LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116855.D
Acq On : 6 Sep 2019 10:58
Operator : HP/JU
Sample : K4650-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-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-BF083019.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	2.134	3	8	13	rVB	487919	646730	28.20%	2.923%
2	5.475	571	576	579	rBV	2142044	2028678	88.45%	9.168%
3	6.487	742	748	760	rBV	2091849	2293522	100.00%	10.365%
4	6.622	766	771	774	rBV	2517817	2275563	99.22%	10.284%
5	6.845	806	809	813	rBV	568983	454659	19.82%	2.055%
6	7.004	832	836	839	rBV	2016740	1671245	72.87%	7.553%
7	7.404	899	904	907	rBV	1331479	1401014	61.09%	6.332%
8	8.128	1023	1027	1034	rBV	704395	592982	25.85%	2.680%
9	9.204	1205	1210	1213	rBV	2463981	2255038	98.32%	10.191%
10	9.592	1272	1276	1279	rBV	282892	251352	10.96%	1.136%
11	9.880	1321	1325	1329	rBV	815085	686398	29.93%	3.102%
12	10.669	1454	1459	1470	rBV	1515497	1359979	59.30%	6.146%
13	11.363	1573	1577	1580	rBV	814081	696350	30.36%	3.147%
14	11.386	1580	1581	1585	rVB	85355	47701	2.08%	0.216%
15	11.886	1659	1666	1674	rBV2	254195	326479	14.23%	1.475%
16	12.574	1779	1783	1788	rBV	174294	155947	6.80%	0.705%
17	12.674	1795	1800	1807	rBV	367022	411697	17.95%	1.861%
18	12.804	1817	1822	1824	rBV	129112	125818	5.49%	0.569%
19	12.945	1842	1846	1849	rBV	2241268	2056352	89.66%	9.293%
20	13.027	1855	1860	1864	rBV8	13064	26921	1.17%	0.122%
21	13.174	1880	1885	1887	rBV2	24752	27735	1.21%	0.125%
22	13.515	1940	1943	1946	rVB	33058	26920	1.17%	0.122%
23	13.639	1960	1964	1967	rBV	17453	28497	1.24%	0.129%
24	13.845	1995	1999	2005	rBV	134253	170499	7.43%	0.771%
25	13.998	2020	2025	2028	rBV	631998	615473	26.84%	2.781%
26	14.021	2028	2029	2031	rVB	65980	35596	1.55%	0.161%
27	14.157	2049	2052	2056	rBV	66360	65957	2.88%	0.298%
28	14.462	2101	2104	2110	rVB	88127	100835	4.40%	0.456%
29	14.768	2153	2156	2160	rVB	112684	104469	4.55%	0.472%
30	14.845	2165	2169	2172	rBV	39305	50678	2.21%	0.229%
31	15.033	2198	2201	2204	rBV	38520	41324	1.80%	0.187%
32	15.104	2209	2213	2217	rBV	120021	132967	5.80%	0.601%
33	15.333	2249	2252	2258	rVB	41382	50702	2.21%	0.229%
34	15.398	2259	2263	2268	rVB	41536	54631	2.38%	0.247%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4650-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.462	2268	2274	2287	rBV	378225	617023	26.90%	2.788%
36	15.909	2346	2350	2356	rVB2	78810	114905	5.01%	0.519%
37	16.409	2430	2435	2441	rBV4	41097	73113	3.19%	0.330%
38	16.904	2517	2519	2529	rVB3	25796	51773	2.26%	0.234%

Sum of corrected areas: 22127522

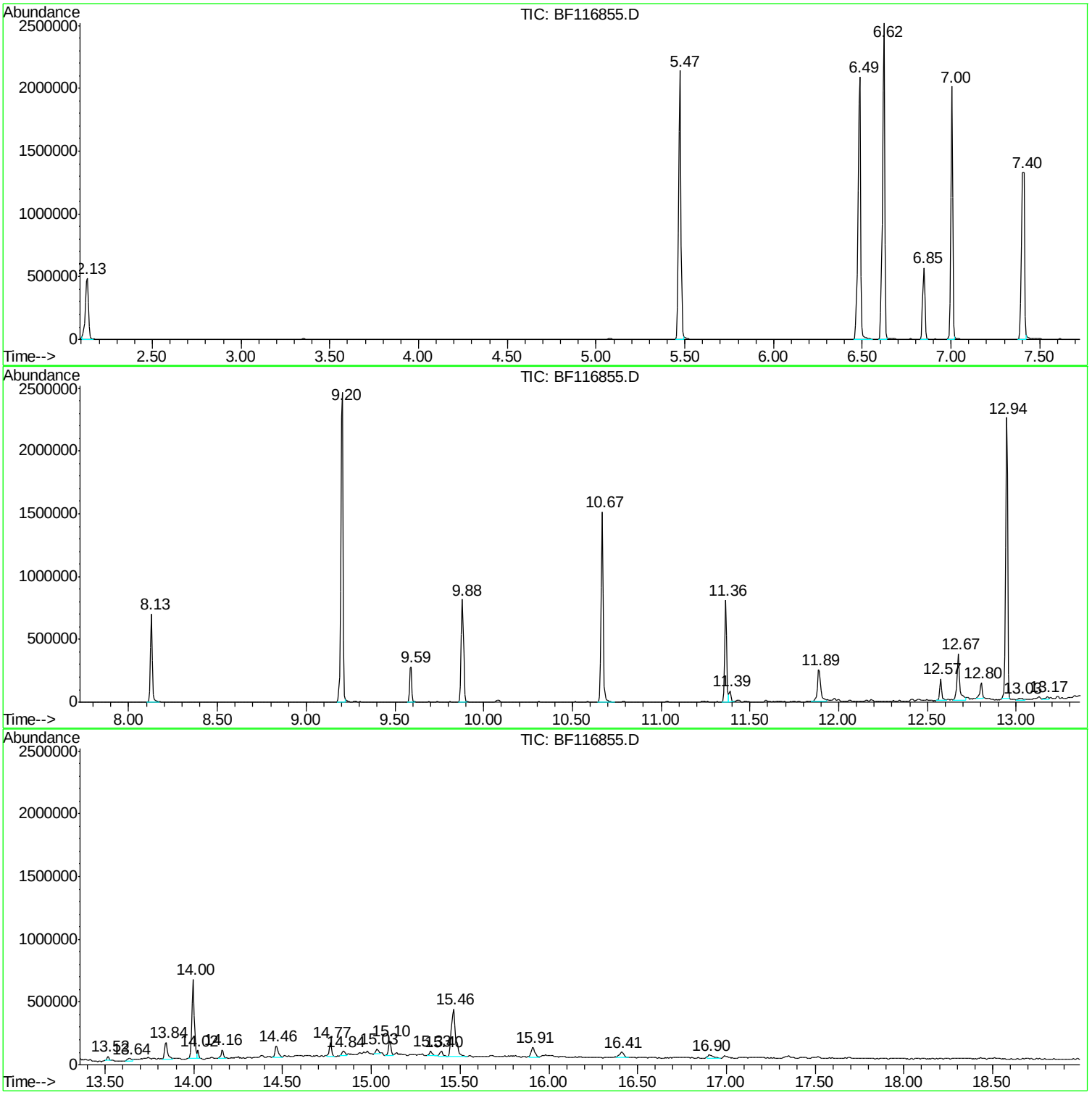
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116855.D
Acq On : 6 Sep 2019 10:58
Operator : HP/JU
Sample : K4650-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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\BF090619\
Data File : BF116855.D
Acq On : 6 Sep 2019 10:58
Operator : HP/JU
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Instrument : BNA_F
ClientSampleId : TP-2

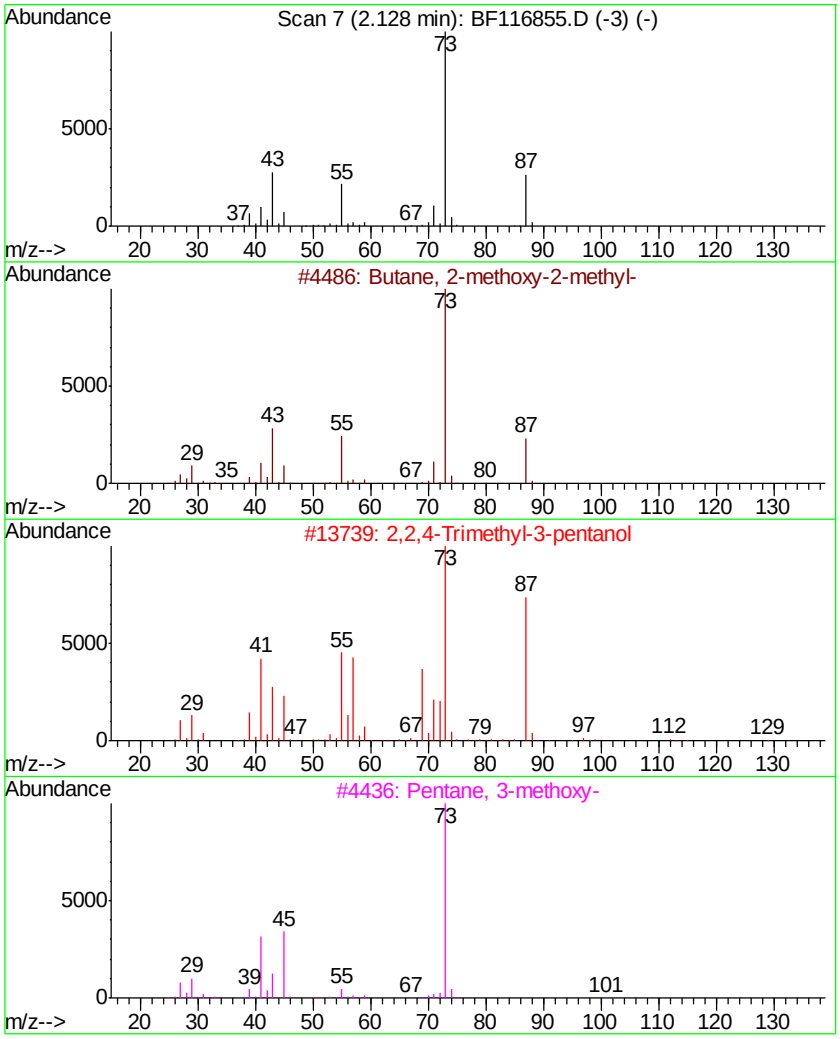
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

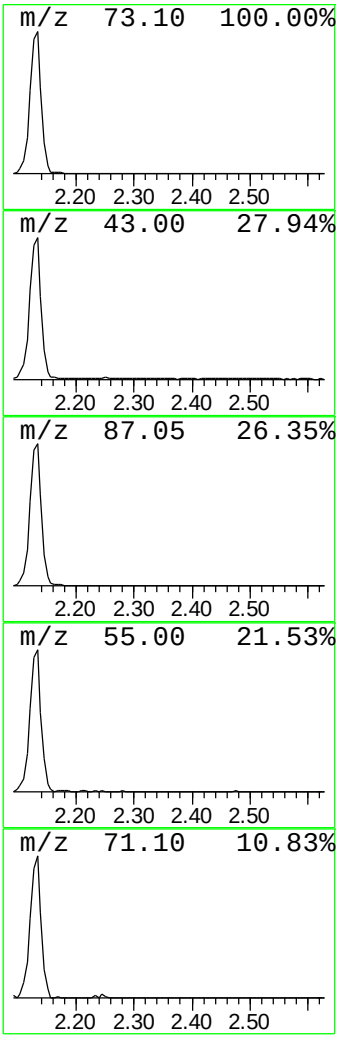
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	28.45 ng	646730	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116855.D
Acq On : 6 Sep 2019 10:58
Operator : HP/JU
Sample : K4650-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

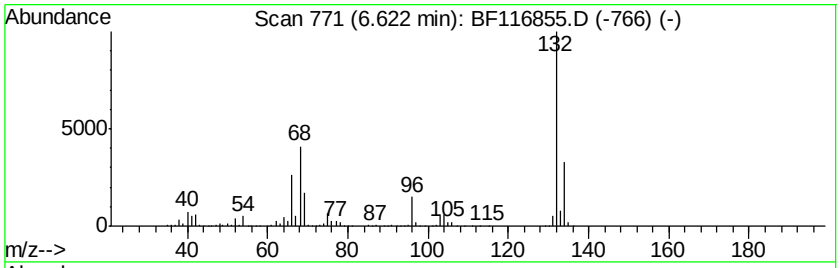
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

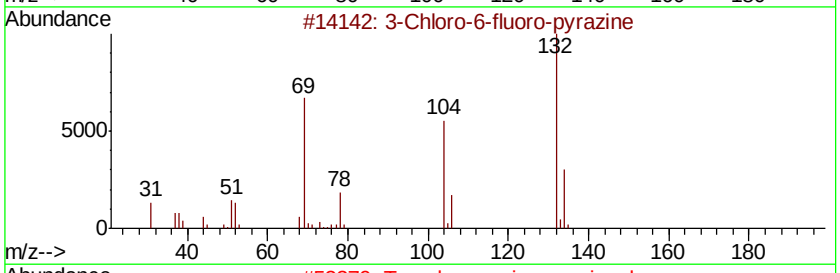
****

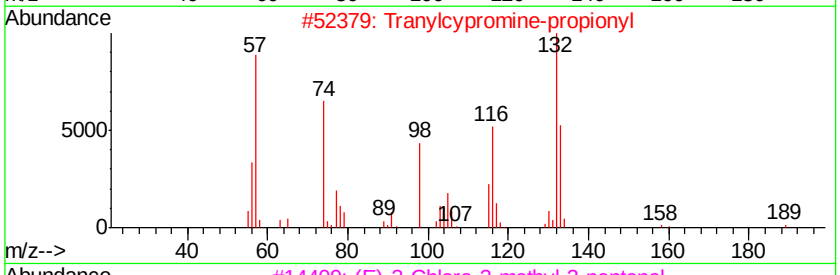
Peak Number 2 unknown6.62 Concentration Rank 1

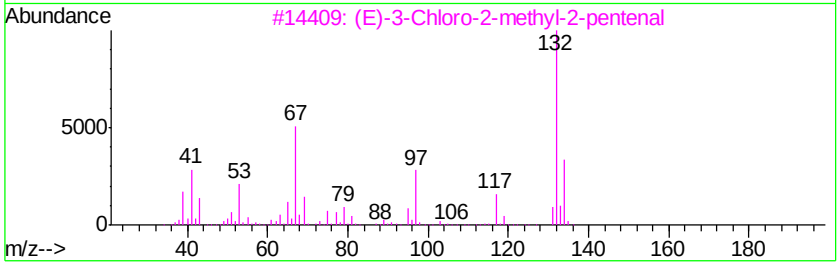
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	100.10 ng	2275560	1,4-Dichlorobenzene-d4	6.85

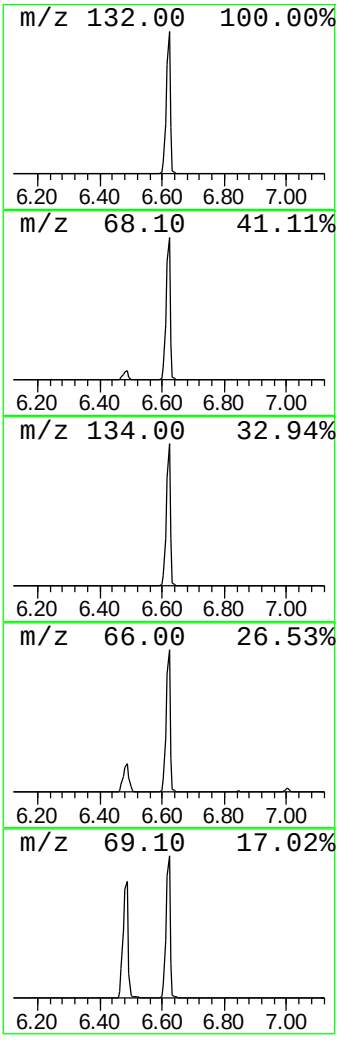
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Xenon	132	Xe	007440-63-3	9











Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116855.D
Acq On : 6 Sep 2019 10:58
Operator : HP/JU
Sample : K4650-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

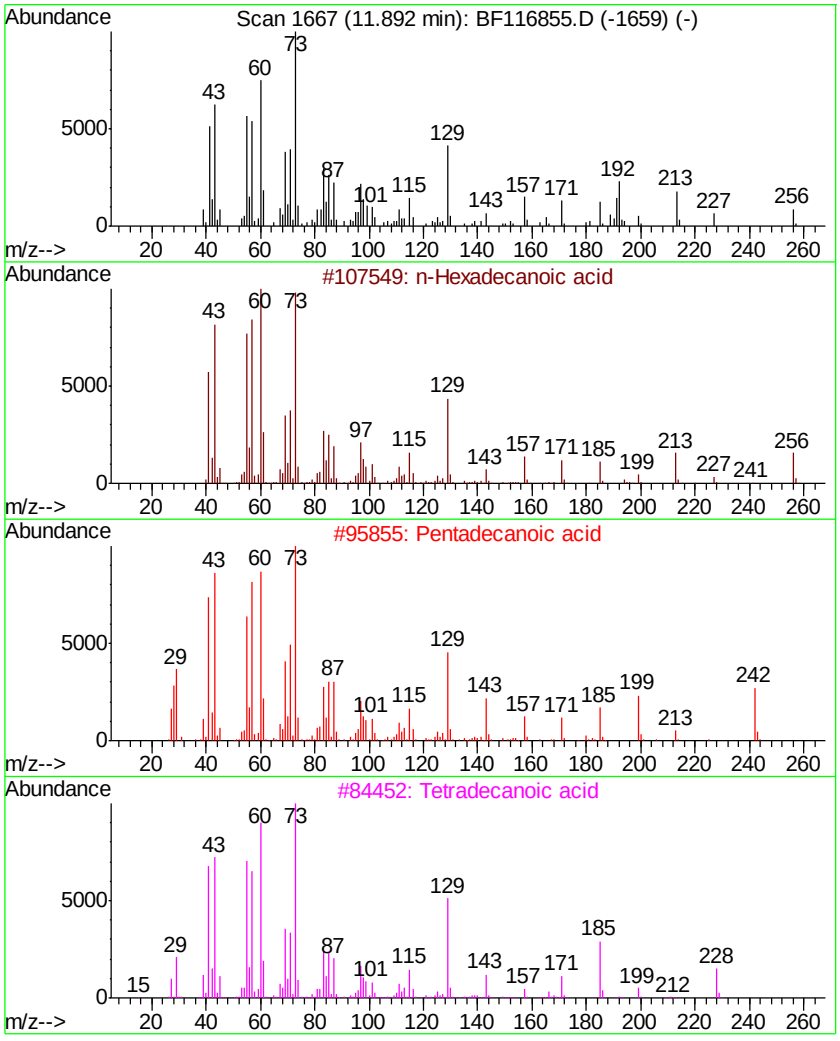
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

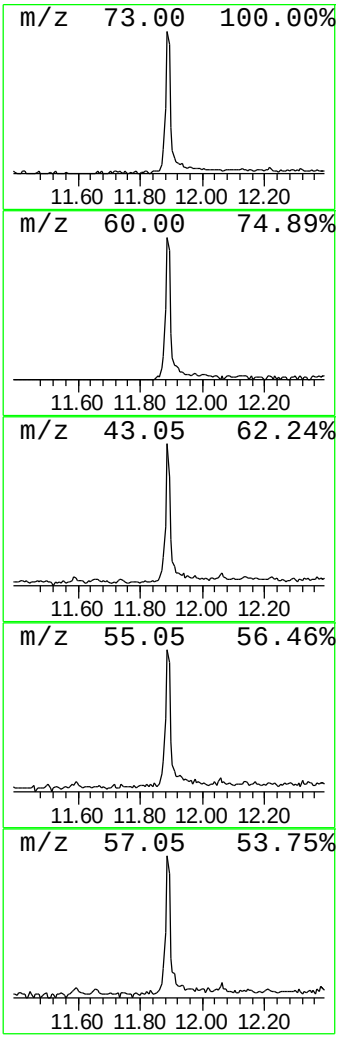
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	9.38 ng	326479	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4	Dodecanoic acid	200	C12H24O2	000143-07-7	64
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

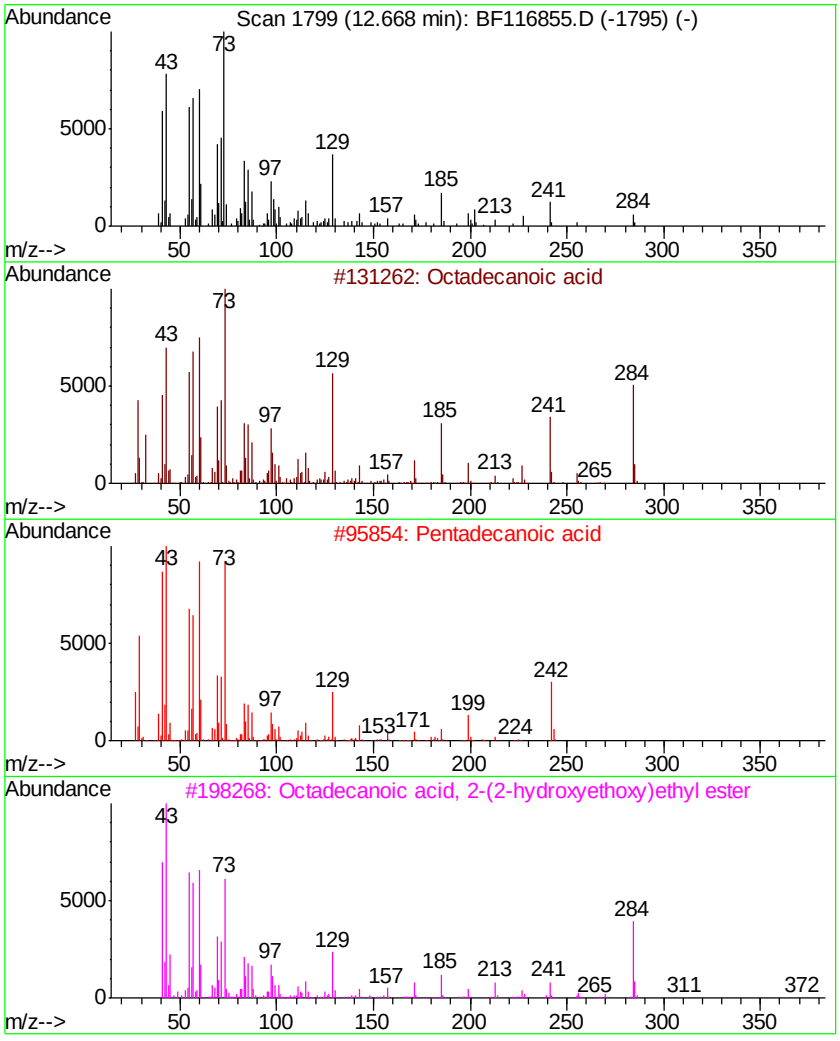
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

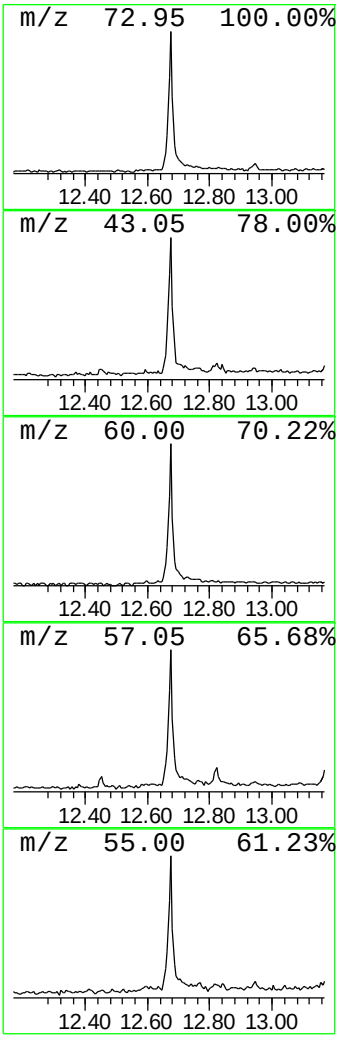
****

Peak Number 5 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	11.82 ng	411697	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	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116855.D
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Sample : K4650-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

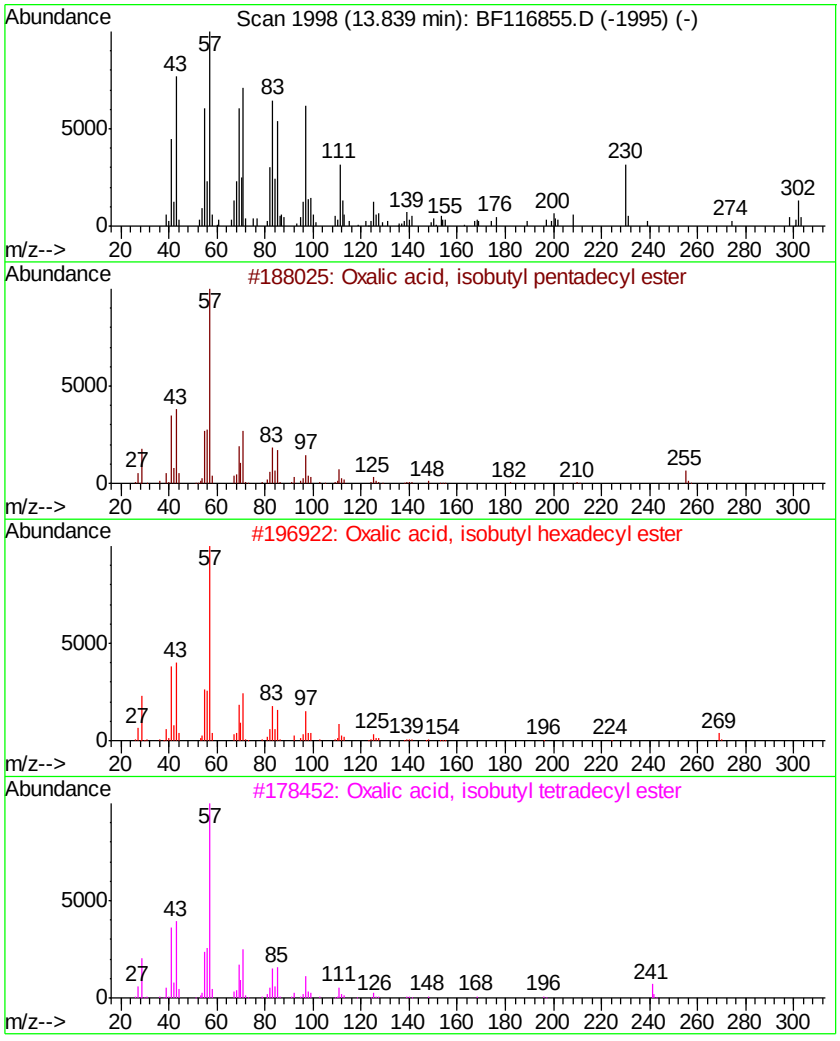
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

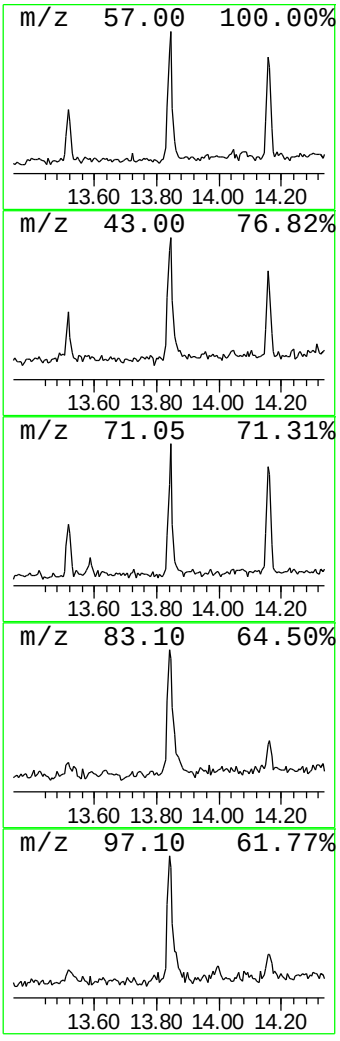
****

Peak Number 6 Oxalic acid, isobutyl penta... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	5.54 ng	170499	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	83
2	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	83
3	Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	83
4	Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	80
5	Nonadecane, 1-chloro-	302	C19H39Cl	062016-76-6	76





Library Search Compound Report

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Data File : BF116855.D
Acq On : 6 Sep 2019 10:58
Operator : HP/JU
Sample : K4650-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

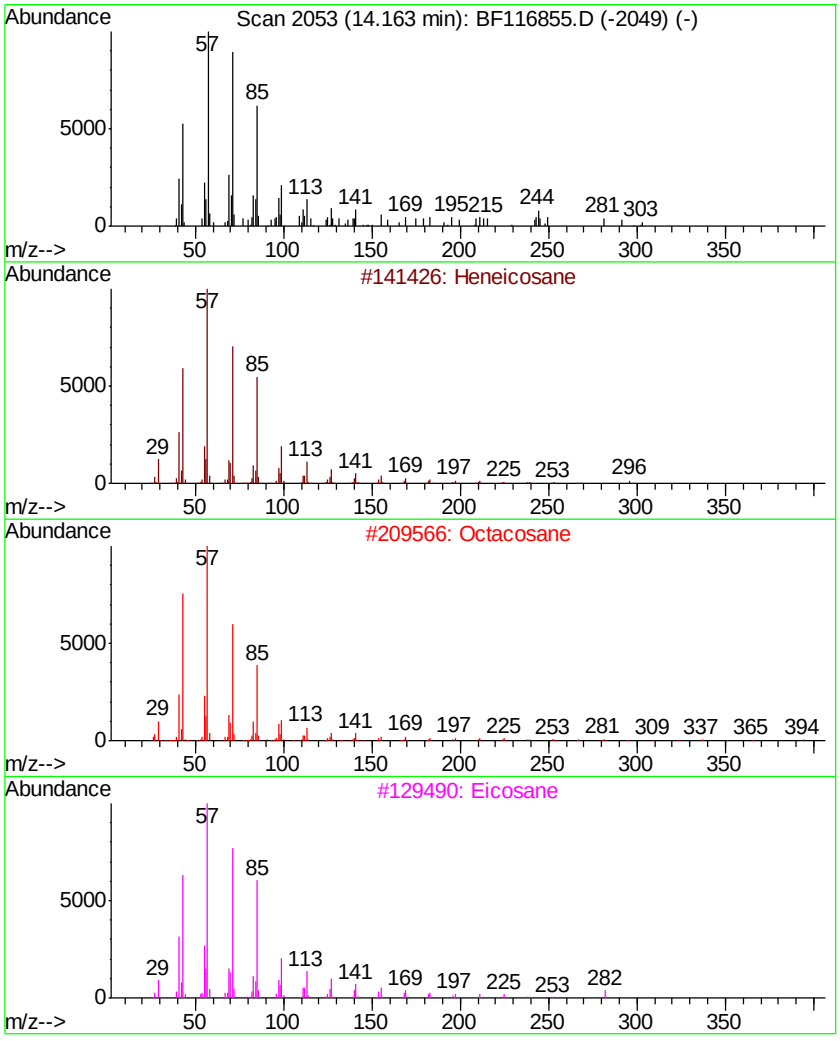
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

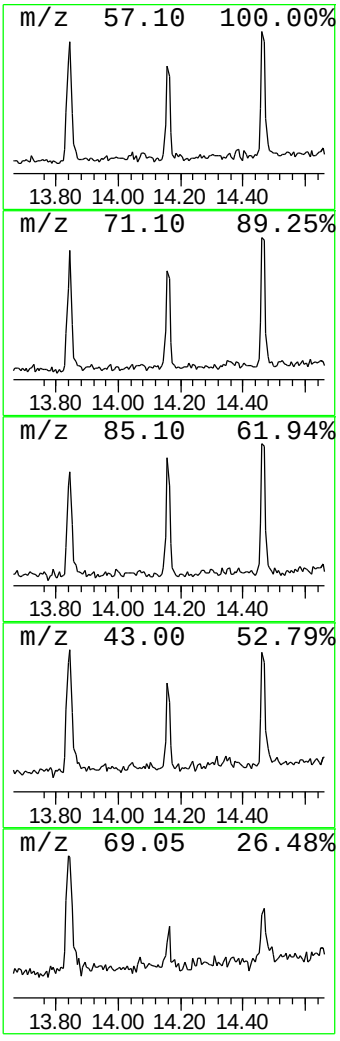
****

Peak Number 7 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	2.14 ng	65957	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Octacosane	394	C28H58	000630-02-4	87
3	Eicosane	282	C20H42	000112-95-8	87
4	Triacontane	422	C30H62	000638-68-6	87
5	Heptadecane	240	C17H36	000629-78-7	86





Library Search Compound Report

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Data File : BF116855.D
Acq On : 6 Sep 2019 10:58
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Sample : K4650-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

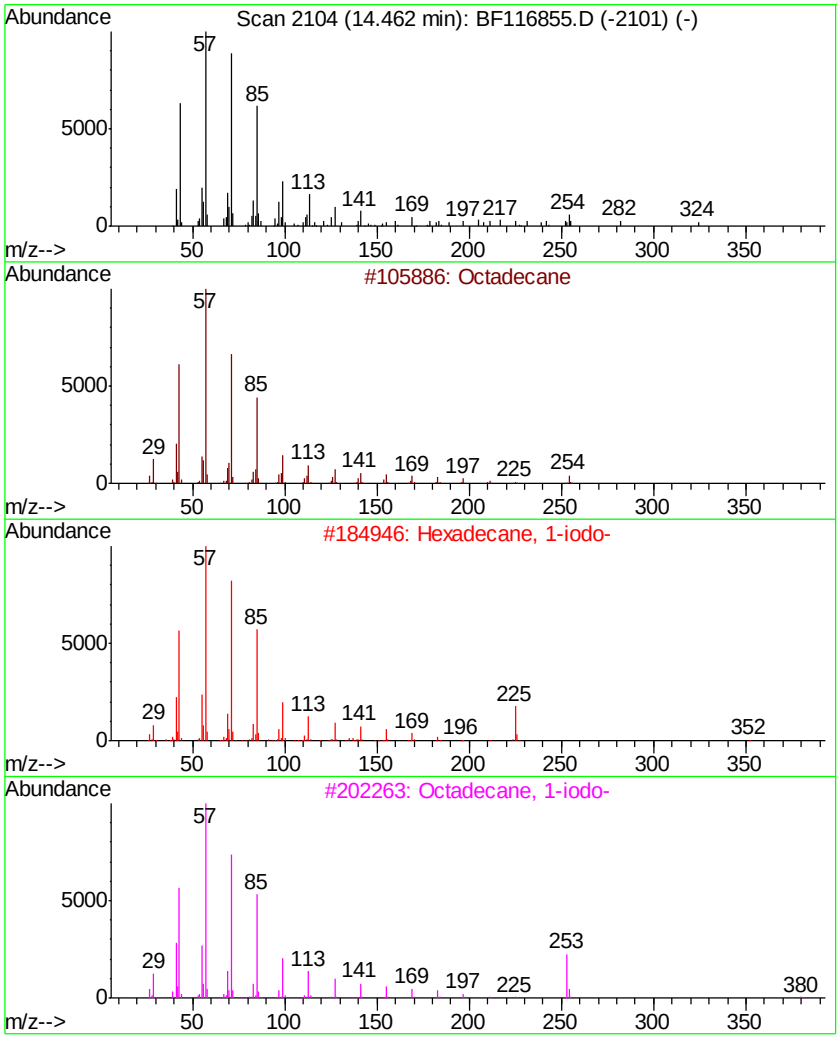
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

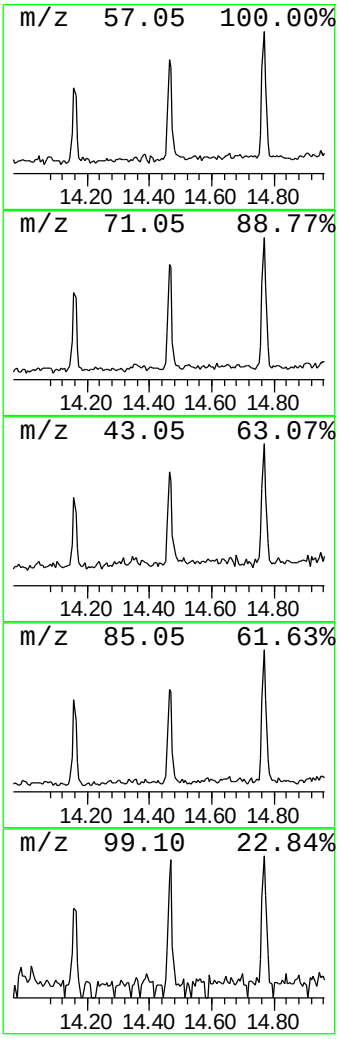
****

Peak Number 8 Octadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	3.28 ng	100835	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	93
2	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	91
3	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	91
4	Pentacosane	352	C25H52	000629-99-2	91
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116855.D
Acq On : 6 Sep 2019 10:58
Operator : HP/JU
Sample : K4650-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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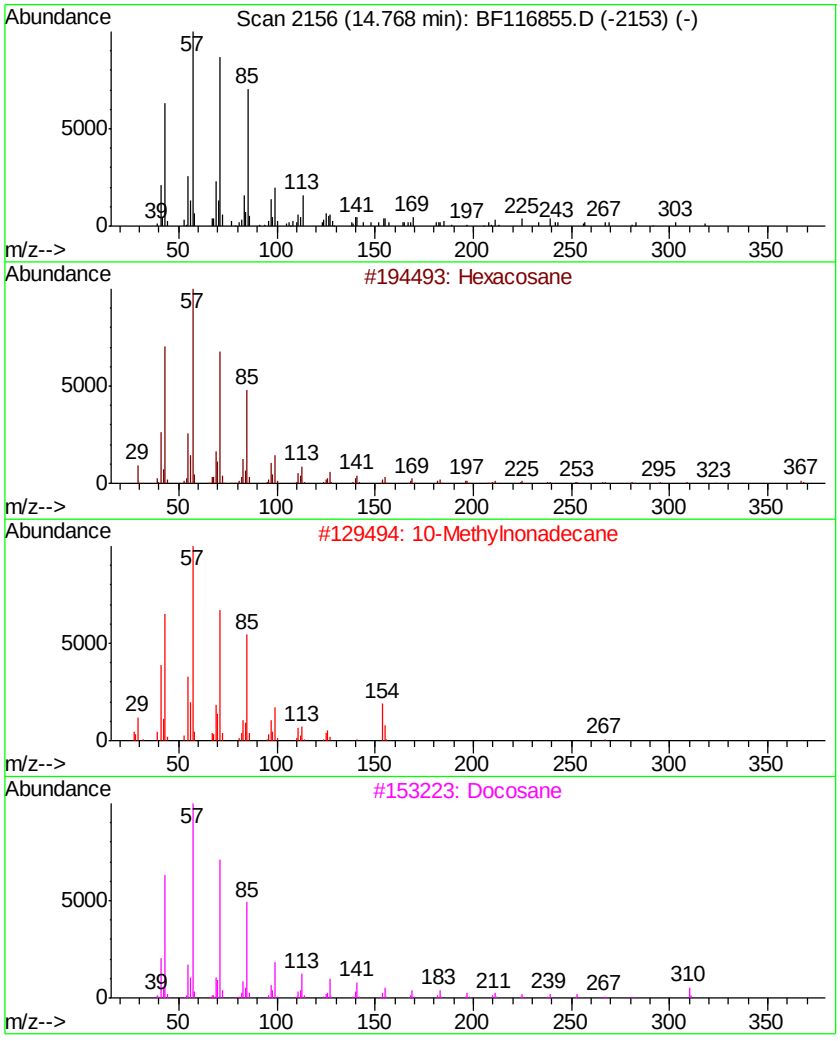
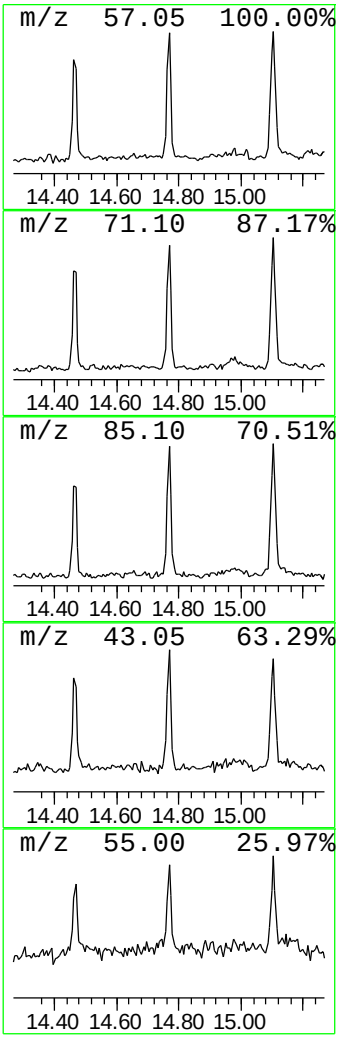
Peak Number 9 Hexacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	3.39 ng	104469	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	87
2	10-Methylnonadecane	282	C20H42	056862-62-5	86
3	Docosane	310	C22H46	000629-97-0	86
4	Heptadecane	240	C17H36	000629-78-7	86
5	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	86





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Data File : BF116855.D
Acq On : 6 Sep 2019 10:58
Operator : HP/JU
Sample : K4650-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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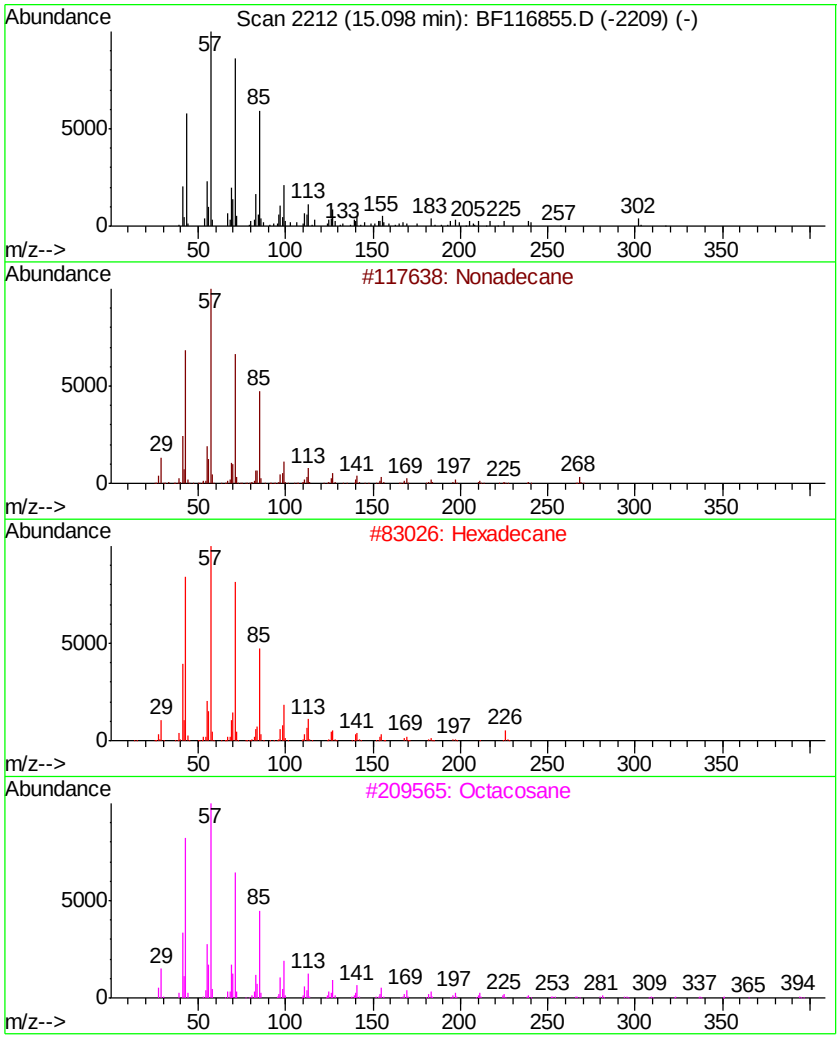
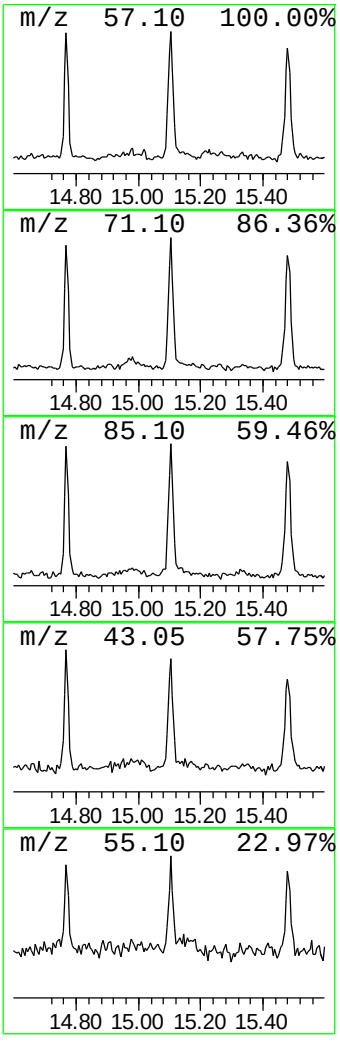
Peak Number 10 Nonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	4.31 ng	132967	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	94
2	Hexadecane	226	C16H34	000544-76-3	93
3	Octacosane	394	C28H58	000630-02-4	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116855.D
Acq On : 6 Sep 2019 10:58
Operator : HP/JU
Sample : K4650-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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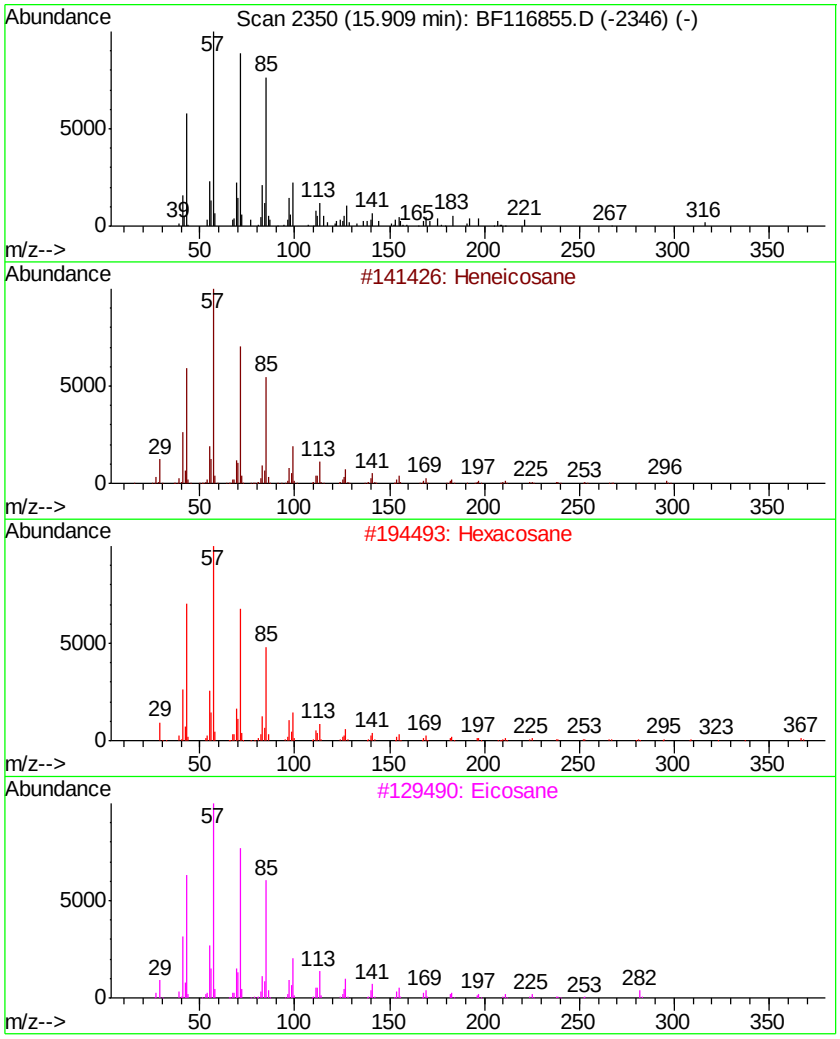
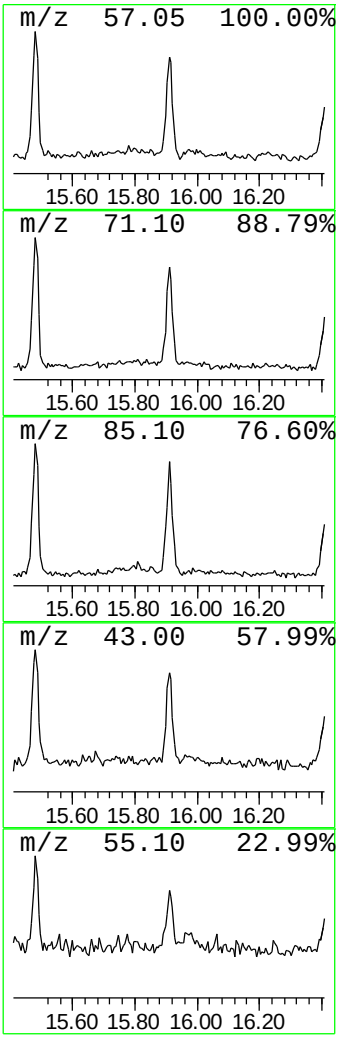
Peak Number 11 Eicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	3.72 ng	114905	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Eicosane	282	C20H42	000112-95-8	90
4	Octacosane	394	C28H58	000630-02-4	87
5	Heptadecane	240	C17H36	000629-78-7	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116855.D
Acq On : 6 Sep 2019 10:58
Operator : HP/JU
Sample : K4650-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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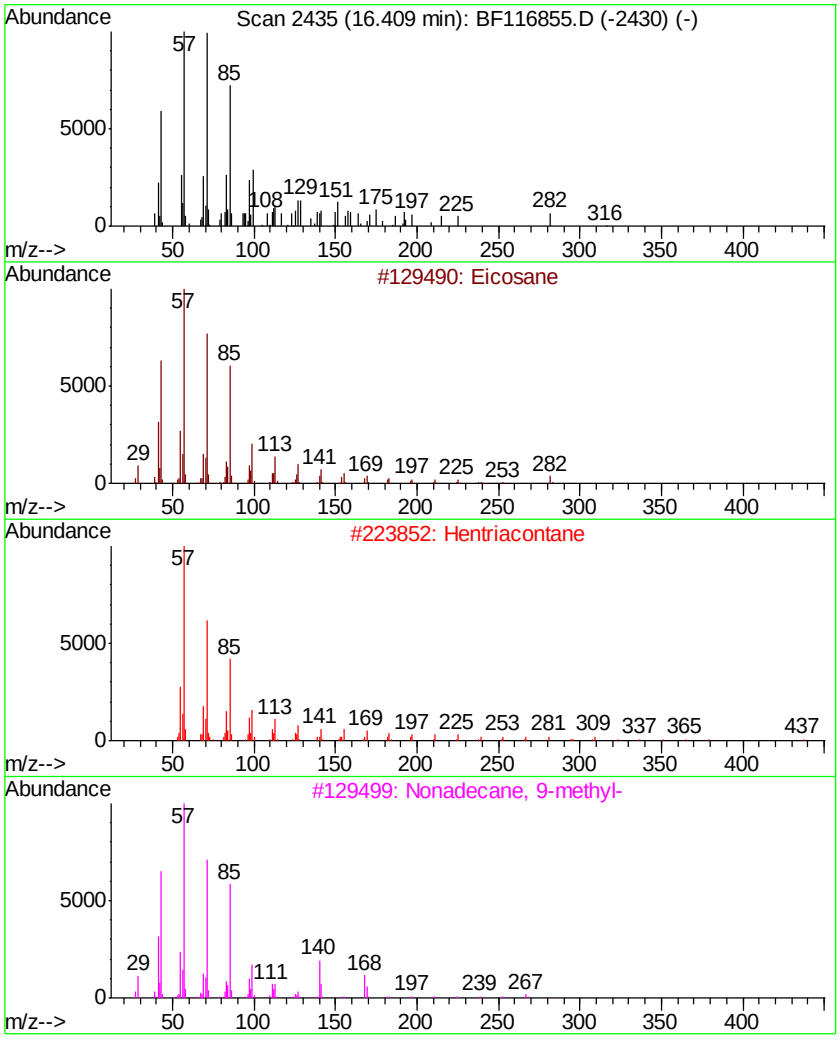
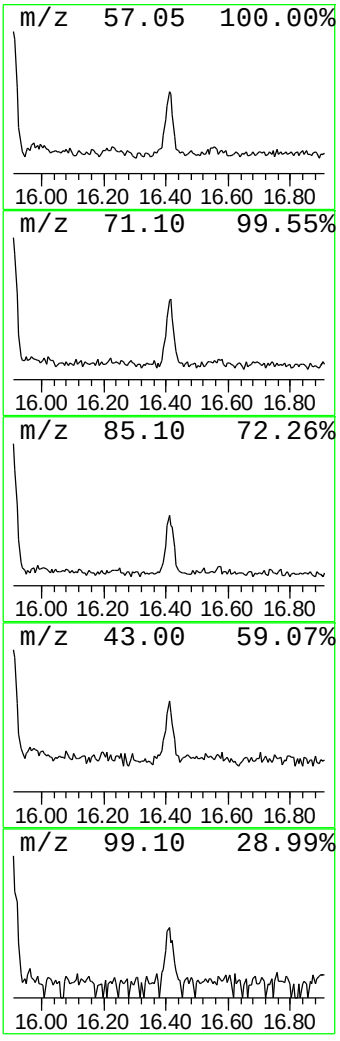
Peak Number 12 Hentriacontane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	2.37 ng	73113	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	89
2	Hentriacontane	437	C31H64	000630-04-6	72
3	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	50
4	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	50
5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090619\
Data File : BF116855.D
Acq On : 6 Sep 2019 10:58
Operator : HP/JU
Sample : K4650-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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
Butane, 2-methoxy...	2.13	28.4	ng	646730	1	6.85	454659	20.0
unknown6.62	6.62	100.1	ng	2275560	1	6.85	454659	20.0
n-Hexadecanoic acid	11.89	9.4	ng	326479	4	11.36	696350	20.0
Octadecanoic acid	12.67	11.8	ng	411697	4	11.36	696350	20.0
Oxalic acid, isob...	13.84	5.5	ng	170499	5	14.00	615473	20.0
Heneicosane	14.16	2.1	ng	65957	5	14.00	615473	20.0
Octadecane	14.46	3.3	ng	100835	5	14.00	615473	20.0
Hexacosane	14.77	3.4	ng	104469	6	15.46	617023	20.0
Nonadecane	15.10	4.3	ng	132967	6	15.46	617023	20.0
Eicosane	15.91	3.7	ng	114905	6	15.46	617023	20.0
Hentriacontane	16.41	2.4	ng	73113	6	15.46	617023	20.0