LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121518\
Data File : BM018215.D
Acq On : 15 Dec 2018 21:58
Operator : JU/SJ
Sample : J6347-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SW001-02

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_M\METHODS\8270-BM121518.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	5.134	376	382	392	rBV	65228	102644	4.30%	0.443%
2	6.722	643	652	664	rBV2	79642	225544	9.44%	0.973%
3	7.039	701	706	718	rVB	115333	188942	7.91%	0.815%
4	7.139	718	723	728	rBV3	15479	28838	1.21%	0.124%
5	7.498	778	784	793	rBV	469913	756593	31.66%	3.263%
6	7.810	831	837	846	rBV	441093	714327	29.89%	3.081%
7	8.663	973	982	996	rBV	287137	573592	24.00%	2.474%
8	9.039	1038	1046	1052	rVB	37294	55996	2.34%	0.242%
9	10.269	1247	1255	1267	rBV	556886	1047985	43.86%	4.520%
10	11.522	1461	1468	1476	rVB2	48524	73111	3.06%	0.315%
11	12.763	1673	1679	1697	rBV	928683	1510989	63.23%	6.517%
12	13.557	1806	1814	1820	rBV	38914	50824	2.13%	0.219%
13	13.639	1823	1828	1840	rBV	85737	151612	6.34%	0.654%
14	14.157	1909	1916	1930	rBV2	910926	1418522	59.36%	6.118%
15	15.133	2078	2082	2087	rBV2	26424	36413	1.52%	0.157%
16	15.674	2169	2174	2181	rVB	129777	211029	8.83%	0.910%
17	16.392	2292	2296	2302	rVB2	16426	26628	1.11%	0.115%
18	16.921	2380	2386	2399	rBV	1083187	1719249	71.95%	7.415%
19	17.215	2430	2436	2442	rBV	210444	282263	11.81%	1.217%
20	17.456	2468	2477	2481	rBV3	19948	36862	1.54%	0.159%
21	17.703	2513	2519	2525	rBV6	22657	39507	1.65%	0.170%
22	17.833	2535	2541	2550	rBV	612225	899083	37.63%	3.878%
23	19.003	2737	2740	2745	rVB6	20184	31897	1.33%	0.138%
24	19.127	2755	2761	2771	rBV	256831	406335	17.00%	1.752%
25	19.215	2773	2776	2781	rVV3	30365	46843	1.96%	0.202%
26	19.274	2783	2786	2794	rVB6	28399	41099	1.72%	0.177%
27	19.568	2831	2836	2850	rBV	1852841	2389540	100.00%	10.306%
28	19.868	2883	2887	2890	rBV6	36662	58558	2.45%	0.253%
29	20.333	2963	2966	2970	rBV5	24852	33299	1.39%	0.144%
30	20.392	2972	2976	2981	rVV3	48476	64675	2.71%	0.279%
31	20.562	3001	3005	3008	rBV3	27683	31838	1.33%	0.137%
32	20.862	3051	3056	3066	rBV	912285	1225101	51.27%	5.284%
33	21.062	3086	3090	3096	rVB	404028	435635	18.23%	1.879%
34	21.139	3098	3103	3114	rVB	1620780	2174985	91.02%	9.380%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121518\
Data File : BM018215.D
Acq On : 15 Dec 2018 21:58
Operator : JU/SJ
Sample : J6347-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SW001-02

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_M\METHODS\8270-BM121518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	21.297	3127	3130	3135	rBV	213262	243218	10.18%	1.049%
36	21.721	3198	3202	3209	rBV	326626	468304	19.60%	2.020%
37	22.168	3274	3278	3283	rBV	447435	539145	22.56%	2.325%
38	22.286	3294	3298	3307	rVB	304551	420809	17.61%	1.815%
39	22.650	3356	3360	3365	rVB	457685	571235	23.91%	2.464%
40	23.185	3446	3451	3459	rVB	360742	591450	24.75%	2.551%
41	23.297	3464	3470	3478	rVB2	1105250	2015743	84.36%	8.694%
42	23.791	3549	3554	3562	rVB3	275783	514794	21.54%	2.220%
43	23.885	3565	3570	3581	rVB4	194432	434206	18.17%	1.873%
44	24.485	3669	3672	3679	rVB2	150227	297146	12.44%	1.282%

Sum of corrected areas: 23186408

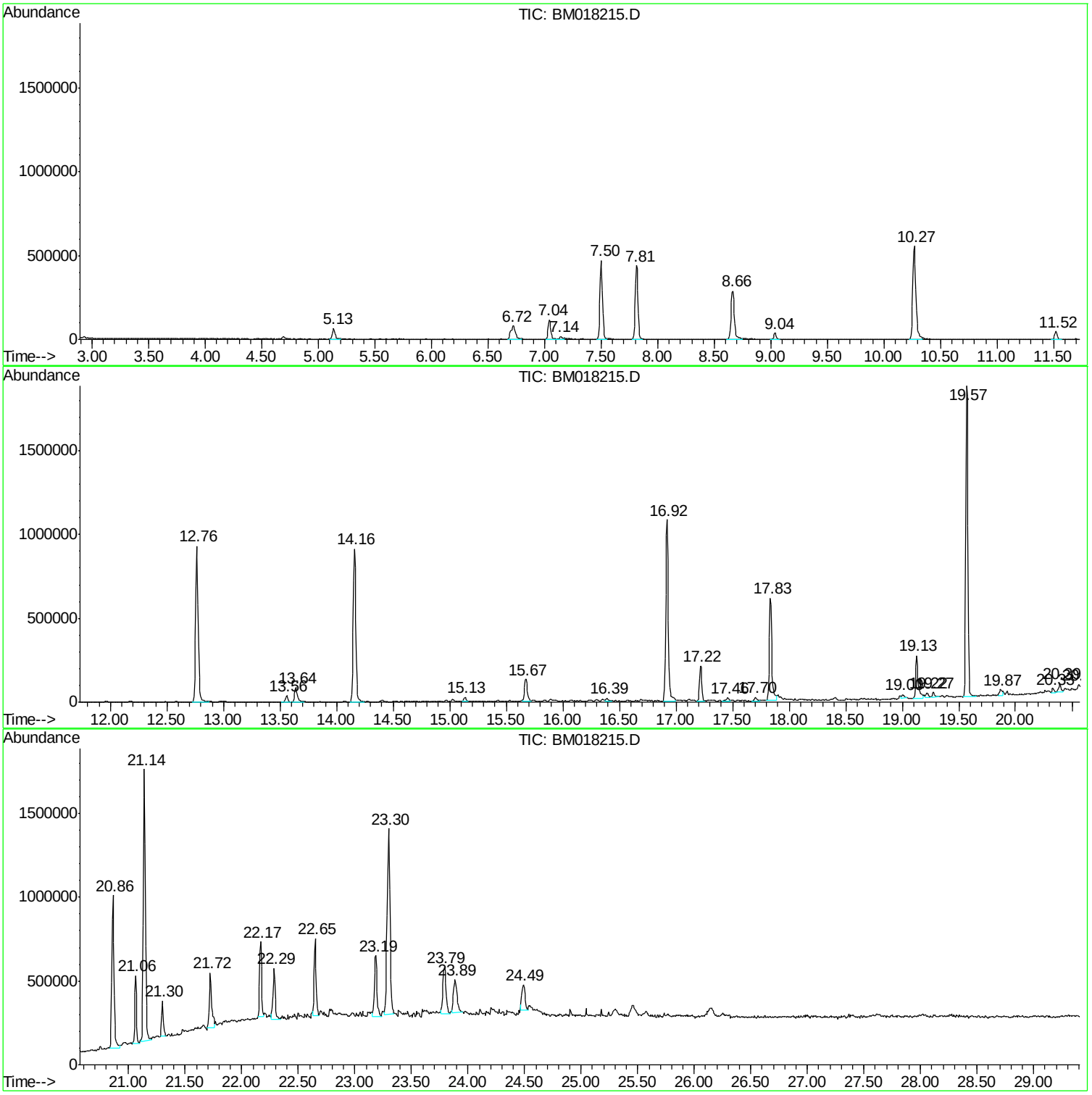
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121518\
Data File : BM018215.D
Acq On : 15 Dec 2018 21:58
Operator : JU/SJ
Sample : J6347-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-SW001-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121518\
Data File : BM018215.D
Acq On : 15 Dec 2018 21:58
Operator : JU/SJ
Sample : J6347-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SW001-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

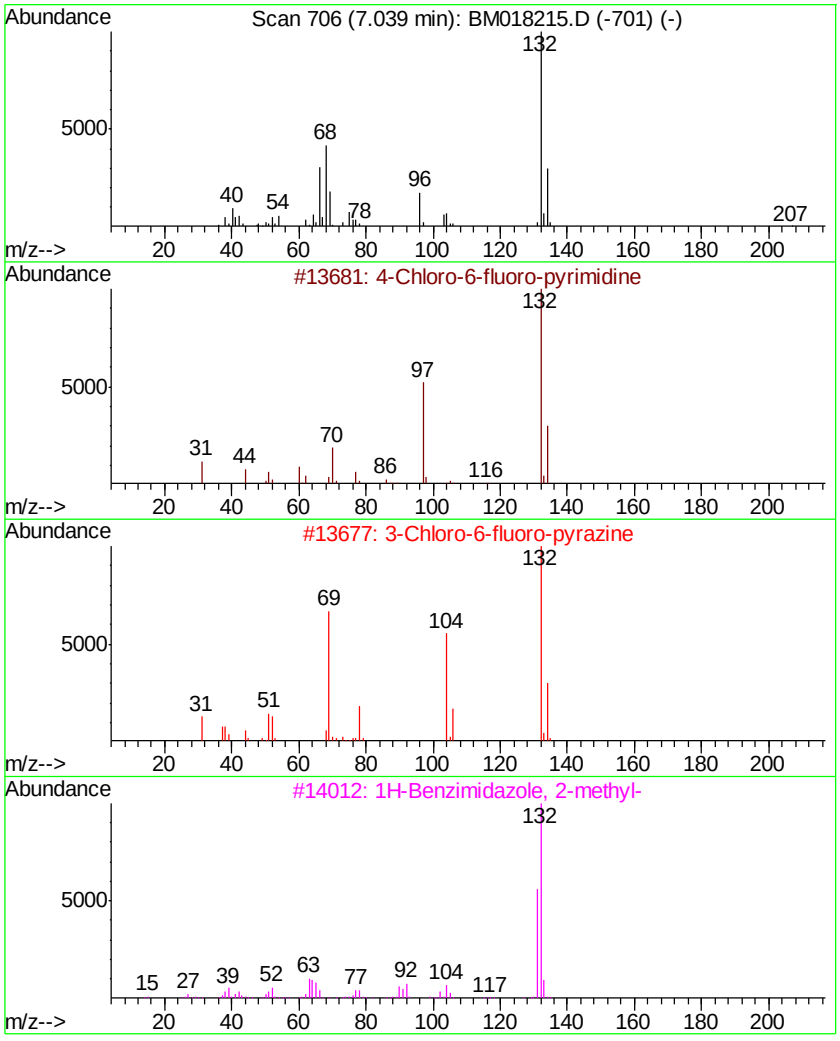
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

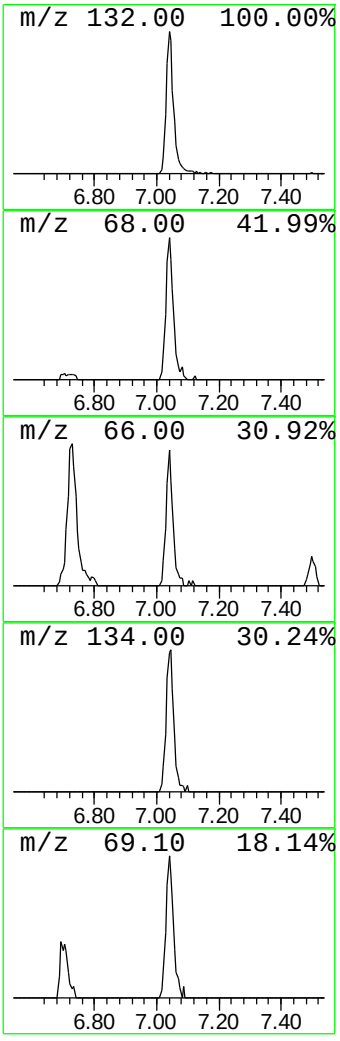
****

Peak Number 1 unknown7.04 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	4.99 ng	188942	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	22
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121518\
Data File : BM018215.D
Acq On : 15 Dec 2018 21:58
Operator : JU/SJ
Sample : J6347-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SW001-02

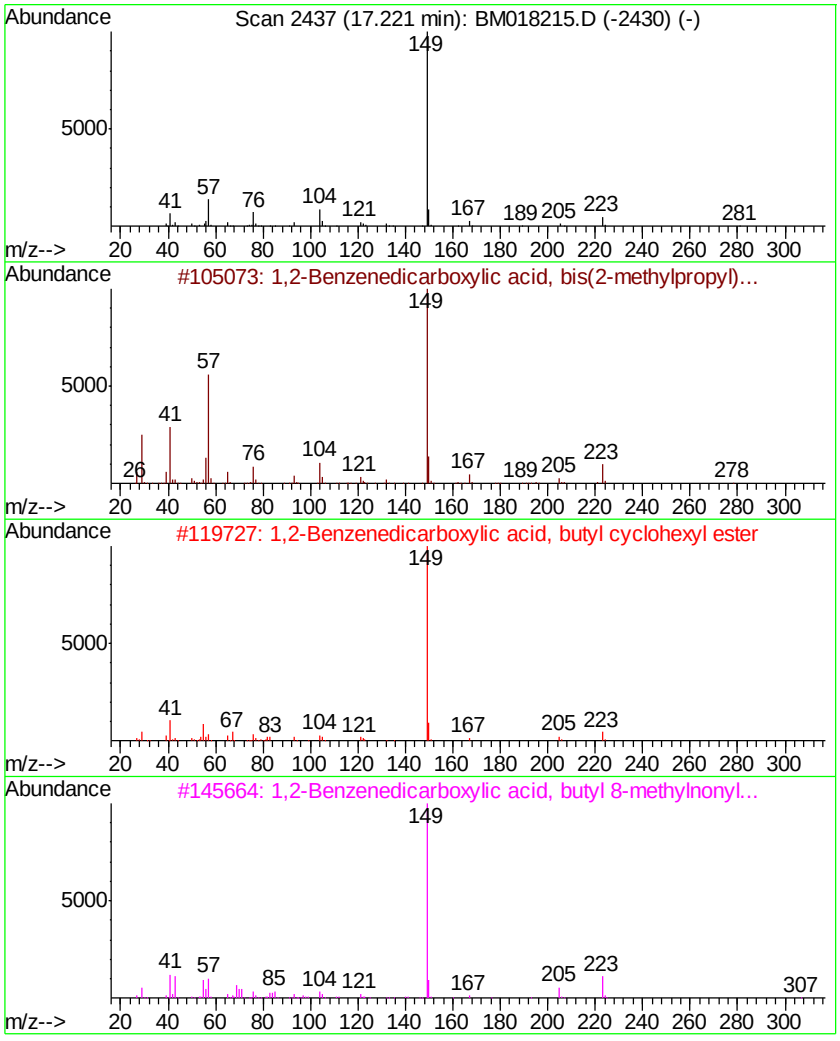
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

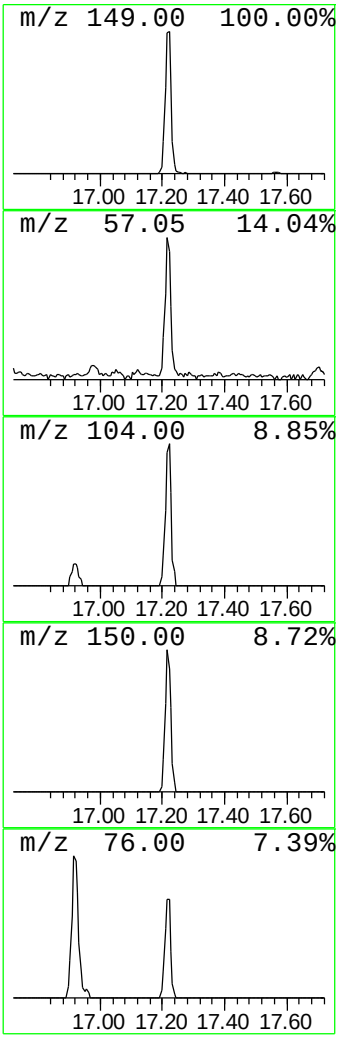
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1,2-Benzenedicarboxylic aci... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	3.28 ng	282263	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	83
2	1,2-Benzenedicarboxylic acid, bu...	304	C18H24O4	000084-64-0	78
3	1,2-Benzenedicarboxylic acid, bu...	362	C22H34O4	000089-18-9	78
4	1,2-Benzenedicarboxylic acid, di...	362	C22H34O4	003648-21-3	72
5	1,2-Benzenedicarboxylic acid, bu...	278	C16H22O4	017851-53-5	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121518\
Data File : BM018215.D
Acq On : 15 Dec 2018 21:58
Operator : JU/SJ
Sample : J6347-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SW001-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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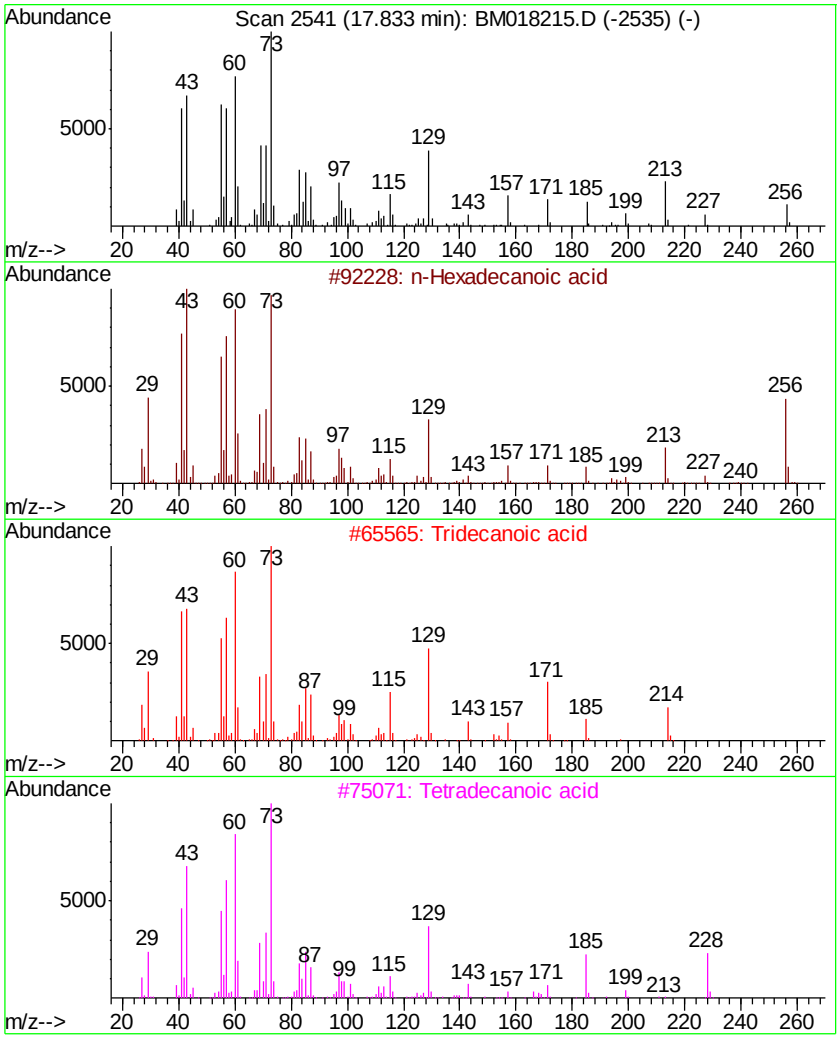
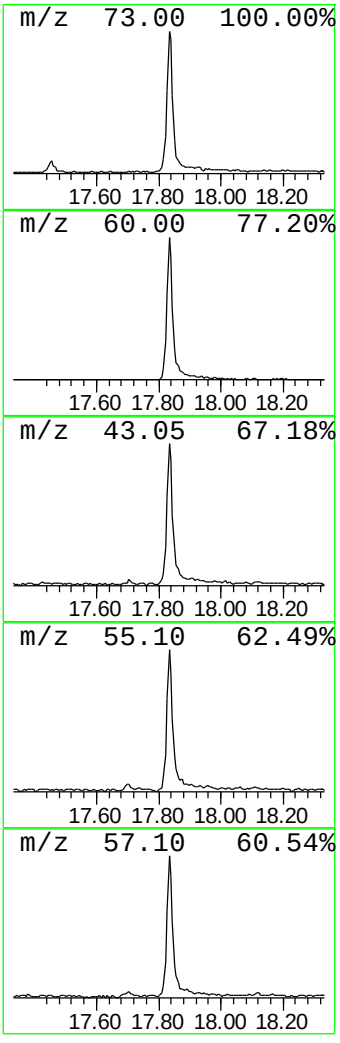
Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	10.46 ng	899083	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	n-Decanoic acid	172	C10H20O2	000334-48-5	76
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121518\
Data File : BM018215.D
Acq On : 15 Dec 2018 21:58
Operator : JU/SJ
Sample : J6347-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SW001-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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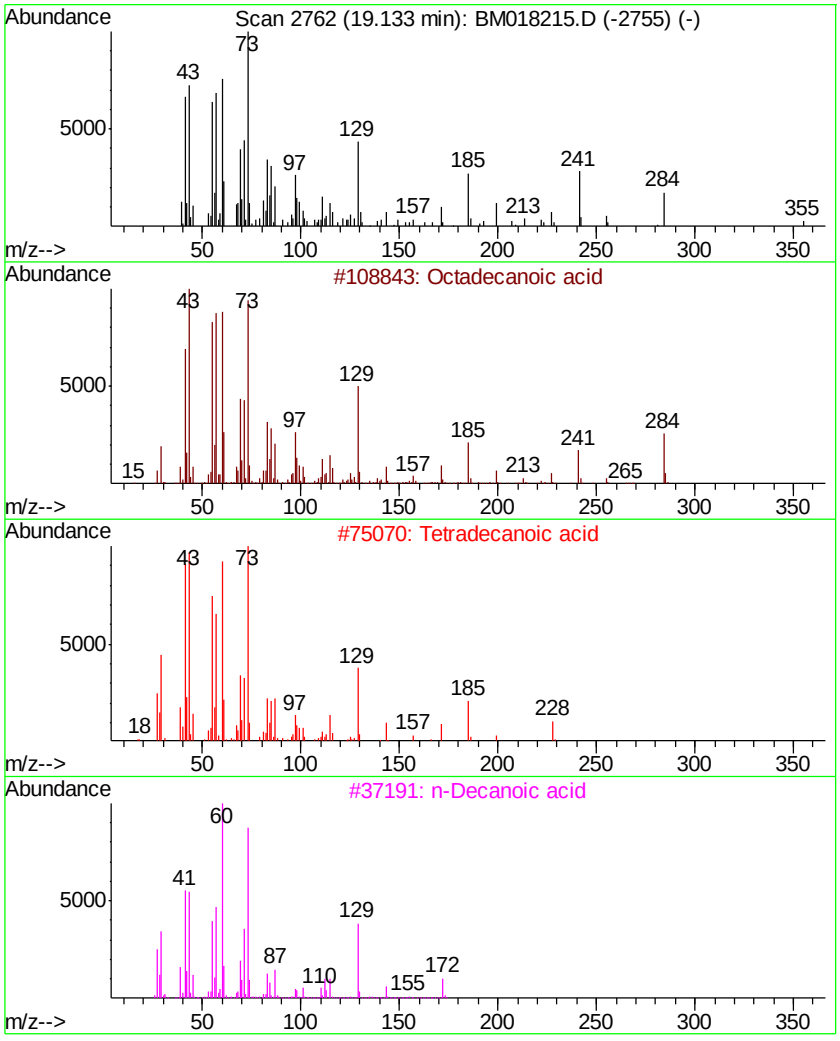
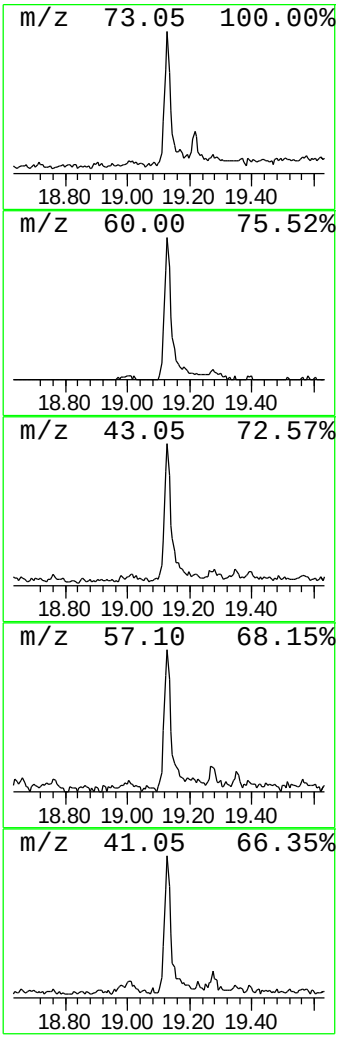
Peak Number 5 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	3.74 ng	406335	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	70
3	n-Decanoic acid	172	C10H20O2	000334-48-5	64
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	53
5	Eicosane	282	C20H42	000112-95-8	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121518\
Data File : BM018215.D
Acq On : 15 Dec 2018 21:58
Operator : JU/SJ
Sample : J6347-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SW001-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

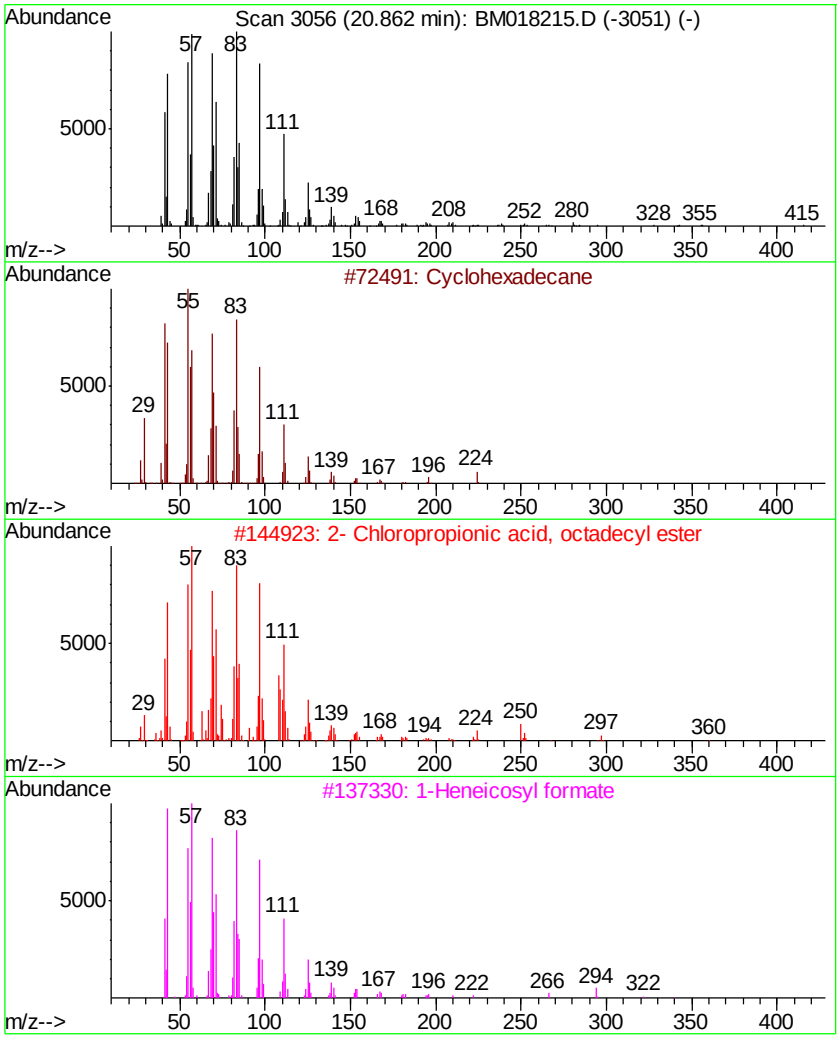
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

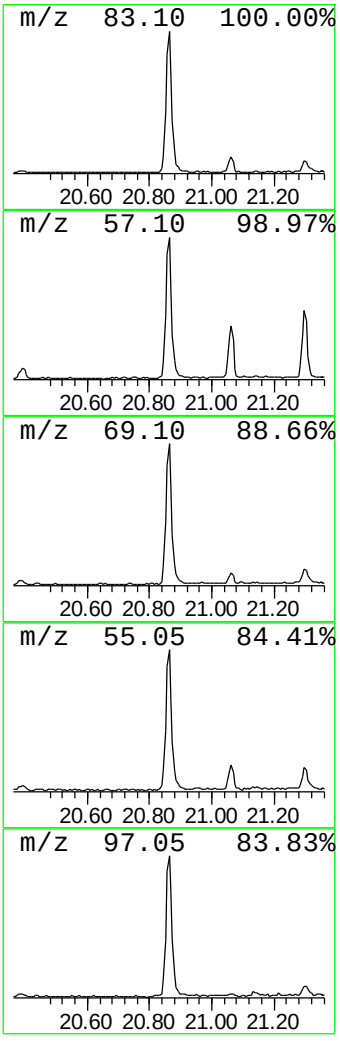
****

Peak Number 6 Cyclohexadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	11.27 ng	1225100	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	94
2	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	94
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
4	Cyclopentadecane	210	C15H30	000295-48-7	93
5	5-Octadecene, (E)-	252	C18H36	007206-21-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121518\
Data File : BM018215.D
Acq On : 15 Dec 2018 21:58
Operator : JU/SJ
Sample : J6347-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SW001-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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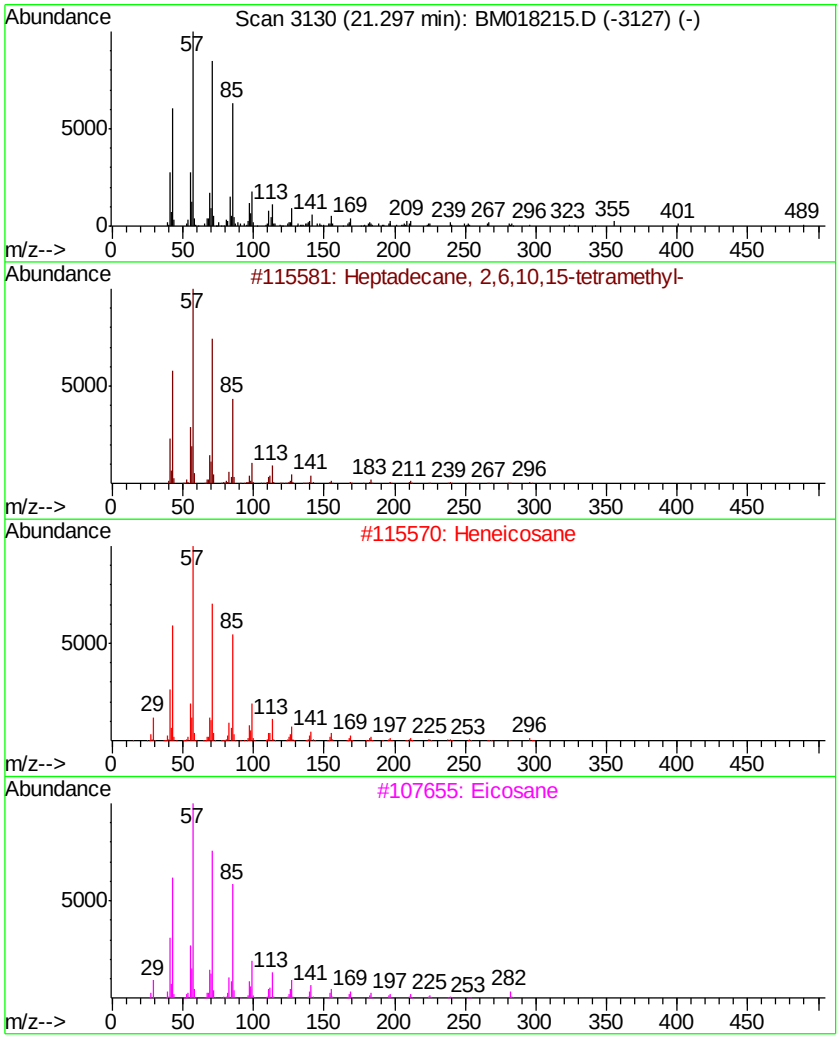
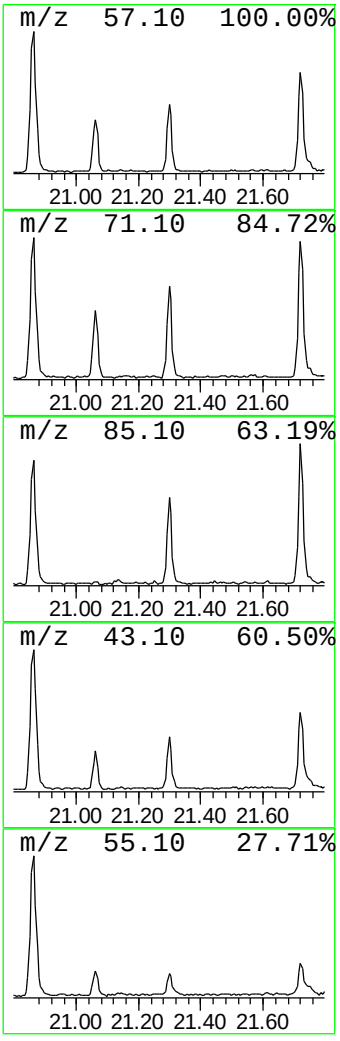
Peak Number 7 Heptadecane, 2,6,10,15-tetr... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	2.24 ng	243218	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
2	Heneicosane	296	C21H44	000629-94-7	91
3	Eicosane	282	C20H42	000112-95-8	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Nonacosane	408	C29H60	000630-03-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121518\
Data File : BM018215.D
Acq On : 15 Dec 2018 21:58
Operator : JU/SJ
Sample : J6347-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SW001-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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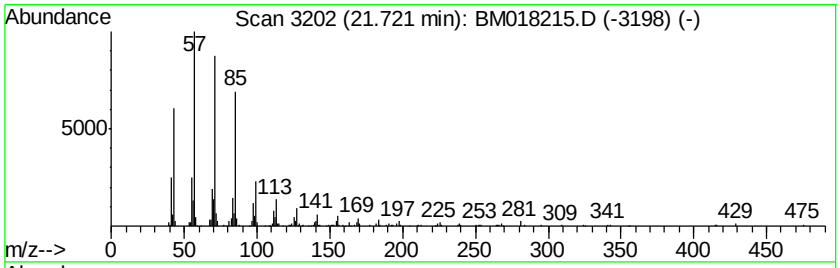
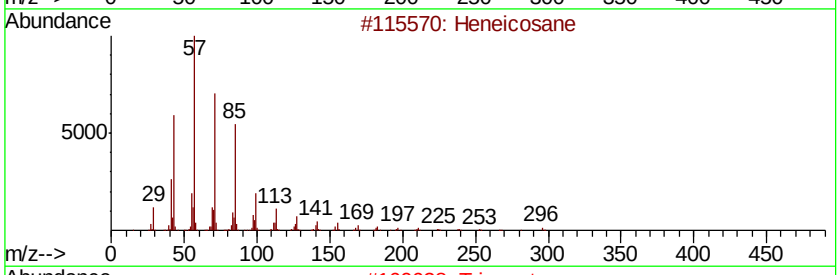
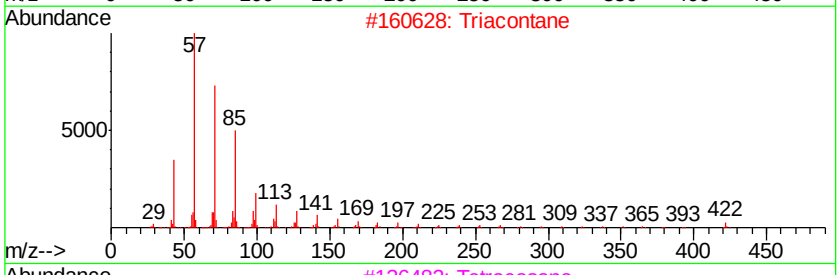
Peak Number 8 Heneicosane Concentration Rank 10

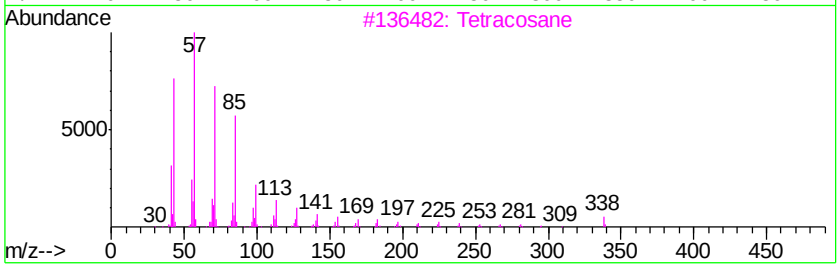
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.72	4.31 ng	468304	Chrysene-d12	21.14

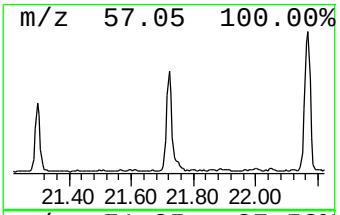
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Triacontane	422	C30H62	000638-68-6	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Docosane	310	C22H46	000629-97-0	91
5	Hexadecane	226	C16H34	000544-76-3	91

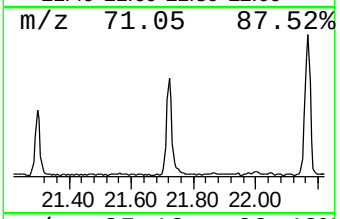


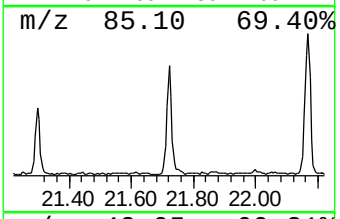


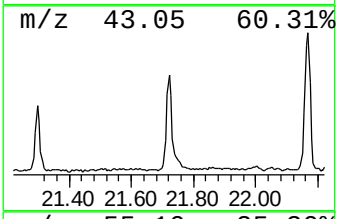


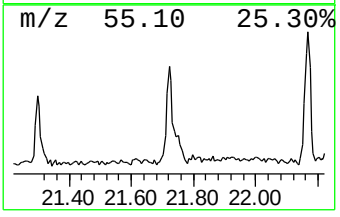












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Data File : BM018215.D
Acq On : 15 Dec 2018 21:58
Operator : JU/SJ
Sample : J6347-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SW001-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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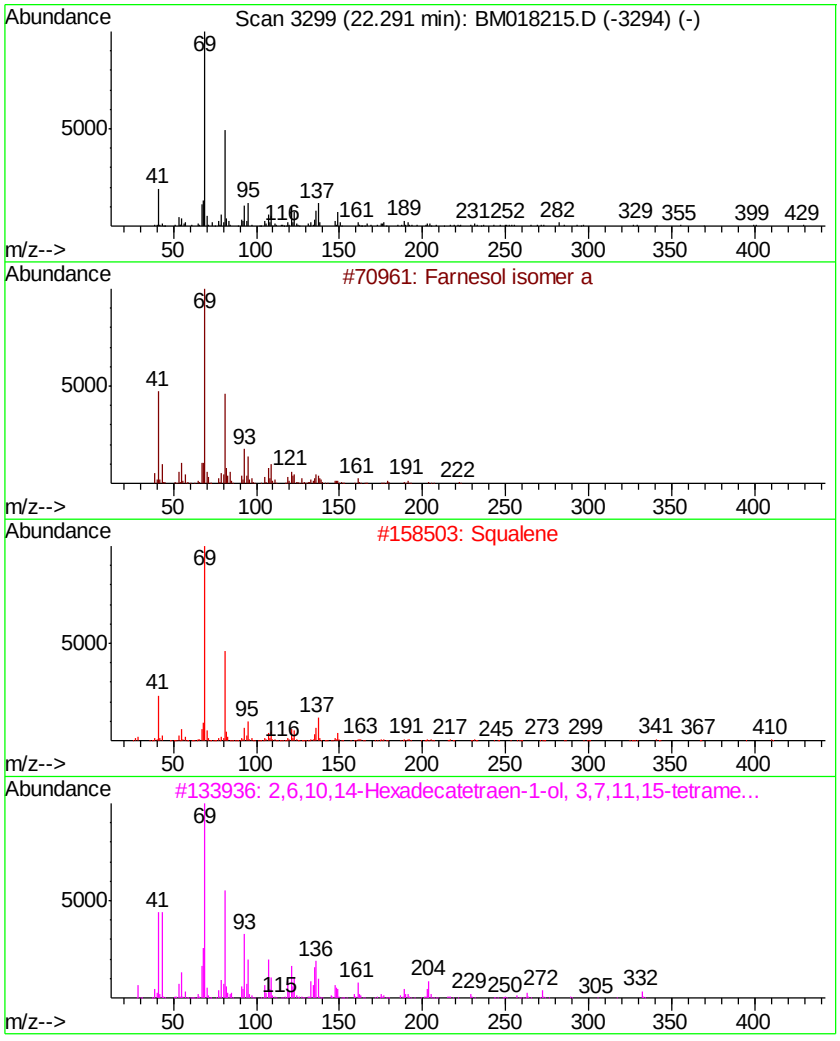
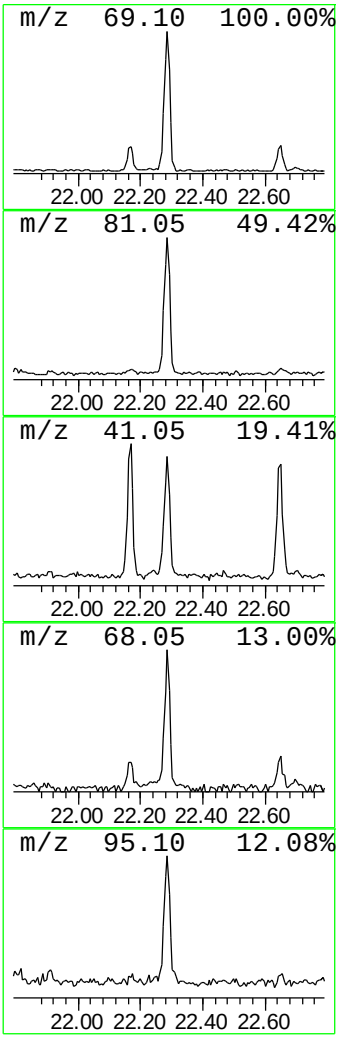
Peak Number 10 Farnesol isomer a Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.29	4.18 ng	420809	Perylene-d12	23.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Farnesol isomer a	222	C15H26O	1000108-92-4	74
2	Squalene	410	C30H50	007683-64-9	74
3	2,6,10,14-Hexadecatetraen-1-ol, ...	332	C22H36O2	061691-98-3	64
4	2,3,5-Trimethyl-2,3,5-hexanetric...	203	C12H17N3	003974-79-6	64
5	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	64





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121518\
Data File : BM018215.D
Acq On : 15 Dec 2018 21:58
Operator : JU/SJ
Sample : J6347-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SW001-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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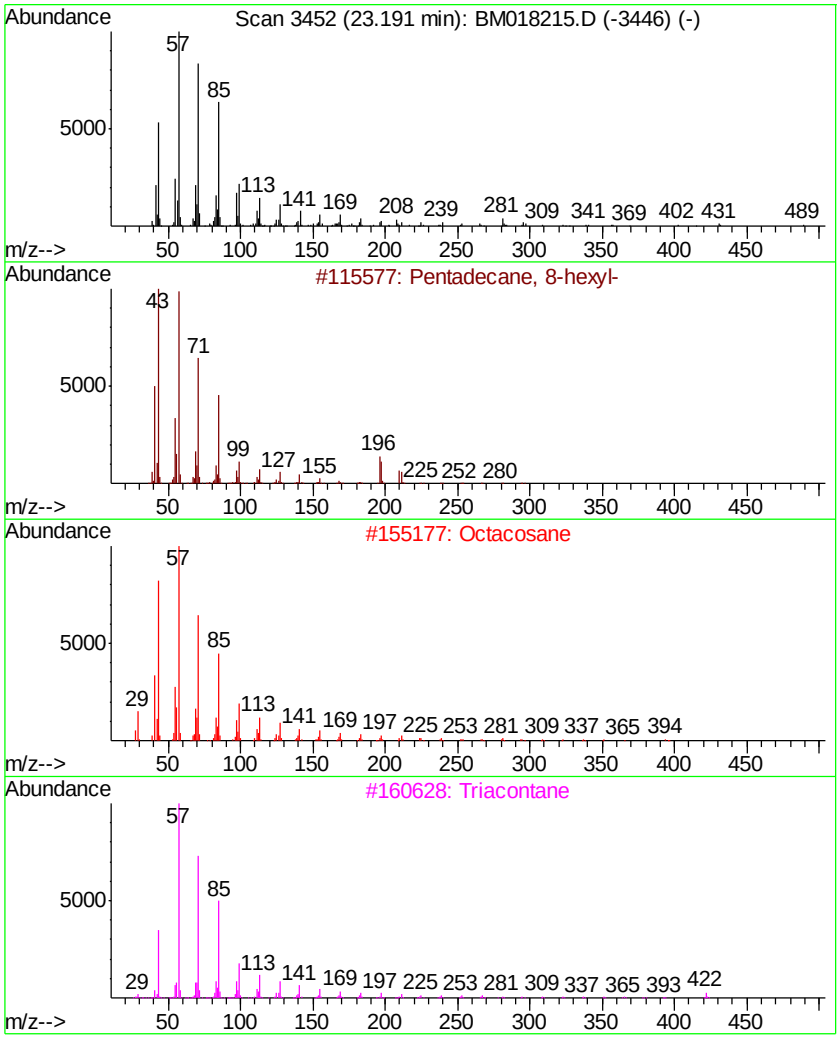
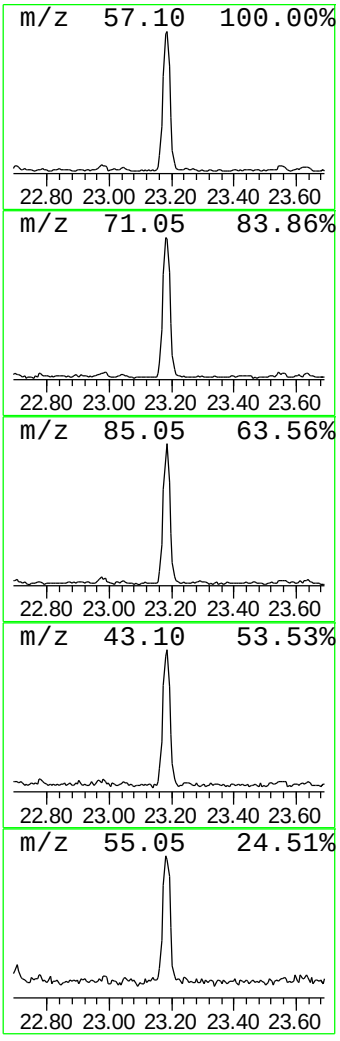
Peak Number 12 Pentadecane, 8-hexyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.19	5.87 ng	591450	Perylene-d12	23.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
2	Octacosane	394	C28H58	000630-02-4	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Tetratriacontane	479	C34H70	014167-59-0	91





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Data File : BM018215.D
Acq On : 15 Dec 2018 21:58
Operator : JU/SJ
Sample : J6347-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SW001-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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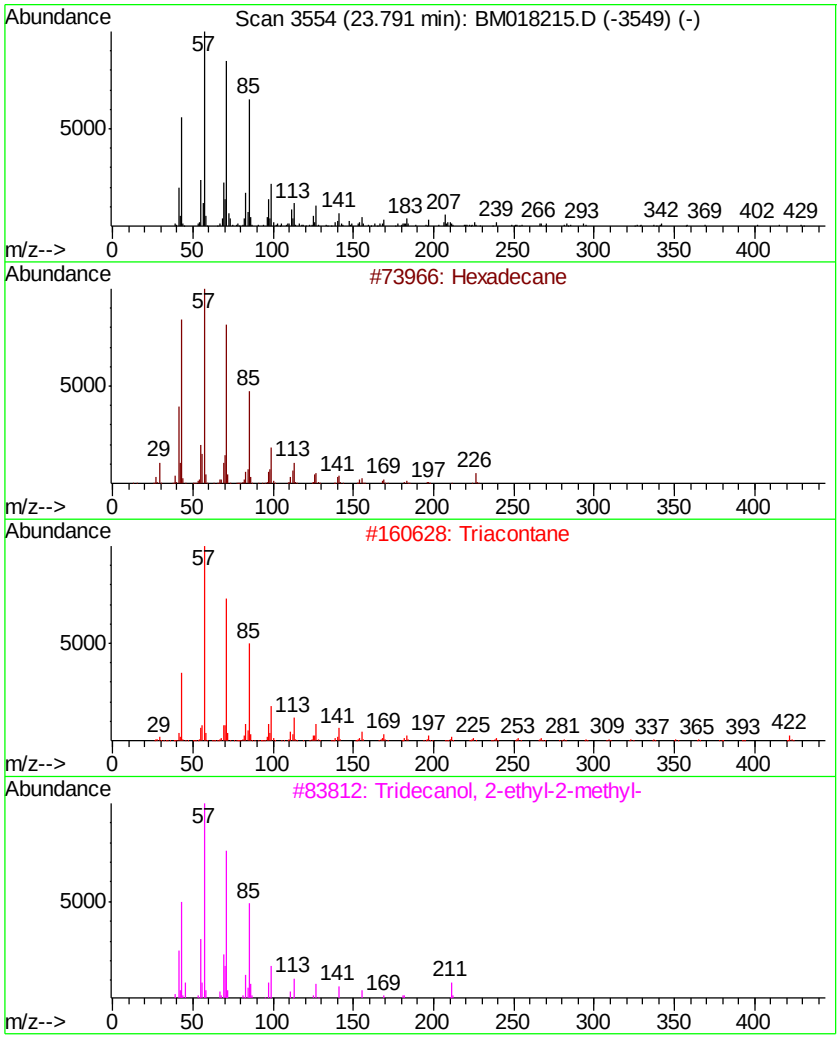
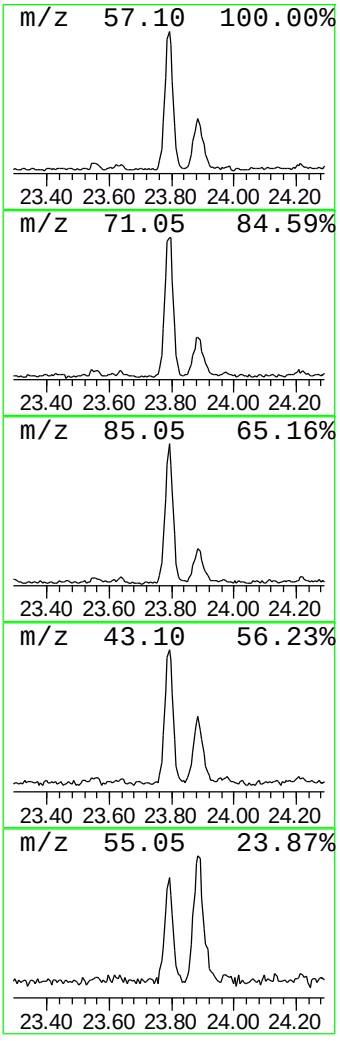
Peak Number 13 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.79	5.11 ng	514794	Perylene-d12	23.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Triacontane	422	C30H62	000638-68-6	91
3	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121518\
Data File : BM018215.D
Acq On : 15 Dec 2018 21:58
Operator : JU/SJ
Sample : J6347-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SW001-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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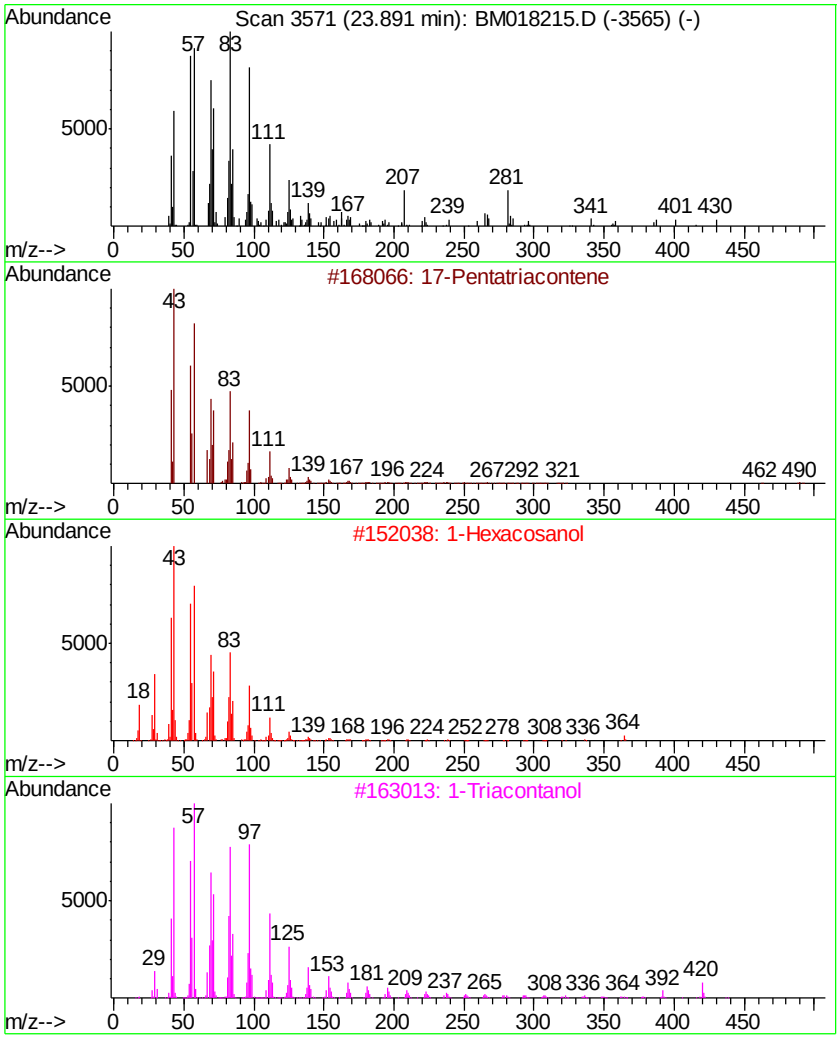
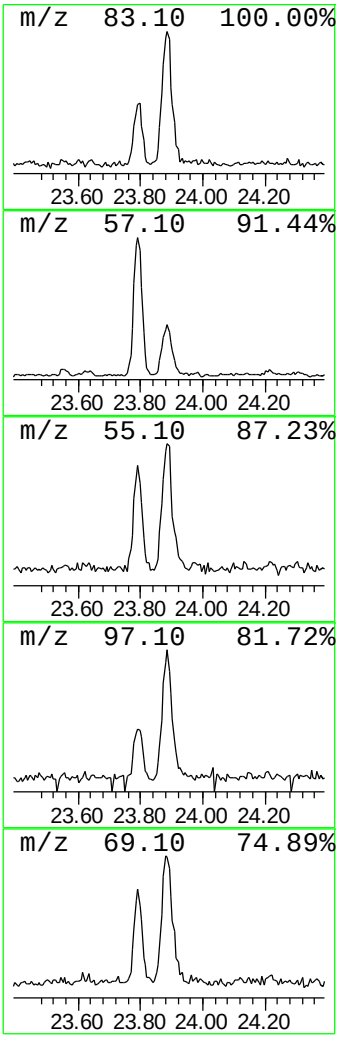
Peak Number 14 17-Pentatriacontene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.89	4.31 ng	434206	Perylene-d12	23.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	91
2	1-Hexacosanol	382	C26H54O	000506-52-5	76
3	1-Triacontanol	438	C30H62O	000593-50-0	64
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	58
5	Thieno[2,3-d]-1,3-thiaselenol-2-...	238	C5H2S3Se	081803-09-0	56





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121518\
Data File : BM018215.D
Acq On : 15 Dec 2018 21:58
Operator : JU/SJ
Sample : J6347-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SW001-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown7.04	7.04	5.0	ng	188942	1	7.50	756593	20.0
1,2-Benzenedicarb...	17.22	3.3	ng	282263	4	16.92	1719250	20.0
n-Hexadecanoic acid	17.83	10.5	ng	899083	4	16.92	1719250	20.0
Octadecanoic acid	19.13	3.7	ng	406335	5	21.14	2174990	20.0
Cyclohexadecane	20.86	11.3	ng	1225100	5	21.14	2174990	20.0
Heptadecane, 2,6,...	21.30	2.2	ng	243218	5	21.14	2174990	20.0
Heneicosane	21.72	4.3	ng	468304	5	21.14	2174990	20.0
Farnesol isomer a	22.29	4.2	ng	420809	6	23.30	2015740	20.0
Pentadecane, 8-he...	23.19	5.9	ng	591450	6	23.30	2015740	20.0
Hexadecane	23.79	5.1	ng	514794	6	23.30	2015740	20.0
17-Pentatriacontene	23.89	4.3	ng	434206	6	23.30	2015740	20.0