LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018920.D
Acq On : 25 Feb 2019 19:12
Operator : JU/SJ
Sample : K1348-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OK-03-022219-A

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-BM021119.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	5.281	367	373	383	rBV	1237273	1903560	15.06%	2.419%
2	6.863	635	642	657	rBV	1242684	2130206	16.85%	2.707%
3	7.222	696	703	712	rBV	1377155	2177754	17.22%	2.768%
4	7.692	776	783	789	rBV	627777	1021092	8.08%	1.298%
5	8.004	830	836	847	rVB	935908	1498938	11.86%	1.905%
6	8.857	974	981	993	rBV	695770	1234559	9.76%	1.569%
7	10.475	1250	1256	1263	rBV	852391	1436728	11.36%	1.826%
8	12.957	1671	1678	1685	rBV	1689194	2504336	19.81%	3.183%
9	14.221	1888	1893	1902	rBV	77610	150046	1.19%	0.191%
10	14.339	1907	1913	1920	rVV2	1253789	2002609	15.84%	2.545%
11	14.404	1920	1924	1931	rVB	87947	144581	1.14%	0.184%
12	15.392	2087	2092	2103	rBV	106334	181054	1.43%	0.230%
13	15.839	2162	2168	2176	rBV	1624982	2369629	18.74%	3.011%
14	16.045	2199	2203	2220	rVB2	121264	276098	2.18%	0.351%
15	16.839	2333	2338	2342	rBV	125829	159162	1.26%	0.202%
16	16.915	2348	2351	2358	rVB	85008	135453	1.07%	0.172%
17	17.092	2375	2381	2385	rBV2	1691701	2498197	19.76%	3.175%
18	17.133	2385	2388	2396	rVV	1276247	1875543	14.83%	2.383%
19	17.227	2399	2404	2409	rVV	241741	344837	2.73%	0.438%
20	17.509	2443	2452	2459	rBV2	105358	238866	1.89%	0.304%
21	17.574	2459	2463	2467	rVV	134413	147766	1.17%	0.188%
22	17.992	2526	2534	2549	rBV	4096862	7150057	56.55%	9.086%
23	18.168	2559	2564	2567	rBV2	216412	329942	2.61%	0.419%
24	18.268	2578	2581	2587	rVB	143703	170172	1.35%	0.216%
25	18.474	2612	2616	2620	rBV	102272	135337	1.07%	0.172%
26	18.521	2621	2624	2630	rVB4	114259	156019	1.23%	0.198%
27	18.909	2683	2690	2693	rBV2	159369	299960	2.37%	0.381%
28	19.156	2724	2732	2739	rBV	2490199	3568920	28.23%	4.535%
29	19.280	2746	2753	2770	rBV	8190549	12643129	100.00%	16.067%
30	19.492	2785	2789	2791	rBV2	462252	640435	5.07%	0.814%
31	19.521	2791	2794	2803	rVB	1880352	2469442	19.53%	3.138%
32	19.727	2824	2829	2834	rVB	3219673	3788353	29.96%	4.814%
33	19.839	2845	2848	2850	rBV	101711	138949	1.10%	0.177%
34	20.021	2876	2879	2884	rVB2	395512	539010	4.26%	0.685%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018920.D
Acq On : 25 Feb 2019 19:12
Operator : JU/SJ
Sample : K1348-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OK-03-022219-A

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-BM021119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	20.121	2892	2896	2899	rBV2	234981	276770	2.19%	0.352%
36	20.527	2962	2965	2969	rVB	168154	174828	1.38%	0.222%
37	20.992	3041	3044	3053	rVB3	432460	726159	5.74%	0.923%
38	21.286	3088	3094	3098	rBV2	2913285	4924916	38.95%	6.259%
39	21.327	3098	3101	3107	rVB	893825	1167851	9.24%	1.484%
40	21.427	3115	3118	3125	rBV2	489106	650842	5.15%	0.827%
41	21.862	3188	3192	3195	rVB	669244	786114	6.22%	0.999%
42	22.321	3266	3270	3280	rBV	1318830	1788813	14.15%	2.273%
43	22.827	3352	3356	3359	rBV	1464161	2101362	16.62%	2.670%
44	23.397	3448	3453	3457	rBV	1377549	2275006	17.99%	2.891%
45	23.439	3457	3460	3466	rVB	648783	1072372	8.48%	1.363%
46	23.539	3472	3477	3483	rBV	1630122	2699765	21.35%	3.431%
47	24.044	3558	3563	3575	rVB	1122685	2222964	17.58%	2.825%
48	24.791	3686	3690	3699	rVB2	662657	1360772	10.76%	1.729%

Sum of corrected areas: 78689273

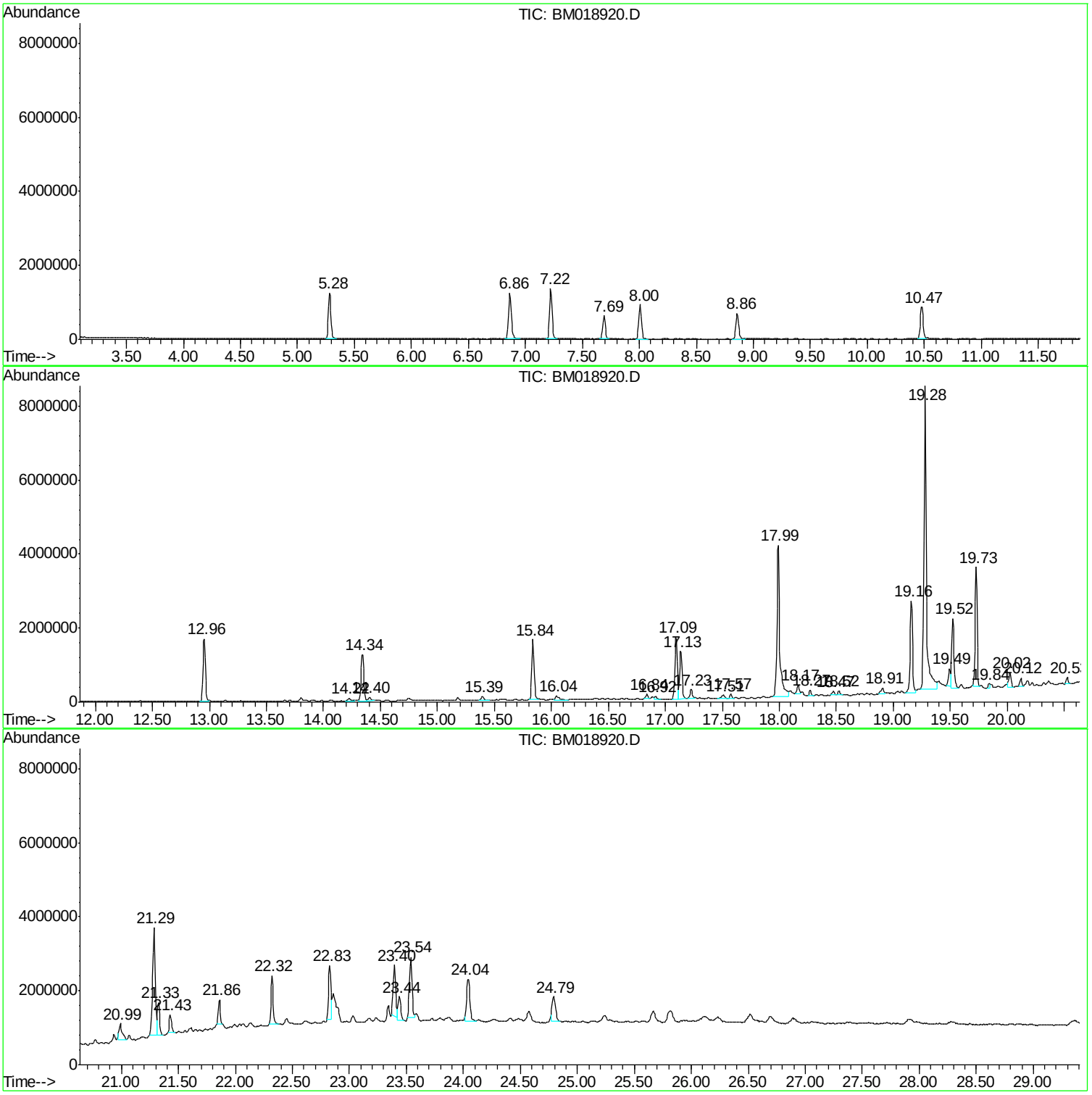
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018920.D
Acq On : 25 Feb 2019 19:12
Operator : JU/SJ
Sample : K1348-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OK-03-022219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.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\BM022519\
Data File : BM018920.D
Acq On : 25 Feb 2019 19:12
Operator : JU/SJ
Sample : K1348-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OK-03-022219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

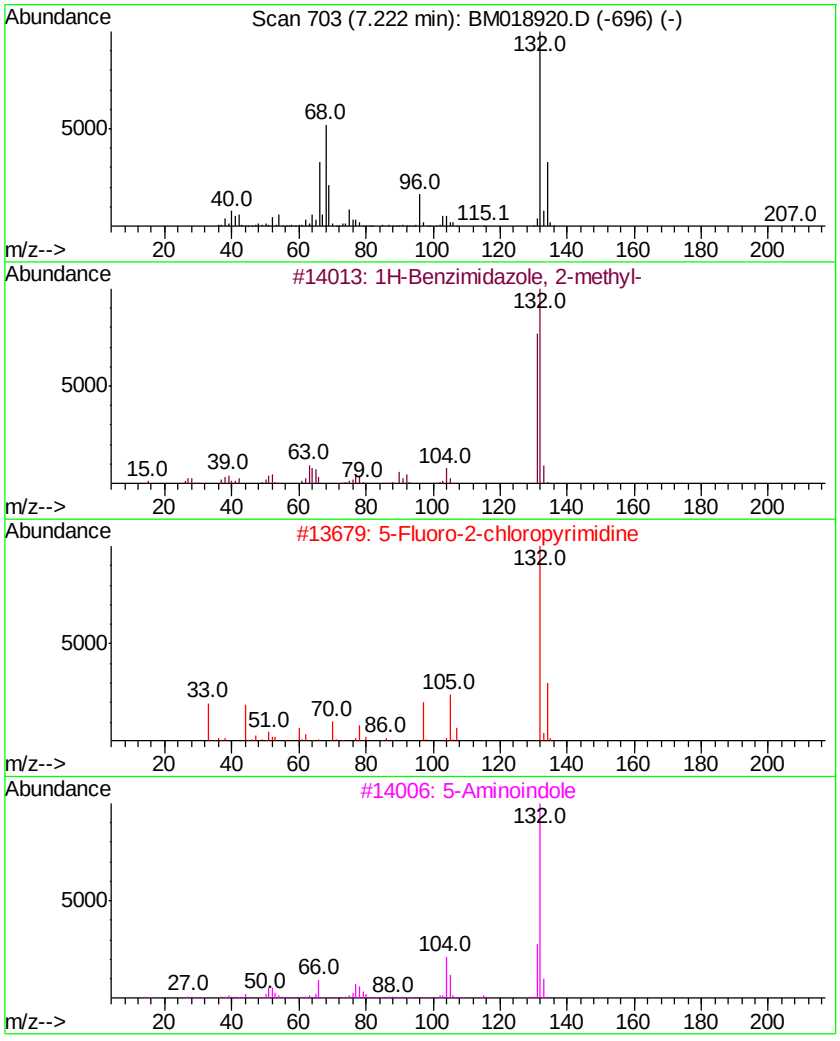
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

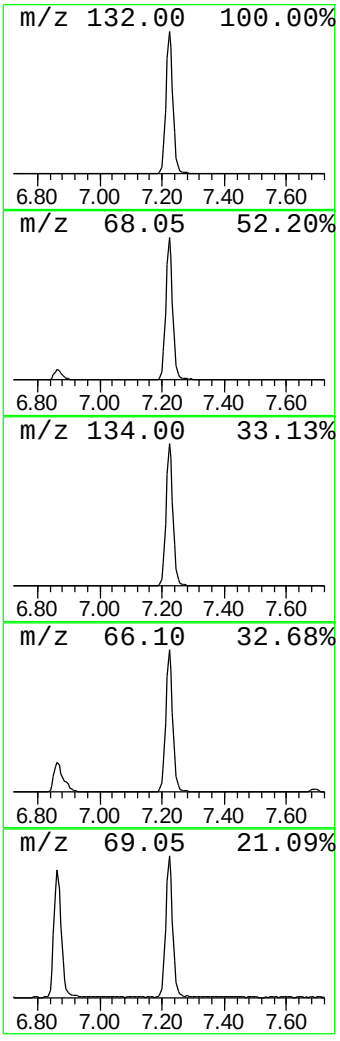
****

Peak Number 1 unknown7.22 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	42.66 ng	2177750	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	11
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018920.D
Acq On : 25 Feb 2019 19:12
Operator : JU/SJ
Sample : K1348-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OK-03-022219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

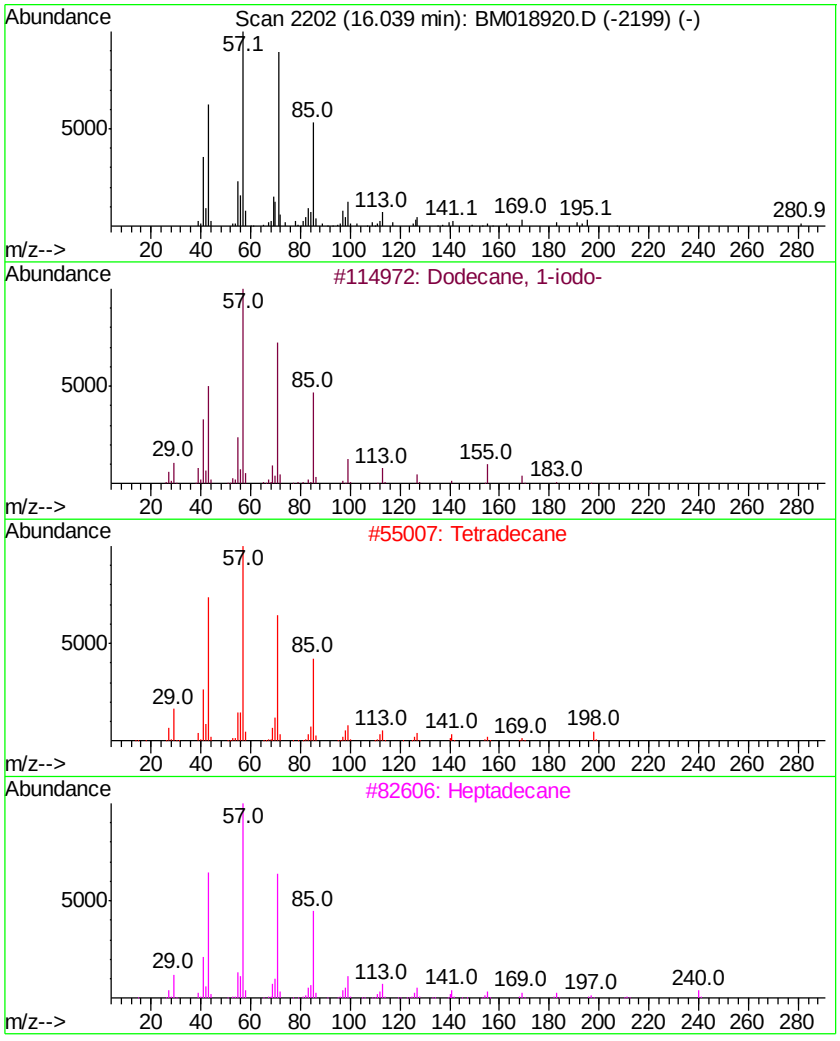
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

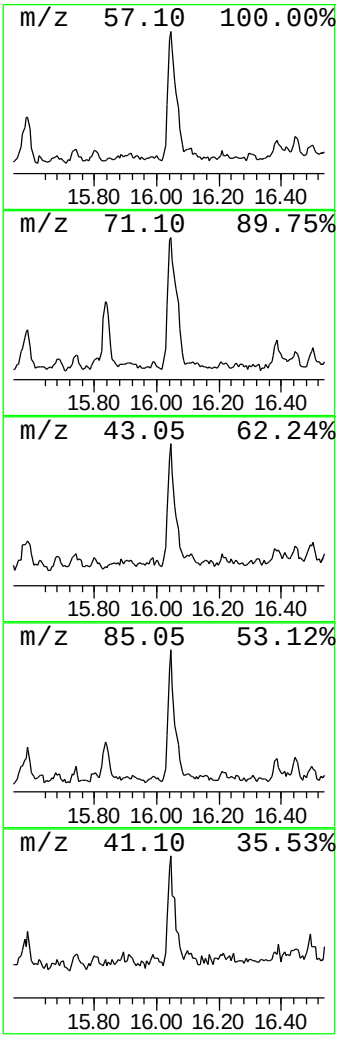
****

Peak Number 3 Dodecane, 1-iodo- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.21 ng	276098	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
2	Tetradecane	198	C14H30	000629-59-4	86
3	Heptadecane	240	C17H36	000629-78-7	86
4	Tridecane	184	C13H28	000629-50-5	83
5	Nonadecane	268	C19H40	000629-92-5	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018920.D
Acq On : 25 Feb 2019 19:12
Operator : JU/SJ
Sample : K1348-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OK-03-022219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

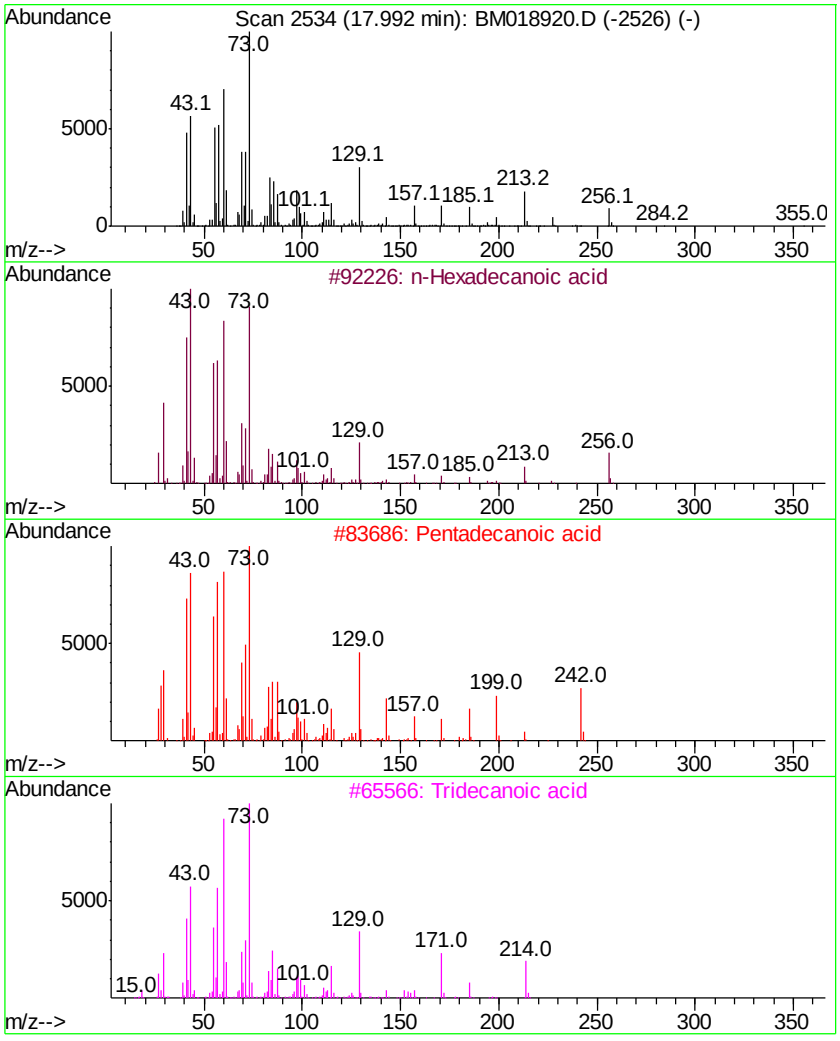
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

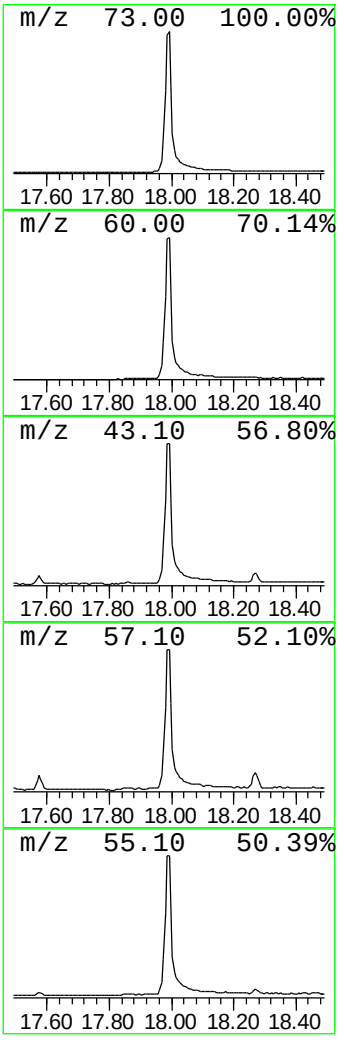
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	57.24 ng	7150060	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	80
3	Tridecanoic acid	214	C13H26O2	000638-53-9	64
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
5	n-Decanoic acid	172	C10H20O2	000334-48-5	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018920.D
Acq On : 25 Feb 2019 19:12
Operator : JU/SJ
Sample : K1348-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OK-03-022219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

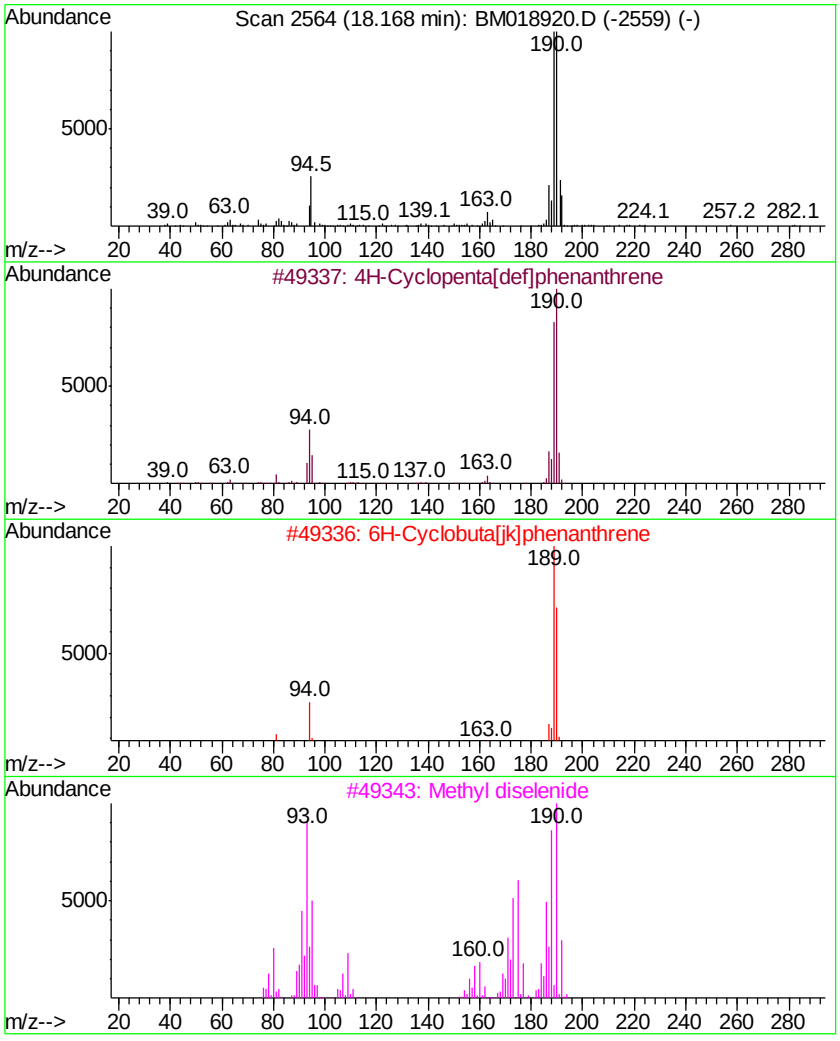
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

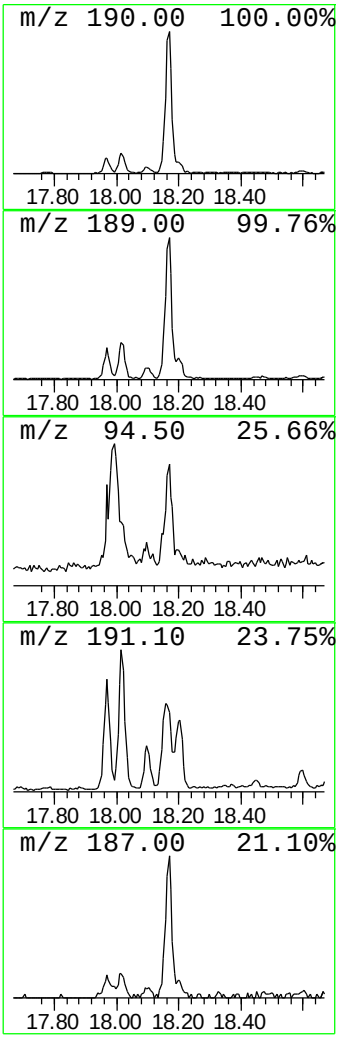
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	2.64 ng	329942	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018920.D
Acq On : 25 Feb 2019 19:12
Operator : JU/SJ
Sample : K1348-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OK-03-022219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

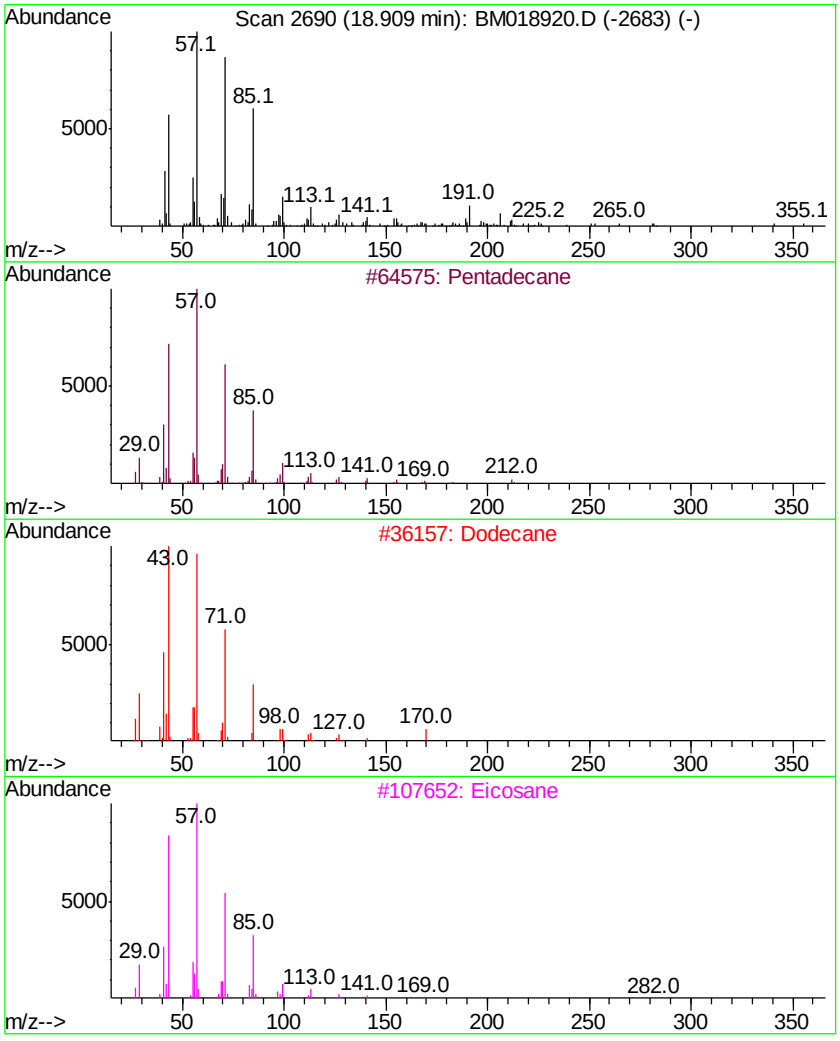
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

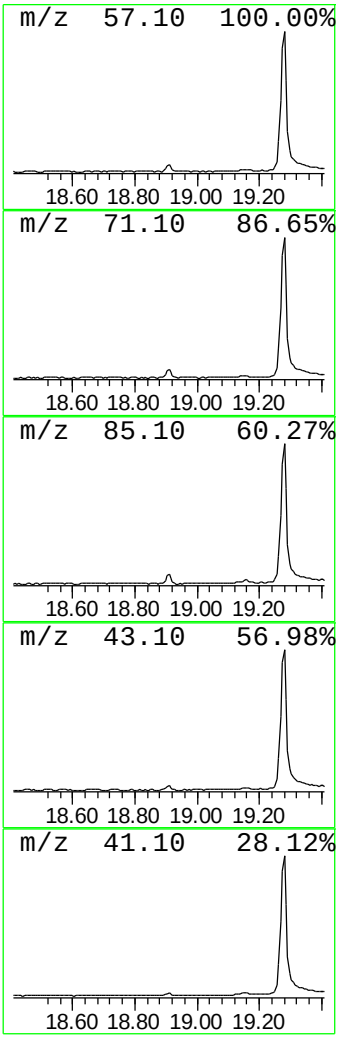
****

Peak Number 6 Pentadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	2.40 ng	299960	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	89
2	Dodecane	170	C12H26	000112-40-3	87
3	Eicosane	282	C20H42	000112-95-8	83
4	Tetradecane	198	C14H30	000629-59-4	83
5	Heptadecane	240	C17H36	000629-78-7	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018920.D
Acq On : 25 Feb 2019 19:12
Operator : JU/SJ
Sample : K1348-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OK-03-022219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

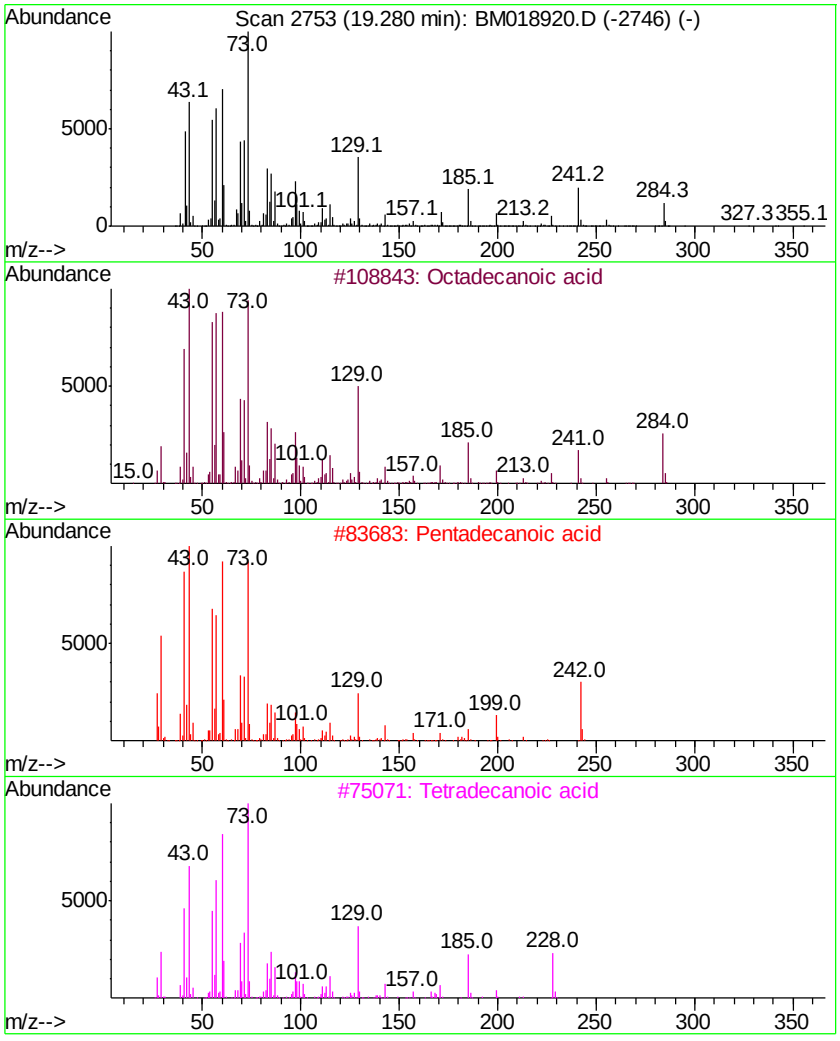
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

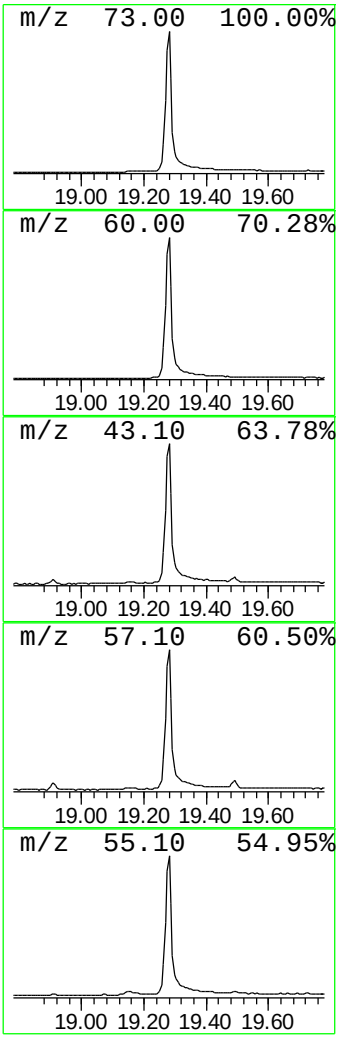
****

Peak Number 7 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	51.34 ng	12643100	Chrysene-d12	21.29

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	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	53
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018920.D
Acq On : 25 Feb 2019 19:12
Operator : JU/SJ
Sample : K1348-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OK-03-022219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

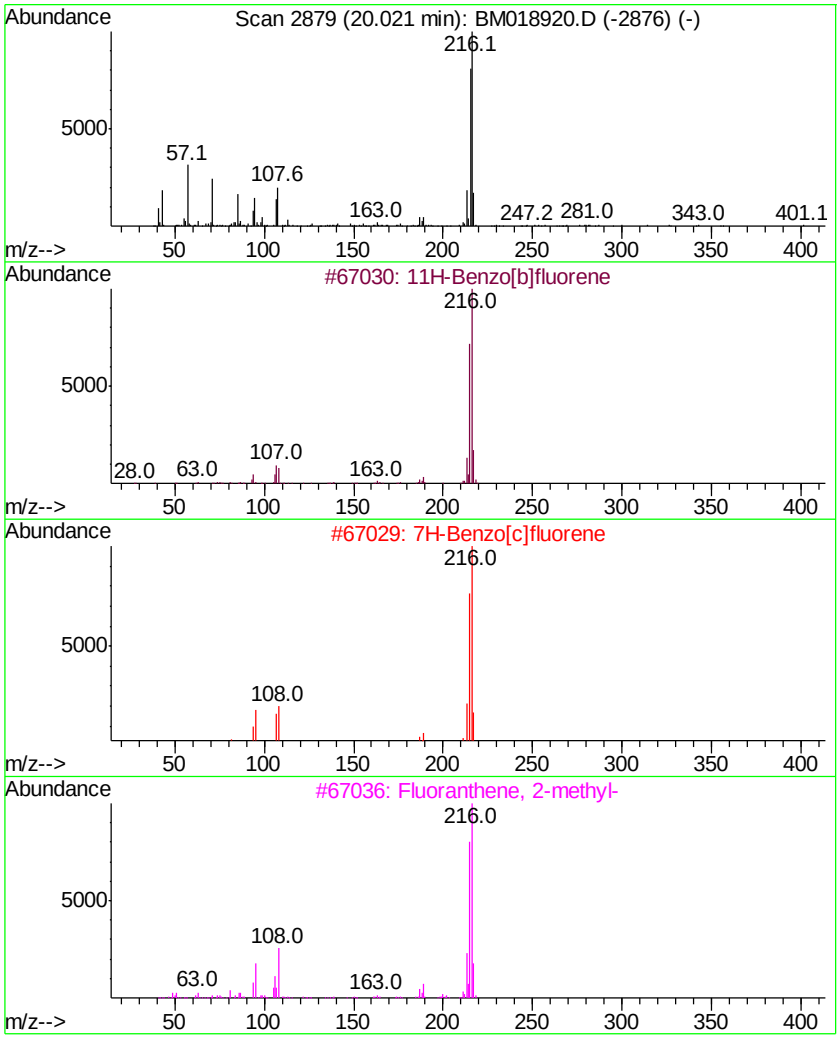
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

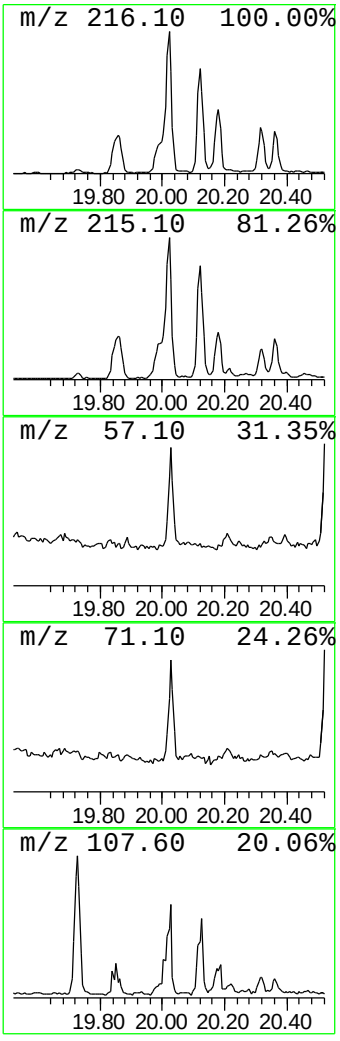
****

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	2.19 ng	539010	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018920.D
Acq On : 25 Feb 2019 19:12
Operator : JU/SJ
Sample : K1348-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OK-03-022219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

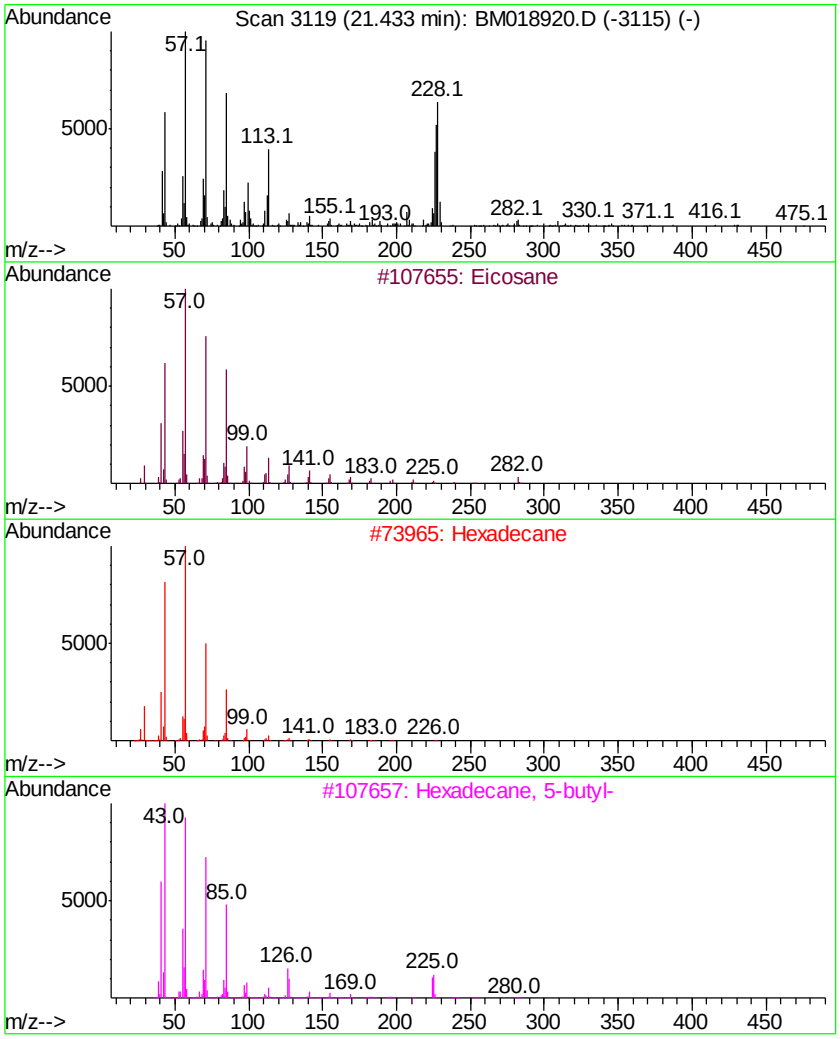
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

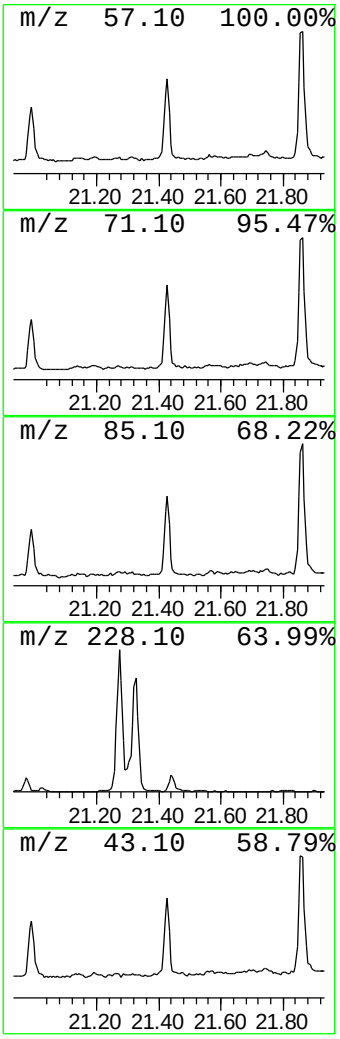
****

Peak Number 10 Eicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	2.64 ng	650842	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Hexadecane	226	C16H34	000544-76-3	91
3	Hexadecane, 5-butyl-	282	C20H42	006912-07-8	81
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	81
5	Tetradecane	198	C14H30	000629-59-4	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018920.D
Acq On : 25 Feb 2019 19:12
Operator : JU/SJ
Sample : K1348-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OK-03-022219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

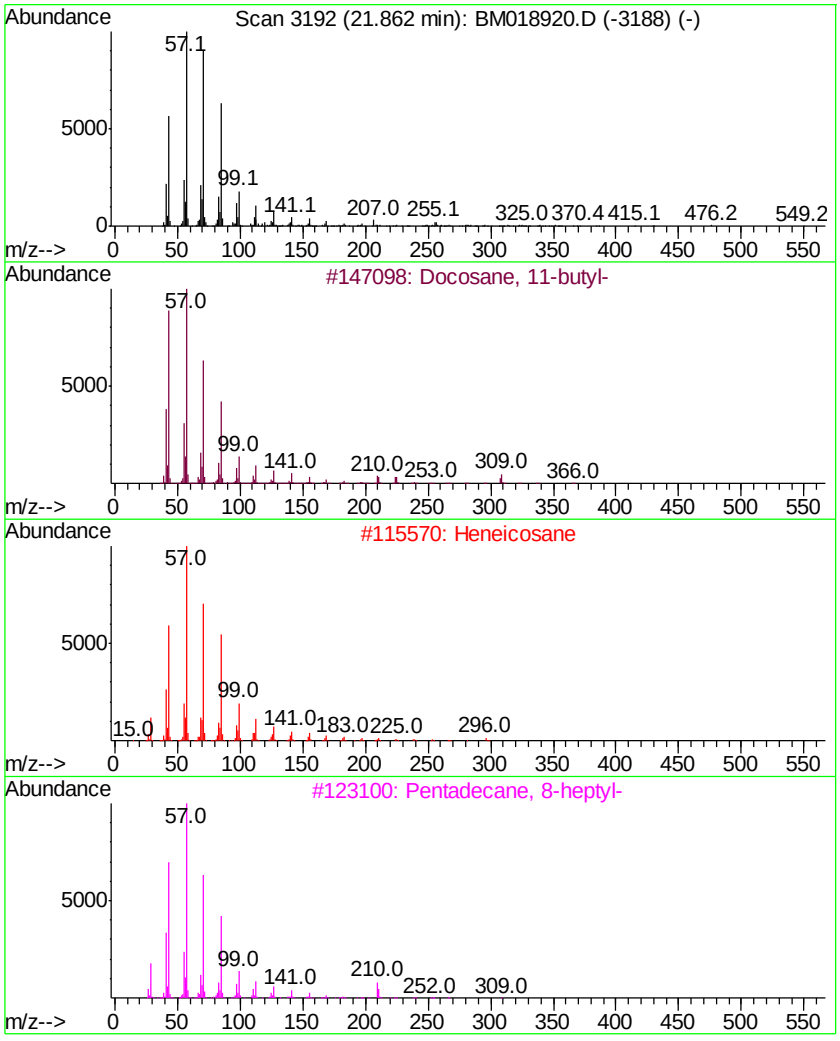
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

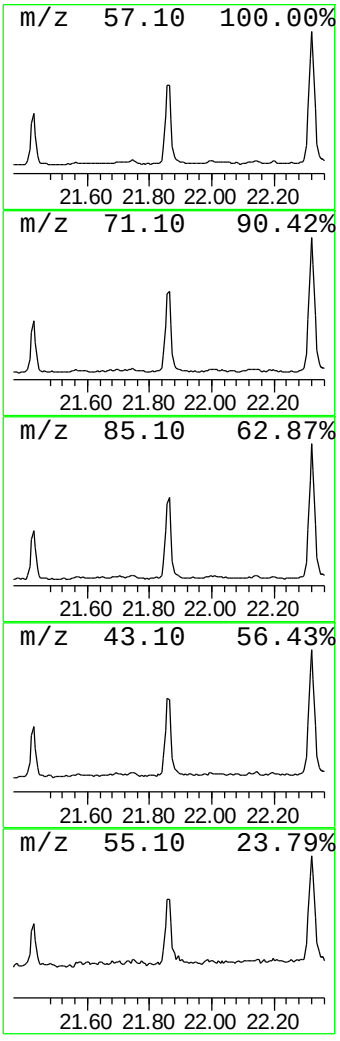
****

Peak Number 11 Docosane, 11-butyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.86	3.19 ng	786114	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 11-butyl-	366	C26H54	013475-76-8	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
5	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018920.D
Acq On : 25 Feb 2019 19:12
Operator : JU/SJ
Sample : K1348-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OK-03-022219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

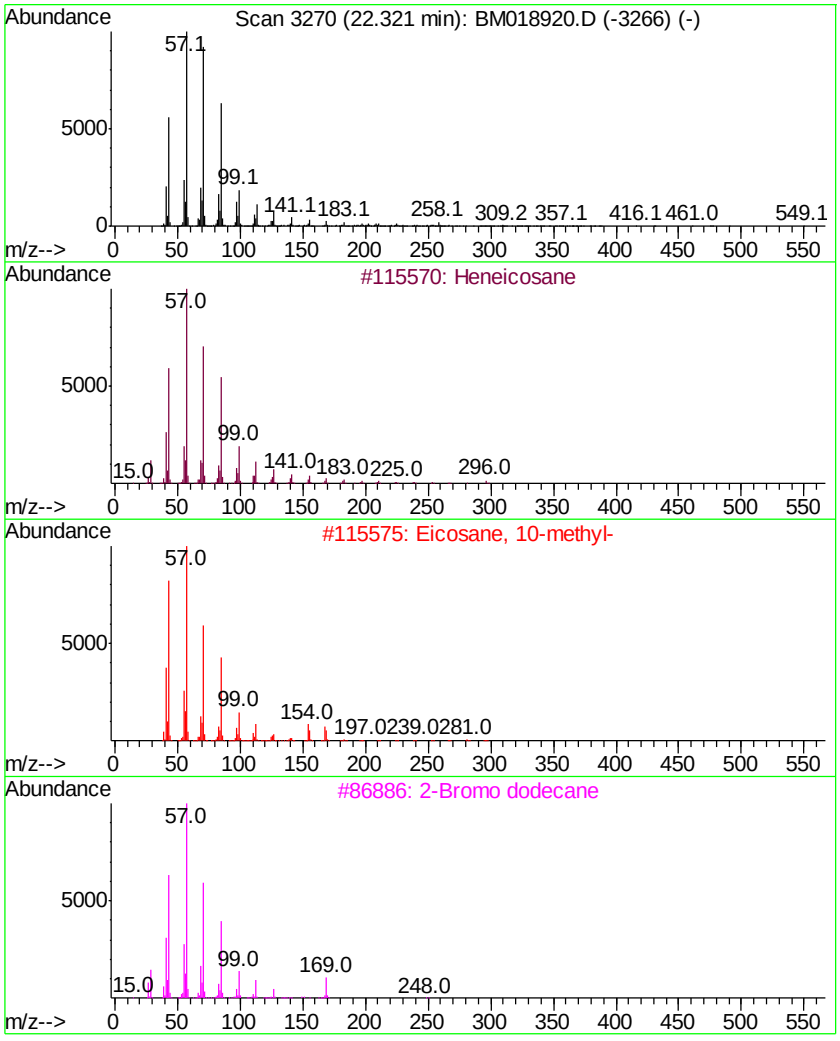
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

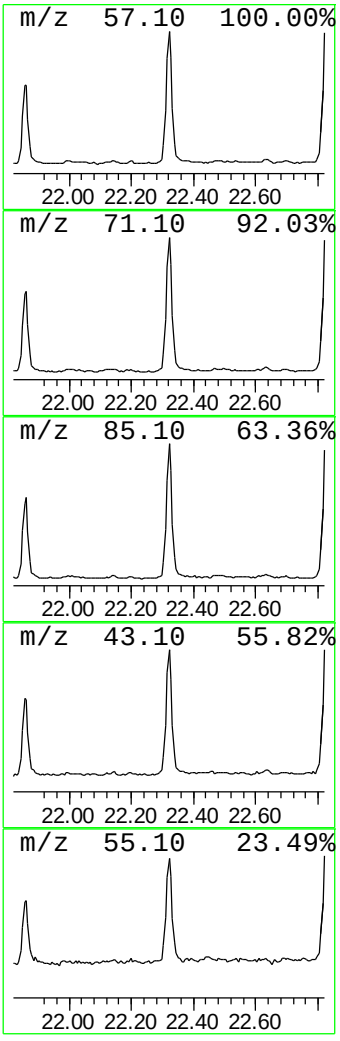
****

Peak Number 12 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.32	7.26 ng	1788810	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
4	Tetracosane	338	C24H50	000646-31-1	90
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018920.D
Acq On : 25 Feb 2019 19:12
Operator : JU/SJ
Sample : K1348-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OK-03-022219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

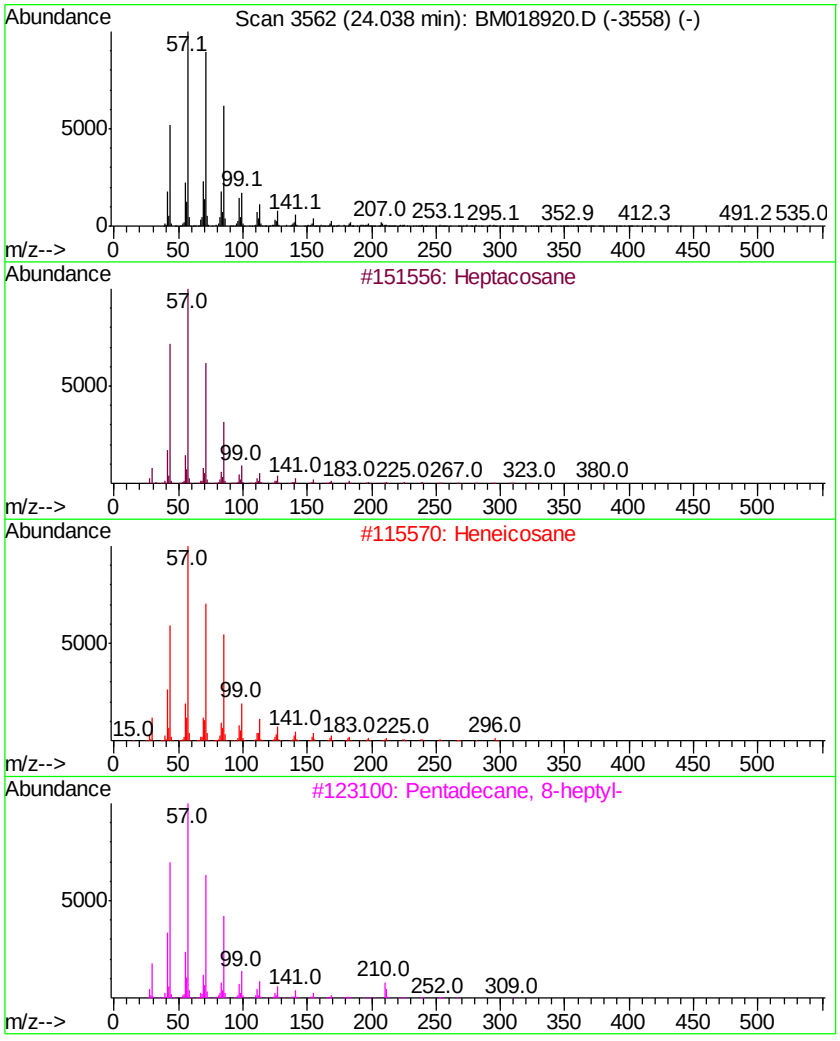
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

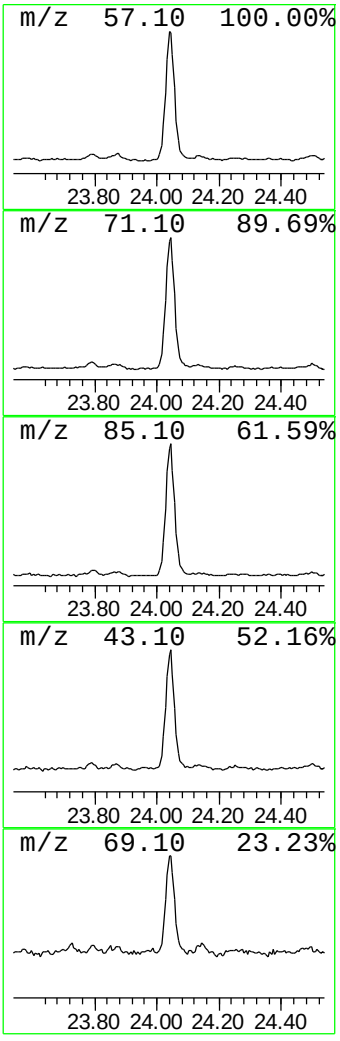
****

Peak Number 13 Heptacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.04	16.47 ng	2222960	Perylene-d12	23.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	97
2	Heneicosane	296	C21H44	000629-94-7	91
3	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	90
4	Octadecane	254	C18H38	000593-45-3	87
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022519\
Data File : BM018920.D
Acq On : 25 Feb 2019 19:12
Operator : JU/SJ
Sample : K1348-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OK-03-022219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.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
unknown7.22	7.22	42.7	ng	2177750	1	7.69	1021090	20.0
Dodecane, 1-iodo-	16.04	2.2	ng	276098	4	17.09	2498200	20.0
n-Hexadecanoic acid	17.99	57.2	ng	7150060	4	17.09	2498200	20.0
4H-Cyclopenta[def...	18.17	2.6	ng	329942	4	17.09	2498200	20.0
Pentadecane	18.91	2.4	ng	299960	4	17.09	2498200	20.0
Octadecanoic acid	19.28	51.3	ng	12643100	5	21.29	4924920	20.0
11H-Benzo[b]fluorene	20.02	2.2	ng	539010	5	21.29	4924920	20.0
Eicosane	21.43	2.6	ng	650842	5	21.29	4924920	20.0
Docosane, 11-butyl-	21.86	3.2	ng	786114	5	21.29	4924920	20.0
Heneicosane	22.32	7.3	ng	1788810	5	21.29	4924920	20.0
Heptacosane	24.04	16.5	ng	2222960	6	23.54	2699770	20.0