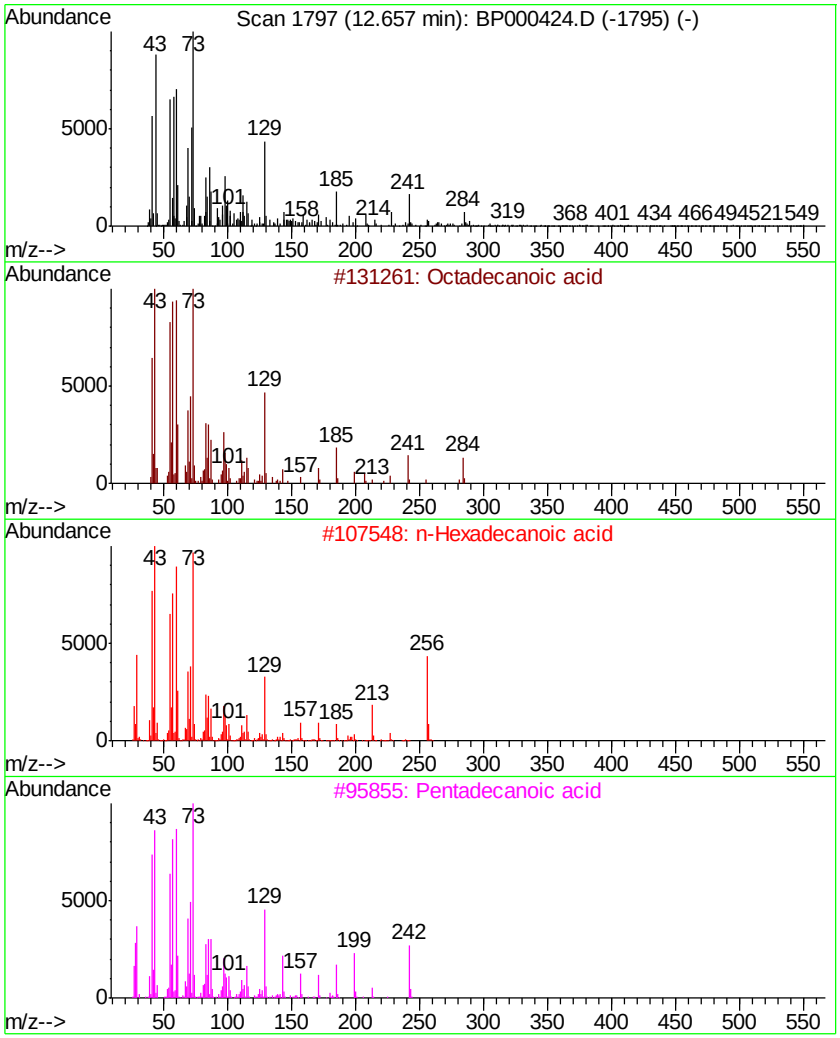
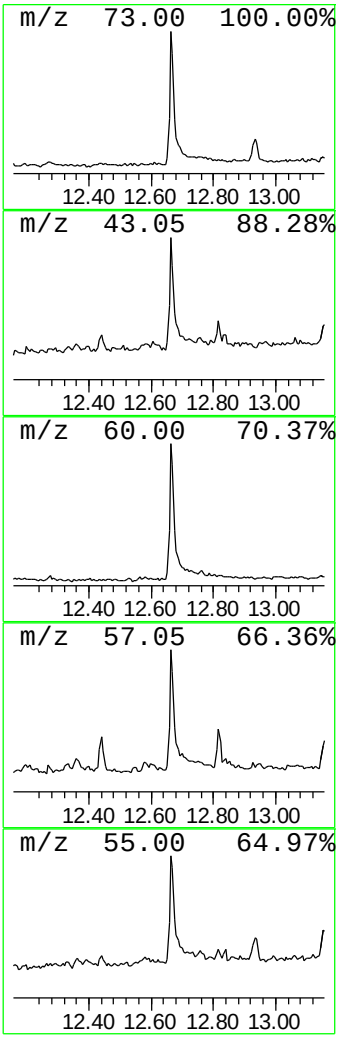
Peak Number 7 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	2.28 ng	292535	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	86
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
5	Tridecanoic acid	214	C13H26O2	000638-53-9	62





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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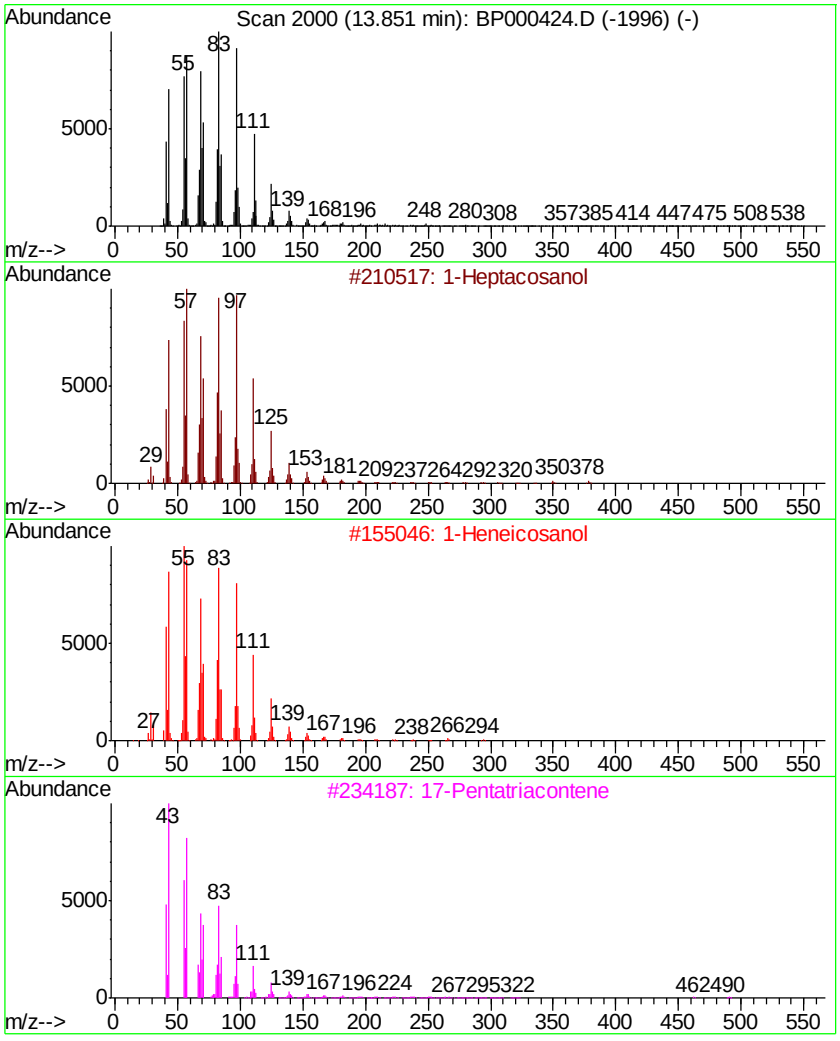
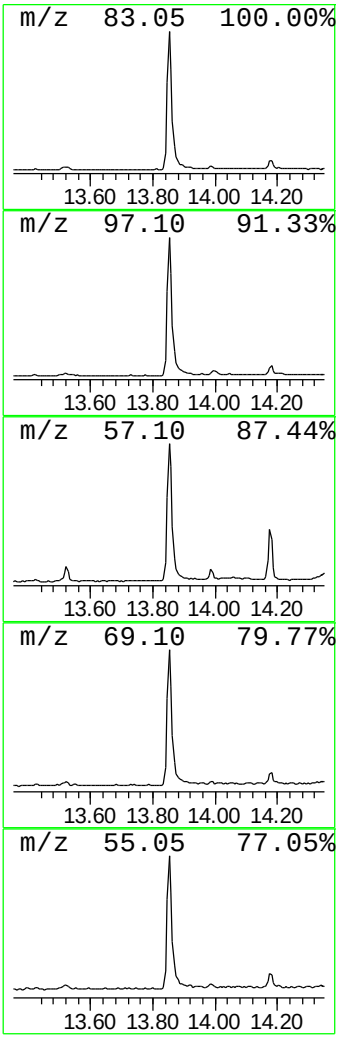
Peak Number 8 1-Heptacosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	9.04 ng	1159820	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	95
2	1-Heneicosanol	312	C21H44O	015594-90-8	94
3	17-Pentatriacontene	491	C35H70	006971-40-0	94
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	94
5	1-Nonadecene	266	C19H38	018435-45-5	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092619\
Data File : BP000424.D
Acq On : 26 Sep 2019 15:57
Operator : JU
Sample : K5019-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : QNWP8-MW30S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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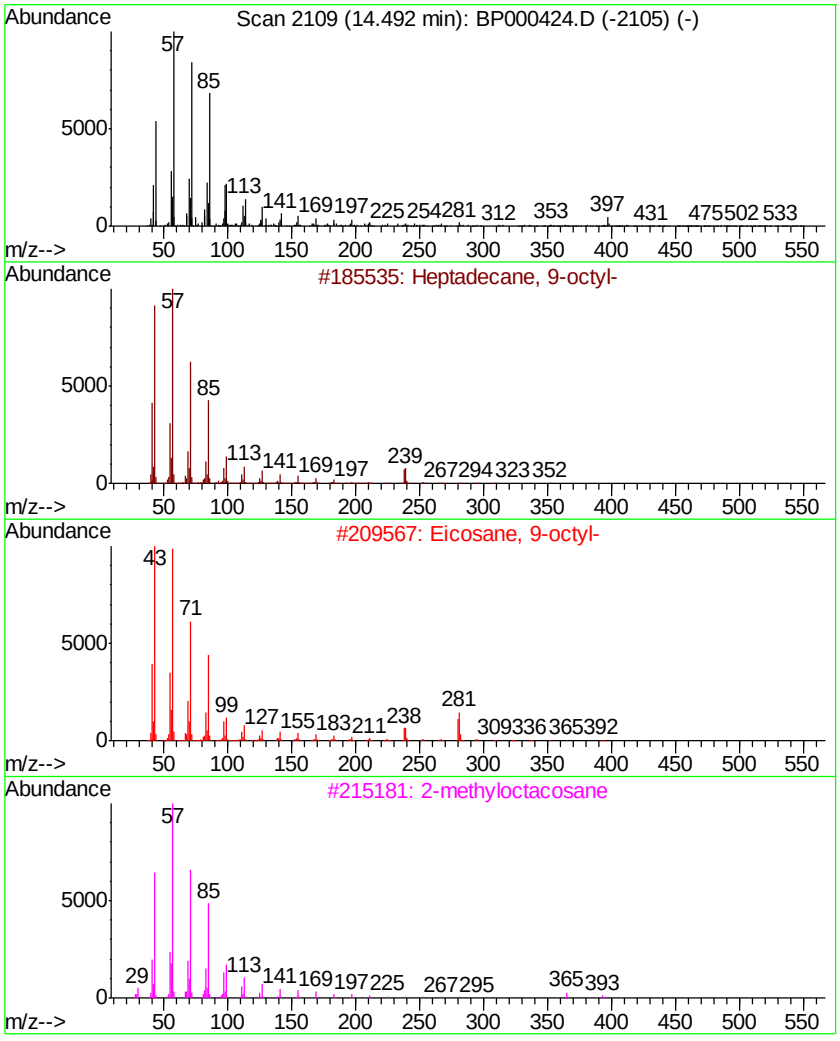
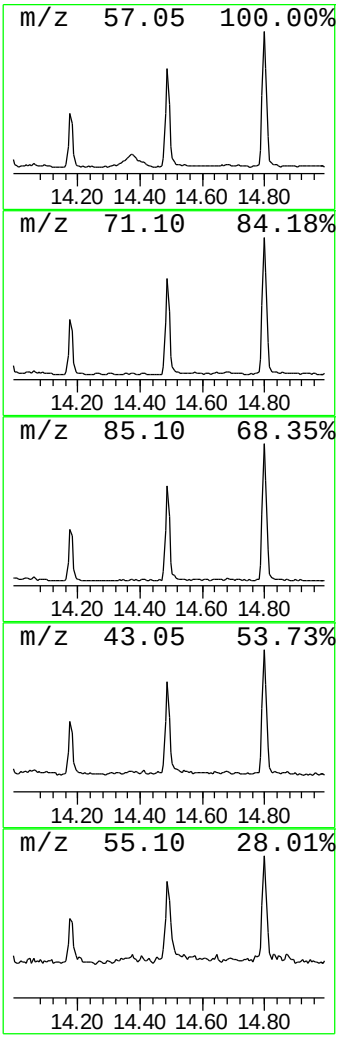
Peak Number 9 Heptadecane, 9-octyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	2.25 ng	288656	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
2	Eicosane, 9-octyl-	394	C28H58	013475-77-9	93
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Tetracosane	338	C24H50	000646-31-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092619\
Data File : BP000424.D
Acq On : 26 Sep 2019 15:57
Operator : JU
Sample : K5019-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : QNWP8-MW30S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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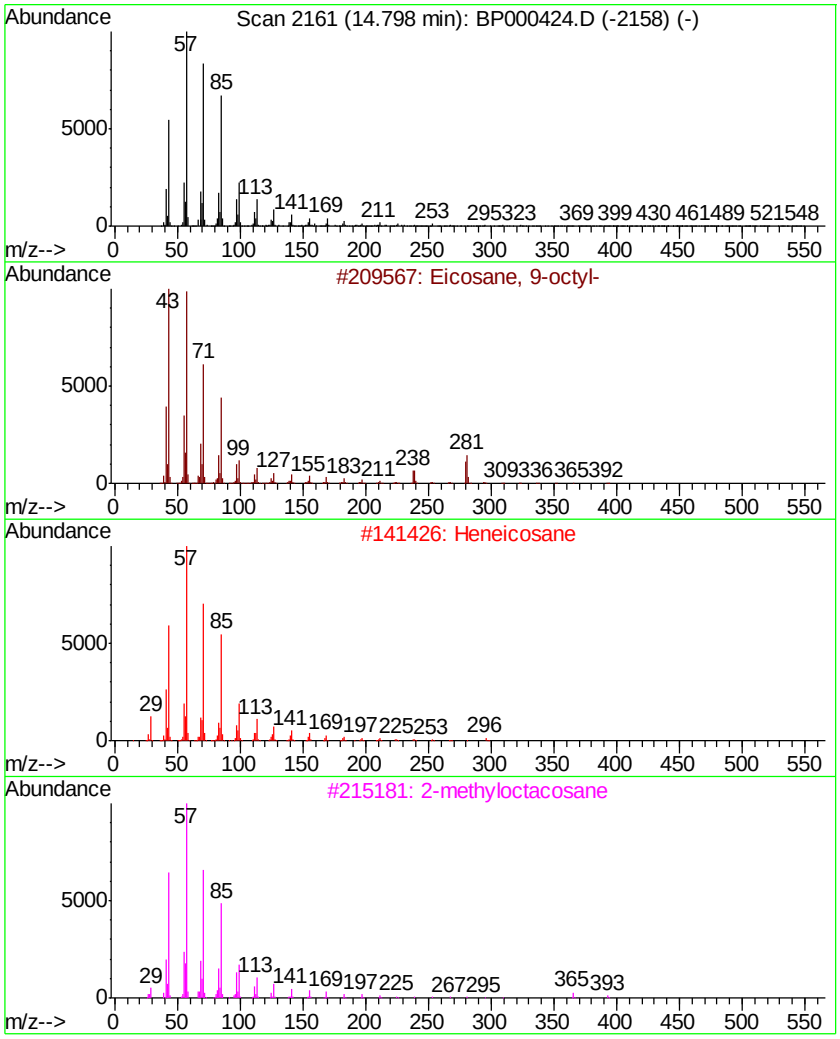
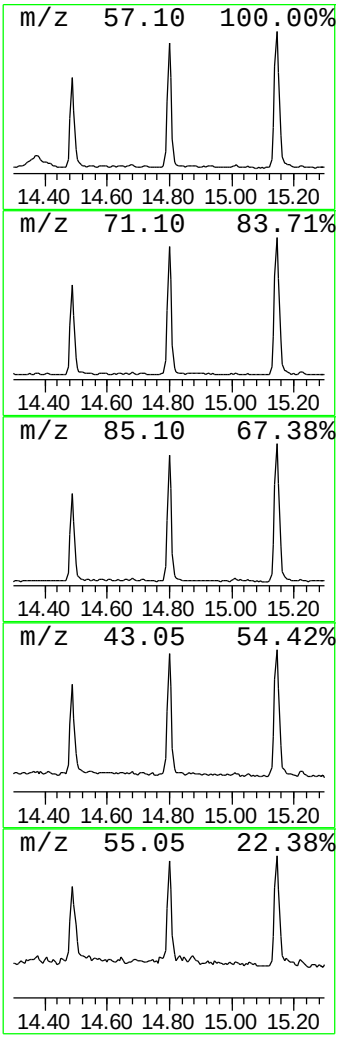
Peak Number 10 Eicosane, 9-octyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	2.67 ng	344624	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 9-octyl-	394	C28H58	013475-77-9	93
2	Heneicosane	296	C21H44	000629-94-7	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092619\
Data File : BP000424.D
Acq On : 26 Sep 2019 15:57
Operator : JU
Sample : K5019-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : QNWP8-MW30S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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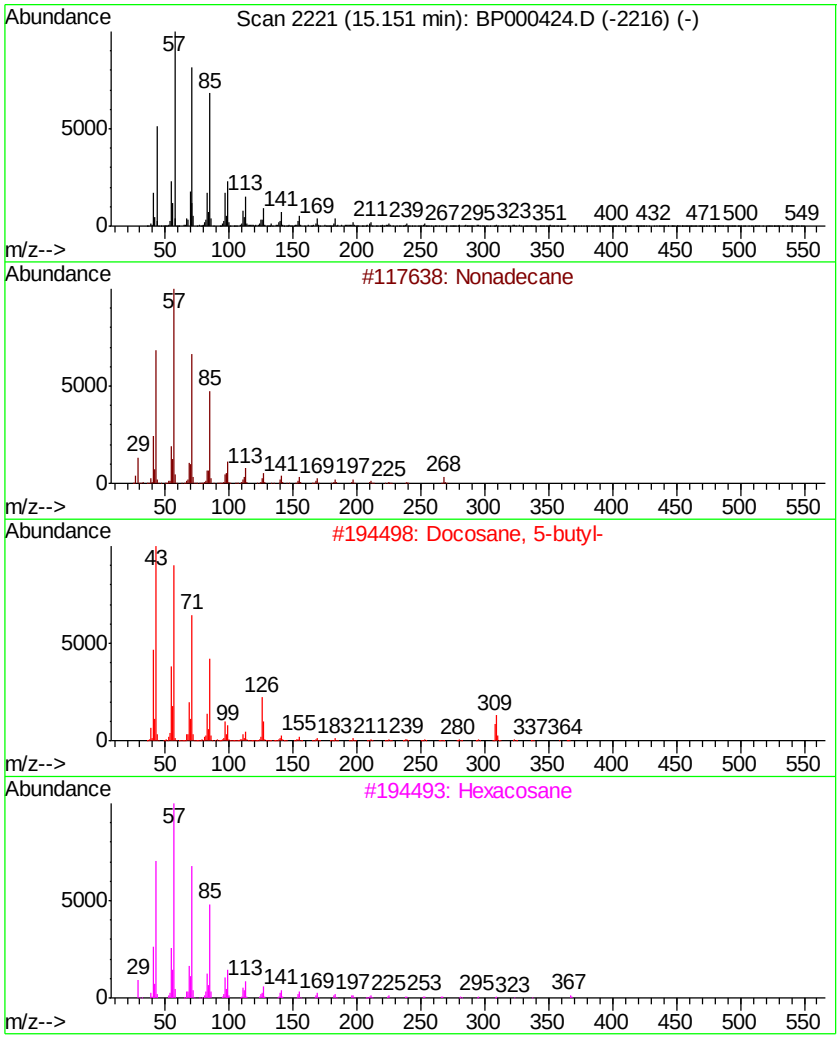
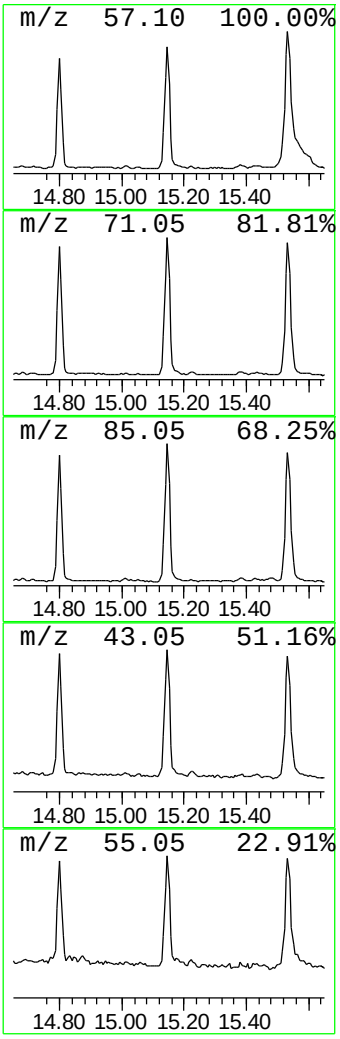
Peak Number 11 Nonadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	3.78 ng	486850	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	94
2	Docosane, 5-butyl-	366	C26H54	055282-16-1	93
3	Hexacosane	366	C26H54	000630-01-3	91
4	Docosane, 9-butyl-	366	C26H54	055282-14-9	91
5	2-methyloctacosane	408	C29H60	1000376-72-8	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092619\
Data File : BP000424.D
Acq On : 26 Sep 2019 15:57
Operator : JU
Sample : K5019-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : QNWP8-MW30S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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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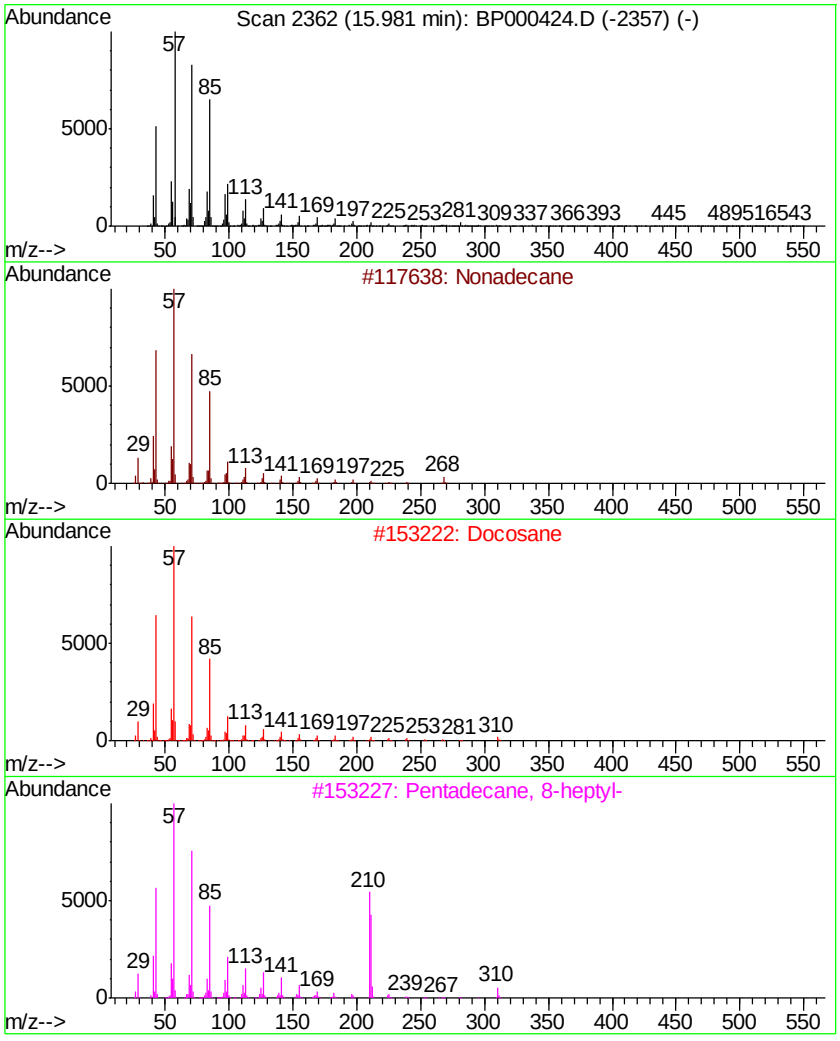
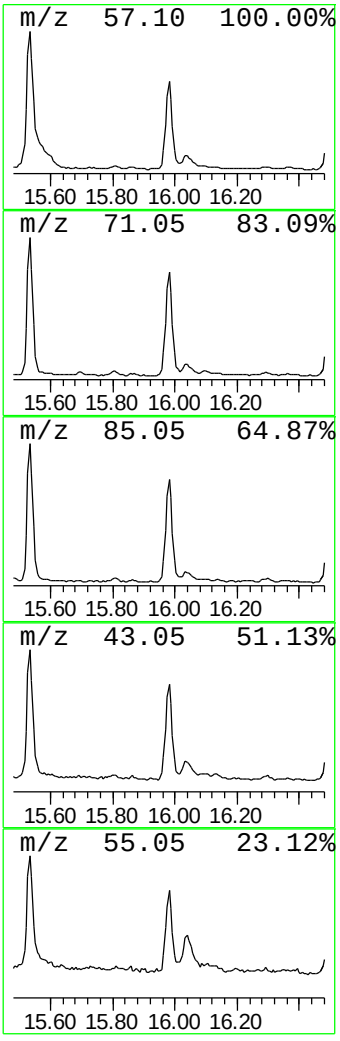
Peak Number 12 Docosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	3.66 ng	471418	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	94
2	Docosane	310	C22H46	000629-97-0	93
3	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	93
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	93
5	2-methyloctacosane	408	C29H60	1000376-72-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP092619\
Data File : BP000424.D
Acq On : 26 Sep 2019 15:57
Operator : JU
Sample : K5019-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : QNWP8-MW30S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.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
unknown5.00	5.00	2.6	ng	191384	1	6.79	1468270	20.0
Octane, 2,6-dimet...	6.05	2.4	ng	174443	1	6.79	1468270	20.0
unknown6.56	6.56	74.5	ng	5467830	1	6.79	1468270	20.0
Benzene, 2-etheny...	7.81	2.2	ng	203011	2	8.07	1864990	20.0
n-Hexadecanoic acid	11.87	5.4	ng	670068	4	11.33	2470000	20.0
Octadecanoic acid	12.66	2.3	ng	292535	5	14.00	2566850	20.0
1-Heptacosanol	13.85	9.0	ng	1159820	5	14.00	2566850	20.0
Heptadecane, 9-oc...	14.49	2.3	ng	288656	5	14.00	2566850	20.0
Eicosane, 9-octyl-	14.80	2.7	ng	344624	6	15.49	2577600	20.0
Nonadecane	15.15	3.8	ng	486850	6	15.49	2577600	20.0
Docosane	15.98	3.7	ng	471418	6	15.49	2577600	20.0