LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
Data File : BM022221.D
Acq On : 21 Aug 2019 10:12
Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

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-BM082019.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	5.181	367	373	391	rBV	941965	1337642	37.38%	5.730%
2	6.763	635	642	657	rBV	995303	1542417	43.11%	6.607%
3	7.104	693	700	714	rBV	1064713	1614324	45.12%	6.915%
4	7.569	773	779	785	rBB	149658	231341	6.47%	0.991%
5	7.881	825	832	841	rBV	783693	1198309	33.49%	5.133%
6	8.739	971	978	994	rBV	574937	963782	26.94%	4.128%
7	10.345	1244	1251	1265	rBV	154057	286586	8.01%	1.228%
8	12.833	1667	1674	1691	rBV	1536488	2201200	61.52%	9.429%
9	13.698	1816	1821	1834	rBB	118160	166728	4.66%	0.714%
10	14.221	1905	1910	1917	rBV	269017	404221	11.30%	1.731%
11	14.292	1917	1922	1928	rVB	34034	48255	1.35%	0.207%
12	15.286	2086	2091	2100	rBB	35991	48586	1.36%	0.208%
13	15.733	2160	2167	2179	rBV	1815909	2320468	64.85%	9.940%
14	16.986	2374	2380	2383	rBV	359639	489497	13.68%	2.097%
15	17.027	2383	2387	2394	rVB	463402	619856	17.32%	2.655%
16	17.121	2398	2403	2409	rBV	117872	173785	4.86%	0.744%
17	17.409	2443	2452	2458	rBV2	19589	41299	1.15%	0.177%
18	17.886	2524	2533	2535	rBV2	165461	293313	8.20%	1.256%
19	17.909	2535	2537	2543	rVV	86341	110023	3.07%	0.471%
20	17.992	2547	2551	2556	rVV	25957	44409	1.24%	0.190%
21	18.056	2556	2562	2566	rVV2	82372	143500	4.01%	0.615%
22	18.092	2566	2568	2575	rVB	33178	44081	1.23%	0.189%
23	18.368	2610	2615	2619	rBV	38718	54076	1.51%	0.232%
24	18.786	2681	2686	2691	rBV2	33074	56121	1.57%	0.240%
25	19.056	2724	2732	2740	rBV	660948	860372	24.05%	3.685%
26	19.168	2746	2751	2758	rBV4	71337	106332	2.97%	0.455%
27	19.392	2784	2789	2790	rBV	133495	162261	4.53%	0.695%
28	19.421	2790	2794	2802	rVV	465357	649445	18.15%	2.782%
29	19.492	2803	2806	2813	rVB	32006	47947	1.34%	0.205%
30	19.627	2821	2829	2834	rBV	3071479	3578145	100.00%	15.327%
31	19.921	2875	2879	2885	rVB	83614	114793	3.21%	0.492%
32	20.021	2892	2896	2900	rBV	60924	76362	2.13%	0.327%
33	20.074	2900	2905	2909	rVV2	34197	56964	1.59%	0.244%
34	20.839	3032	3035	3038	rBV	32599	38573	1.08%	0.165%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
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Acq On : 21 Aug 2019 10:12
Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

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-BM082019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	20.903	3038	3046	3054	rVV5	149482	312411	8.73%	1.338%
36	21.191	3087	3095	3099	rBV2	508679	952061	26.61%	4.078%
37	21.233	3099	3102	3107	rVB	208671	254334	7.11%	1.089%
38	21.344	3115	3121	3125	rBV2	59919	99887	2.79%	0.428%
39	21.750	3185	3190	3194	rBV2	67127	94947	2.65%	0.407%
40	22.203	3263	3267	3270	rBV	81555	103115	2.88%	0.442%
41	22.327	3285	3288	3291	rVB	51449	56213	1.57%	0.241%
42	22.691	3346	3350	3353	rBV	91709	116095	3.24%	0.497%
43	22.738	3353	3358	3363	rBV	121095	256159	7.16%	1.097%
44	23.197	3433	3436	3439	rBV	49927	75287	2.10%	0.322%
45	23.238	3440	3443	3447	rVB	85676	112736	3.15%	0.483%
46	23.297	3448	3453	3460	rVB	119193	212435	5.94%	0.910%
47	23.391	3463	3469	3474	rBV	251254	457787	12.79%	1.961%
48	23.850	3544	3547	3553	rVB	70026	116787	3.26%	0.500%

Sum of corrected areas: 23345267

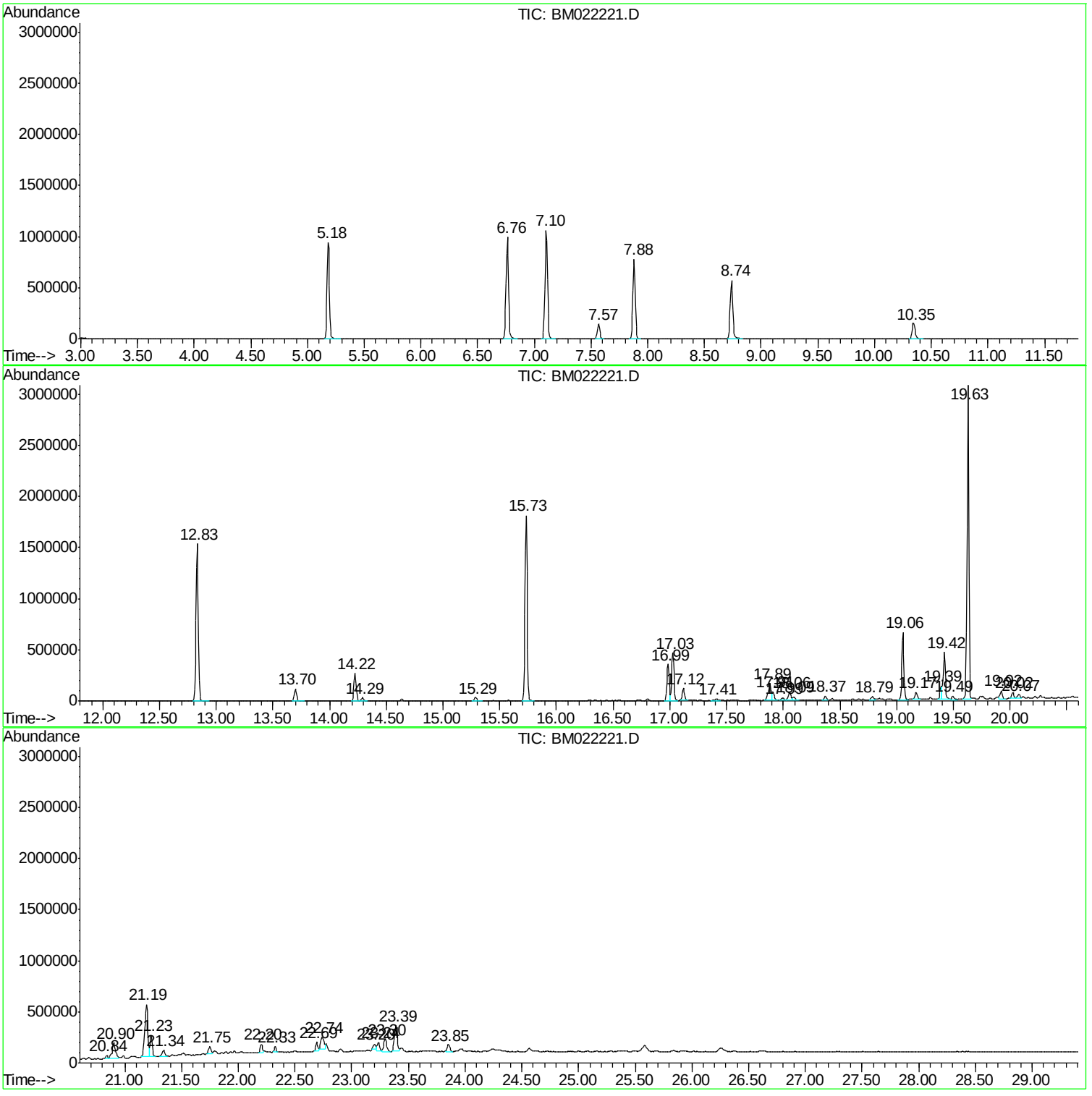
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
Data File : BM022221.D
Acq On : 21 Aug 2019 10:12
Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.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\BM082119\
Data File : BM022221.D
Acq On : 21 Aug 2019 10:12
Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

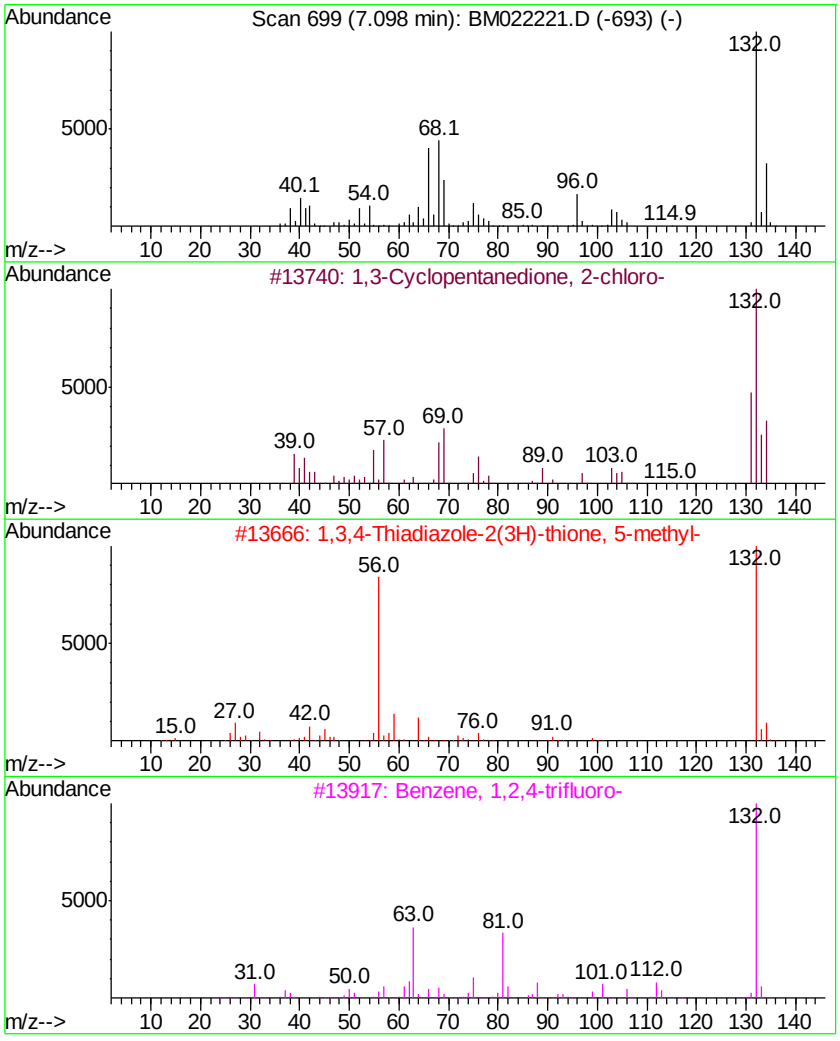
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

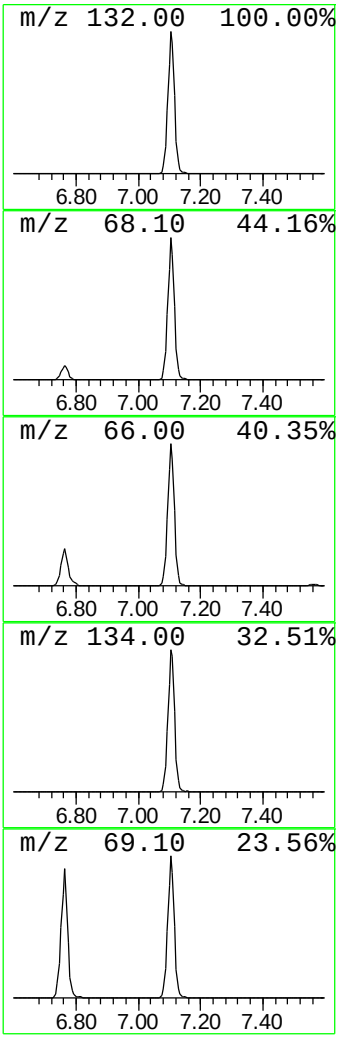
****

Peak Number 1 unknown7.10 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	139.56 ng	1614320	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	32
2	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	27
3	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	22
4	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
5	3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	16





Library Search Compound Report

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Data File : BM022221.D
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Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.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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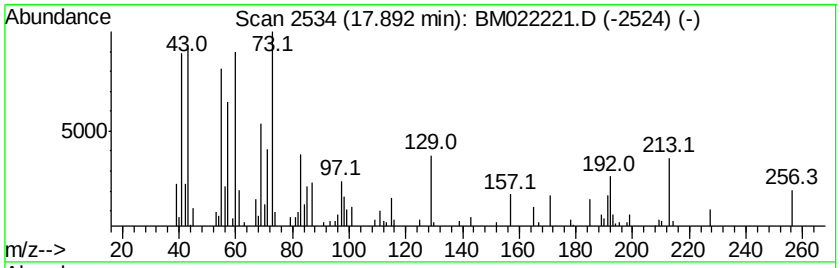
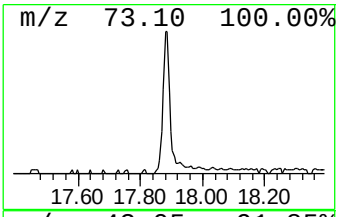
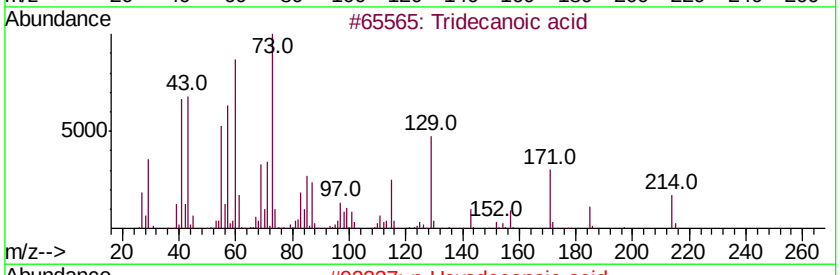
Peak Number 3 Tridecanoic acid Concentration Rank 3

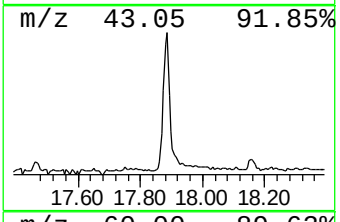
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	11.98 ng	293313	Phenanthrene-d10	16.99

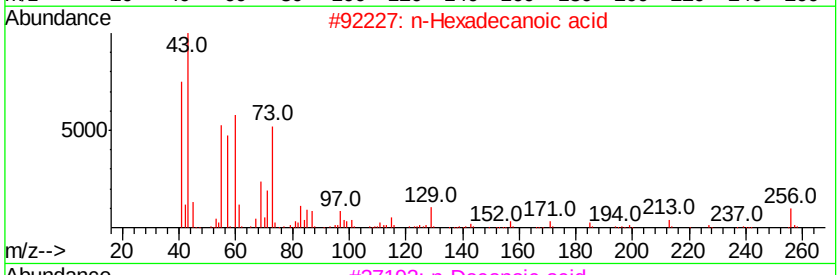
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	97
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	n-Decanoic acid	172	C10H20O2	000334-48-5	64
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Undecanoic acid	186	C11H22O2	000112-37-8	59

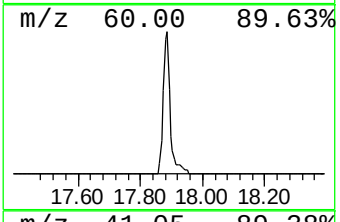


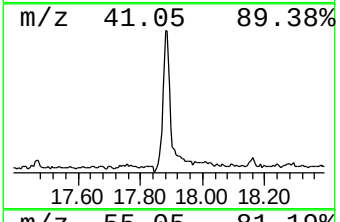


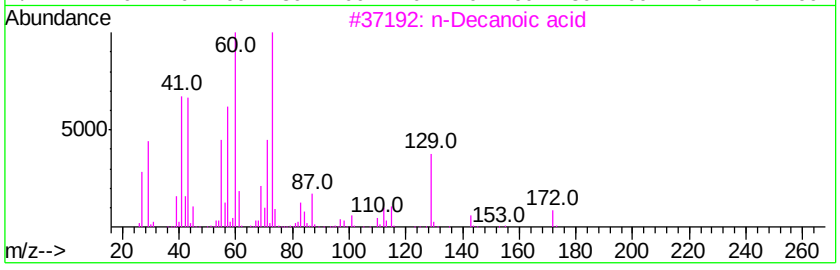


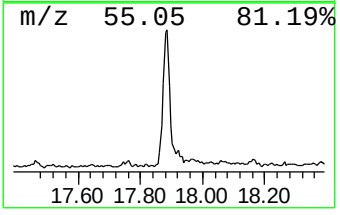












Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
Data File : BM022221.D
Acq On : 21 Aug 2019 10:12
Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

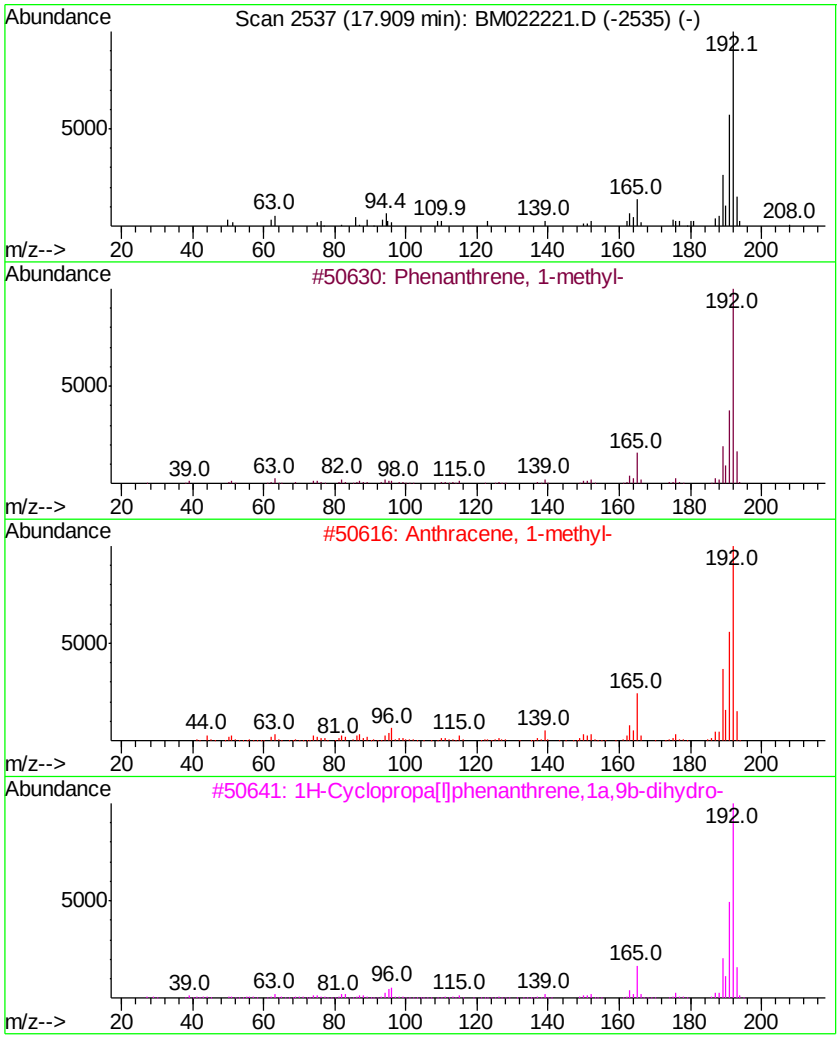
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

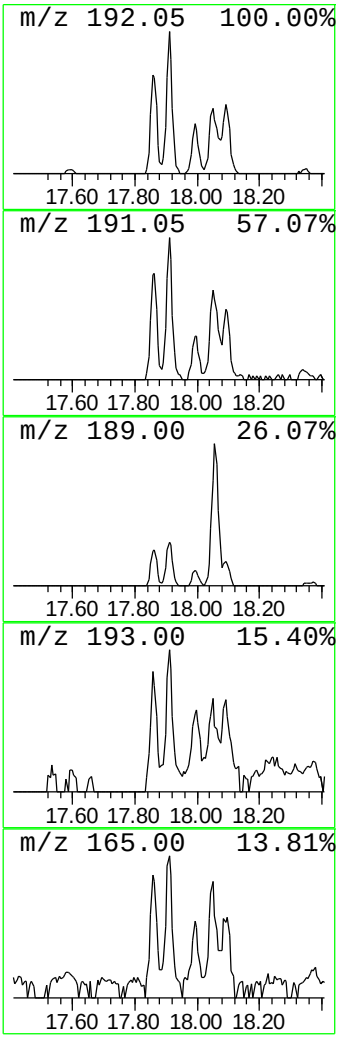
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	4.50 ng	110023	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
Data File : BM022221.D
Acq On : 21 Aug 2019 10:12
Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

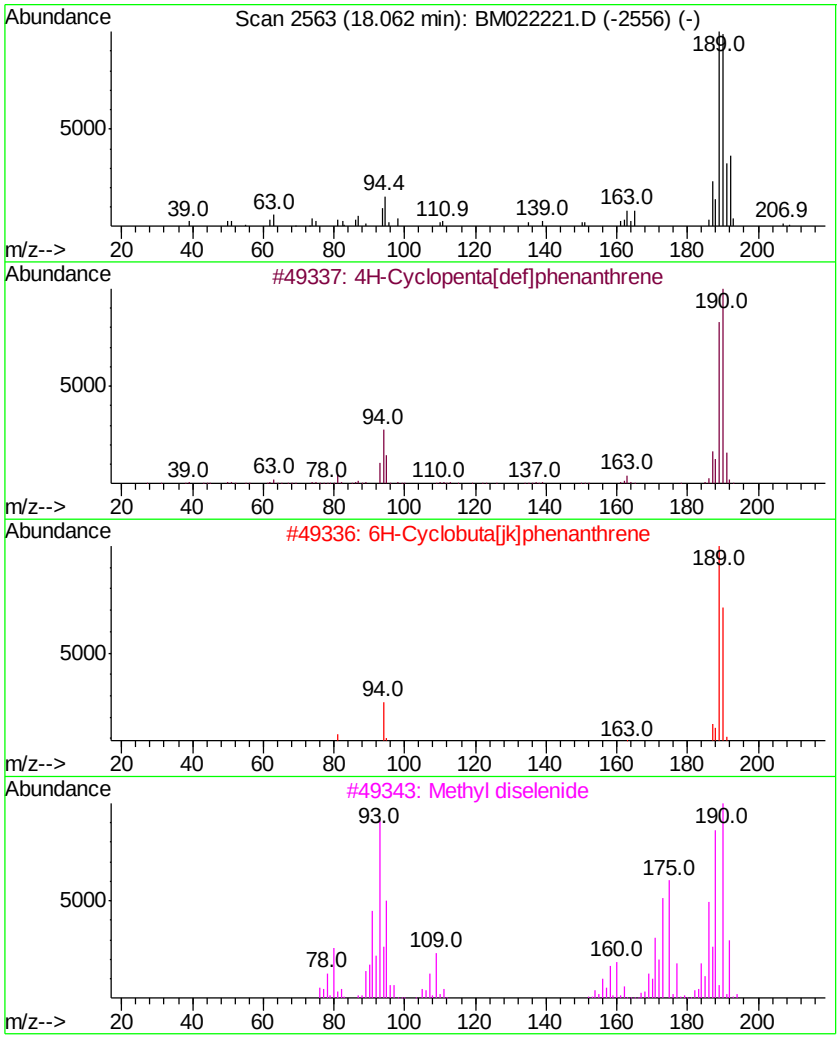
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

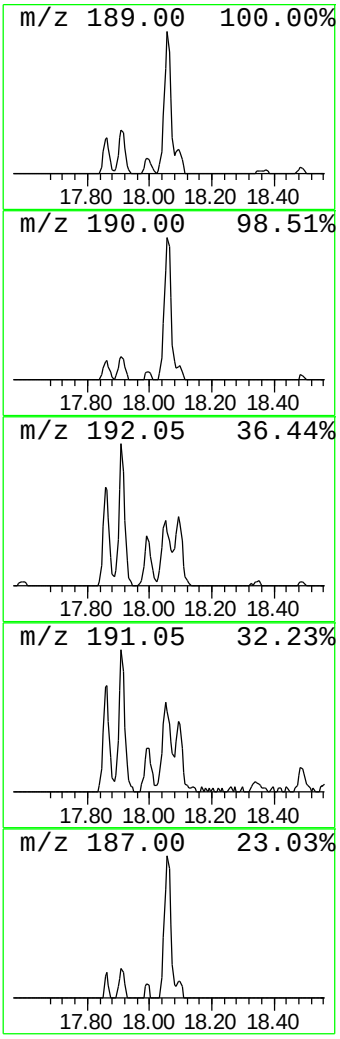
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	5.86 ng	143500	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36





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Data File : BM022221.D
Acq On : 21 Aug 2019 10:12
Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

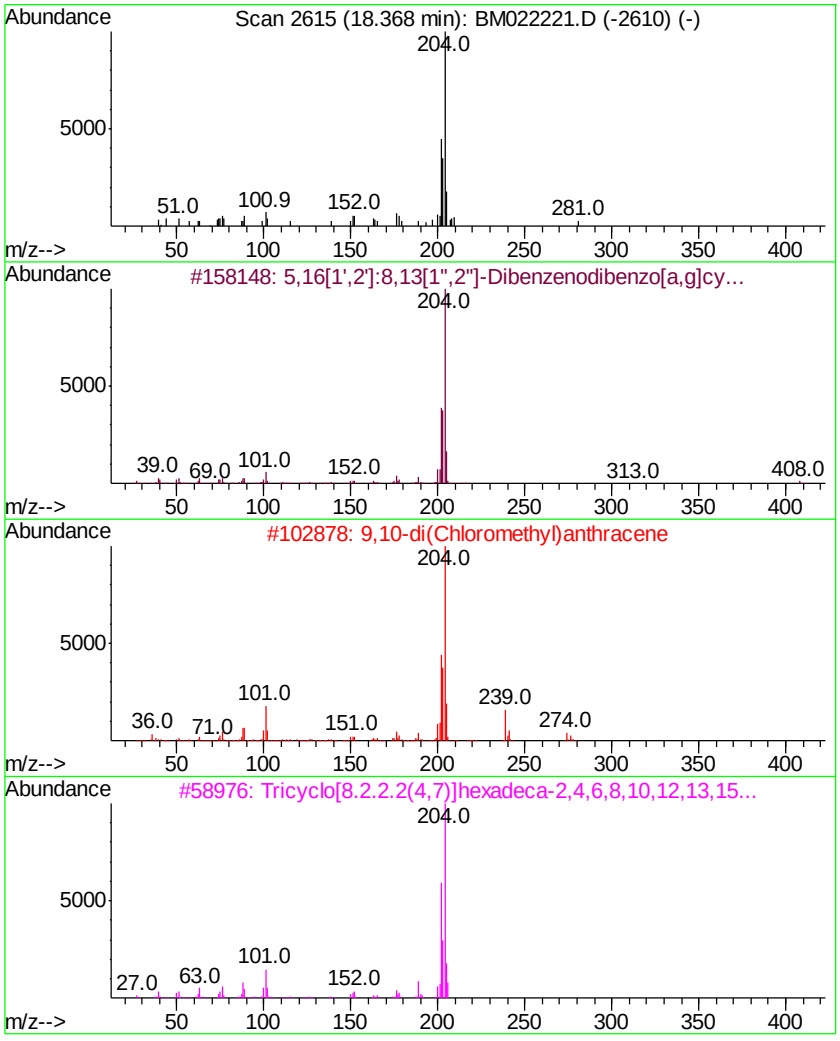
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

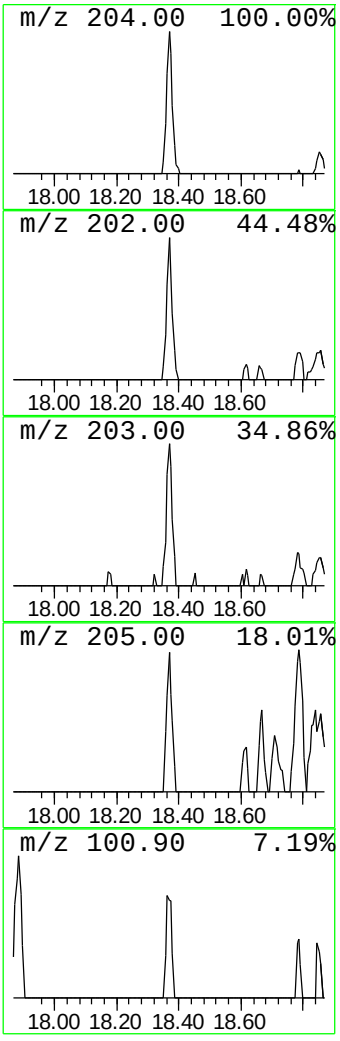
****

Peak Number 6 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	2.21 ng	54076	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	56
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
Data File : BM022221.D
Acq On : 21 Aug 2019 10:12
Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.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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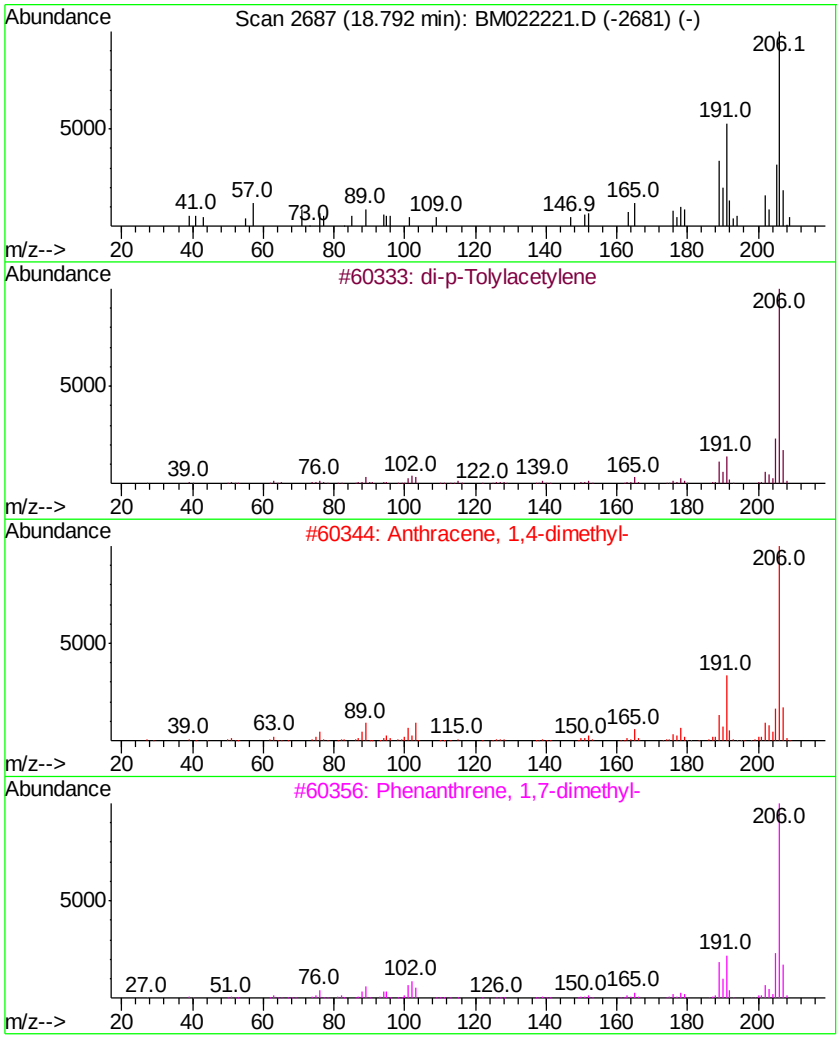
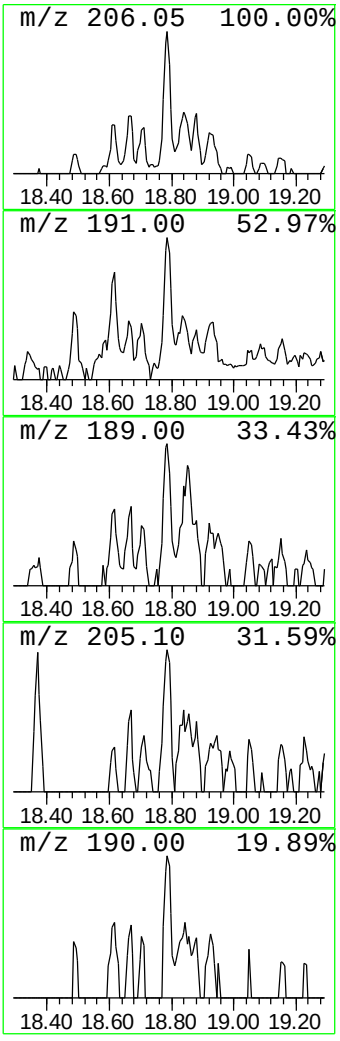
Peak Number 7 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	2.29 ng	56121	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
Data File : BM022221.D
Acq On : 21 Aug 2019 10:12
Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

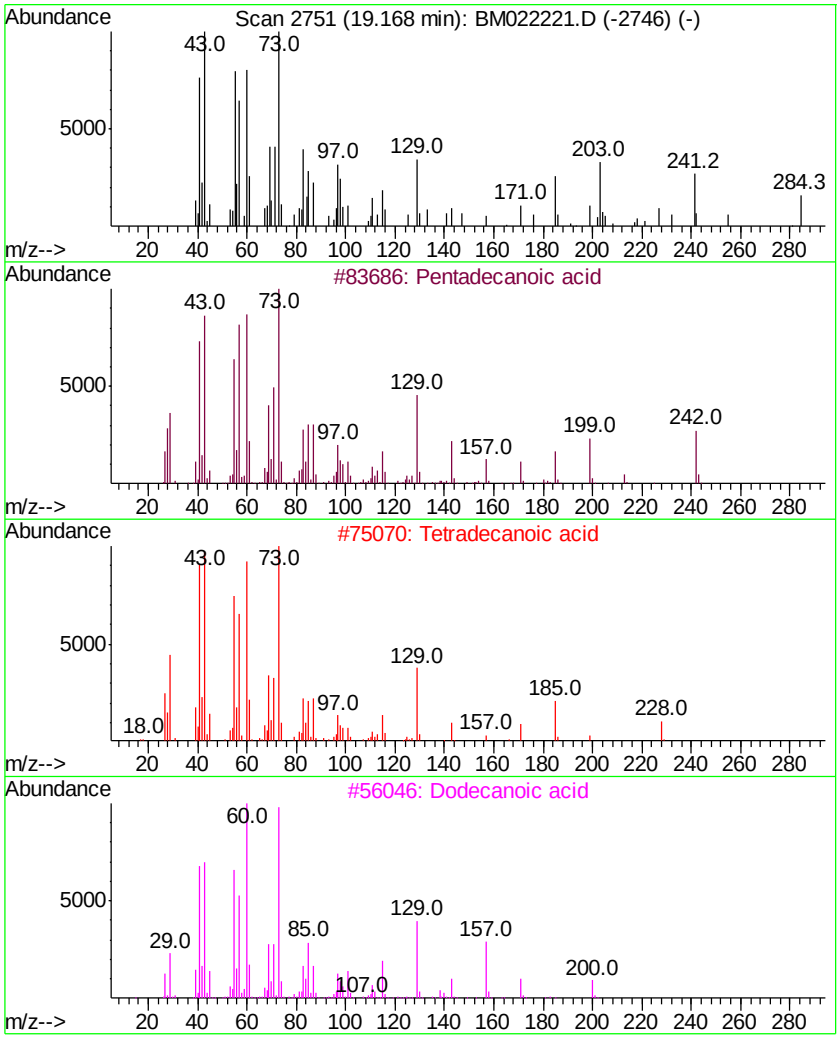
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

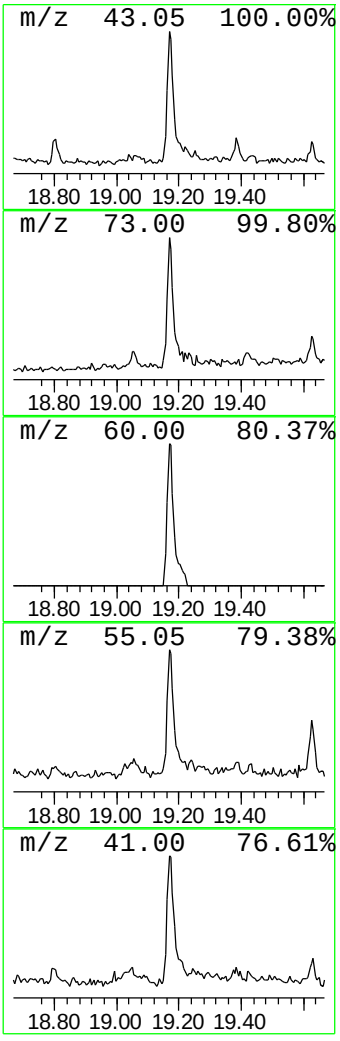
****

Peak Number 8 Pentadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	2.23 ng	106332	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	53
3	Dodecanoic acid	200	C12H24O2	000143-07-7	47
4	Tridecanoic acid	214	C13H26O2	000638-53-9	47
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
Data File : BM022221.D
Acq On : 21 Aug 2019 10:12
Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.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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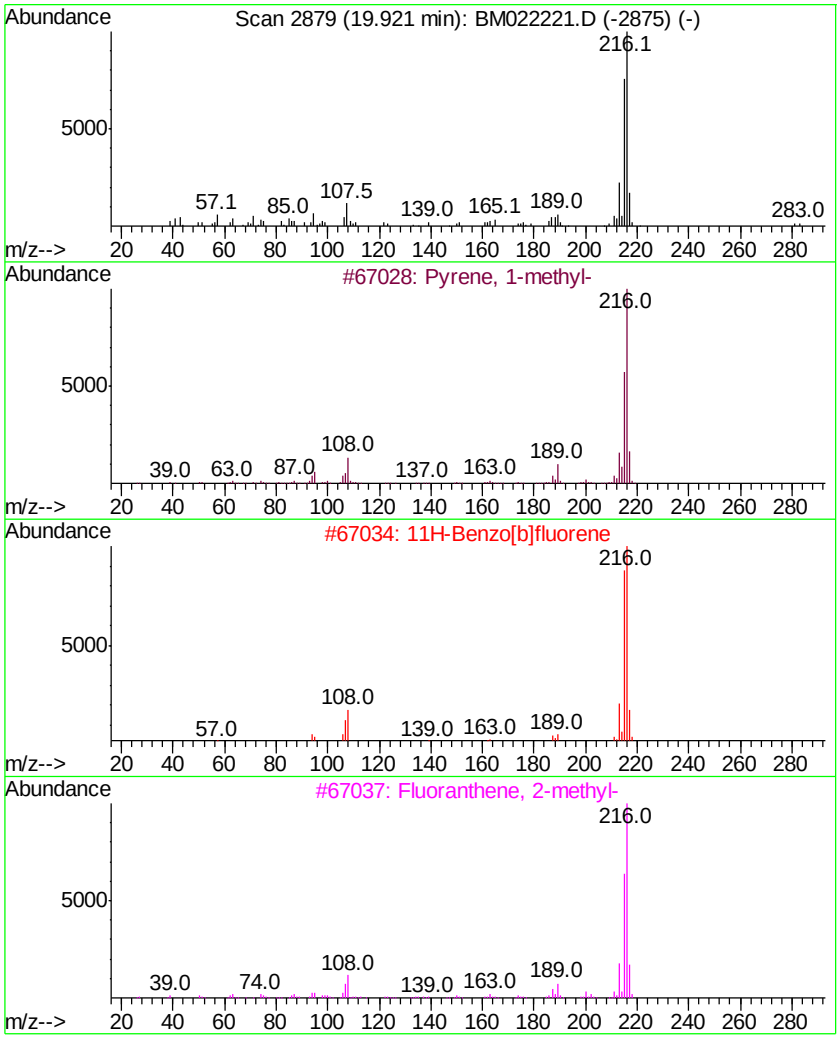
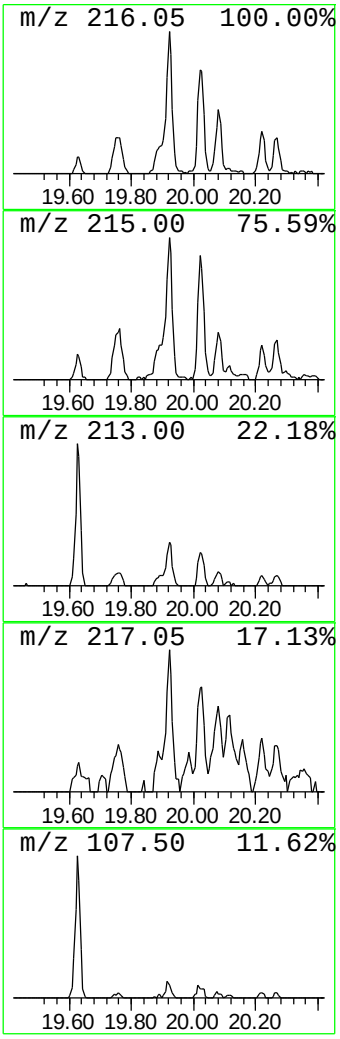
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.41 ng	114793	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Sample : K4264-21
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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.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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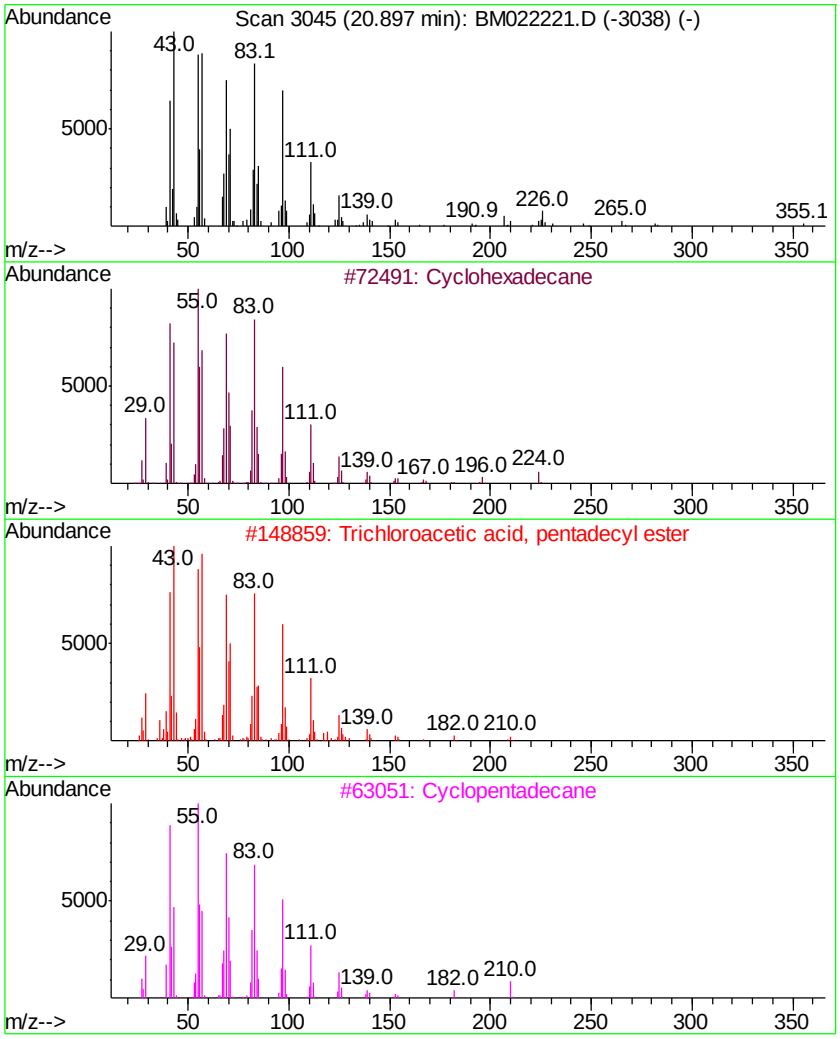
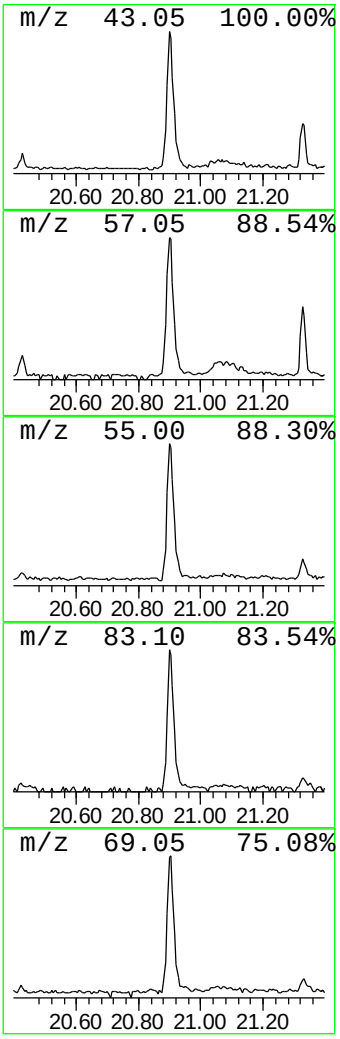
Peak Number 10 Cyclohexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	6.56 ng	312411	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	98
2	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	93
3	Cyclopentadecane	210	C15H30	000295-48-7	93
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	93
5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	91





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Acq On : 21 Aug 2019 10:12
Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.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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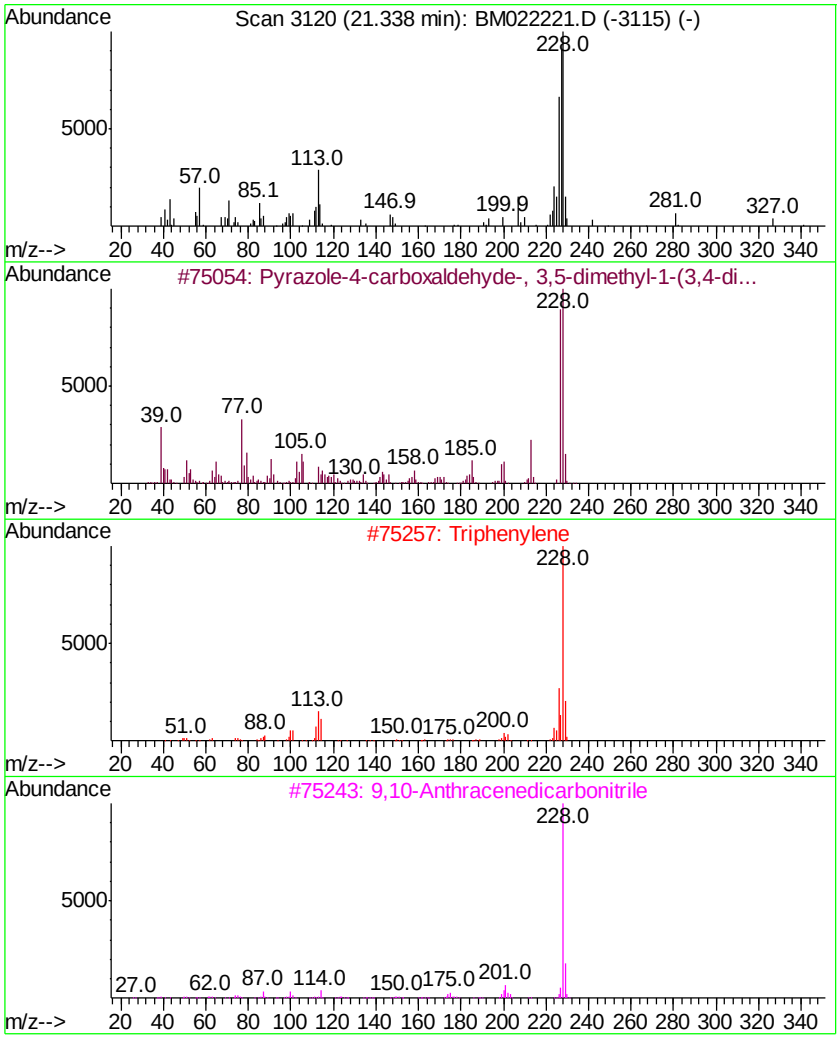
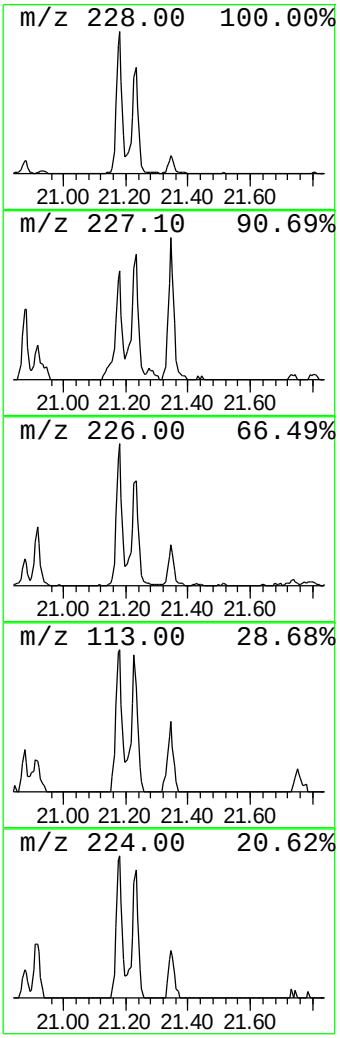
Peak Number 11 Pyrazole-4-carboxaldehyde-,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.34	2.10 ng	99887	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
2	Triphenylene	228	C18H12	000217-59-4	38
3	9,10-Anthracenedicarbonitrile	228	C16H8N2	001217-45-4	38
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	38
5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	38





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Acq On : 21 Aug 2019 10:12
Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.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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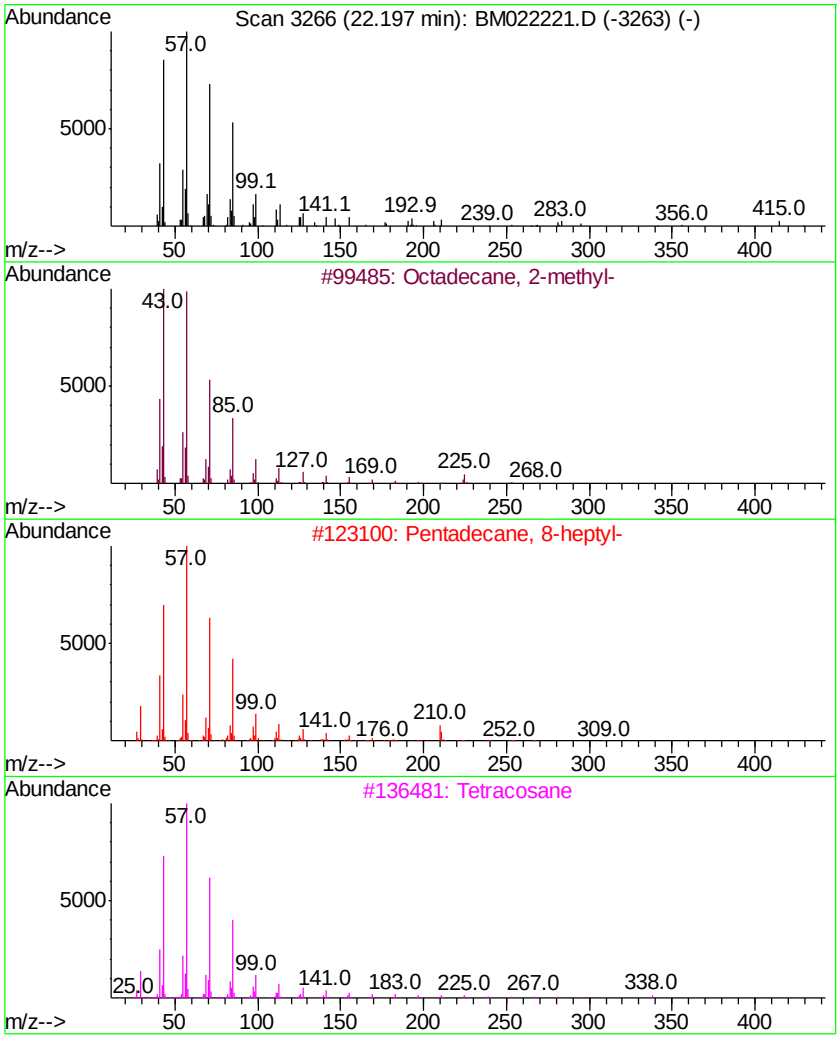
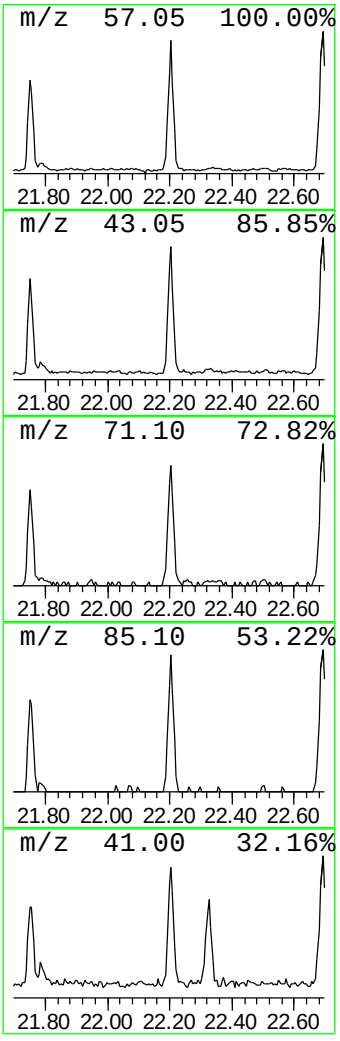
Peak Number 12 Octadecane, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.20	2.17 ng	103115	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2-methyl-	268	C19H40	001560-88-9	91
2	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	91
5	Heneicosane	296	C21H44	000629-94-7	91





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Acq On : 21 Aug 2019 10:12
Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.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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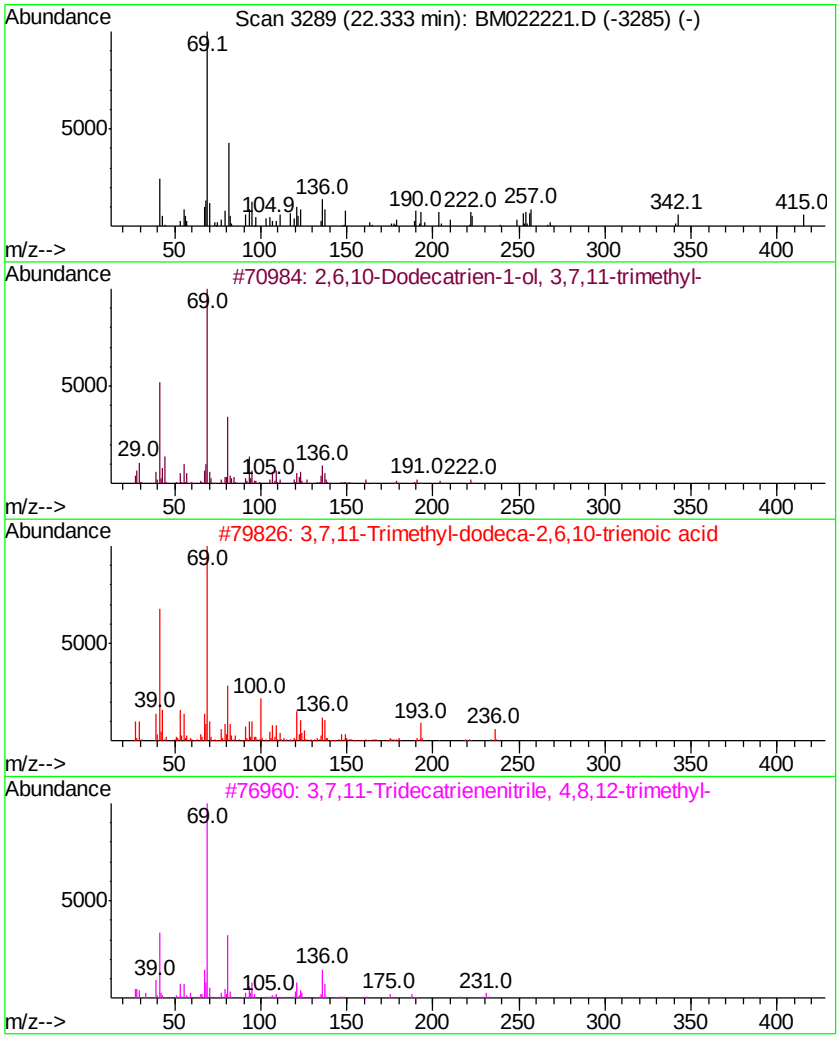
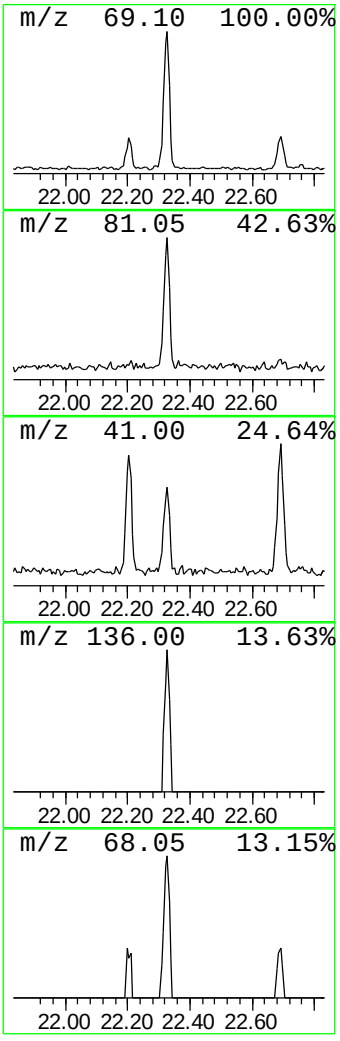
Peak Number 13 2,6,10-Dodecatrien-1-ol, 3,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.33	2.46 ng	56213	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	72
2	3,7,11-Trimethyl-dodeca-2,6,10-t...	236	C15H24O2	007548-13-2	64
3	3,7,11-Tridecatrienenitrile, 4,8...	231	C16H25N	006006-01-5	64
4	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	64
5	Propanoic acid, 2,2-dimethyl-, [...	306	C20H34O2	1000164-38-8	64





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Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.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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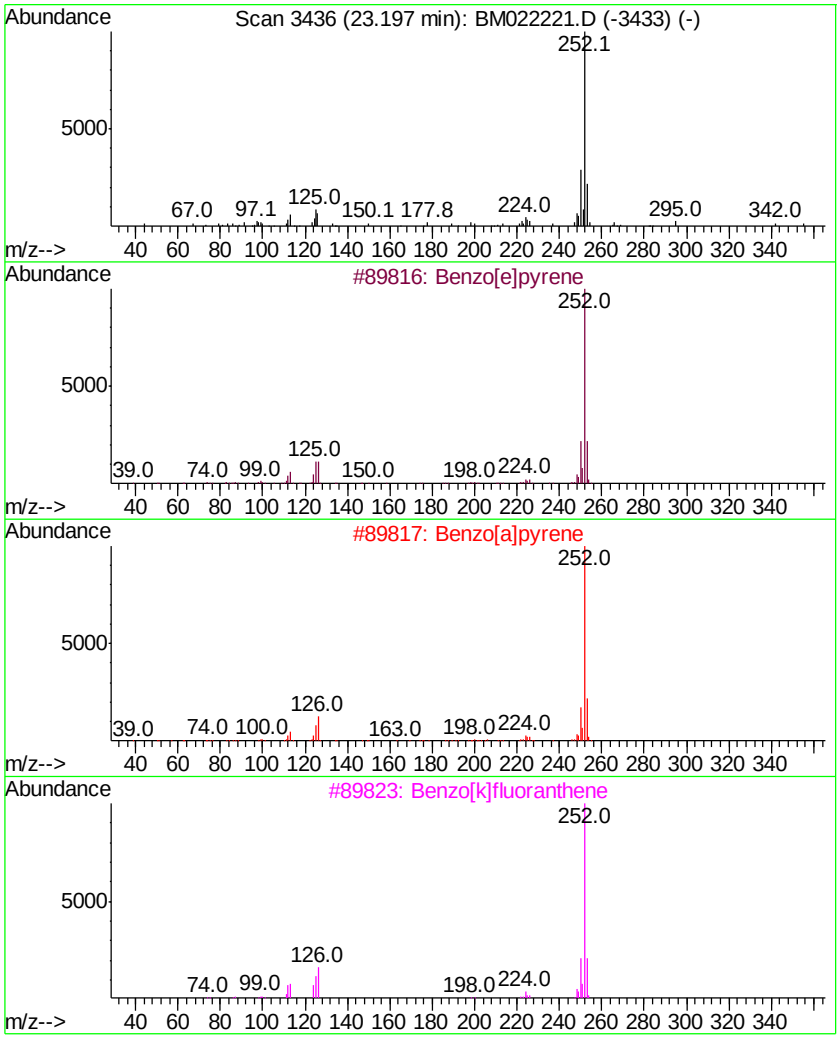
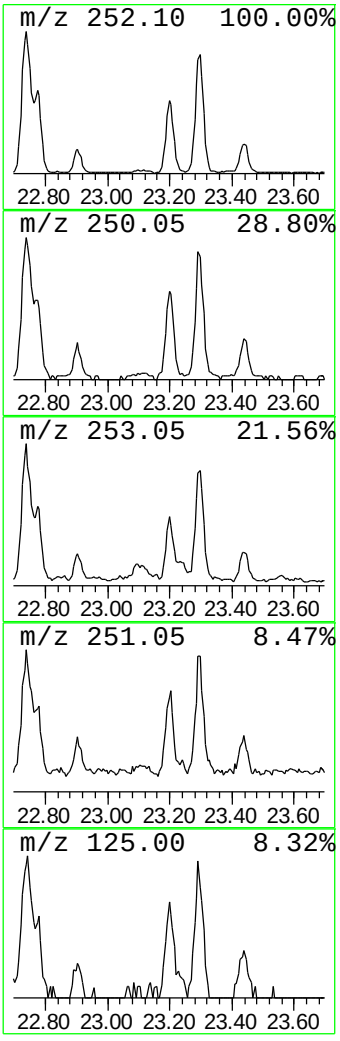
Peak Number 14 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.20	3.29 ng	75287	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





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Data File : BM022221.D
Acq On : 21 Aug 2019 10:12
Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.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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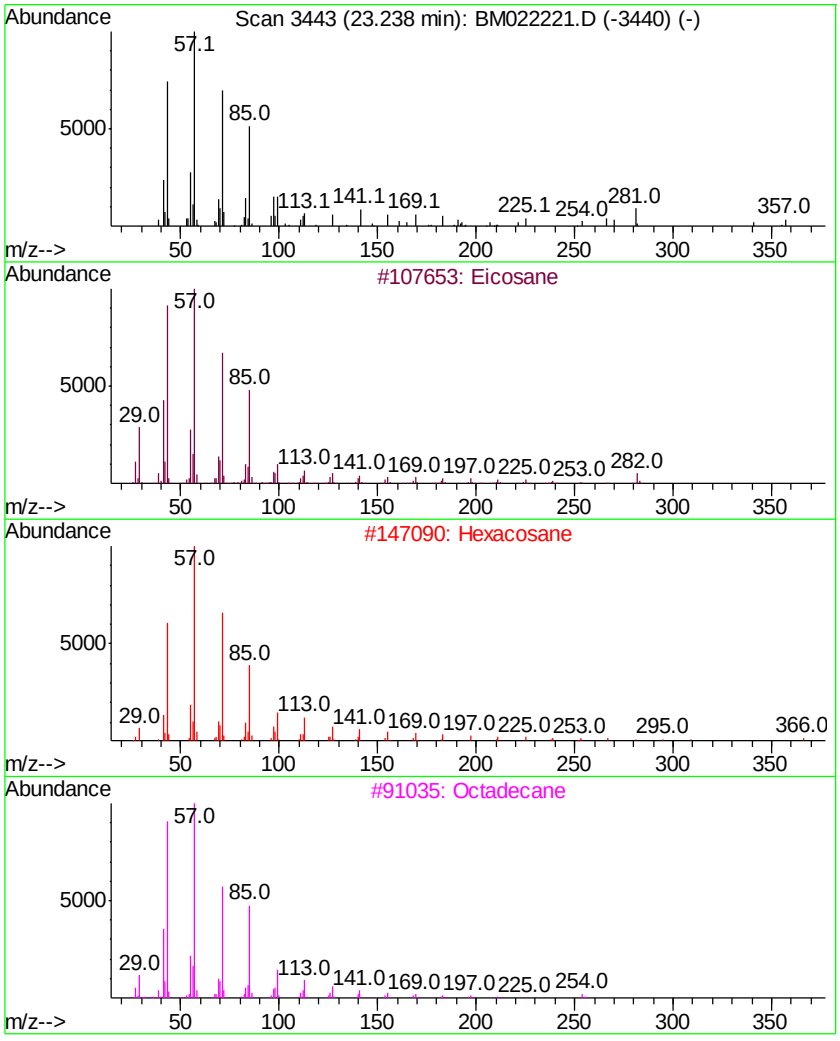
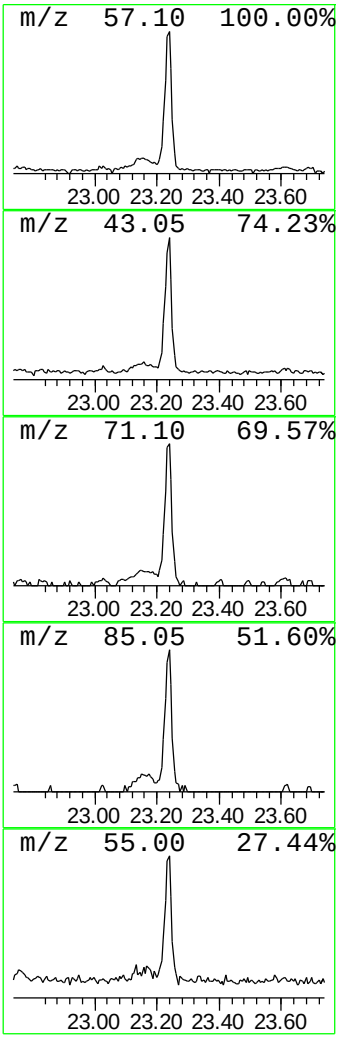
Peak Number 15 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.24	4.93 ng	112736	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Hexacosane	366	C26H54	000630-01-3	83
3	Octadecane	254	C18H38	000593-45-3	72
4	Nonacosane	408	C29H60	000630-03-5	64
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	64





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Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.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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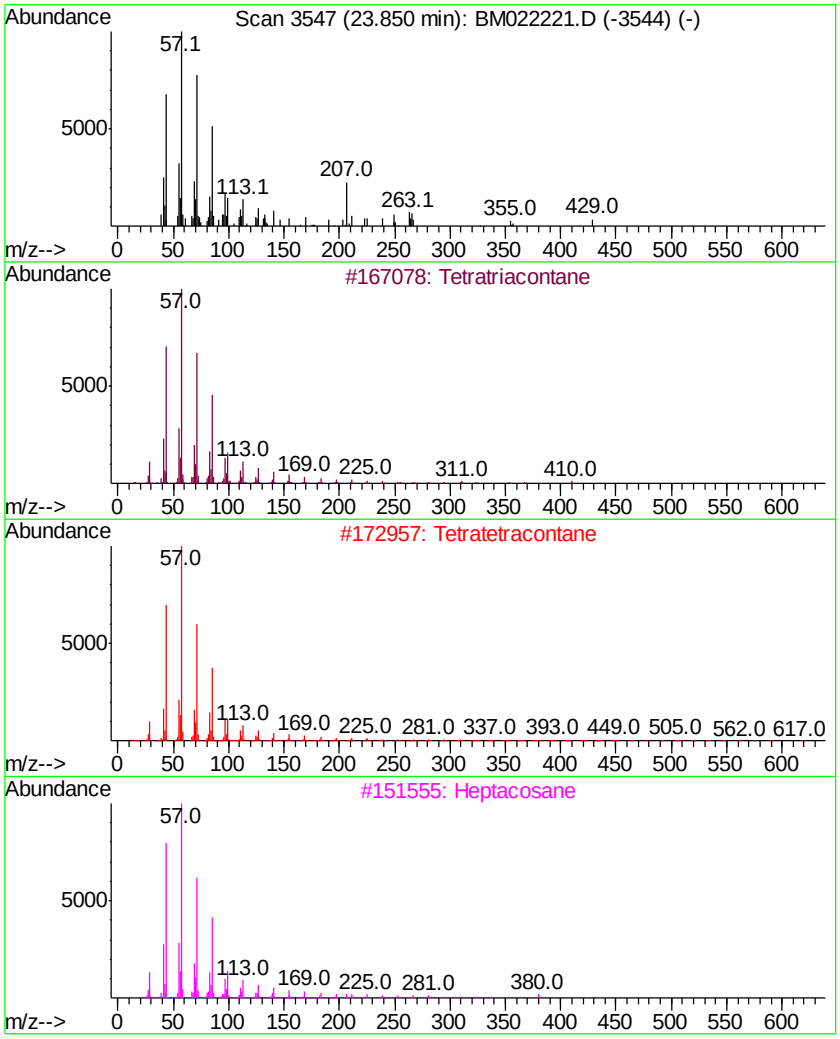
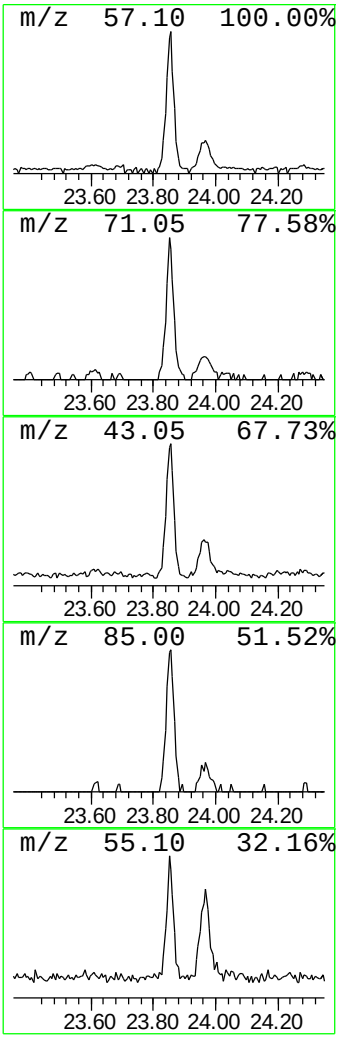
Peak Number 16 Tetratriacontane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.85	5.10 ng	116787	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratriacontane	479	C34H70	014167-59-0	76
2	Tetratetracontane	619	C44H90	007098-22-8	76
3	Heptacosane	380	C27H56	000593-49-7	76
4	Docosane, 9-butyl-	366	C26H54	055282-14-9	68
5	Octacosane	394	C28H58	000630-02-4	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082119\
Data File : BM022221.D
Acq On : 21 Aug 2019 10:12
Operator : HP/JU
Sample : K4264-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : REACTOR-3-C1-C4-(3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.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
unknown7.10	7.10	139.6	ng	1614320	1	7.57	231341	20.0
Tridecanoic acid	17.89	12.0	ng	293313	4	16.99	489497	20.0
Phenanthrene, 1-m...	17.91	4.5	ng	110023	4	16.99	489497	20.0
4H-Cyclopenta[def...	18.06	5.9	ng	143500	4	16.99	489497	20.0
5,16[1',2']:8,13[...	18.37	2.2	ng	54076	4	16.99	489497	20.0
di-p-Tolylacetylene	18.79	2.3	ng	56121	4	16.99	489497	20.0
Pentadecanoic acid	19.17	2.2	ng	106332	5	21.19	952061	20.0
Pyrene, 1-methyl-	19.92	2.4	ng	114793	5	21.19	952061	20.0
Cyclohexadecane	20.90	6.6	ng	312411	5	21.19	952061	20.0
Pyrazole-4-carbox...	21.34	2.1	ng	99887	5	21.19	952061	20.0
Octadecane, 2-met...	22.20	2.2	ng	103115	5	21.19	952061	20.0
2,6,10-Dodecatrie...	22.33	2.5	ng	56213	6	23.39	457787	20.0
Benzo[e]pyrene	23.20	3.3	ng	75287	6	23.39	457787	20.0
Eicosane	23.24	4.9	ng	112736	6	23.39	457787	20.0
Tetratriacontane	23.85	5.1	ng	116787	6	23.39	457787	20.0