LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111519\
Data File : BP001059.D
Acq On : 16 Nov 2019 00:56
Operator : JU
Sample : K5832-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 5-(10-12)

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_P\METHODS\8270-BP110619.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	2.328	35	41	50	rVB	307821	464431	8.81%	1.170%
2	4.917	476	481	491	rVB	1131824	1635410	31.03%	4.120%
3	5.740	614	621	636	rVB	1326964	2079734	39.46%	5.240%
4	6.299	707	716	726	rBV	392886	474265	9.00%	1.195%
5	7.810	966	973	981	rBV	1958743	2476267	46.98%	6.239%
6	8.005	1000	1006	1011	rBV	1374836	1623409	30.80%	4.090%
7	8.369	1062	1068	1075	rVB	917347	1101494	20.90%	2.775%
8	8.605	1102	1108	1113	rBV	2321240	2757498	52.32%	6.948%
9	9.240	1209	1216	1220	rBV	1628907	1964685	37.28%	4.950%
10	10.393	1406	1412	1417	rBV	1200836	1388623	26.35%	3.499%
11	12.169	1707	1714	1719	rBV	3843166	4478248	84.97%	11.283%
12	12.834	1817	1827	1833	rBV	484972	567593	10.77%	1.430%
13	13.016	1852	1858	1865	rBV	61301	77451	1.47%	0.195%
14	13.251	1892	1898	1904	rBV	1418659	1754040	33.28%	4.419%
15	14.540	2112	2117	2121	rBV2	40811	57140	1.08%	0.144%
16	15.645	2300	2305	2309	rBV	1594143	1831730	34.75%	4.615%
17	15.681	2309	2311	2316	rVB	184353	175431	3.33%	0.442%
18	15.757	2320	2324	2328	rVB	73322	72448	1.37%	0.183%
19	16.398	2429	2433	2436	rBV	59955	65620	1.25%	0.165%
20	16.434	2436	2439	2446	rVB	80165	103401	1.96%	0.261%
21	16.551	2456	2459	2463	rBV	67678	73470	1.39%	0.185%
22	16.839	2503	2508	2515	rVB2	58585	102064	1.94%	0.257%
23	17.175	2560	2565	2570	rBV2	59402	108455	2.06%	0.273%
24	17.386	2597	2601	2605	rVB	551509	547318	10.38%	1.379%
25	17.692	2648	2653	2656	rBV	527757	609015	11.55%	1.534%
26	17.922	2686	2692	2696	rBV	4775494	5270670	100.00%	13.280%
27	17.998	2702	2705	2710	rBV2	52525	76180	1.45%	0.192%
28	18.122	2722	2726	2727	rBV2	40130	52859	1.00%	0.133%
29	18.281	2750	2753	2758	rBV3	83530	120267	2.28%	0.303%
30	18.739	2828	2831	2835	rBV3	52184	57087	1.08%	0.144%
31	18.804	2839	2842	2851	rVB	88479	112965	2.14%	0.285%
32	18.992	2872	2874	2876	rBV2	49622	53925	1.02%	0.136%
33	19.075	2886	2888	2895	rVB	62923	76089	1.44%	0.192%
34	19.157	2898	2902	2912	rVV3	240326	477047	9.05%	1.202%

LSC Area Percent Report

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Acq On : 16 Nov 2019 00:56
Operator : JU
Sample : K5832-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 5-(10-12)

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_P\METHODS\8270-BP110619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.280	2917	2923	2927	rVV2	1696063	2199648	41.73%	5.542%
36	19.310	2927	2928	2932	rVB2	277997	256998	4.88%	0.648%
37	19.575	2970	2973	2976	rVB	86649	87457	1.66%	0.220%
38	19.827	3013	3016	3021	rVB3	89561	117899	2.24%	0.297%
39	19.963	3036	3039	3049	rVB3	143887	226080	4.29%	0.570%
40	20.339	3100	3103	3105	rBV	113734	105314	2.00%	0.265%
41	20.422	3114	3117	3121	rVB	241901	264747	5.02%	0.667%
42	20.569	3137	3142	3146	rBV	315092	573516	10.88%	1.445%
43	20.739	3167	3171	3175	rBV	133156	166528	3.16%	0.420%
44	20.916	3197	3201	3208	rVB	191750	289615	5.49%	0.730%
45	20.986	3209	3213	3217	rVB	179340	231251	4.39%	0.583%
46	21.063	3221	3226	3230	rBV	1314675	1695797	32.17%	4.273%
47	21.180	3243	3246	3252	rVB	135065	194999	3.70%	0.491%
48	21.692	3330	3333	3338	rVB3	110307	171891	3.26%	0.433%
49	22.716	3503	3507	3516	rVB2	104031	221901	4.21%	0.559%

Sum of corrected areas: 39689970

LSC Report - Integrated Chromatogram

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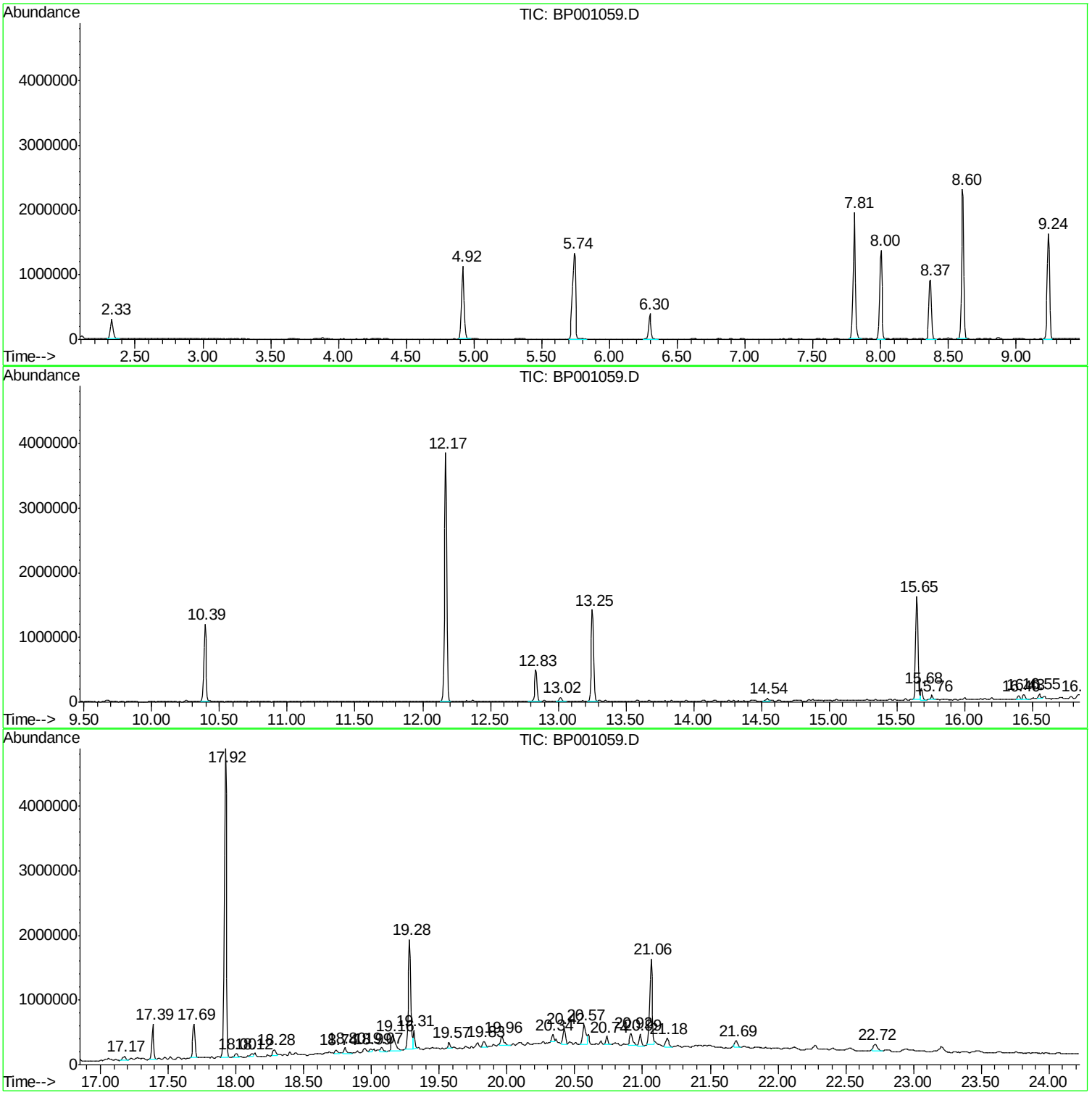
Data File : BP001059.D
Acq On : 16 Nov 2019 00:56
Operator : JU
Sample : K5832-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 5-(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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 P\DATA\BP111519\
Data File : BP001059.D
Acq On : 16 Nov 2019 00:56
Operator : JU
Sample : K5832-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 5-(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

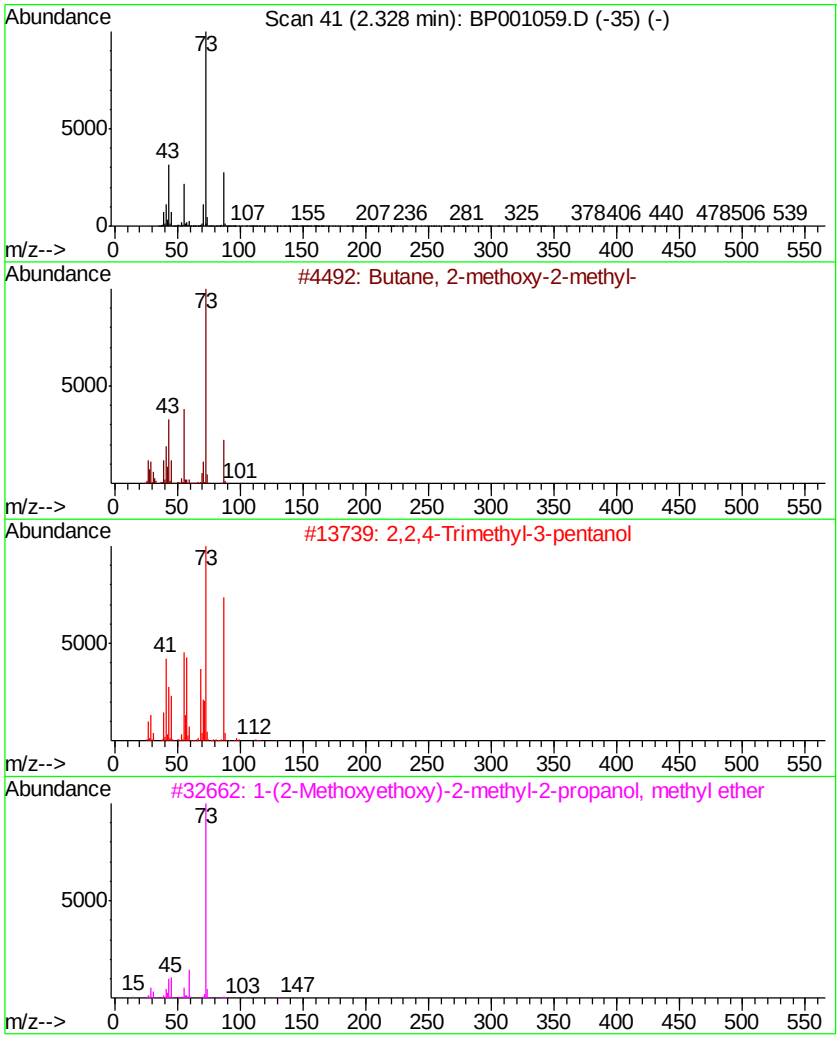
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

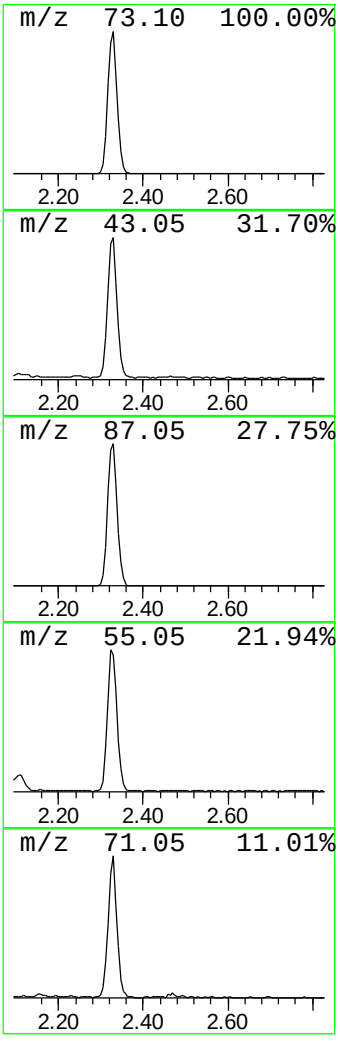
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.33	8.43 ng	464431	1,4-Dichlorobenzene-d4	8.37

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	39
3	1-(2-Methoxyethoxy)-2-methyl-2-p...	162	C8H18O3	1000364-24-4	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

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Acq On : 16 Nov 2019 00:56
Operator : JU
Sample : K5832-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 5-(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

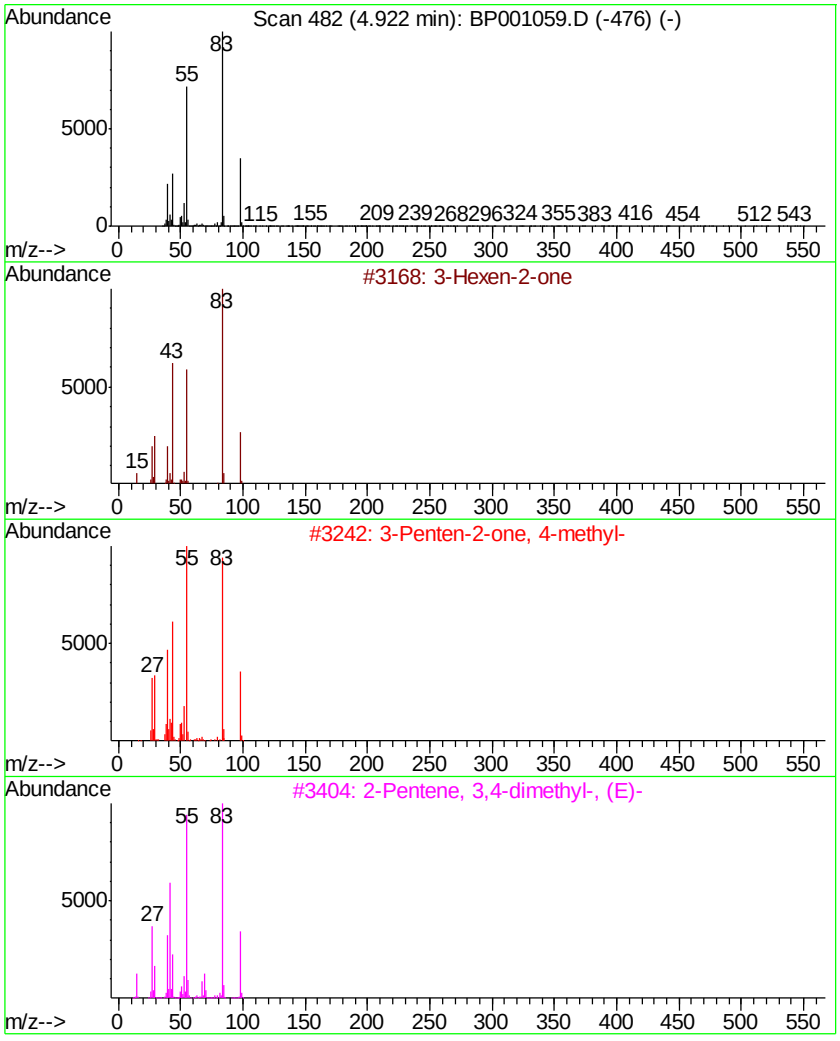
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

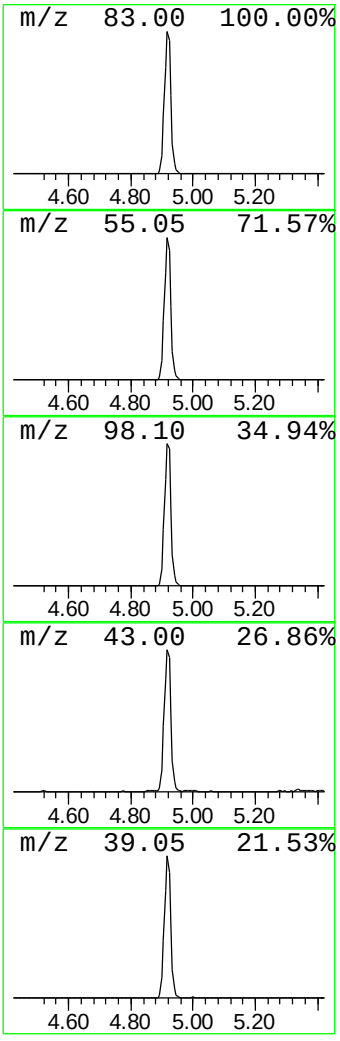
****

Peak Number 2 3-Hexen-2-one Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.92	29.69 ng	1635410	1,4-Dichlorobenzene-d4	8.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexen-2-one	98	C6H10O	000763-93-9	91
2	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111519\
Data File : BP001059.D
Acq On : 16 Nov 2019 00:56
Operator : JU
Sample : K5832-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 5-(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

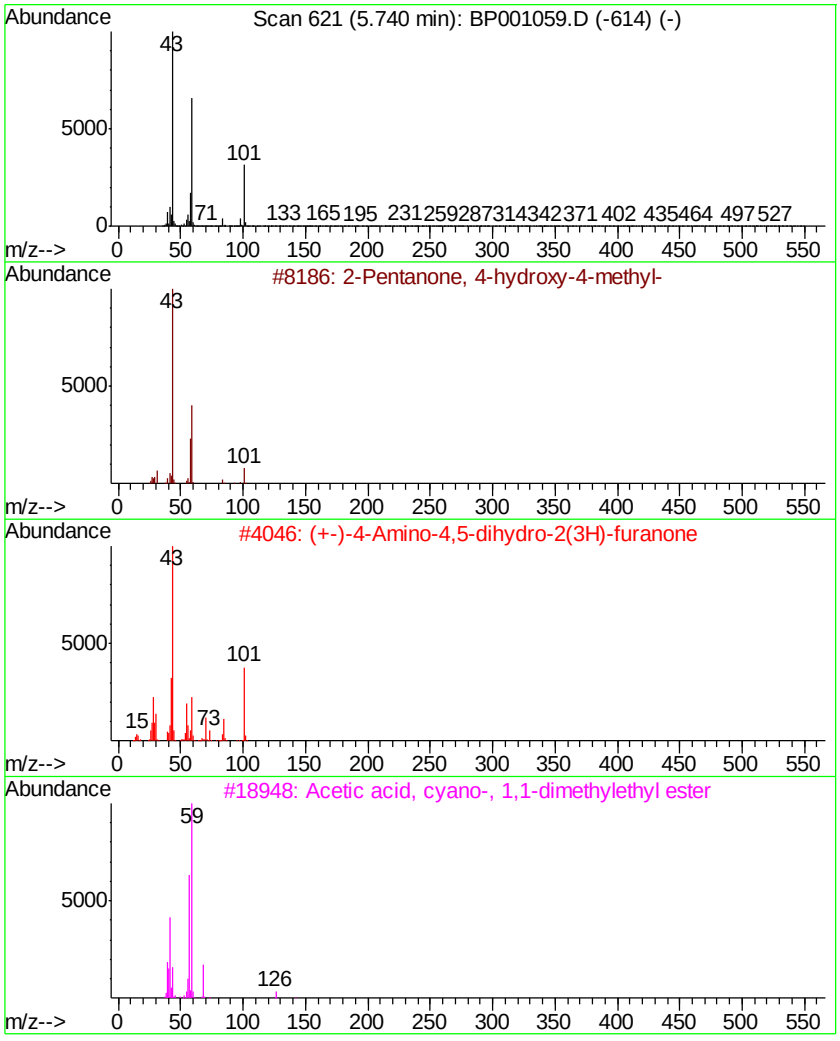
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

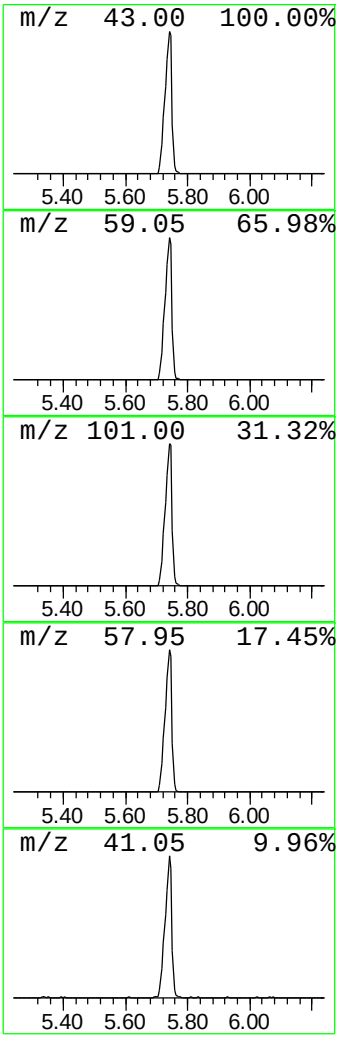
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.74	37.76 ng	2079730	1,4-Dichlorobenzene-d4	8.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	47
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	12
4	Acetone	58	C3H6O	000067-64-1	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111519\
Data File : BP001059.D
Acq On : 16 Nov 2019 00:56
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Sample : K5832-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 5-(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

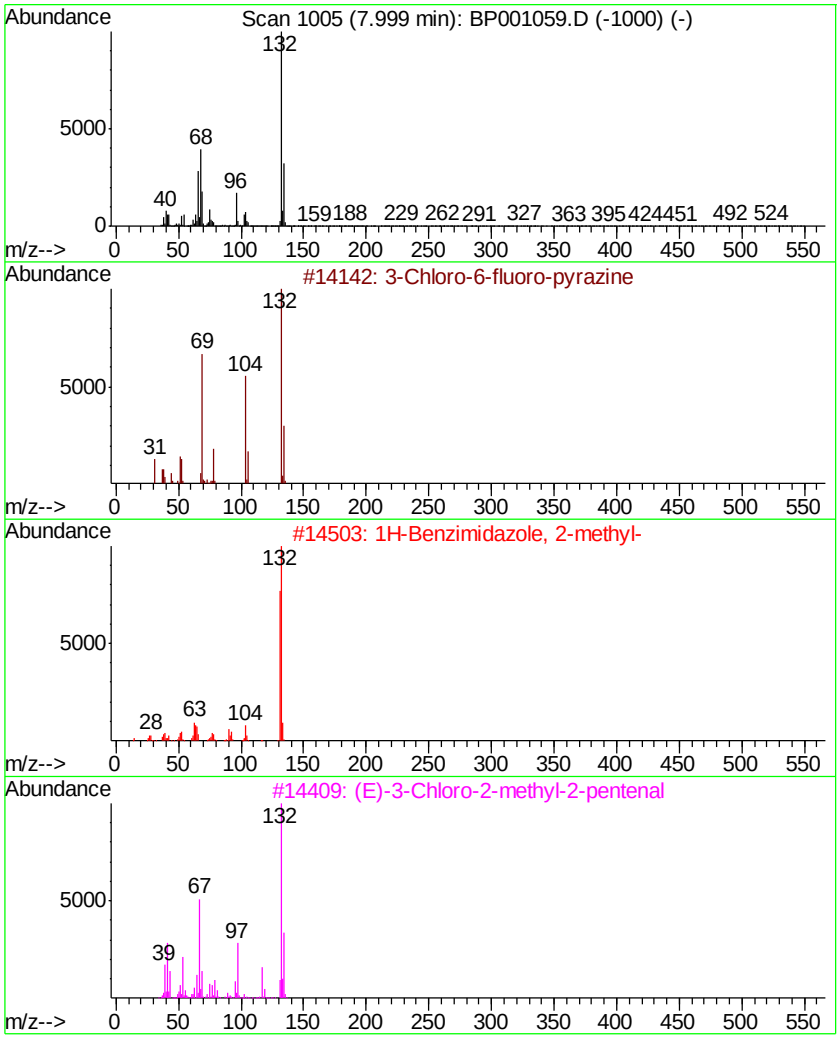
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

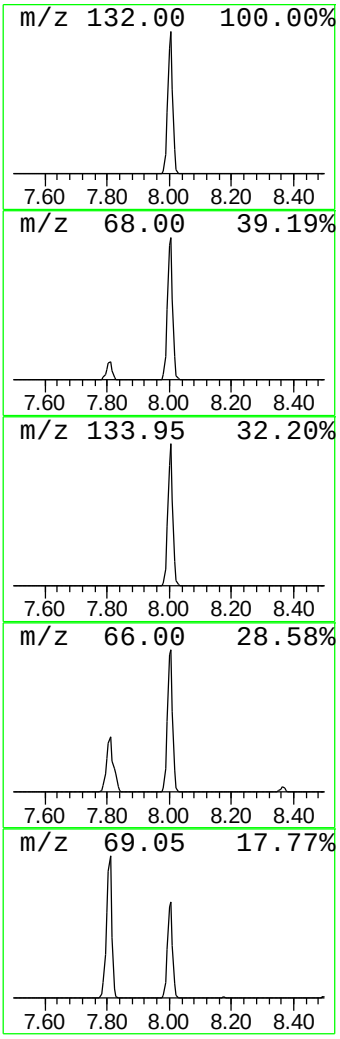
****

Peak Number 4 unknown8.00 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	29.48 ng	1623410	1,4-Dichlorobenzene-d4	8.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	27
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	17
5	5-Aminoindole	132	C8H8N2	005192-03-0	16





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111519\
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 5-(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

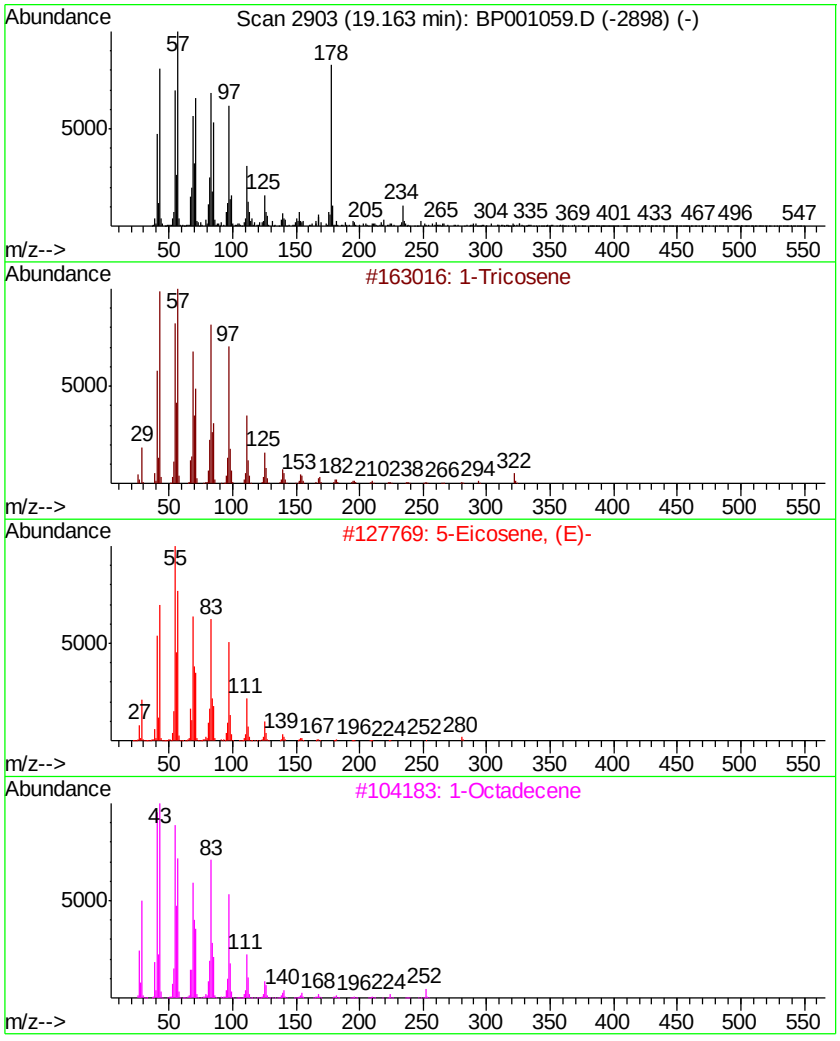
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

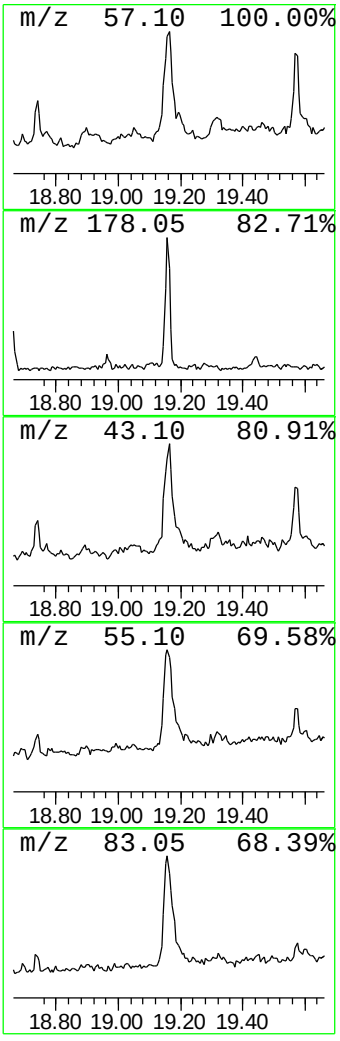
****

Peak Number 6 1-Tricosene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	4.34 ng	477047	Chrysene-d12	19.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tricosene	322	C23H46	018835-32-0	97
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	95
3	1-Octadecene	252	C18H36	000112-88-9	91
4	Behenic alcohol	326	C22H46O	000661-19-8	90
5	Cyclopentadecane	210	C15H30	000295-48-7	90





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Data File : BP001059.D
Acq On : 16 Nov 2019 00:56
Operator : JU
Sample : K5832-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 5-(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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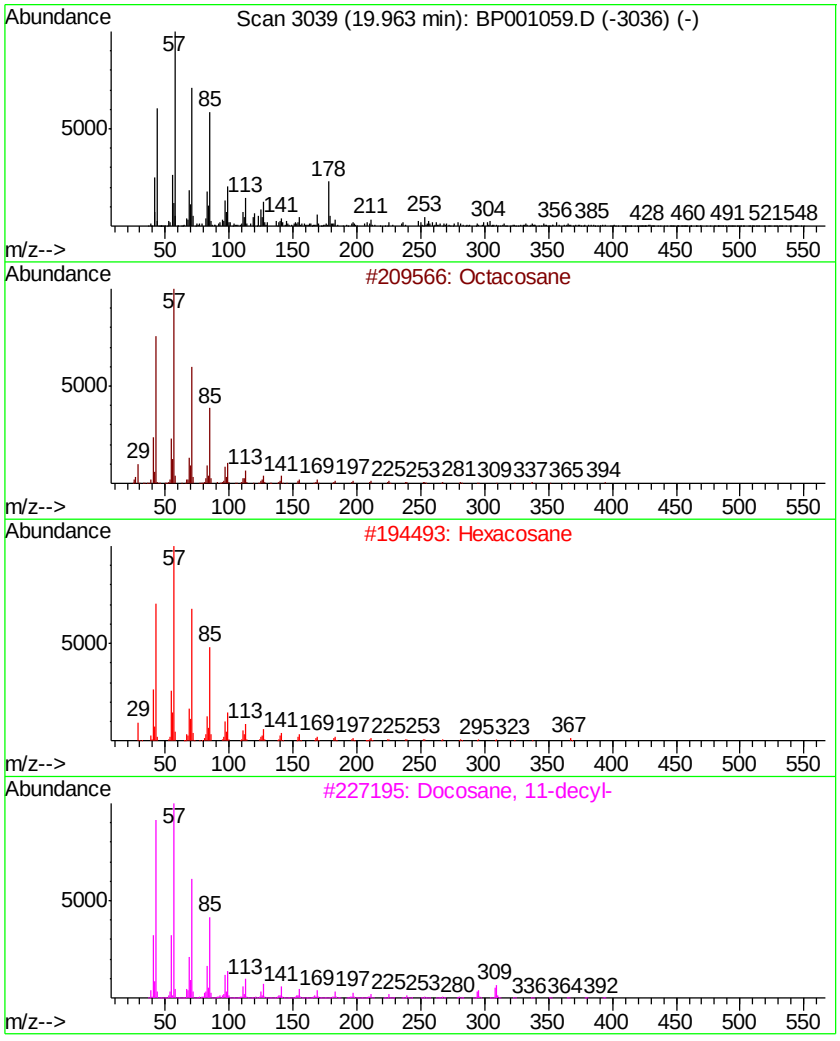
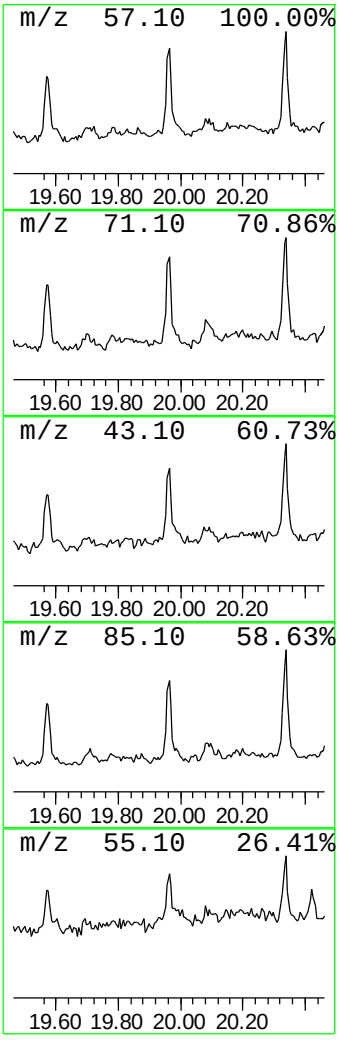
Peak Number 7 Octacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	2.06 ng	226080	Chrysene-d12	19.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	89
2	Hexacosane	366	C26H54	000630-01-3	87
3	Docosane, 11-decyl-	451	C32H66	055401-55-3	83
4	Pentacosane	352	C25H52	000629-99-2	83
5	Triacontane	422	C30H62	000638-68-6	83





Library Search Compound Report

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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 5-(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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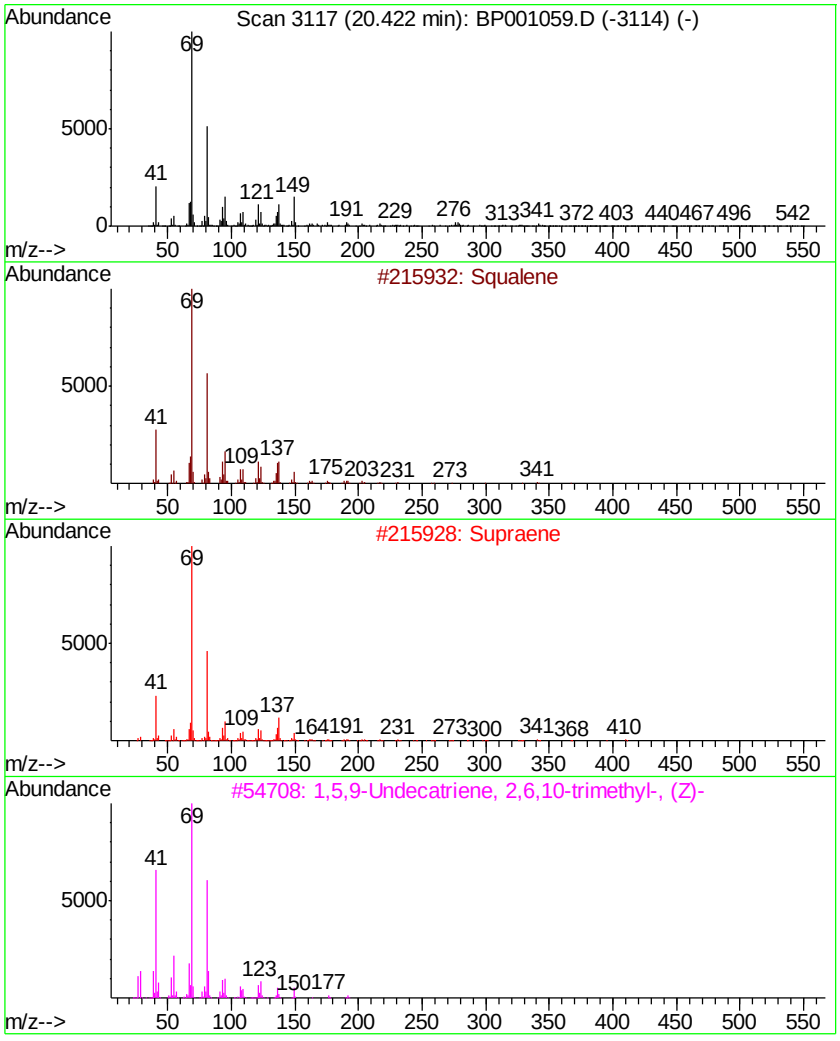
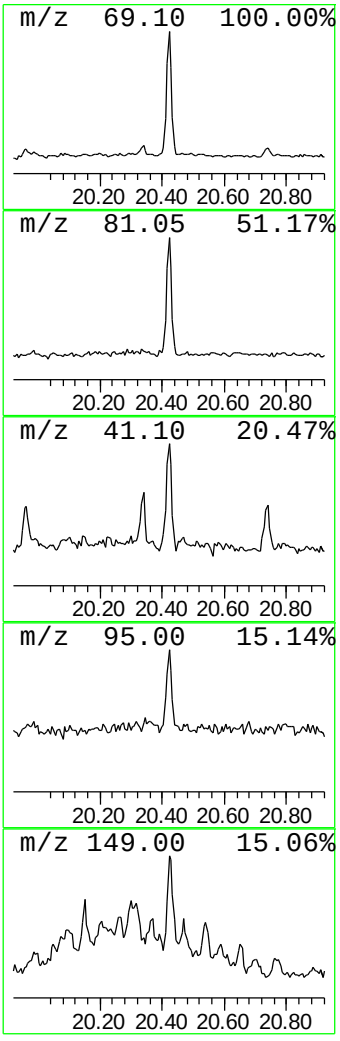
Peak Number 8 Squalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	3.12 ng	264747	Perylene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	90
2	Supraene	410	C30H50	007683-64-9	83
3	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	74
4	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	72
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111519\
Data File : BP001059.D
Acq On : 16 Nov 2019 00:56
Operator : JU
Sample : K5832-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 5-(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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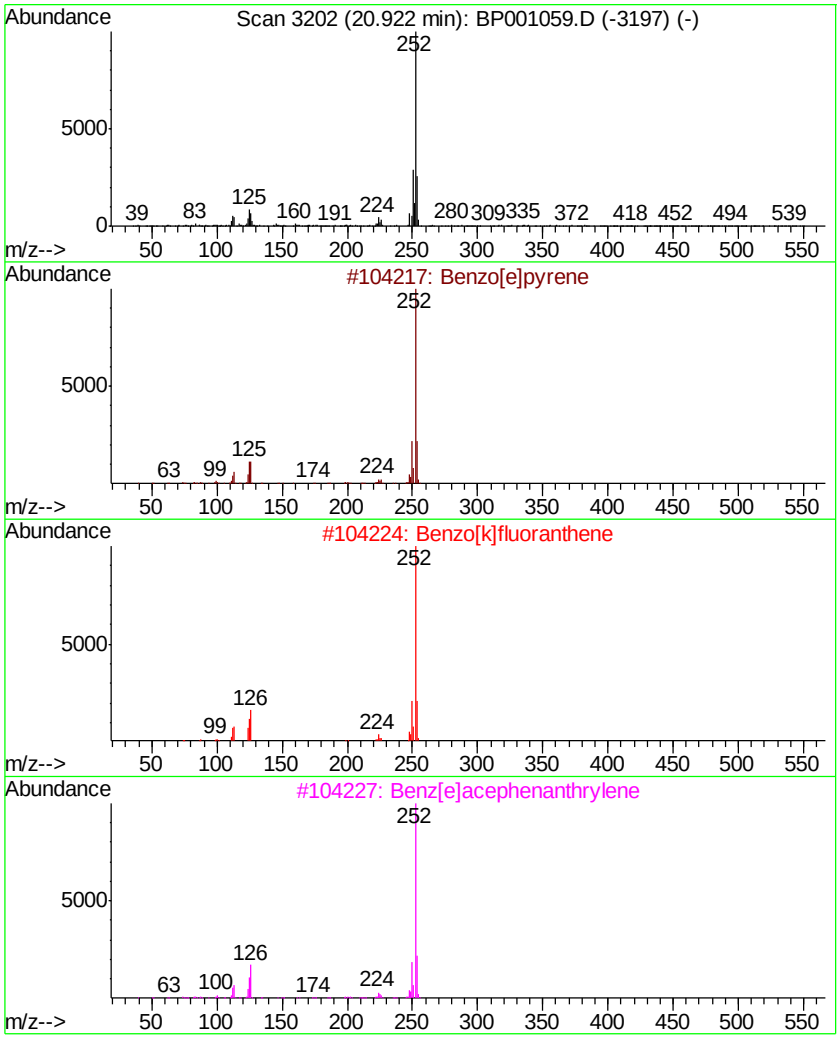
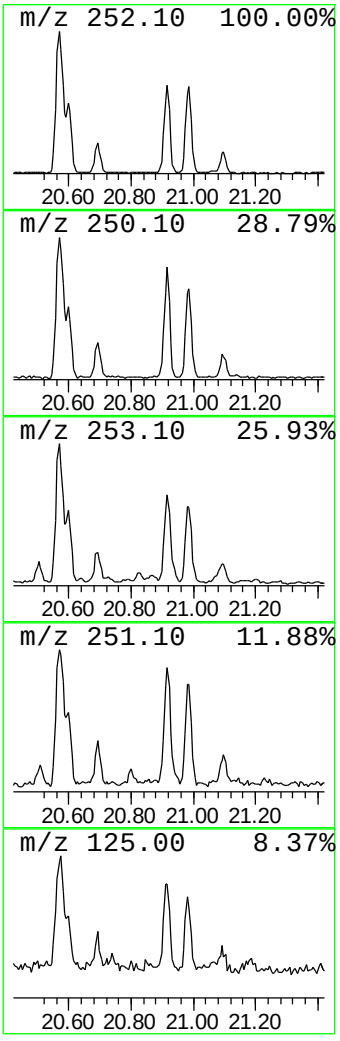
Peak Number 9 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	3.42 ng	289615	Perylene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111519\
Data File : BP001059.D
Acq On : 16 Nov 2019 00:56
Operator : JU
Sample : K5832-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 5-(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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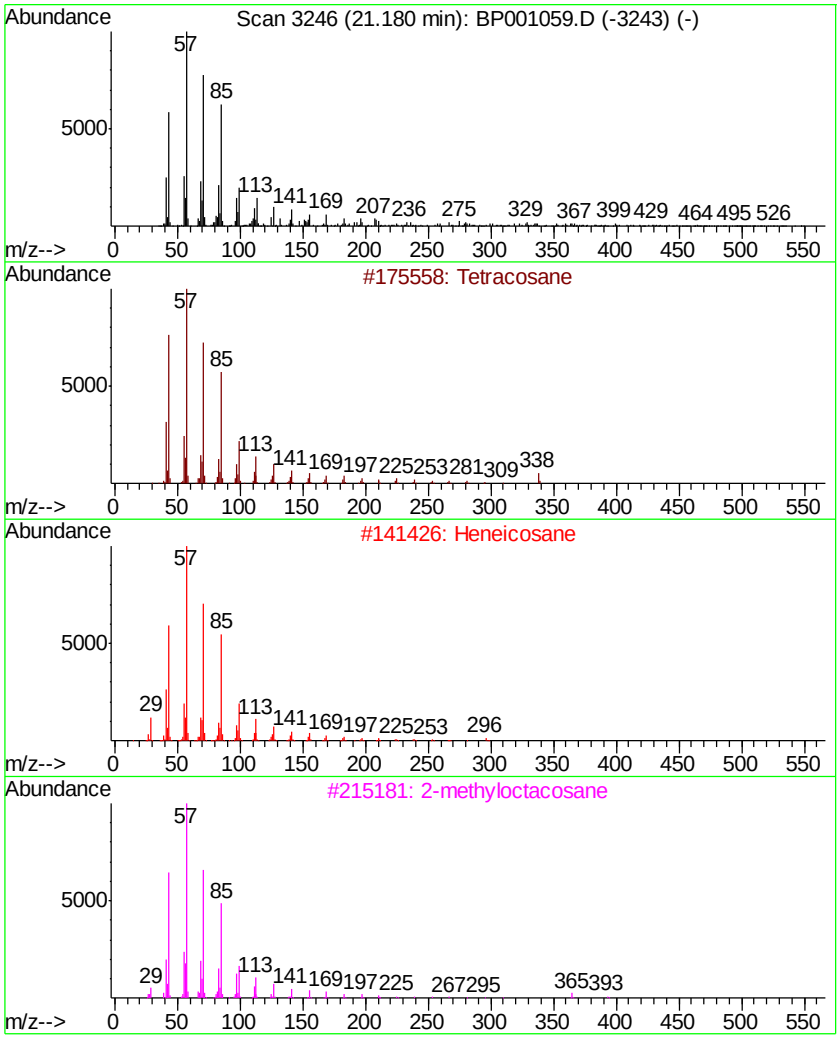
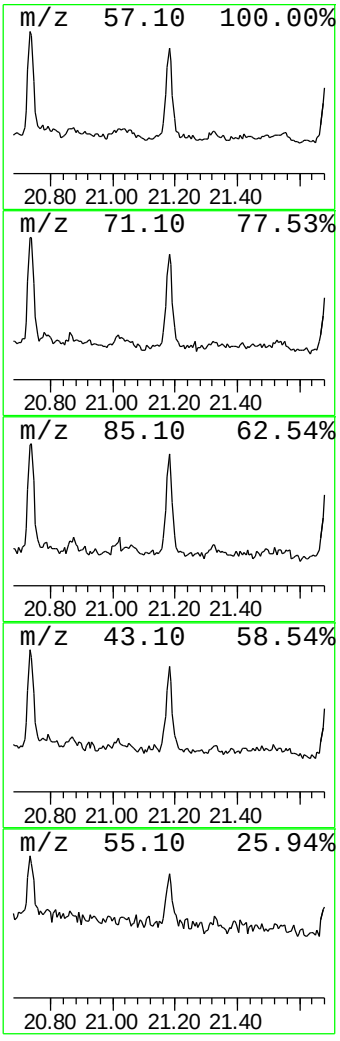
Peak Number 10 2-methyloctacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.18	2.30 ng	194999	Perylene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	95
2	Heneicosane	296	C21H44	000629-94-7	95
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Hexacosane, 9-octyl-	479	C34H70	055429-83-9	91
5	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	91





Library Search Compound Report

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Data File : BP001059.D
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Operator : JU
Sample : K5832-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 5-(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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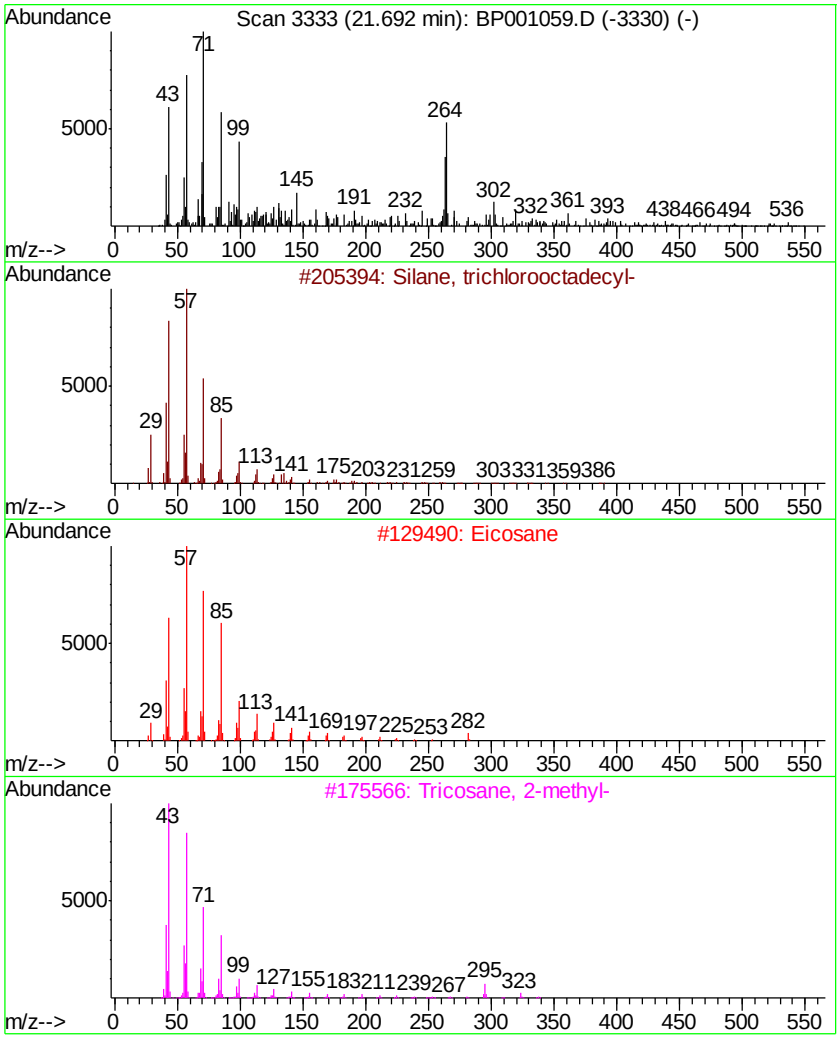
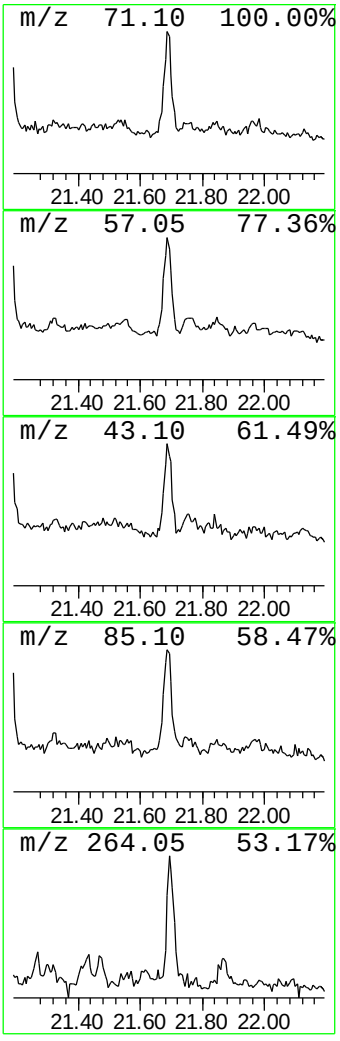
Peak Number 11 Silane, trichlorooctadecyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.69	2.03 ng	171891	Perylene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	70
2	Eicosane	282	C20H42	000112-95-8	55
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	49
4	Tetratetracontane	619	C44H90	007098-22-8	46
5	Hexatriacontane	507	C36H74	000630-06-8	46





Library Search Compound Report

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Data File : BP001059.D
Acq On : 16 Nov 2019 00:56
Operator : JU
Sample : K5832-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 5-(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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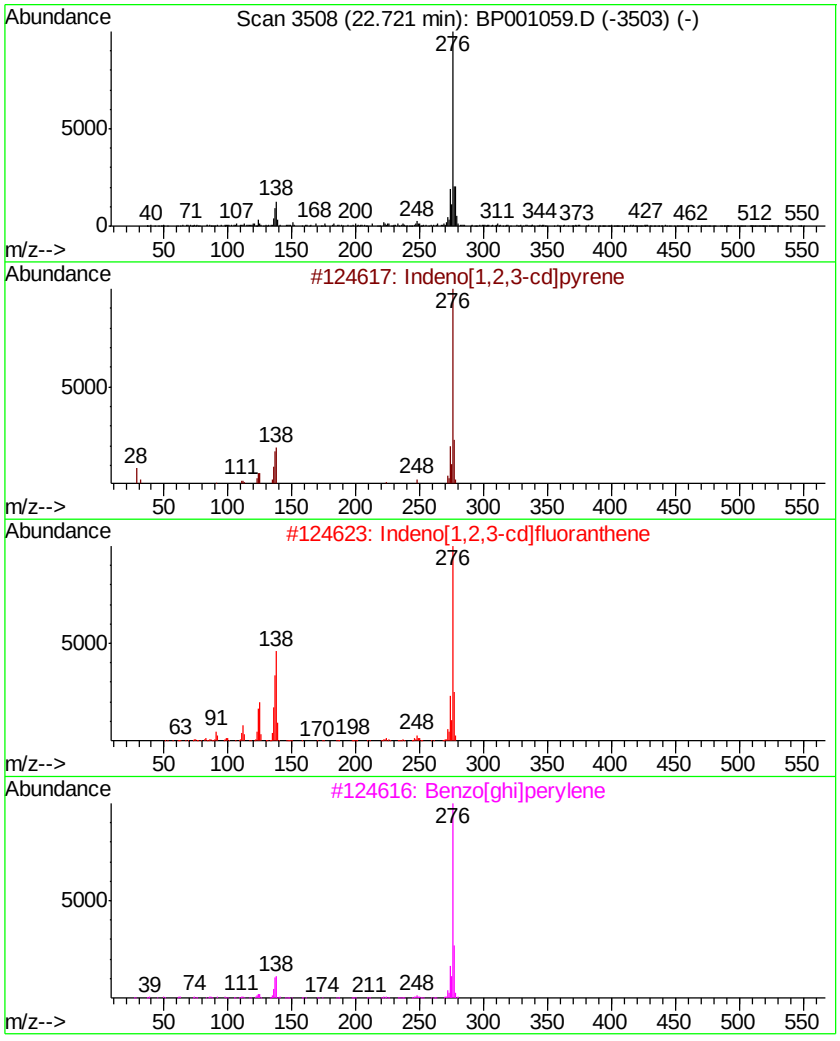
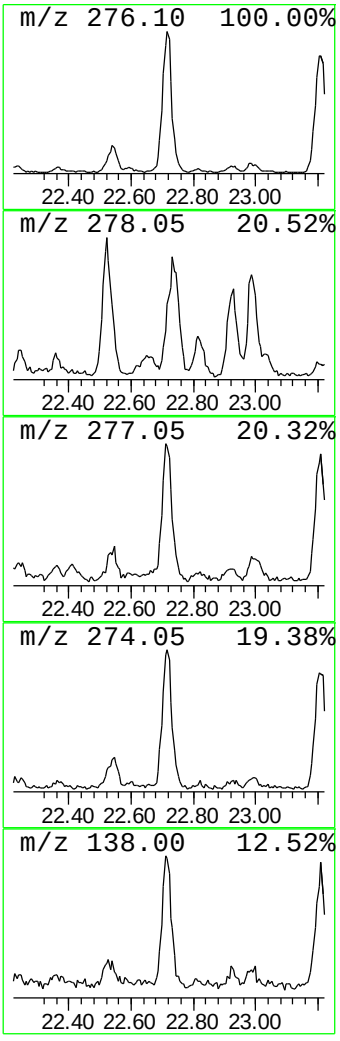
Peak Number 12 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.72	2.62 ng	221901	Perylene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	95
2	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	94
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	90
4	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	81
5	12H-Benzothieno[2,3-d]pyrido[1,2...	276	C14H16N2S2	102254-63-7	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP111519\
Data File : BP001059.D
Acq On : 16 Nov 2019 00:56
Operator : JU
Sample : K5832-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 5-(10-12)

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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...	2.33	8.4	ng	464431	1	8.37	1101490	20.0
3-Hexen-2-one	4.92	29.7	ng	1635410	1	8.37	1101490	20.0
2-Pentanone, 4-hy...	5.74	37.8	ng	2079730	1	8.37	1101490	20.0
unknown8.00	8.00	29.5	ng	1623410	1	8.37	1101490	20.0
1-Tricosene	19.16	4.3	ng	477047	5	19.28	2199650	20.0
Octacosane	19.96	2.1	ng	226080	5	19.28	2199650	20.0
Squalene	20.42	3.1	ng	264747	6	21.06	1695800	20.0
Benzo[e]pyrene	20.92	3.4	ng	289615	6	21.06	1695800	20.0
2-methyloctacosane	21.18	2.3	ng	194999	6	21.06	1695800	20.0
Silane, trichloro...	21.69	2.0	ng	171891	6	21.06	1695800	20.0
Dibenzo[def,mno]c...	22.72	2.6	ng	221901	6	21.06	1695800	20.0