LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\
Data File : BN002714.D
Acq On : 15 Sep 2018 06:00
Operator : JU/SJ
Sample : J4865-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DB3P4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_N\METHODS\SOM-EPA-BN091418MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.223	36	40	46	rVB	26284	36252	1.46%	0.100%
2	3.717	121	124	130	rVB	41570	55589	2.24%	0.153%
3	3.834	140	144	148	rVB	19784	26896	1.08%	0.074%
4	6.840	649	655	669	rBV	449956	848734	34.22%	2.336%
5	6.993	675	681	692	rBV	377748	588756	23.74%	1.620%
6	7.187	708	714	726	rBV	483300	792108	31.93%	2.180%
7	7.652	786	793	800	rBV	648568	1065227	42.94%	2.931%
8	8.364	907	914	925	rBV	444334	766120	30.89%	2.108%
9	8.799	982	988	1002	rBV	437327	723448	29.17%	1.991%
10	9.516	1103	1110	1120	rBV	355209	612293	24.68%	1.685%
11	10.058	1195	1202	1218	rBV	533793	963591	38.85%	2.652%
12	10.422	1257	1264	1274	rBV	922388	1549474	62.47%	4.264%
13	10.569	1282	1289	1303	rBV	321150	625042	25.20%	1.720%
14	10.975	1351	1358	1363	rBV3	28183	56311	2.27%	0.155%
15	12.587	1625	1632	1644	rBV	294427	509096	20.52%	1.401%
16	13.698	1815	1821	1825	rBV	928169	1274157	51.37%	3.506%
17	13.746	1825	1829	1839	rVB	271790	374199	15.09%	1.030%
18	13.975	1861	1868	1879	rBV	1104413	1623754	65.46%	4.468%
19	14.287	1914	1921	1930	rVB2	1225977	1833824	73.93%	5.046%
20	14.381	1933	1937	1941	rBV2	19755	26489	1.07%	0.073%
21	14.522	1955	1961	1977	rBV	234170	500424	20.17%	1.377%
22	14.722	1991	1995	2000	rBV3	46598	67185	2.71%	0.185%
23	15.281	2084	2090	2099	rBV	1331765	1982472	79.92%	5.456%
24	15.422	2109	2114	2125	rBV	359568	539277	21.74%	1.484%
25	16.451	2284	2289	2297	rBV4	28226	48974	1.97%	0.135%
26	17.040	2382	2389	2394	rBV	1293958	1874317	75.56%	5.158%
27	17.134	2399	2405	2418	rVB2	1387814	1954128	78.78%	5.378%
28	17.340	2435	2440	2447	rBV5	18188	36479	1.47%	0.100%
29	17.416	2447	2453	2458	rBV4	20513	51270	2.07%	0.141%
30	17.534	2466	2473	2482	rVB4	89944	238038	9.60%	0.655%
31	17.939	2538	2542	2549	rBV4	64950	113508	4.58%	0.312%
32	18.010	2549	2554	2559	rVB	242814	307657	12.40%	0.847%
33	18.263	2583	2597	2605	rBV2	167770	569311	22.95%	1.567%
34	18.651	2660	2663	2668	rVB4	21508	26842	1.08%	0.074%

LSC Area Percent Report

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Acq On : 15 Sep 2018 06:00
Operator : JU/SJ
Sample : J4865-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DB3P4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_N\METHODS\SOM-EPA-BN091418MA.M
Title : SVOA CALIBRATION

35	18.704	2668	2672	2677	rBV6	14151	27186	1.10%	0.075%
36	18.822	2688	2692	2697	rBV8	12543	25440	1.03%	0.070%
37	18.928	2706	2710	2715	rBV	29830	38859	1.57%	0.107%
38	19.104	2736	2740	2744	rVV	114047	152889	6.16%	0.421%
39	19.234	2757	2762	2773	rBV	577531	915229	36.90%	2.519%
40	19.328	2774	2778	2791	rVV	101183	280828	11.32%	0.773%
41	19.439	2791	2797	2804	rVV	1495148	2344811	94.53%	6.453%
42	19.492	2804	2806	2818	rVB	132679	238826	9.63%	0.657%
43	19.886	2870	2873	2877	rVB3	33937	38651	1.56%	0.106%
44	20.963	3052	3056	3064	rBV3	146145	286952	11.57%	0.790%
45	21.157	3085	3089	3093	rBV	617060	661833	26.68%	1.821%
46	21.233	3097	3102	3107	rBV	1396924	1940947	78.25%	5.341%
47	22.275	3273	3279	3290	rVB2	330968	694816	28.01%	1.912%
48	22.786	3361	3366	3372	rBV2	224181	458111	18.47%	1.261%
49	23.310	3449	3455	3468	rVB	1217682	2480516	100.00%	6.826%
50	23.451	3473	3479	3487	rVB	1009361	1892852	76.31%	5.209%
51	23.963	3562	3566	3574	rVB	176959	310062	12.50%	0.853%
52	24.686	3685	3689	3697	rVB2	128458	270896	10.92%	0.745%
53	24.827	3708	3713	3725	rVB3	265042	617600	24.90%	1.700%

Sum of corrected areas: 36338546

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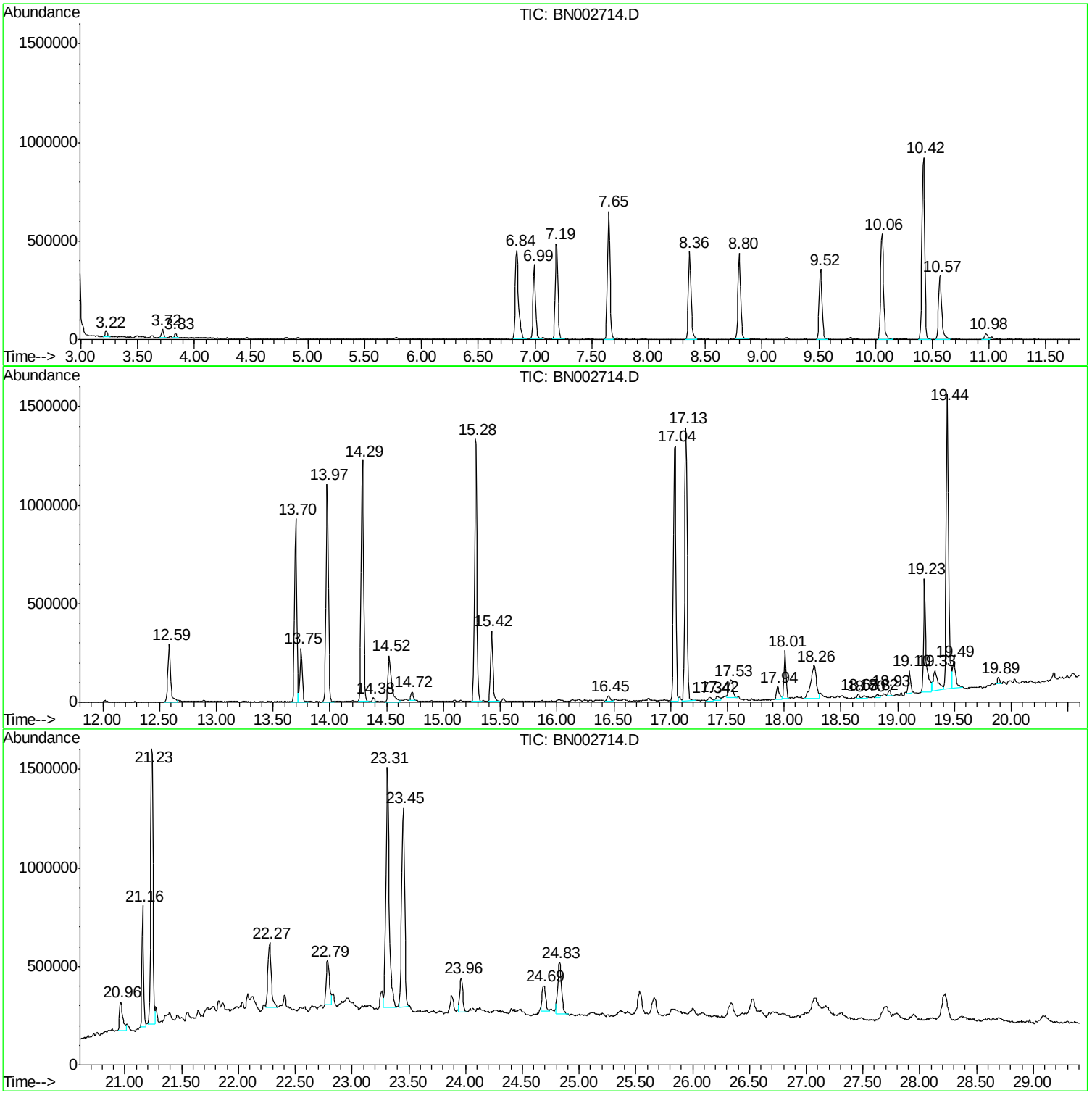
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DB3P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST11.L
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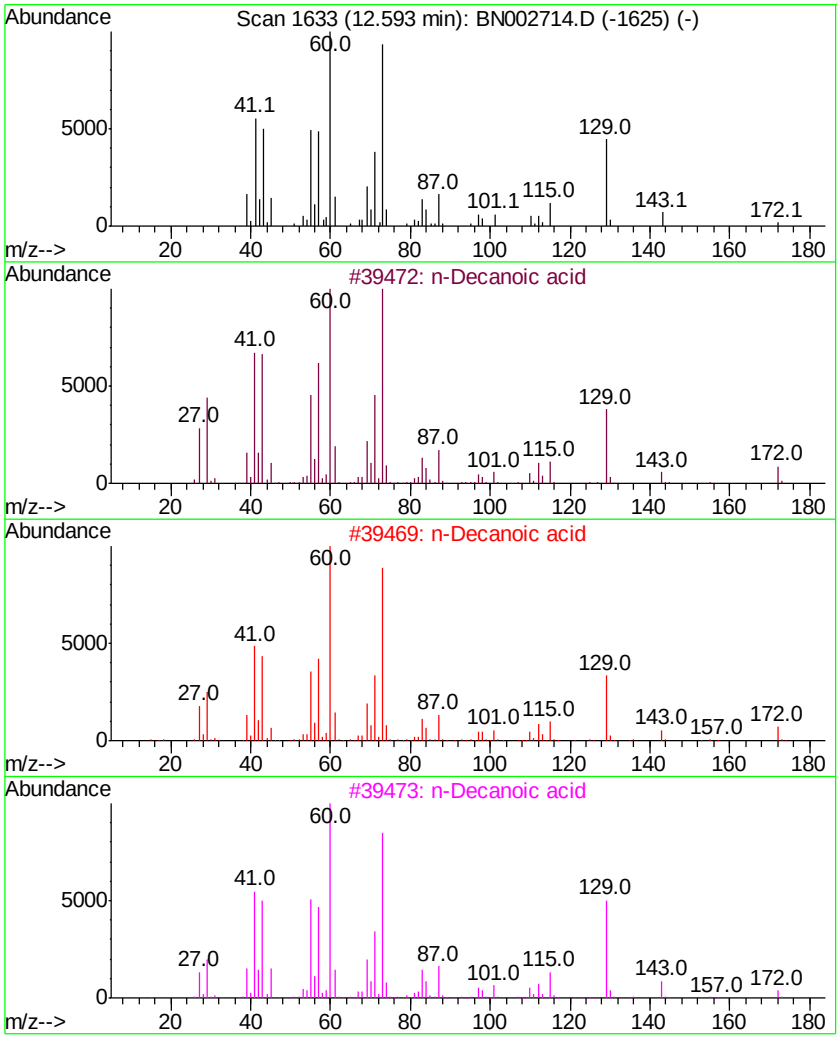
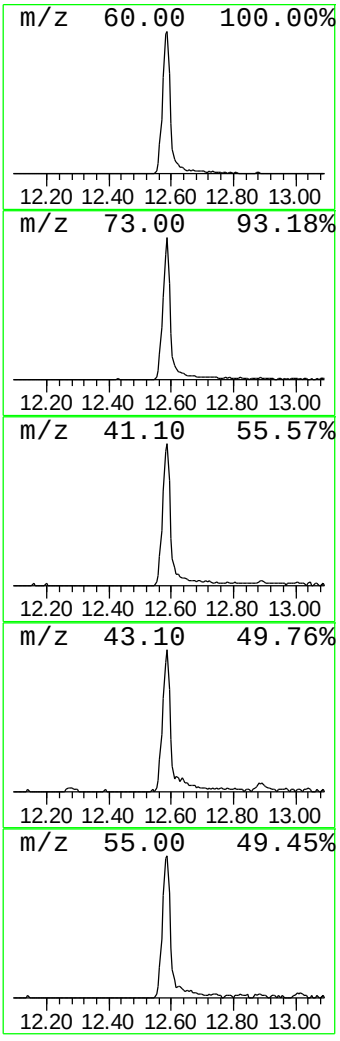
****

Peak Number 1 n-Decanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	5.55 ng/ul	509096	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Decanoic acid	172	C10H20O2	000334-48-5	93
2	n-Decanoic acid	172	C10H20O2	000334-48-5	90
3	n-Decanoic acid	172	C10H20O2	000334-48-5	87
4	n-Decanoic acid	172	C10H20O2	000334-48-5	86
5	n-Decanoic acid	172	C10H20O2	000334-48-5	72





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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DB3P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

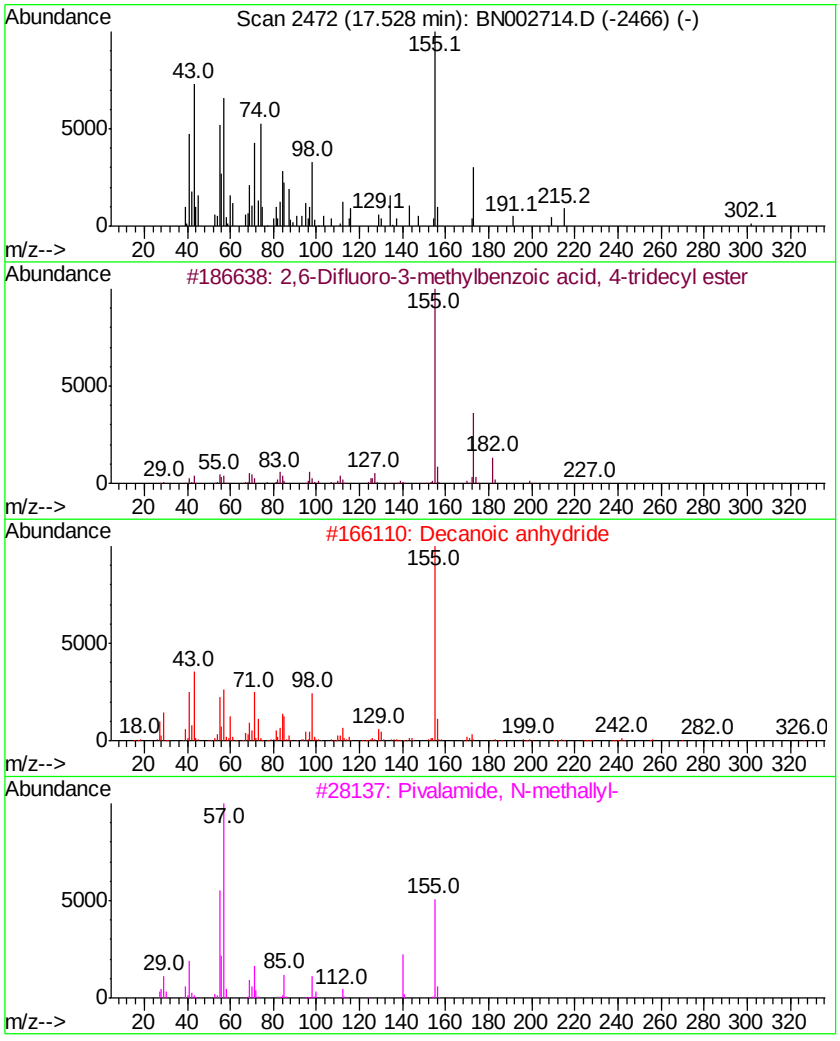
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

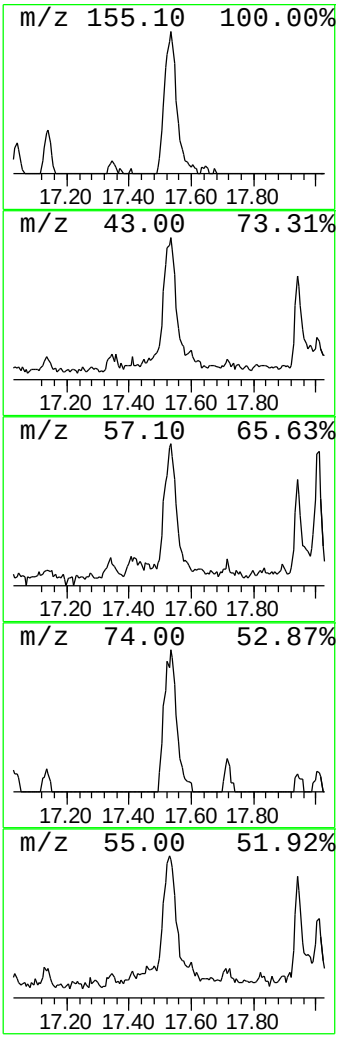
****

Peak Number 2 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	2.54 ng/ul	238038	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Difluoro-3-methylbenzoic aci...	354	C21H32F2O2	1000338-58-3	47
2	Decanoic anhydride	326	C20H38O3	002082-76-0	43
3	Pivalamide, N-methallyl-	155	C9H17NO	1000345-72-5	43
4	2,6-Difluoro-3-methylbenzoic aci...	354	C21H32F2O2	1000338-58-4	38
5	2,6-Difluoro-3-methylbenzoic aci...	382	C23H36F2O2	1000338-59-2	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\
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Acq On : 15 Sep 2018 06:00
Operator : JU/SJ
Sample : J4865-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DB3P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

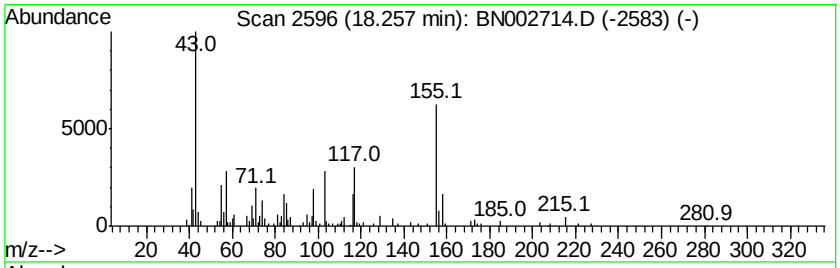
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

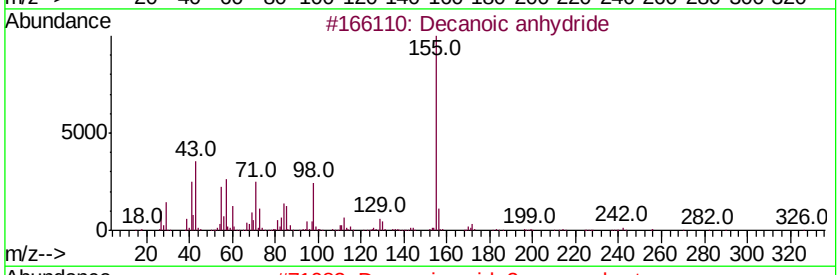
****

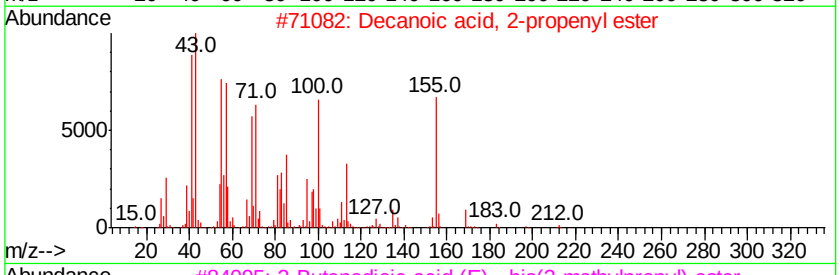
Peak Number 3 unknown-02 Concentration Rank 4

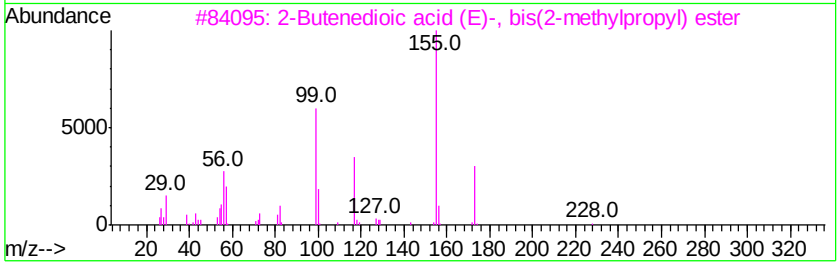
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	6.07 ng/ul	569311	Phenanthrene-d10	17.04

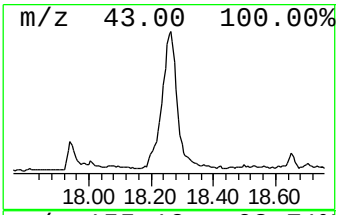
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanoic anhydride	326	C20H38O3	002082-76-0	43
2	Decanoic acid, 2-propenyl ester	212	C13H24O2	057856-81-2	27
3	2-Butenedioic acid (E)-, bis(2-m...	228	C12H20O4	007283-69-4	25
4	Fumaric acid, butyl 2-hexyl ester	256	C14H24O4	1000348-74-2	25
5	Quinazoline-4-carbonitrile	155	C9H5N3	036082-71-0	25

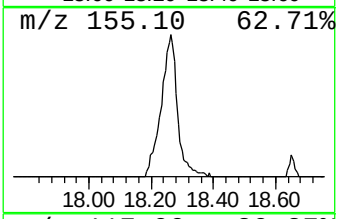


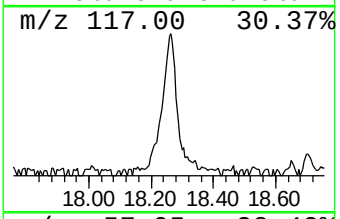


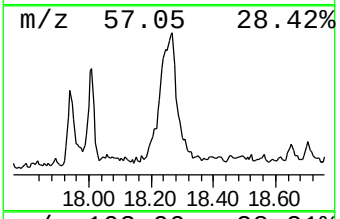


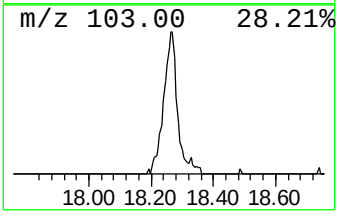












Library Search Compound Report

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Misc :
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Instrument : BNA_N
ClientSampleId : DB3P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

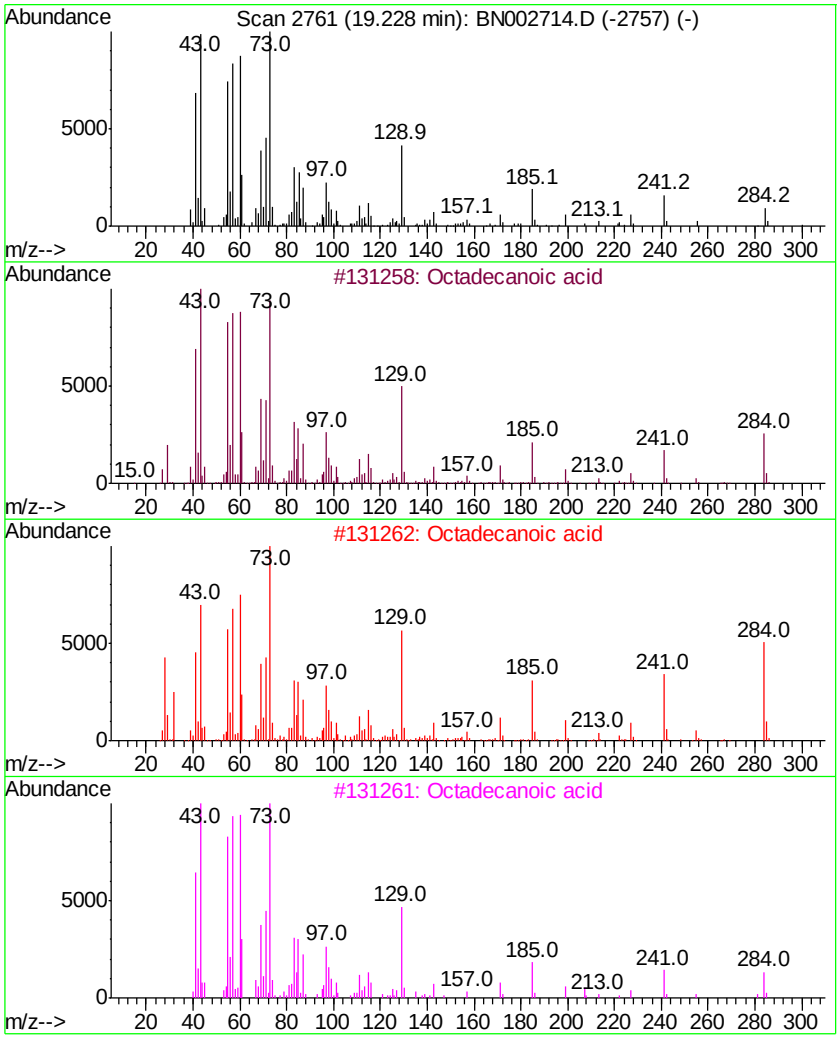
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

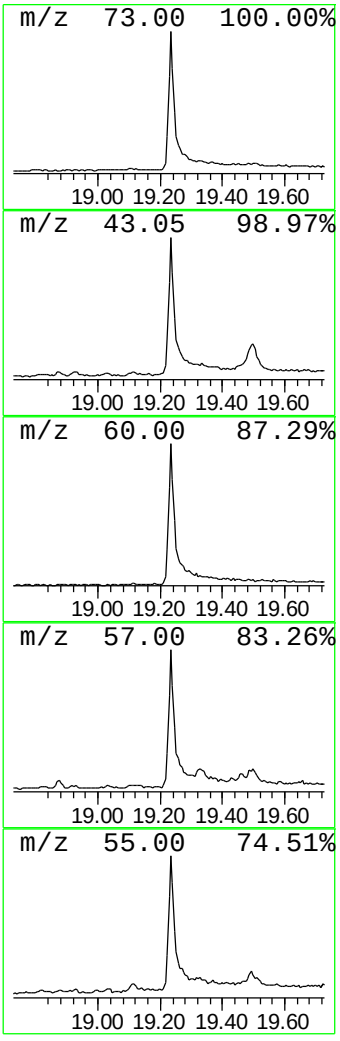
****

Peak Number 4 Octadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	9.43 ng/ul	915229	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	98
3	Octadecanoic acid	284	C18H36O2	000057-11-4	95
4	Octadecanoic acid	284	C18H36O2	000057-11-4	93
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	91





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Quant Title : SVOA CALIBRATION

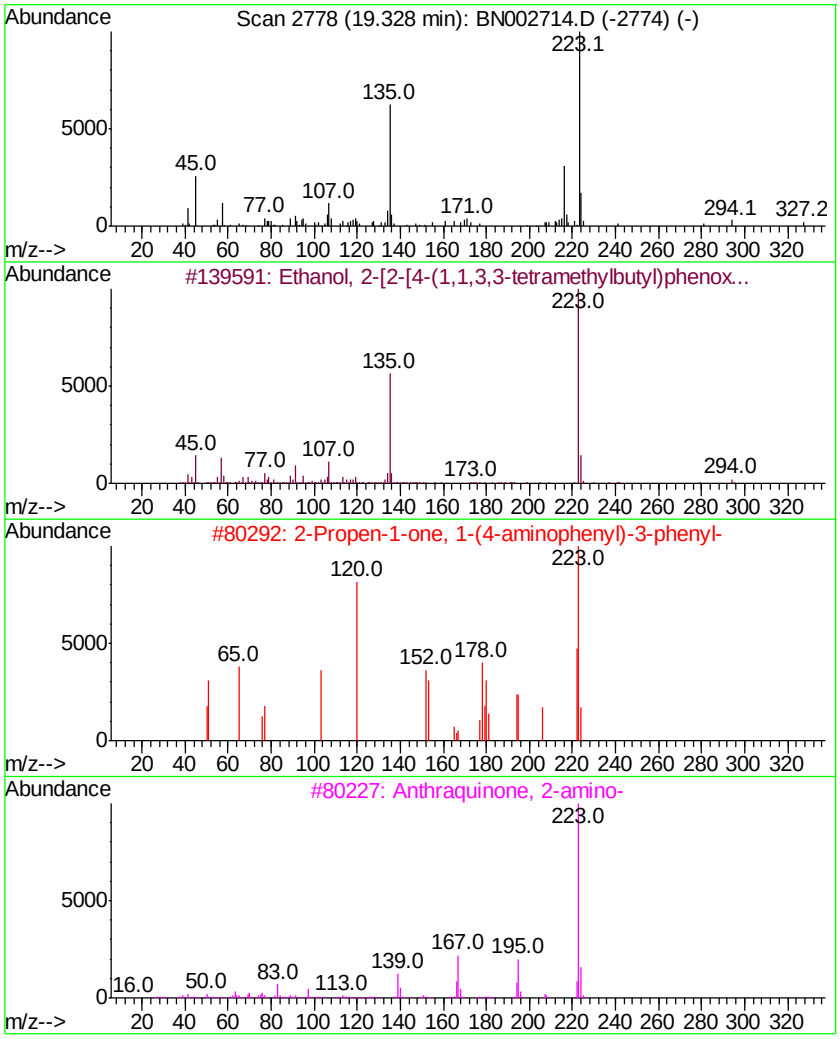
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

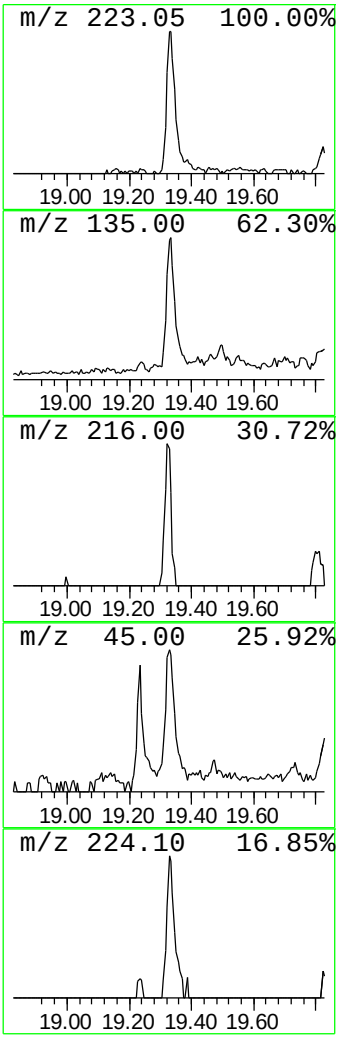
****

Peak Number 5 Ethanol, 2-[2-[4-(1,1,3,3-t... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	2.89 ng/ul	280828	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[2-[4-(1,1,3,3-tetram...	294	C18H30O3	002315-61-9	93
2	2-Propen-1-one, 1-(4-aminophenyl...	223	C15H13NO	002403-30-7	43
3	Anthraquinone, 2-amino-	223	C14H9NO2	000117-79-3	35
4	Ethyl 3-[3-amino-5-methoxyphenyl...	223	C12H17NO3	1000213-27-3	35
5	Benzenamine, 3-(5-methyl-1H-1,3-...	223	C14H13N3	1000319-43-9	35





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Quant Title : SVOA CALIBRATION

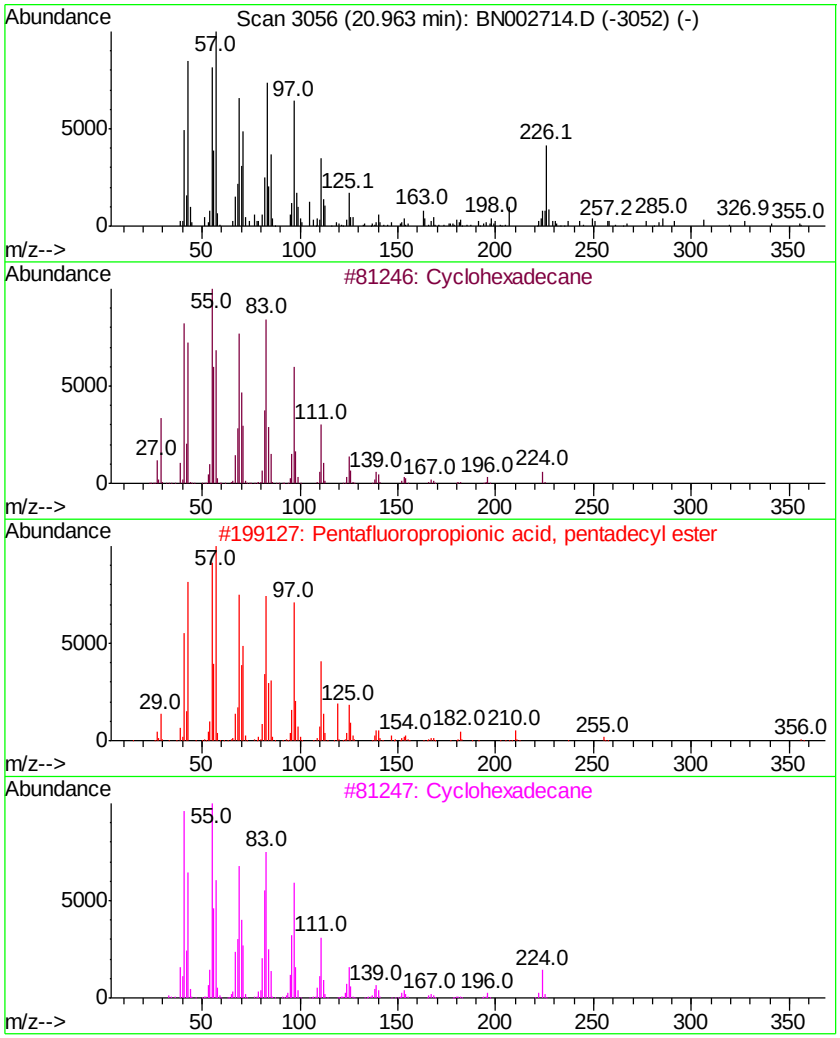
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

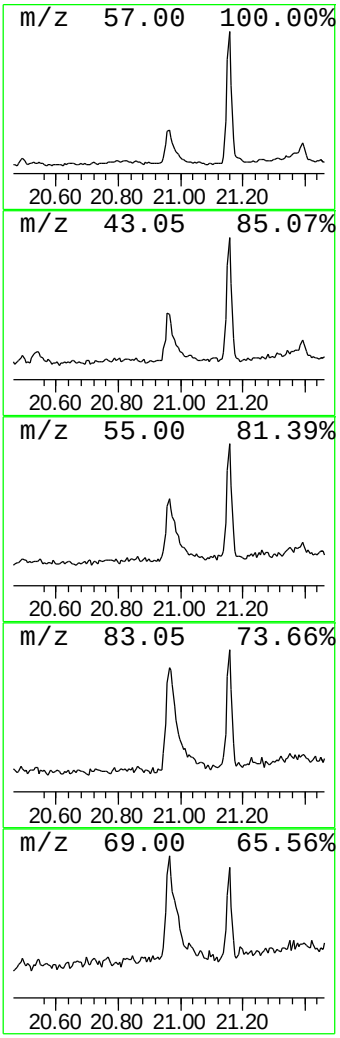
****

Peak Number 6 (DEL) Alkane: Cyclic20.96 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	2.96 ng/ul	286952	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	97
2	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	90
3	Cyclohexadecane	224	C16H32	000295-65-8	89
4	1-Tricosene	322	C23H46	018835-32-0	81
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	81





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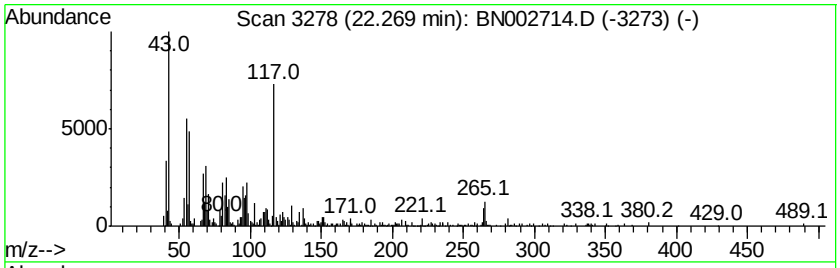
Quant Title : SVOA CALIBRATION

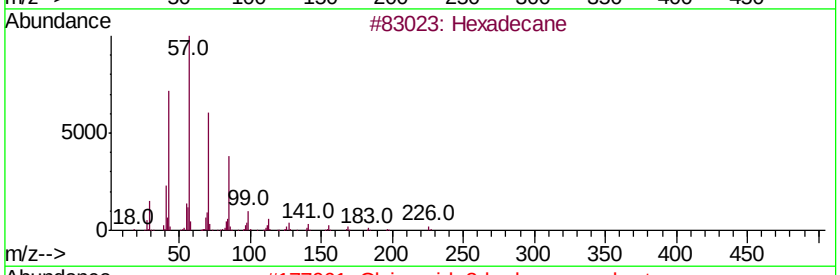
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

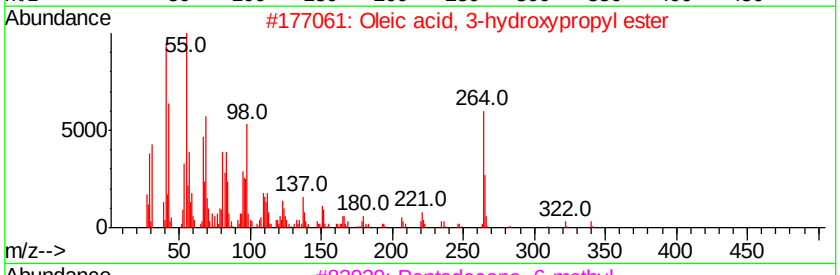
****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 2

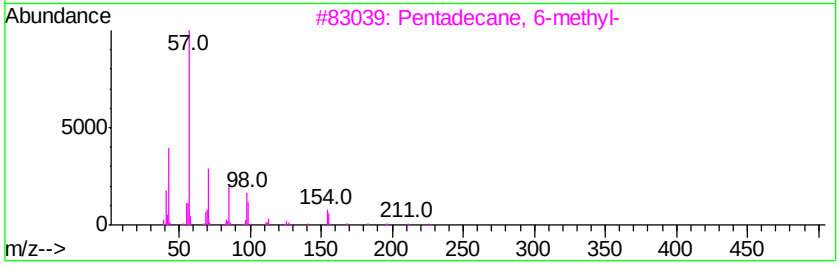
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.27	7.16 ng/ul	694816	Chrysene-d12	21.23

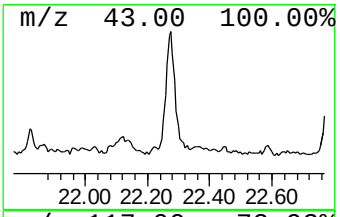
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	25
2	Oleic acid, 3-hydroxypropyl ester	340	C21H40O3	000821-17-0	25
3	Pentadecane, 6-methyl-	226	C16H34	010105-38-1	18
4	9-Octadecenoic acid (Z)-, 2-hydr...	326	C20H38O3	004500-01-0	18
5	p-Nitrophenyl nonyl ether	265	C15H23NO3	086702-46-7	18

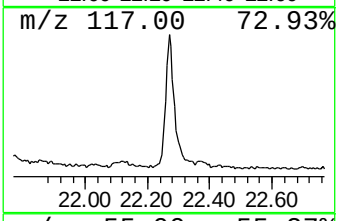


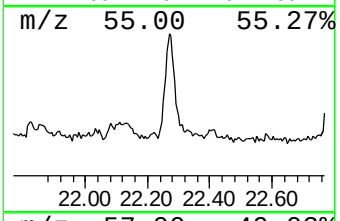


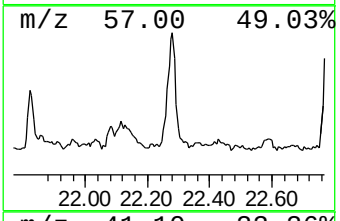


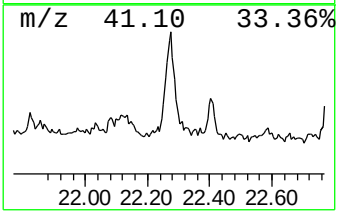












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Acq On : 15 Sep 2018 06:00
Operator : JU/SJ
Sample : J4865-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DB3P4

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Quant Title : SVOA CALIBRATION

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

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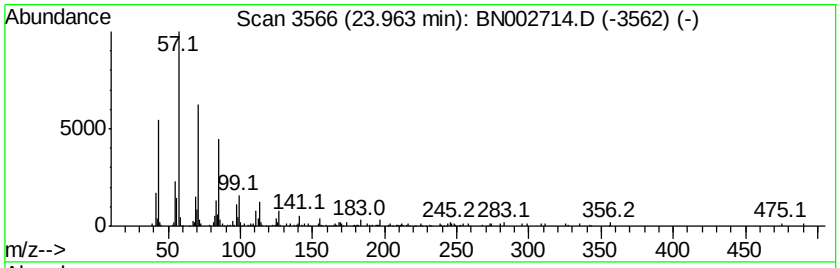
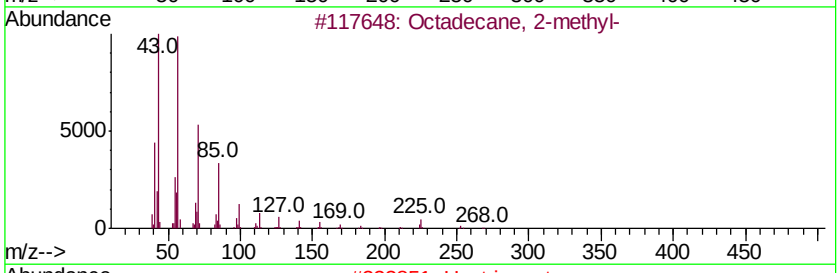
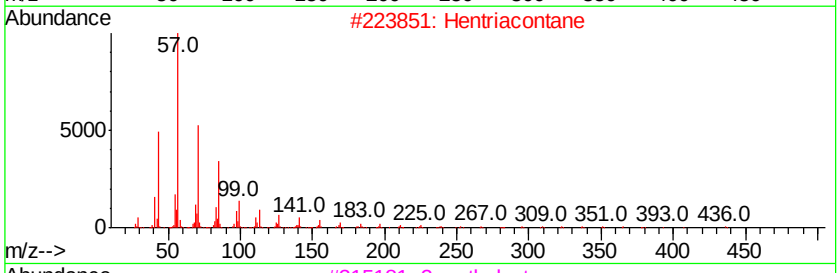
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 6

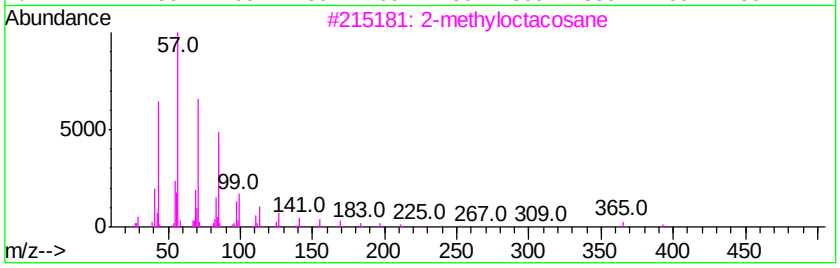
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.96	3.28 ng/ul	310062	Perylene-d12	23.45

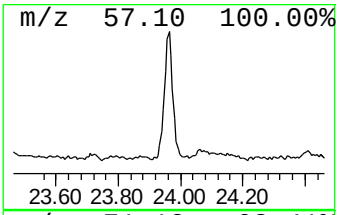
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
2	Hentriacontane	437	C31H64	000630-04-6	90
3	2-methyloctacosane	408	C29H60	1000376-72-8	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	Hexacosane	366	C26H54	000630-01-3	90

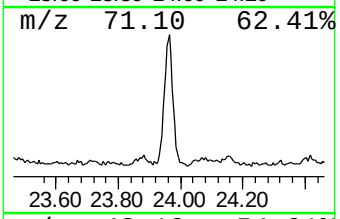


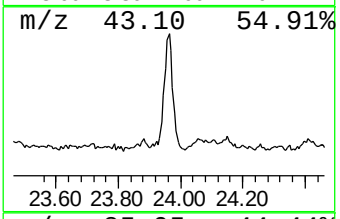


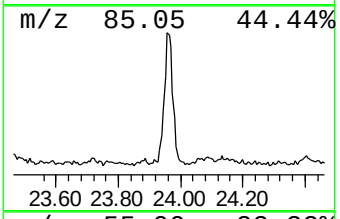


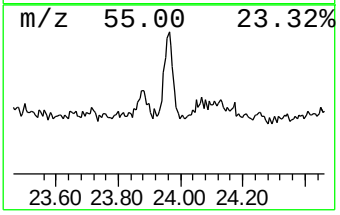












Library Search Compound Report

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Operator : JU/SJ
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Misc :
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Instrument : BNA_N
ClientSampleId : DB3P4

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Quant Title : SVOA CALIBRATION

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

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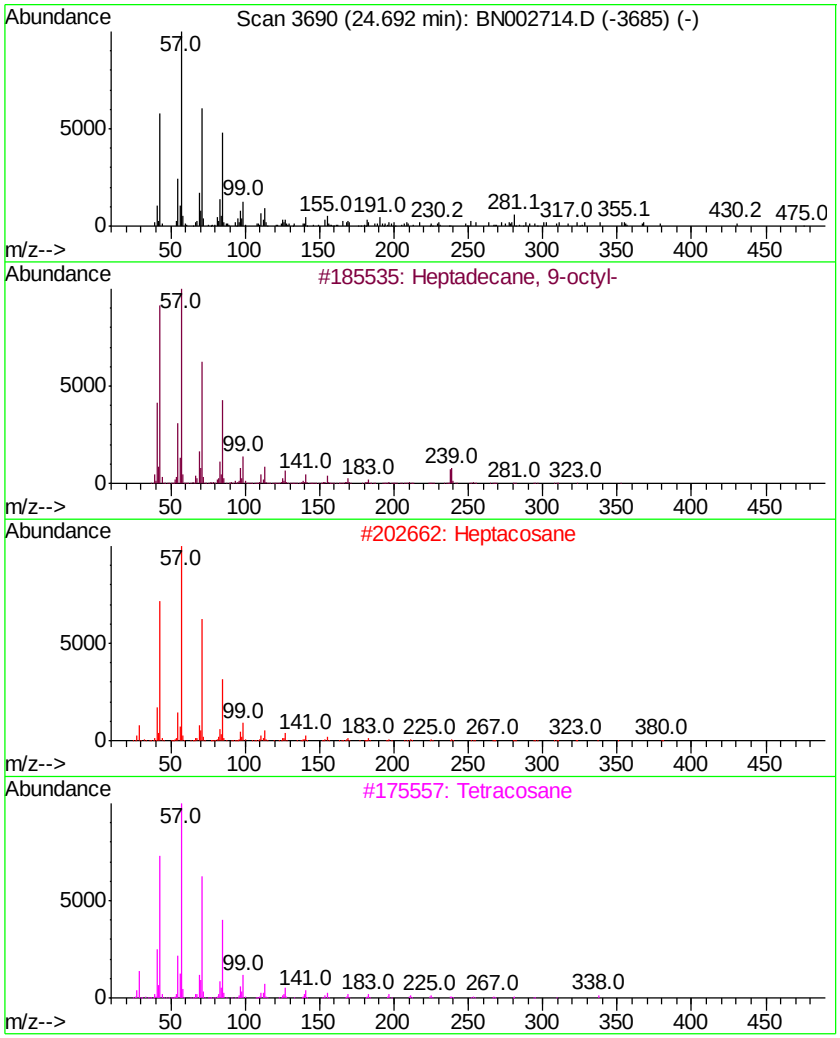
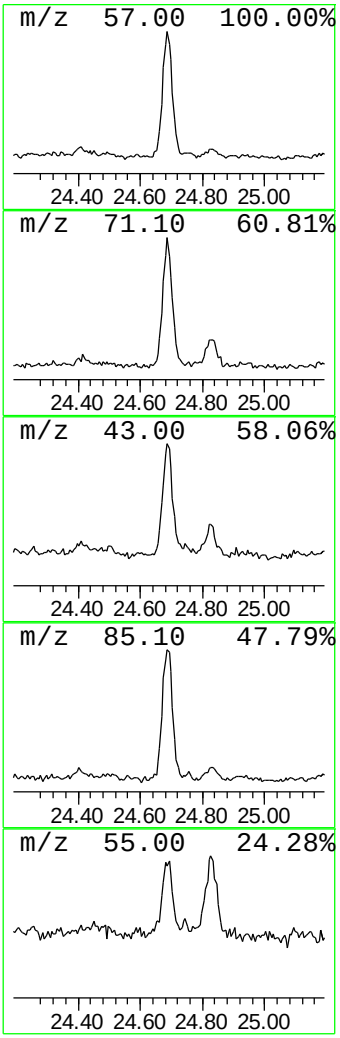
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.69	2.86 ng/ul	270896	Perylene-d12	23.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83
2	Heptacosane	380	C27H56	000593-49-7	83
3	Tetracosane	338	C24H50	000646-31-1	83
4	Pentacosane	352	C25H52	000629-99-2	83
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	83





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Misc :
ALS Vial : 31 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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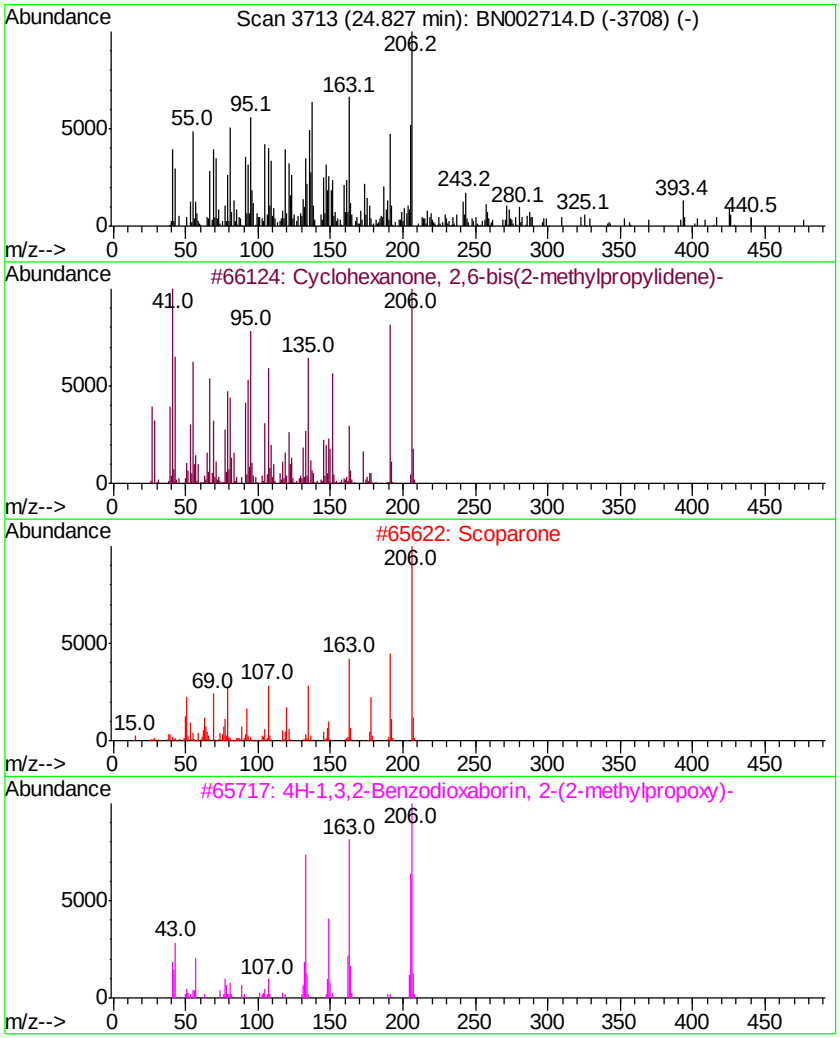
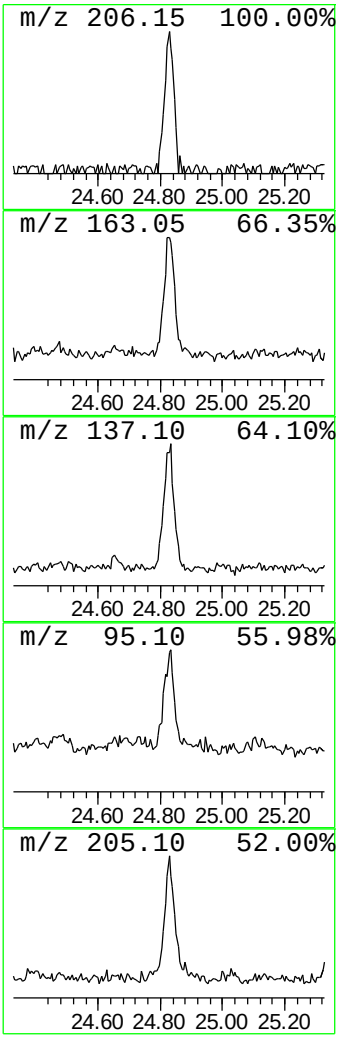
Peak Number 10 Cyclohexanone, 2,6-bis(2-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.83	6.53 ng/ul	617600	Perylene-d12	23.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2,6-bis(2-methylp...	206	C14H22O	092368-82-6	55
2	Scoparone	206	C11H10O4	000120-08-1	46
3	4H-1,3,2-Benzodioxaborin, 2-(2-m...	206	C11H15BO3	055162-71-5	38
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	35
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	35





Tentatively Identified Compound (LSC) summary

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Operator : JU/SJ
Sample : J4865-16
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA 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
n-Decanoic acid	12.59	5.5	ng/ul	509096	3	14.29	1833820	20.0
unknown-01	17.53	2.5	ng/ul	238038	4	17.04	1874320	20.0
unknown-02	18.26	6.1	ng/ul	569311	4	17.04	1874320	20.0
Octadecanoic acid	19.23	9.4	ng/ul	915229	5	21.23	1940950	20.0
Ethanol, 2-[2-[4-...	19.33	2.9	ng/ul	280828	5	21.23	1940950	20.0
(DEL) Alkane: Cyc...	20.96	3.0	ng/ul	286952	5	21.23	1940950	20.0
(DEL) Alkane: Str...	22.27	7.2	ng/ul	694816	5	21.23	1940950	20.0
(DEL) Alkane: Str...	23.96	3.3	ng/ul	310062	6	23.45	1892850	20.0
(DEL) Alkane: Str...	24.69	2.9	ng/ul	270896	6	23.45	1892850	20.0
Cyclohexanone, 2,...	24.83	6.5	ng/ul	617600	6	23.45	1892850	20.0