LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021419\
Data File : BF112563.D
Acq On : 14 Feb 2019 13:10
Operator : JU/SJ
Sample : K1458-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2

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-BF012519.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	5.051	500	504	514	rBV	51361	77906	2.95%	0.255%
2	5.463	571	574	595	rBV	1518955	1915890	72.52%	6.273%
3	6.481	743	747	760	rBV	2011367	2136794	80.88%	6.997%
4	6.604	764	768	776	rVV	2408334	2231045	84.45%	7.305%
5	6.828	803	806	814	rBV	820602	693122	26.24%	2.269%
6	6.987	829	833	842	rBV	1913204	1692536	64.06%	5.542%
7	7.392	898	902	913	rBV	1354819	1326546	50.21%	4.344%
8	8.110	1021	1024	1031	rVB	963639	852862	32.28%	2.793%
9	8.398	1065	1073	1078	rBV	25872	49437	1.87%	0.162%
10	8.528	1092	1095	1097	rBV	40762	38970	1.48%	0.128%
11	8.928	1161	1163	1169	rVB3	29851	32913	1.25%	0.108%
12	9.016	1169	1178	1181	rBV9	17878	45998	1.74%	0.151%
13	9.128	1194	1197	1202	rVB2	69493	71358	2.70%	0.234%
14	9.186	1202	1207	1210	rBV	2895252	2641960	100.00%	8.651%
15	9.263	1216	1220	1223	rBV2	63655	75882	2.87%	0.248%
16	9.457	1250	1253	1257	rBV5	29260	34612	1.31%	0.113%
17	9.528	1262	1265	1268	rVV4	27467	38063	1.44%	0.125%
18	9.580	1269	1274	1277	rVB	243588	265546	10.05%	0.869%
19	9.727	1296	1299	1302	rBV3	50522	58737	2.22%	0.192%
20	9.769	1304	1306	1308	rBV	50923	45770	1.73%	0.150%
21	9.869	1315	1323	1326	rBV	1110633	1086233	41.11%	3.557%
22	9.898	1326	1328	1332	rVB3	30209	32075	1.21%	0.105%
23	9.969	1337	1340	1344	rVB4	27501	33078	1.25%	0.108%
24	10.075	1355	1358	1362	rVB3	61097	64038	2.42%	0.210%
25	10.110	1362	1364	1369	rVB2	37644	40812	1.54%	0.134%
26	10.180	1374	1376	1380	rBV3	31172	40367	1.53%	0.132%
27	10.275	1388	1392	1393	rBV4	48235	60155	2.28%	0.197%
28	10.510	1429	1432	1439	rVB2	60272	83227	3.15%	0.273%
29	10.663	1454	1458	1469	rBV	1828961	1715142	64.92%	5.616%
30	10.775	1473	1477	1480	rVB2	135829	140969	5.34%	0.462%
31	11.239	1553	1556	1562	rVB2	89439	98301	3.72%	0.322%
32	11.357	1572	1576	1587	rBV	1152085	1087176	41.15%	3.560%
33	11.586	1613	1615	1619	rBV5	27678	38521	1.46%	0.126%
34	11.886	1659	1666	1674	rBV	996784	1264527	47.86%	4.140%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K1458-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2

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-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.580	1779	1784	1786	rBV2	104316	151827	5.75%	0.497%
36	12.668	1793	1799	1809	rBV	1275896	1560989	59.08%	5.111%
37	12.810	1819	1823	1829	rBV3	40853	79759	3.02%	0.261%
38	12.939	1840	1845	1848	rBV	2289619	2069433	78.33%	6.776%
39	13.498	1936	1940	1943	rVB3	41138	52975	2.01%	0.173%
40	13.604	1956	1958	1963	rVB2	34386	44687	1.69%	0.146%
41	13.821	1992	1995	2003	rBV	243754	314838	11.92%	1.031%
42	14.004	2022	2026	2030	rBV	859727	826366	31.28%	2.706%
43	14.139	2045	2049	2052	rBV	143688	158935	6.02%	0.520%
44	14.445	2097	2101	2108	rBV2	313084	426612	16.15%	1.397%
45	14.745	2148	2152	2156	rBV	439411	506687	19.18%	1.659%
46	14.892	2174	2177	2180	rVB3	56317	59475	2.25%	0.195%
47	15.080	2204	2209	2213	rBV	725621	839732	31.78%	2.750%
48	15.457	2268	2273	2275	rBV	615537	913926	34.59%	2.992%
49	15.480	2275	2277	2286	rVB2	597225	678600	25.69%	2.222%
50	15.880	2340	2345	2351	rVB	581026	900050	34.07%	2.947%
51	16.380	2424	2430	2438	rVB	323794	570759	21.60%	1.869%
52	16.962	2524	2529	2536	rVB	136050	274555	10.39%	0.899%

Sum of corrected areas: 30540773

LSC Report - Integrated Chromatogram

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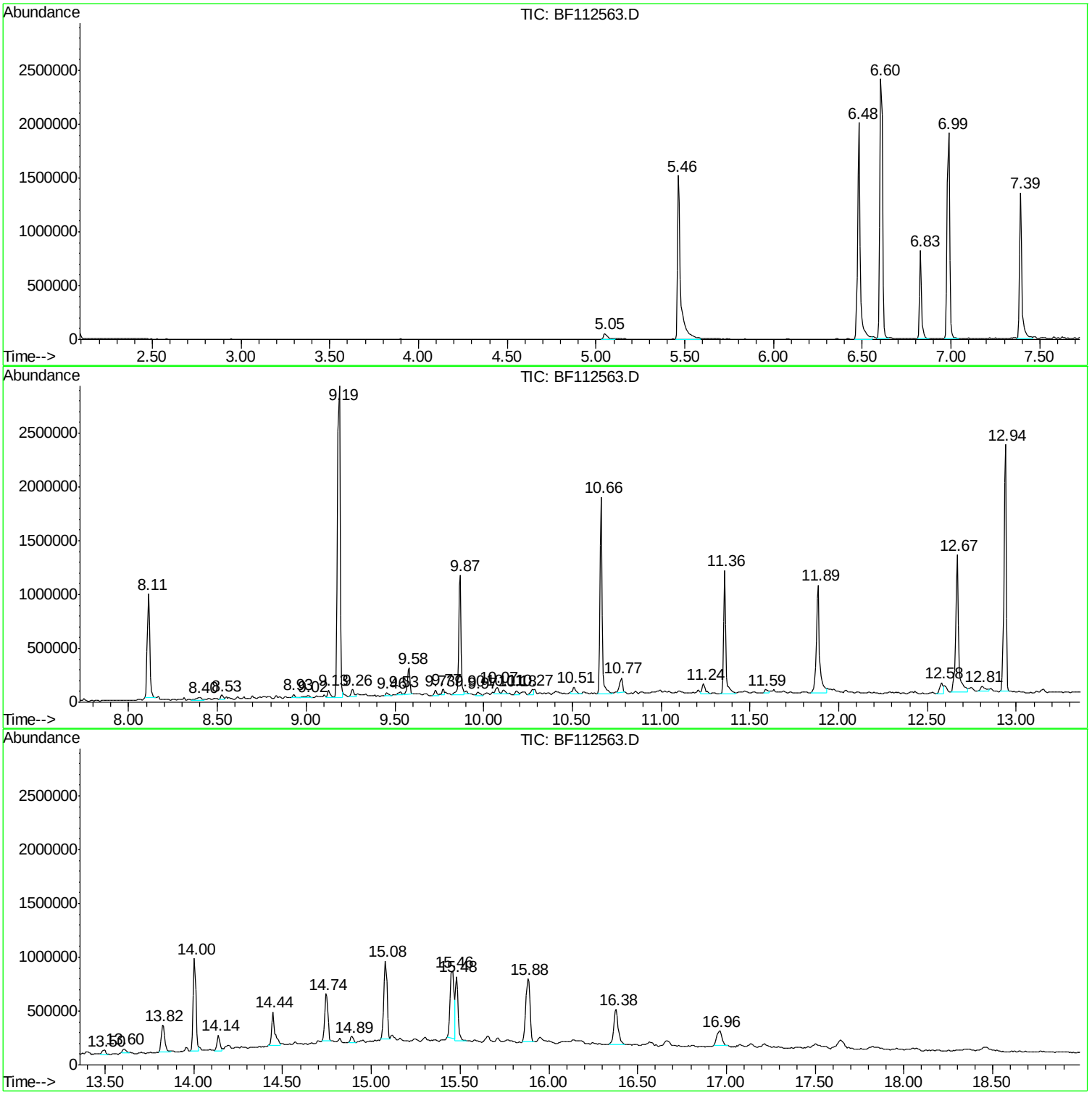
Sample : K1458-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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 F\DATA\BF021419\
Data File : BF112563.D
Acq On : 14 Feb 2019 13:10
Operator : JU/SJ
Sample : K1458-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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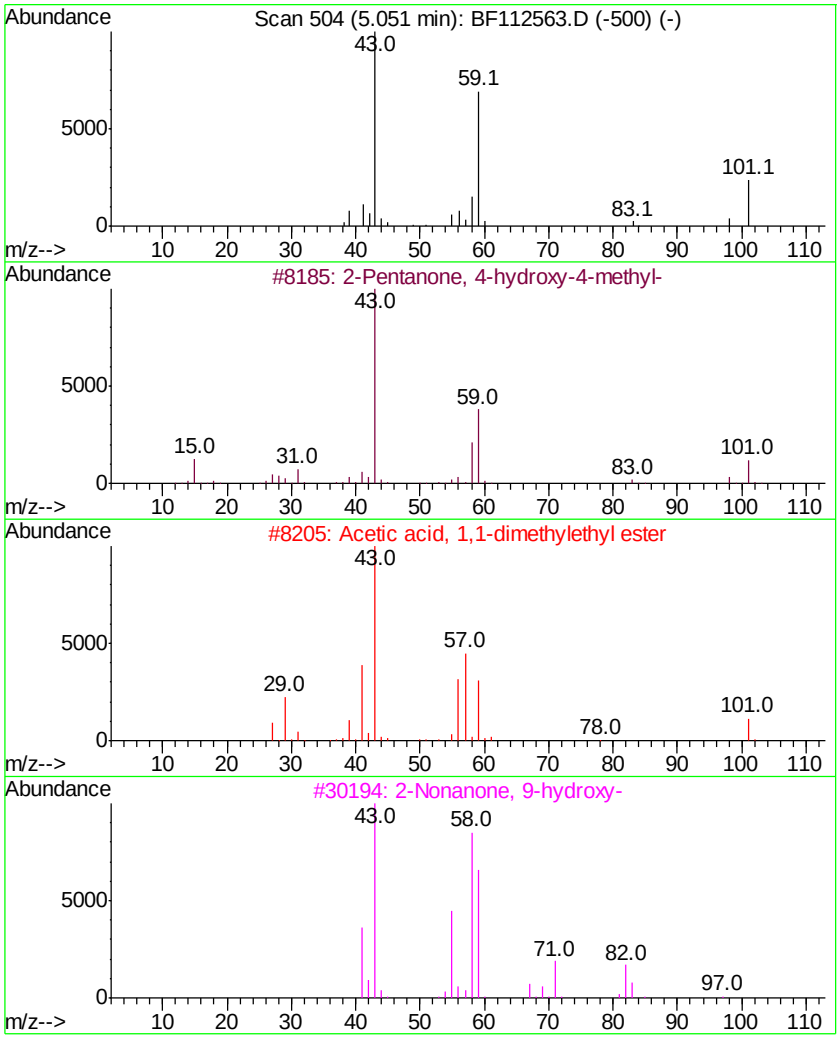
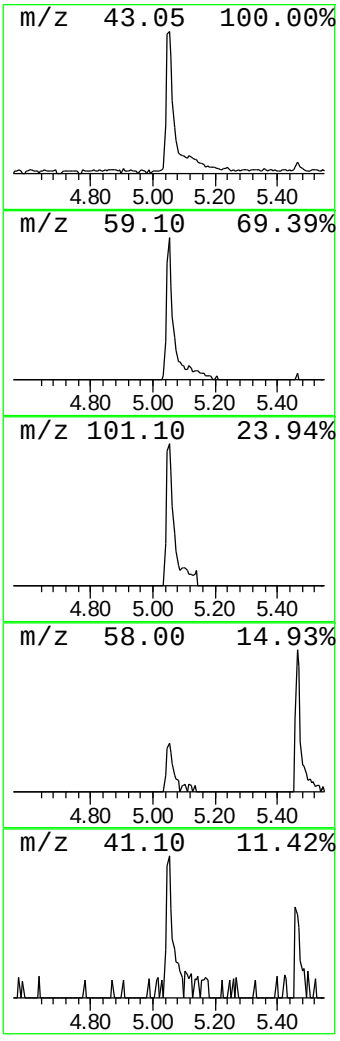
Peak Number 1 unknown5.05 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	2.25 ng	77906	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	33
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	33
3	2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	12





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Operator : JU/SJ
Sample : K1458-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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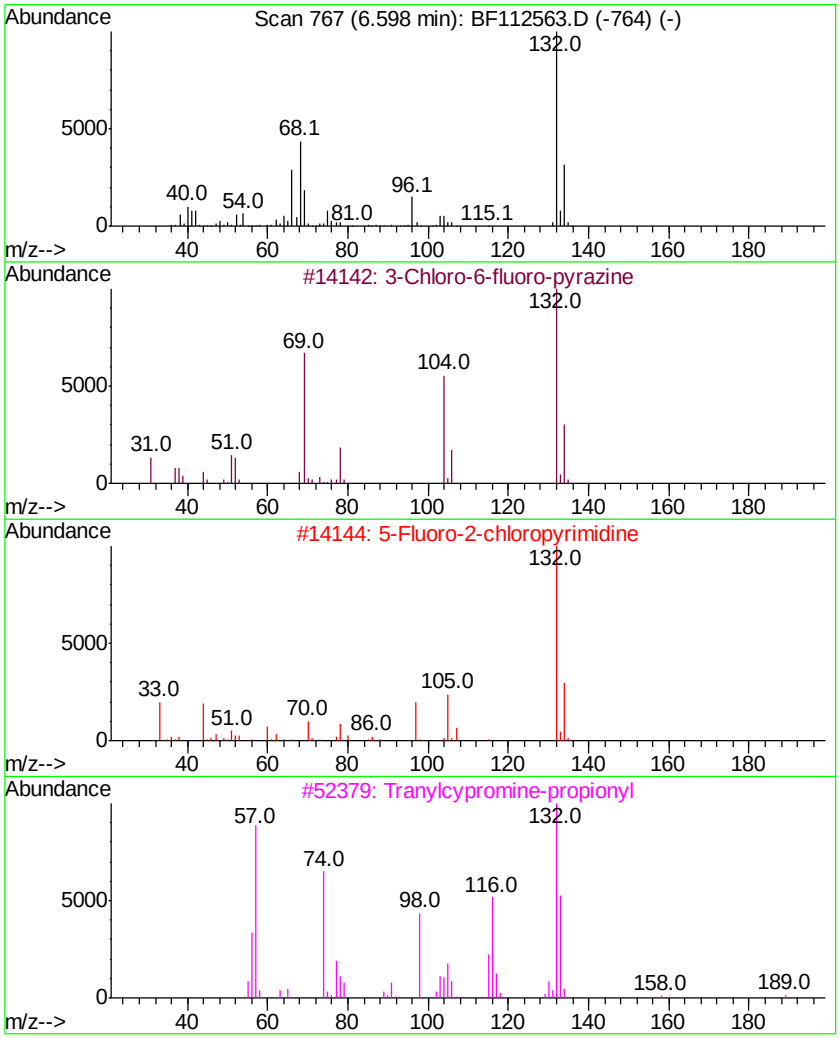
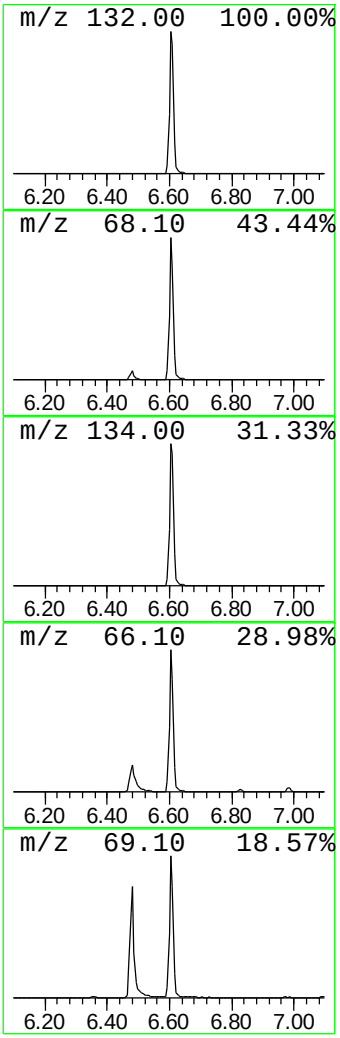
Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	64.38 ng	2231050	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021419\
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Sample : K1458-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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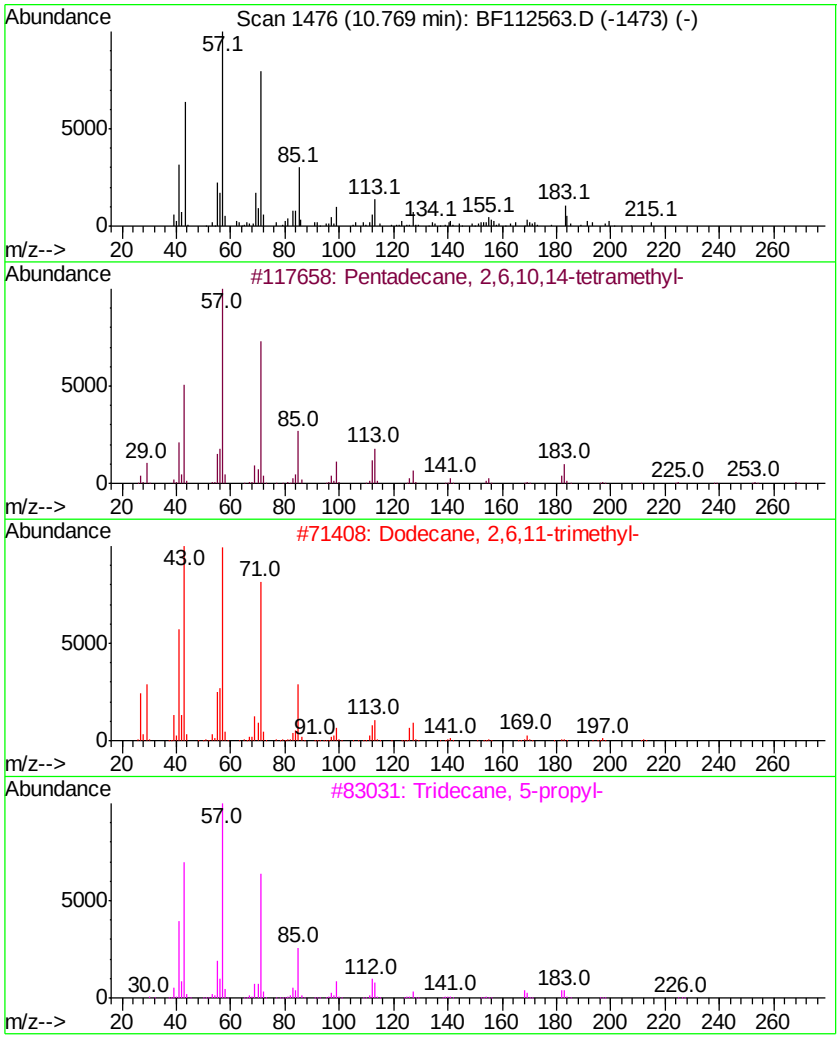
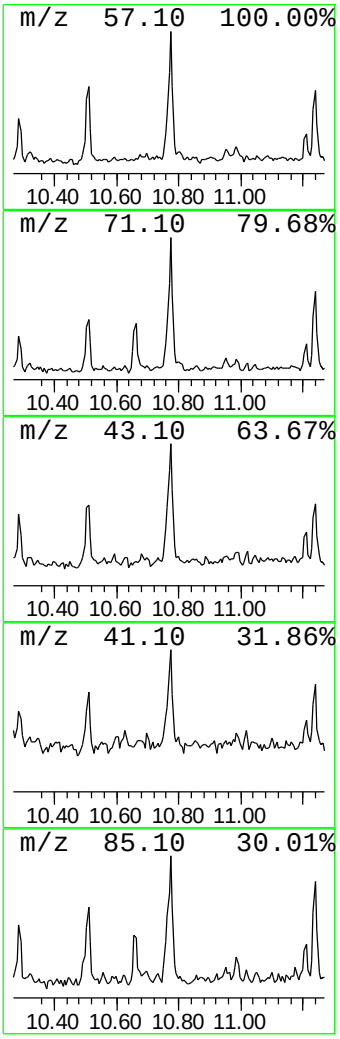
Peak Number 4 Pentadecane, 2,6,10,14-tetr... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	2.59 ng	140969	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	80
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
5	Heptacosane	380	C27H56	000593-49-7	64





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Operator : JU/SJ
Sample : K1458-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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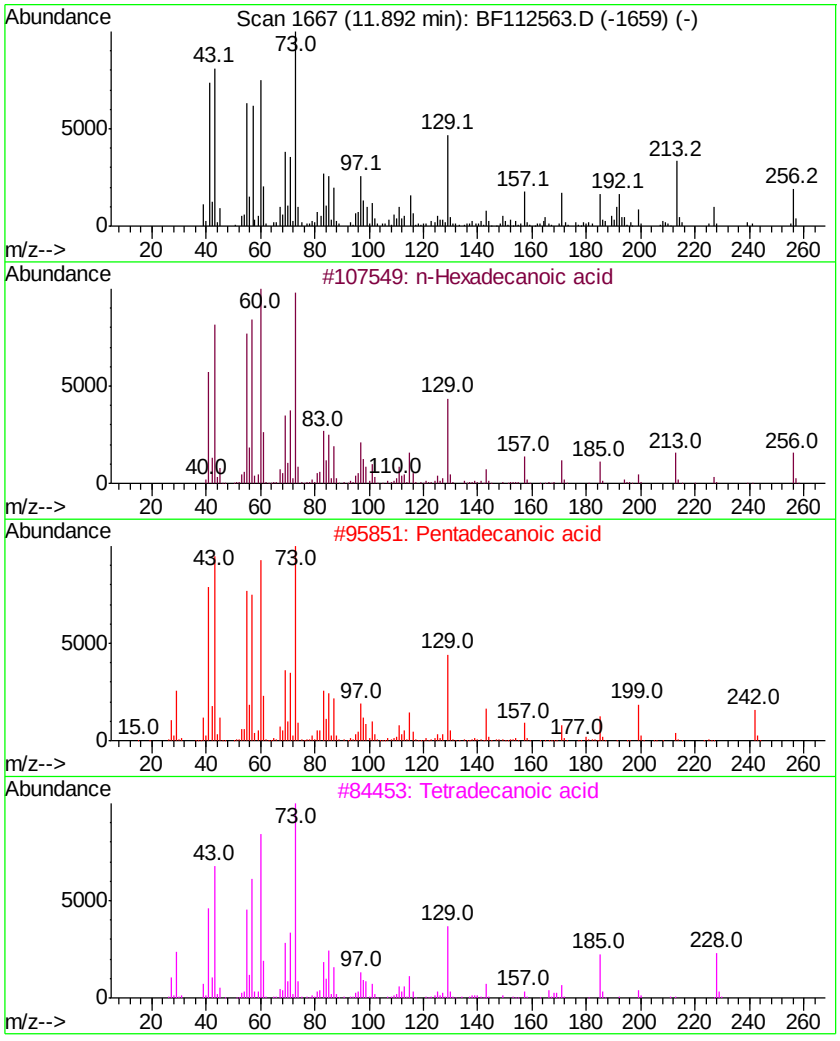
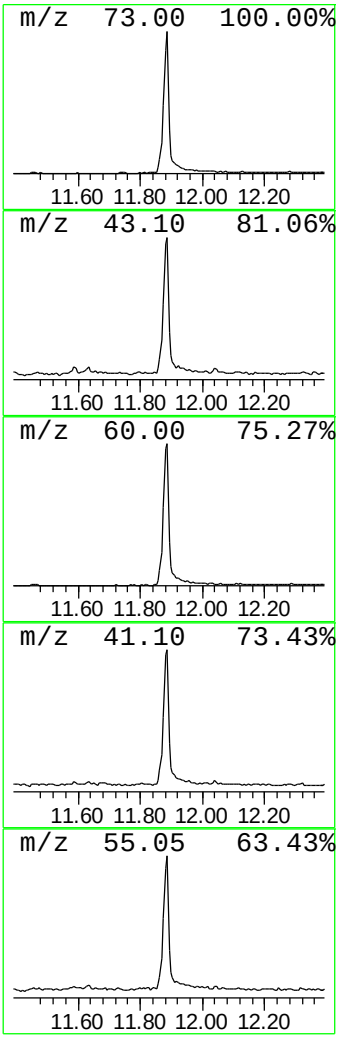
Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	23.26 ng	1264530	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	76
5	Undecanoic acid	186	C11H22O2	000112-37-8	64





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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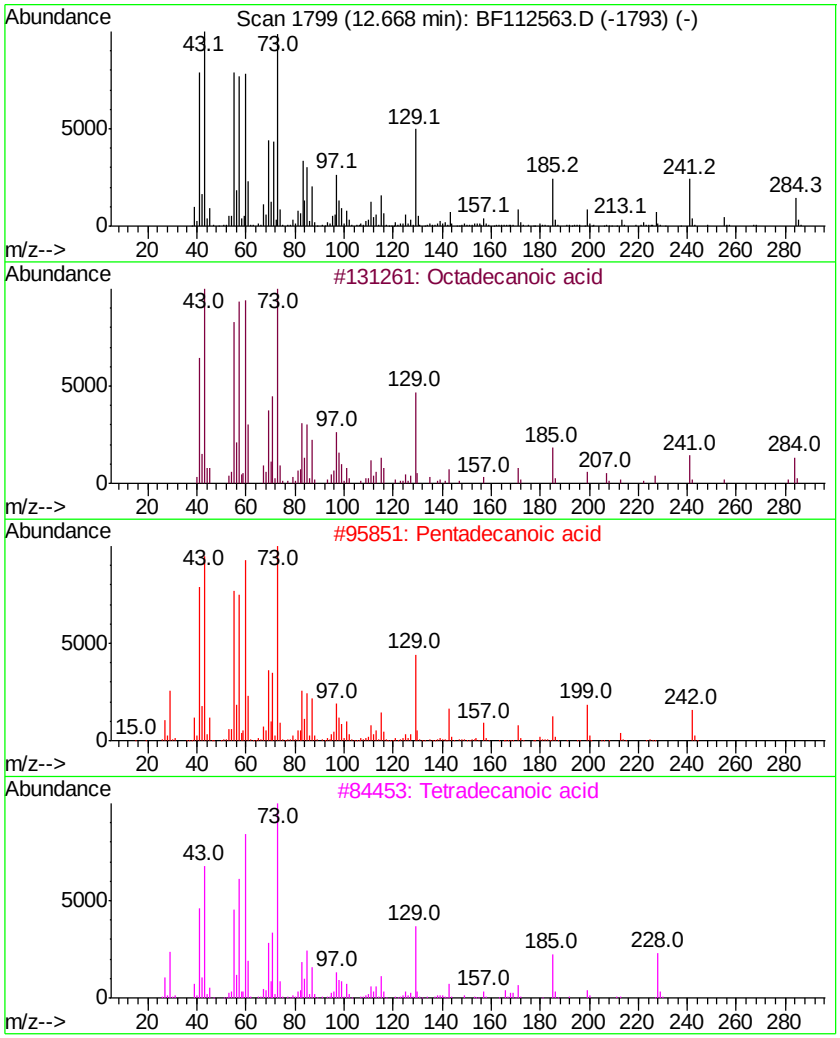
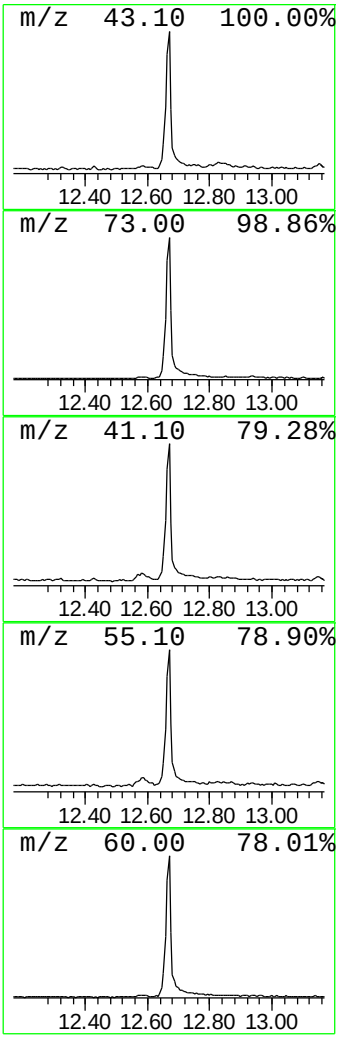
Peak Number 7 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	28.72 ng	1560990	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	n-Decanoic acid	172	C10H20O2	000334-48-5	70
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	25





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Instrument : BNA_F
ClientSampleId : SB-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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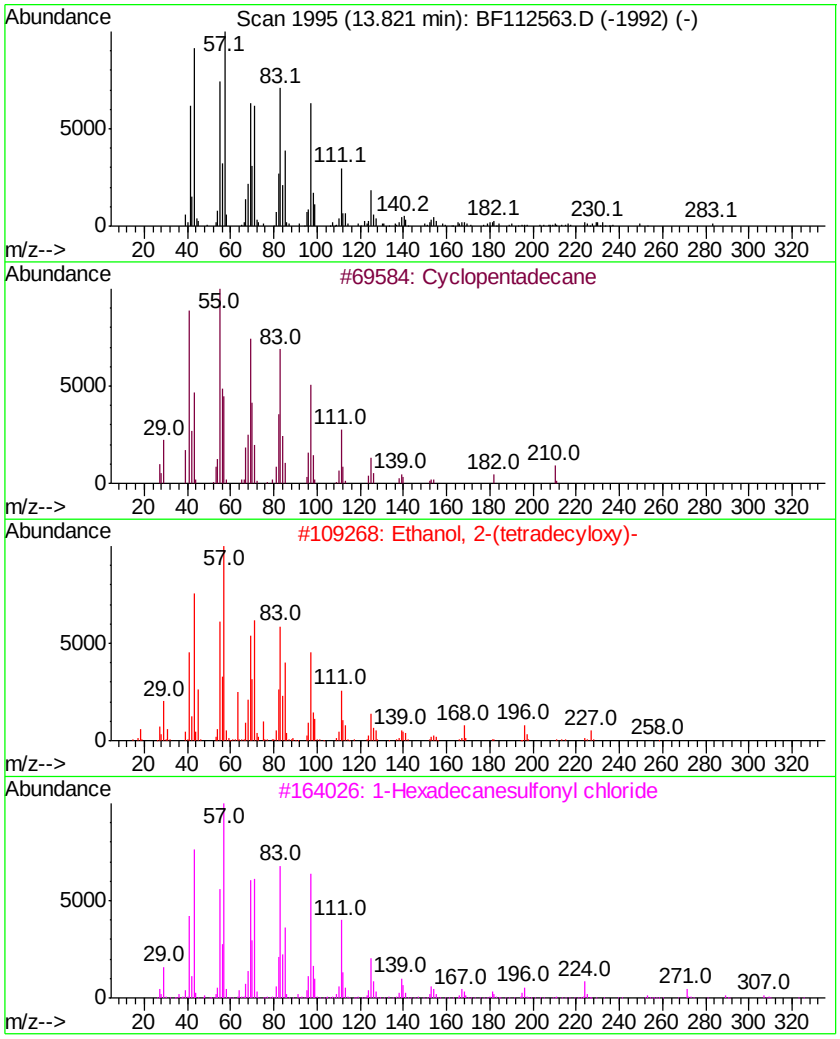
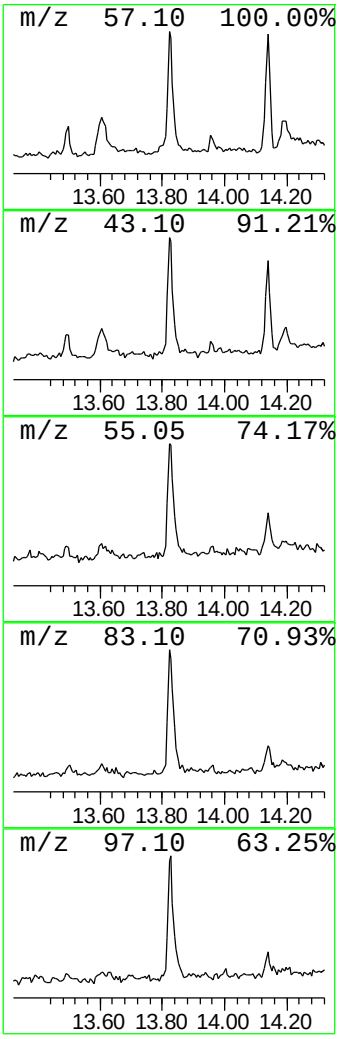
Peak Number 8 Cyclopentadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	7.62 ng	314838	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	92
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
3	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	91
4	Octacosyl heptafluorobutyrate	606	C32H57F7O2	1000351-83-6	90
5	17-Pentatriacontene	491	C35H70	006971-40-0	90





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Instrument : BNA_F
ClientSampleId : SB-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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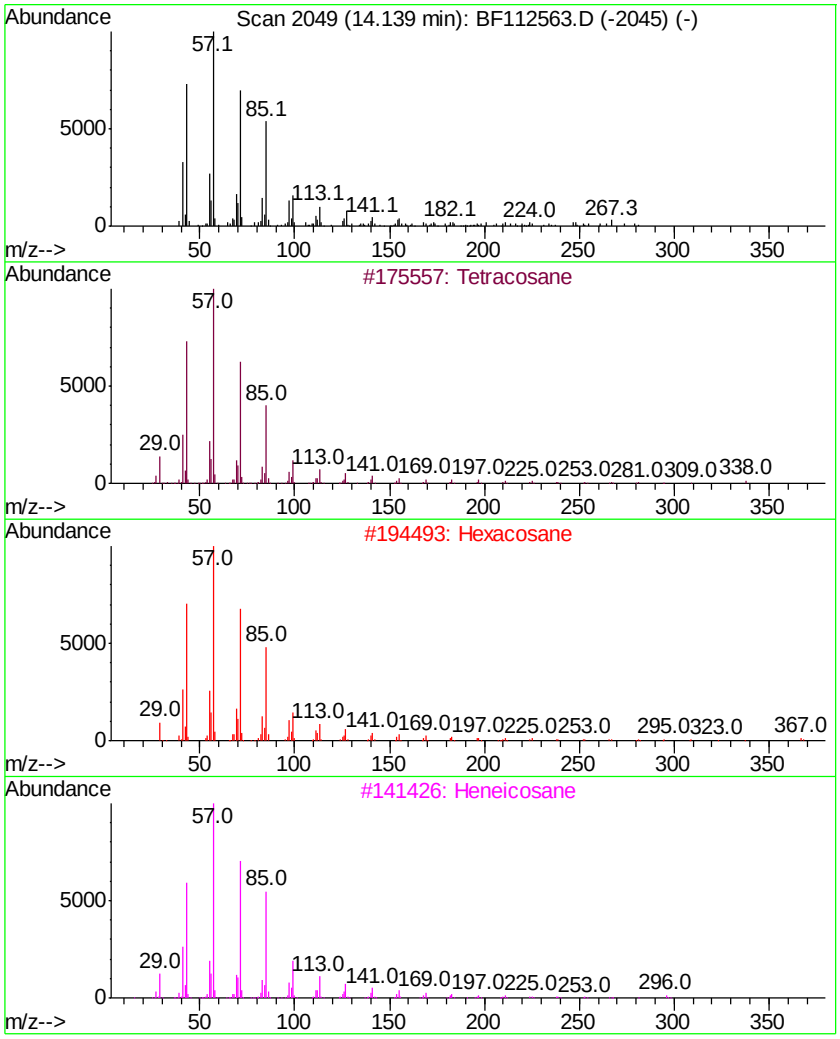
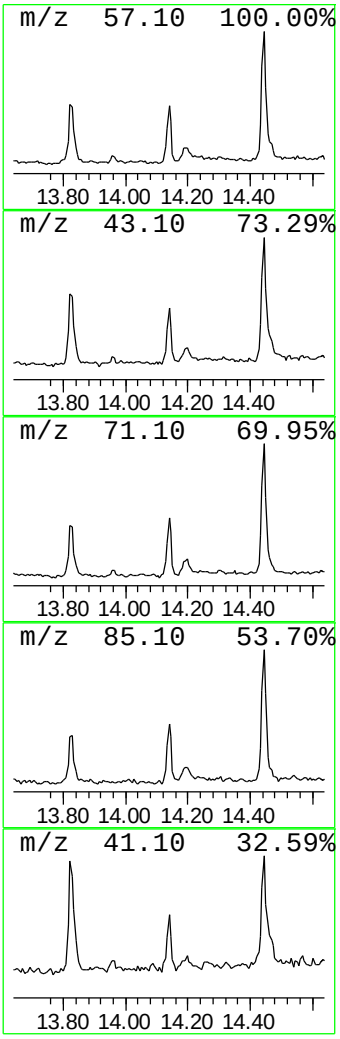
Peak Number 9 Tetracosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	3.85 ng	158935	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	90
2	Hexacosane	366	C26H54	000630-01-3	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Octacosane	394	C28H58	000630-02-4	87
5	Heptadecane	240	C17H36	000629-78-7	87





Library Search Compound Report

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Data File : BF112563.D
Acq On : 14 Feb 2019 13:10
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Sample : K1458-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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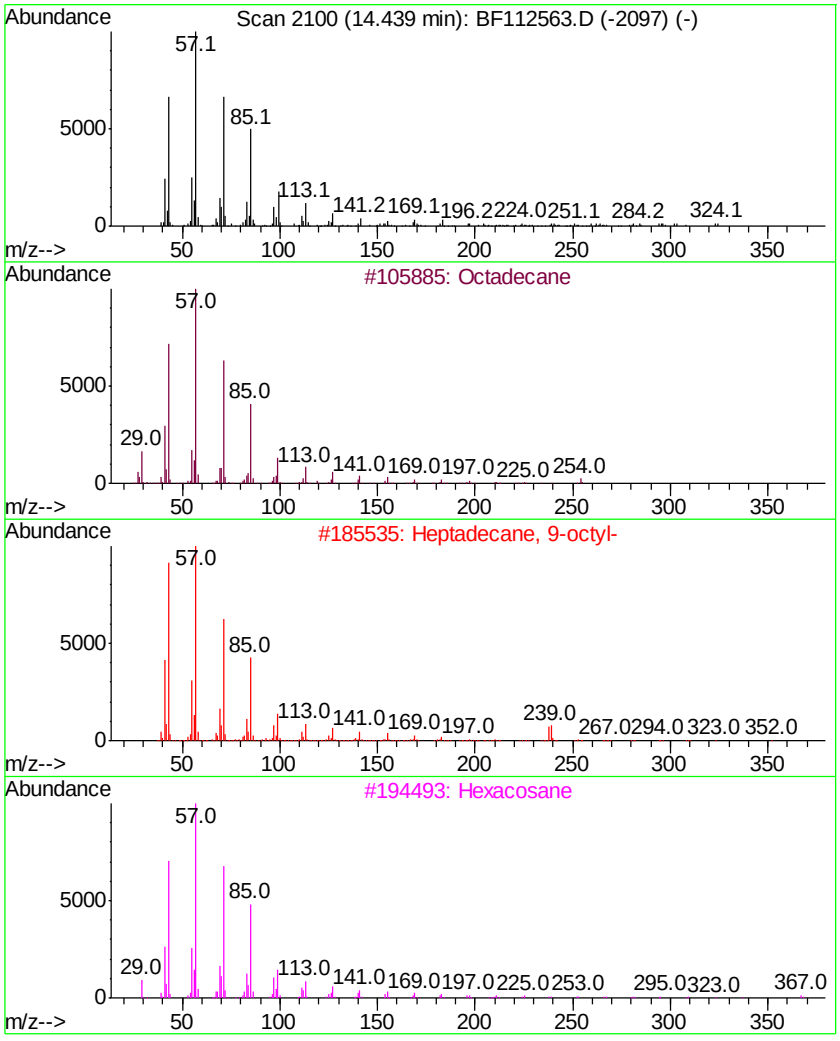
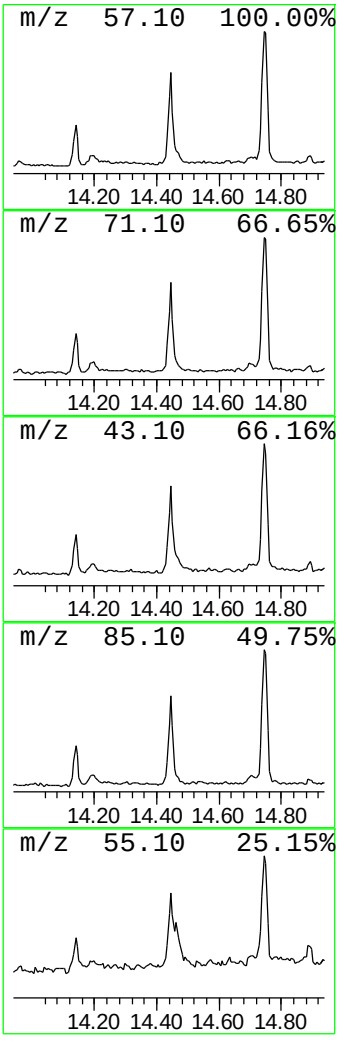
Peak Number 10 Octadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	10.33 ng	426612	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	93
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3	Hexacosane	366	C26H54	000630-01-3	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Octacosane	394	C28H58	000630-02-4	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021419\
Data File : BF112563.D
Acq On : 14 Feb 2019 13:10
Operator : JU/SJ
Sample : K1458-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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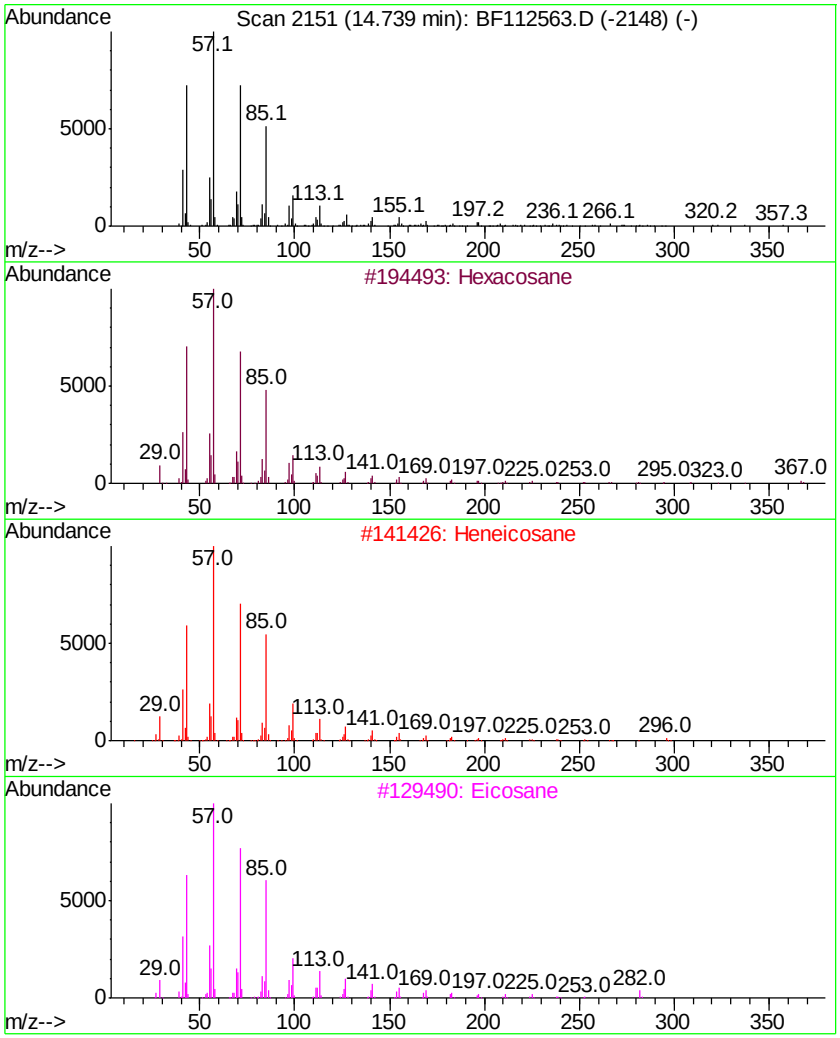
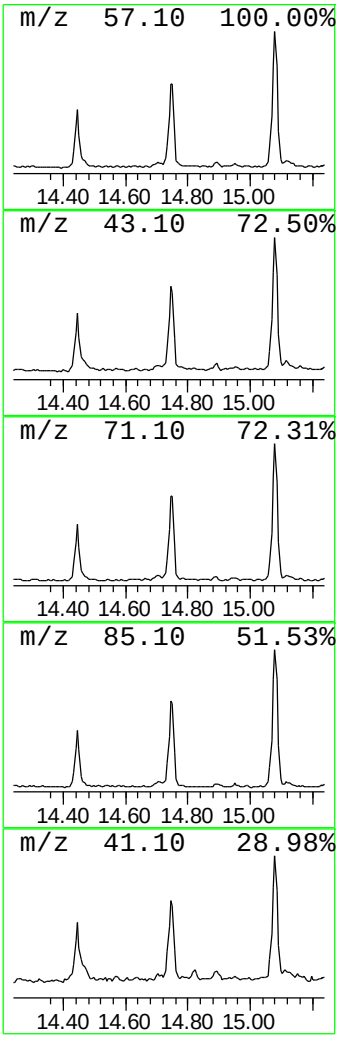
Peak Number 11 Hexacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	14.93 ng	506687	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	94
2	Heneicosane	296	C21H44	000629-94-7	91
3	Eicosane	282	C20H42	000112-95-8	91
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	91
5	Docosane, 7-hexyl-	394	C28H58	055373-86-9	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021419\
Data File : BF112563.D
Acq On : 14 Feb 2019 13:10
Operator : JU/SJ
Sample : K1458-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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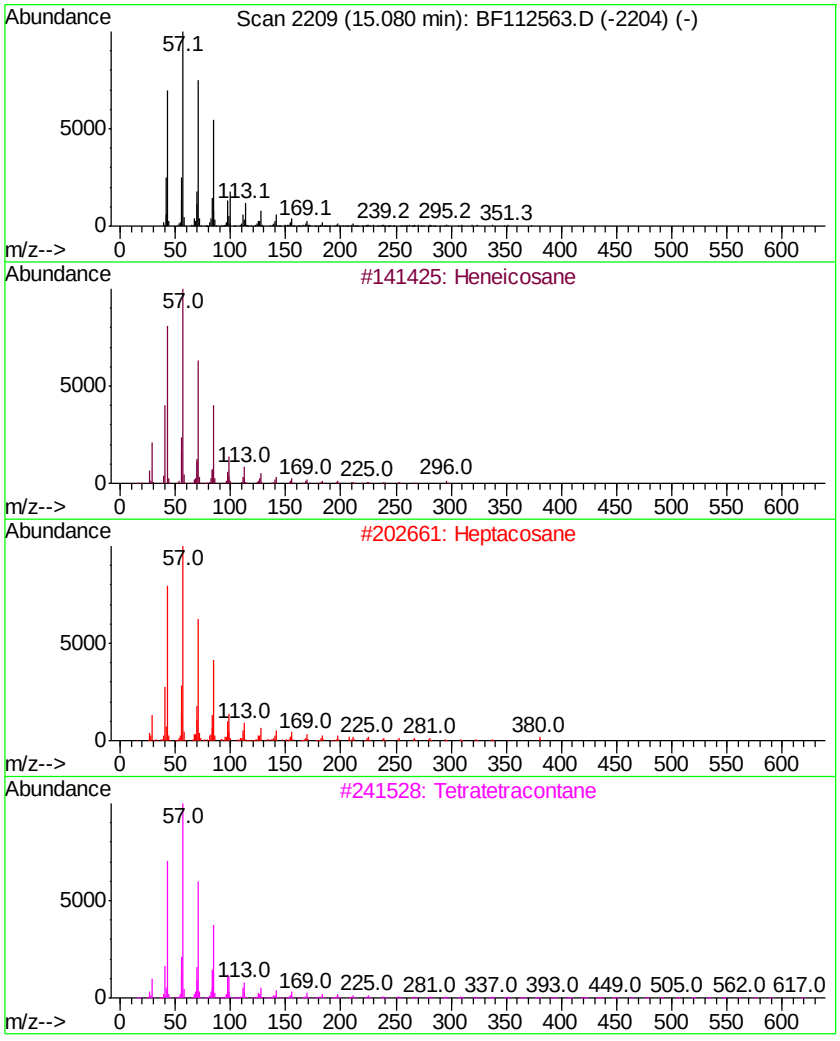
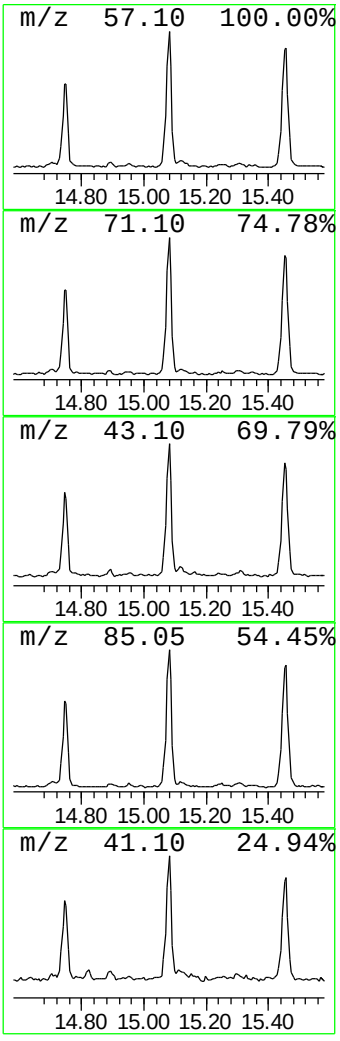
Peak Number 12 Heneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	24.75 ng	839732	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Heptacosane	380	C27H56	000593-49-7	91
3	Tetratetracontane	619	C44H90	007098-22-8	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	2-methyloctacosane	408	C29H60	1000376-72-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021419\
Data File : BF112563.D
Acq On : 14 Feb 2019 13:10
Operator : JU/SJ
Sample : K1458-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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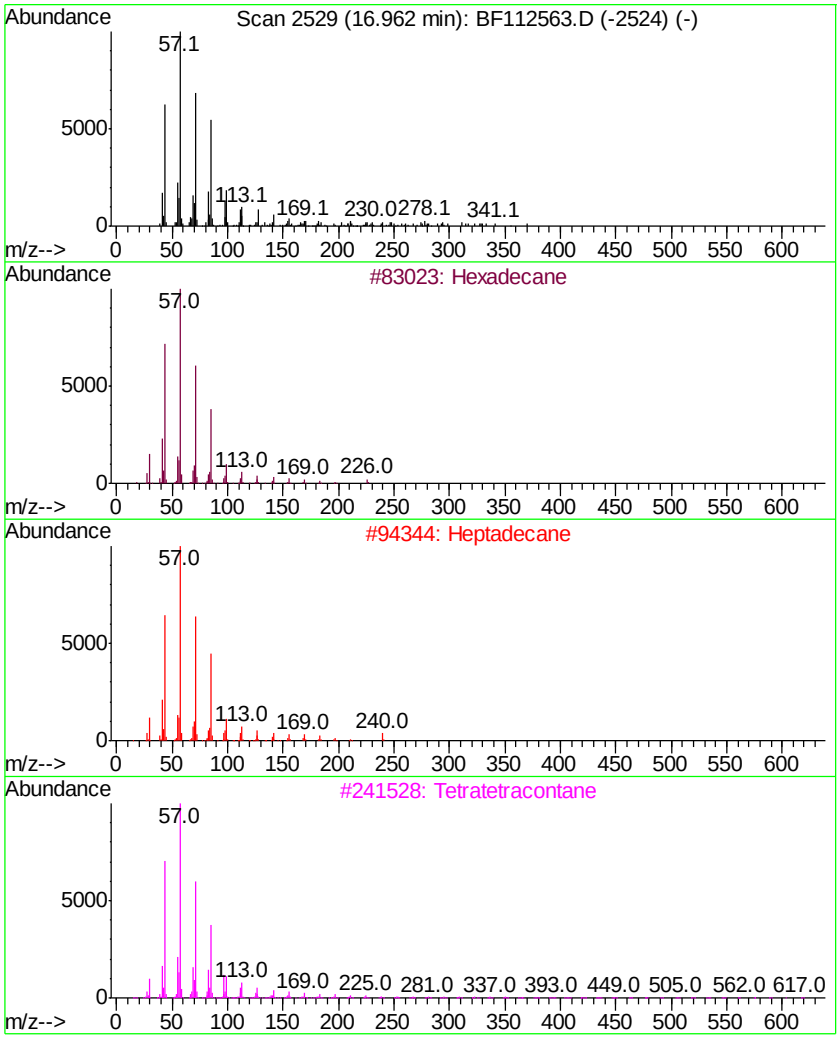
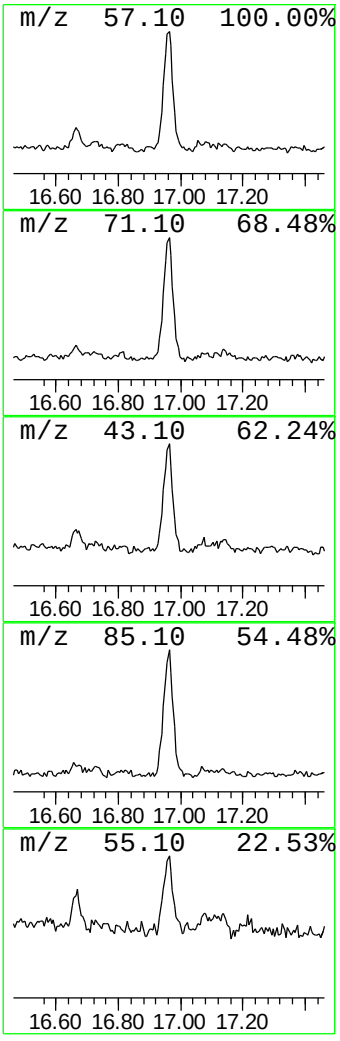
Peak Number 15 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	8.09 ng	274555	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Heptadecane	240	C17H36	000629-78-7	93
3	Tetratetracontane	619	C44H90	007098-22-8	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021419\
Data File : BF112563.D
Acq On : 14 Feb 2019 13:10
Operator : JU/SJ
Sample : K1458-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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
unknown5.05	5.05	2.3	ng	77906	1	6.83	693122	20.0
unknown6.60	6.60	64.4	ng	2231050	1	6.83	693122	20.0
Pentadecane, 2,6,...	10.77	2.6	ng	140969	4	11.36	1087180	20.0
n-Hexadecanoic acid	11.89	23.3	ng	1264530	4	11.36	1087180	20.0
Octadecanoic acid	12.67	28.7	ng	1560990	4	11.36	1087180	20.0
Cyclopentadecane	13.82	7.6	ng	314838	5	14.00	826366	20.0
Tetracosane	14.14	3.9	ng	158935	5	14.00	826366	20.0
Octadecane	14.44	10.3	ng	426612	5	14.00	826366	20.0
Hexacosane	14.74	14.9	ng	506687	6	15.48	678600	20.0
Heneicosane	15.08	24.8	ng	839732	6	15.48	678600	20.0
Hexadecane	16.96	8.1	ng	274555	6	15.48	678600	20.0