LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091318\
Data File : BN002672.D
Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

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-BN081318MA.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	3.734	122	127	134	rVB	43342	65263	1.11%	0.101%
2	4.834	307	314	319	rBV	63423	100638	1.72%	0.156%
3	6.852	647	657	668	rBV	183892	339913	5.81%	0.528%
4	7.005	675	683	692	rBV	158582	249383	4.26%	0.388%
5	7.199	710	716	727	rVB	185094	301161	5.14%	0.468%
6	7.657	788	794	801	rBV	569161	924256	15.79%	1.437%
7	8.369	909	915	925	rBV	224698	395622	6.76%	0.615%
8	8.810	983	990	997	rBV	191014	330115	5.64%	0.513%
9	9.528	1104	1112	1121	rBV	129522	229940	3.93%	0.357%
10	10.069	1197	1204	1215	rBV	202376	370642	6.33%	0.576%
11	10.428	1258	1265	1271	rBV	875284	1447366	24.72%	2.250%
12	10.575	1284	1290	1304	rBV	132101	261447	4.47%	0.406%
13	13.610	1801	1806	1811	rBV2	42266	75541	1.29%	0.117%
14	13.704	1817	1822	1826	rBV	459028	612564	10.46%	0.952%
15	13.751	1826	1830	1839	rVB	262186	378301	6.46%	0.588%
16	13.981	1862	1869	1881	rBV	552817	893902	15.27%	1.389%
17	14.292	1914	1922	1928	rBV2	1254859	1921862	32.83%	2.987%
18	14.357	1928	1933	1942	rVB	159701	248041	4.24%	0.386%
19	14.692	1985	1990	1994	rBV	72549	118012	2.02%	0.183%
20	15.086	2051	2057	2061	rBV6	29494	60626	1.04%	0.094%
21	15.292	2086	2092	2097	rBV	671712	981323	16.76%	1.525%
22	15.345	2097	2101	2106	rVB2	155985	215486	3.68%	0.335%
23	15.639	2148	2151	2161	rVB2	45123	81240	1.39%	0.126%
24	15.786	2173	2176	2183	rVB2	32743	67007	1.14%	0.104%
25	16.022	2212	2216	2218	rBV3	74005	113765	1.94%	0.177%
26	16.398	2277	2280	2286	rBV4	37866	59195	1.01%	0.092%
27	16.698	2328	2331	2338	rVB	71140	105414	1.80%	0.164%
28	16.863	2355	2359	2367	rVB	164255	255533	4.36%	0.397%
29	17.045	2384	2390	2393	rBV	1401206	2080257	35.53%	3.233%
30	17.086	2393	2397	2402	rVV	1910593	2643583	45.15%	4.109%
31	17.139	2402	2406	2410	rVV2	710419	1121038	19.15%	1.742%
32	17.175	2410	2412	2418	rVB	382363	480563	8.21%	0.747%
33	17.451	2456	2459	2472	rVB2	102301	215005	3.67%	0.334%
34	17.557	2473	2477	2484	rVB3	114476	200584	3.43%	0.312%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091318\
Data File : BN002672.D
Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

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-BN081318MA.M
Title : SVOA CALIBRATION

35	17.922	2534	2539	2541	rBV	308840	457574	7.82%	0.711%
36	17.969	2541	2547	2554	rVV2	493300	1041660	17.79%	1.619%
37	18.051	2558	2561	2566	rVV	159190	273915	4.68%	0.426%
38	18.110	2567	2571	2575	rVV2	465481	834499	14.25%	1.297%
39	18.151	2575	2578	2583	rVB	310153	407526	6.96%	0.633%
40	18.422	2621	2624	2628	rVB	263600	321923	5.50%	0.500%
41	18.469	2629	2632	2637	rBV2	181557	282433	4.82%	0.439%
42	18.669	2663	2666	2670	rVB2	282465	358371	6.12%	0.557%
43	18.939	2709	2712	2717	rVB	300684	362042	6.18%	0.563%
44	19.110	2736	2741	2748	rBV	2205881	2919202	49.86%	4.537%
45	19.239	2760	2763	2770	rVB4	227962	406251	6.94%	0.631%
46	19.445	2793	2798	2800	rBV2	1035760	1582285	27.03%	2.459%
47	19.474	2800	2803	2811	rVV	2448916	3178037	54.28%	4.940%
48	19.557	2813	2817	2821	rVB2	350904	551602	9.42%	0.857%
49	19.639	2828	2831	2841	rBV3	244519	559566	9.56%	0.870%
50	19.898	2871	2875	2879	rVB	1683207	2020036	34.50%	3.140%
51	20.386	2954	2958	2962	rBV3	721305	960031	16.40%	1.492%
52	20.433	2962	2966	2972	rVB	1013229	1349623	23.05%	2.098%
53	20.727	3013	3016	3021	rVB2	292167	365991	6.25%	0.569%
54	21.245	3098	3104	3108	rBV3	1547356	3096018	52.88%	4.812%
55	21.280	3108	3110	3117	rVB	980020	1185213	20.24%	1.842%
56	21.404	3128	3131	3137	rVB	354823	458746	7.84%	0.713%
57	21.563	3156	3158	3163	rVB2	440304	467974	7.99%	0.727%
58	21.833	3202	3204	3210	rVB2	399717	546134	9.33%	0.849%
59	22.292	3279	3282	3288	rVB	686255	854683	14.60%	1.328%
60	22.792	3362	3367	3374	rBV2	1643285	3047858	52.06%	4.737%
61	23.274	3446	3449	3453	rBV	317095	492659	8.42%	0.766%
62	23.351	3455	3462	3472	rVB3	2598198	5854493	100.00%	9.100%
63	23.468	3477	3482	3487	rBV	691335	1204905	20.58%	1.873%
64	23.980	3563	3569	3583	rVB	2723539	5433469	92.81%	8.445%
65	24.709	3686	3693	3702	rBV	1824491	4000104	68.33%	6.218%
66	25.551	3831	3836	3846	rVB2	608041	1516361	25.90%	2.357%

Sum of corrected areas: 64335772

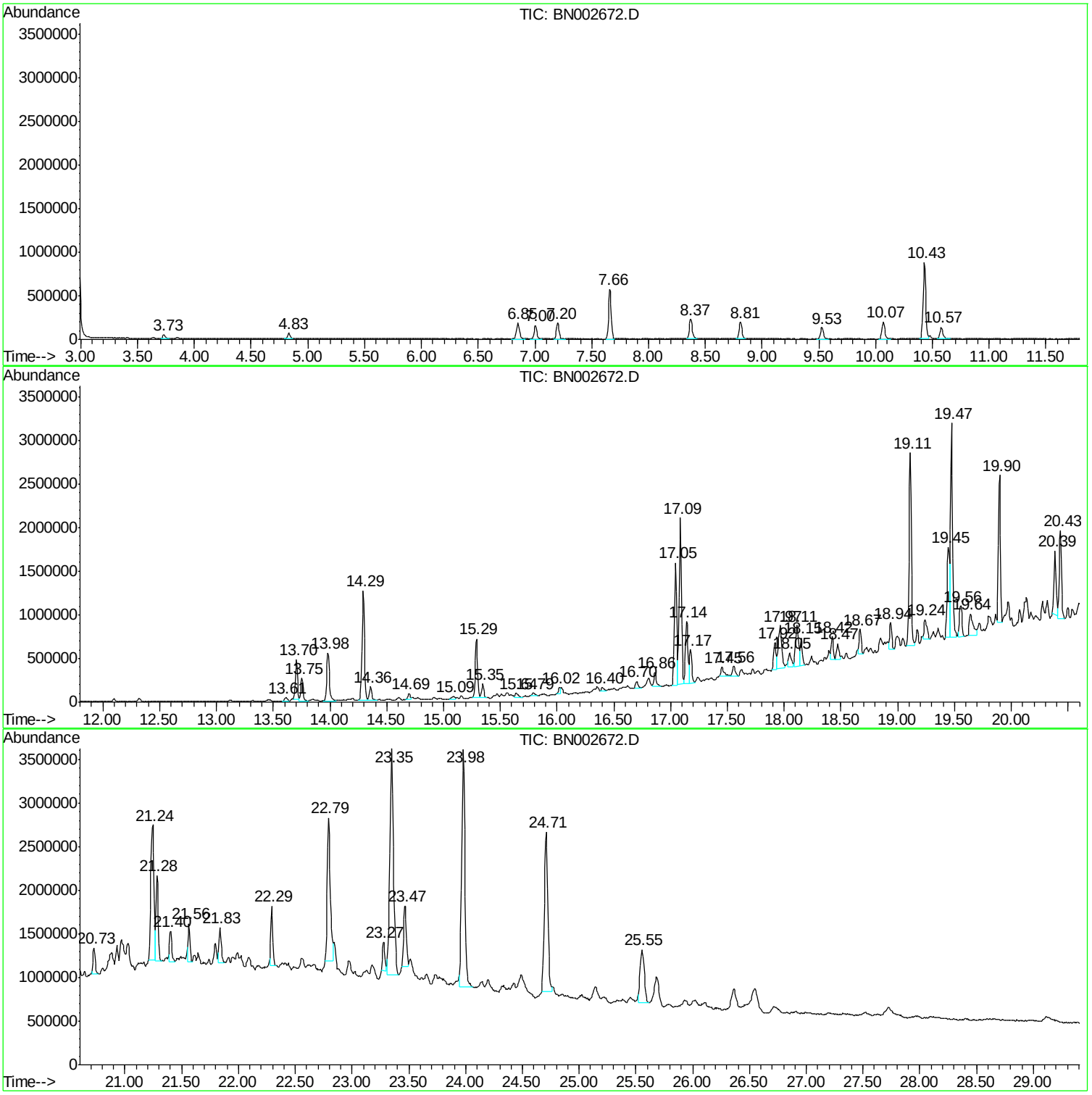
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091318\
Data File : BN002672.D
Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091318\
Data File : BN002672.D
Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

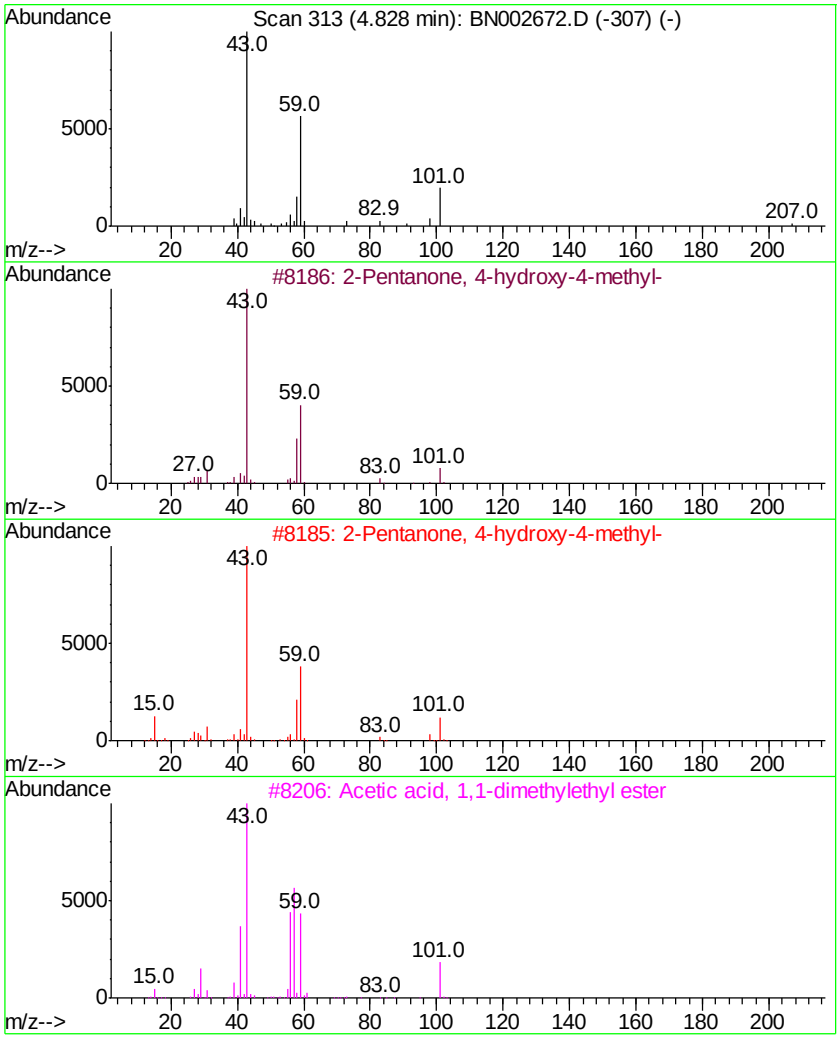
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

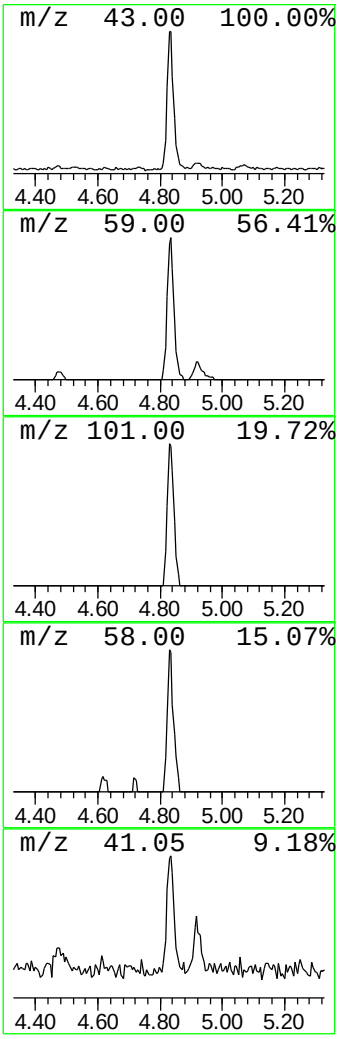
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.83	2.18 ng/ul	100638	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
5	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091318\
Data File : BN002672.D
Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

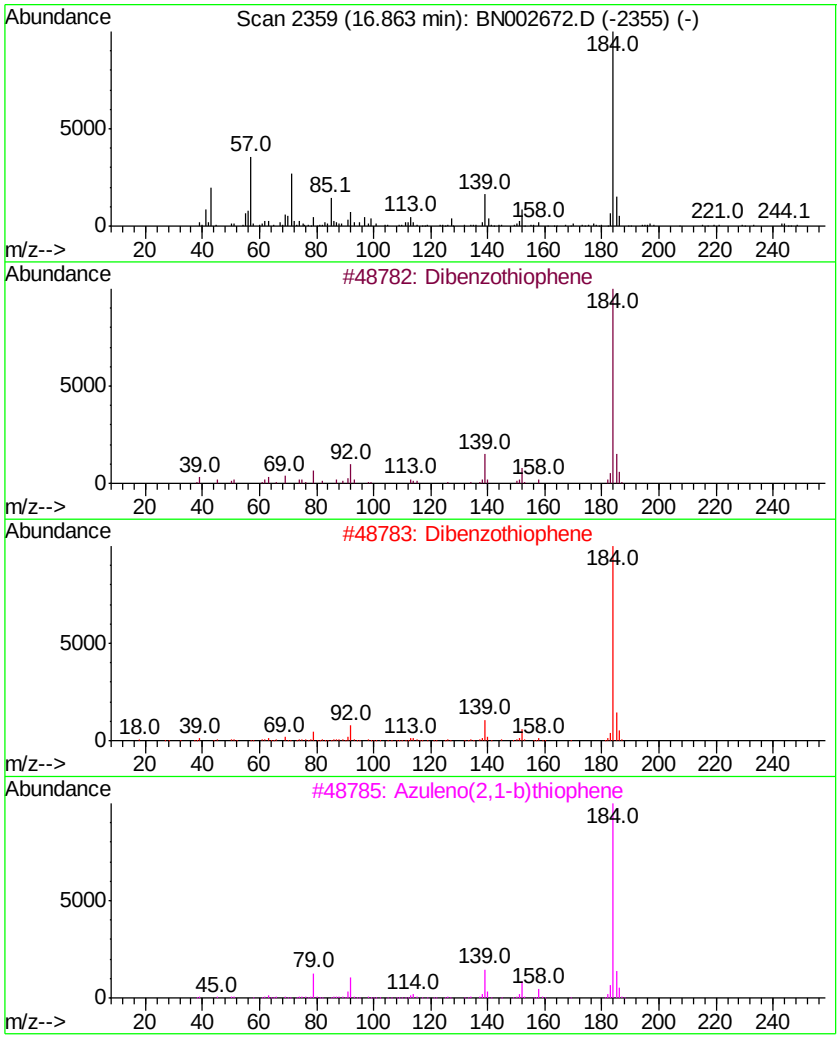
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

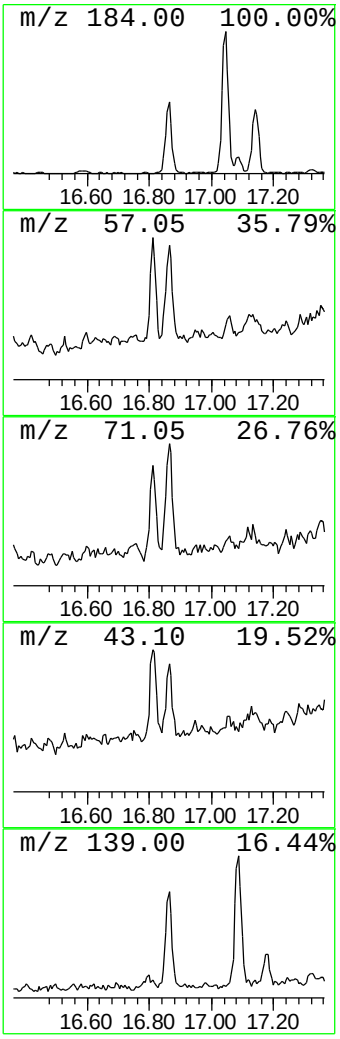
****

Peak Number 2 Dibenzothiophene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	2.46 ng/ul	255533	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	76
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	76
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	76
5	Dibenzothiophene	184	C12H8S	000132-65-0	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091318\
Data File : BN002672.D
Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

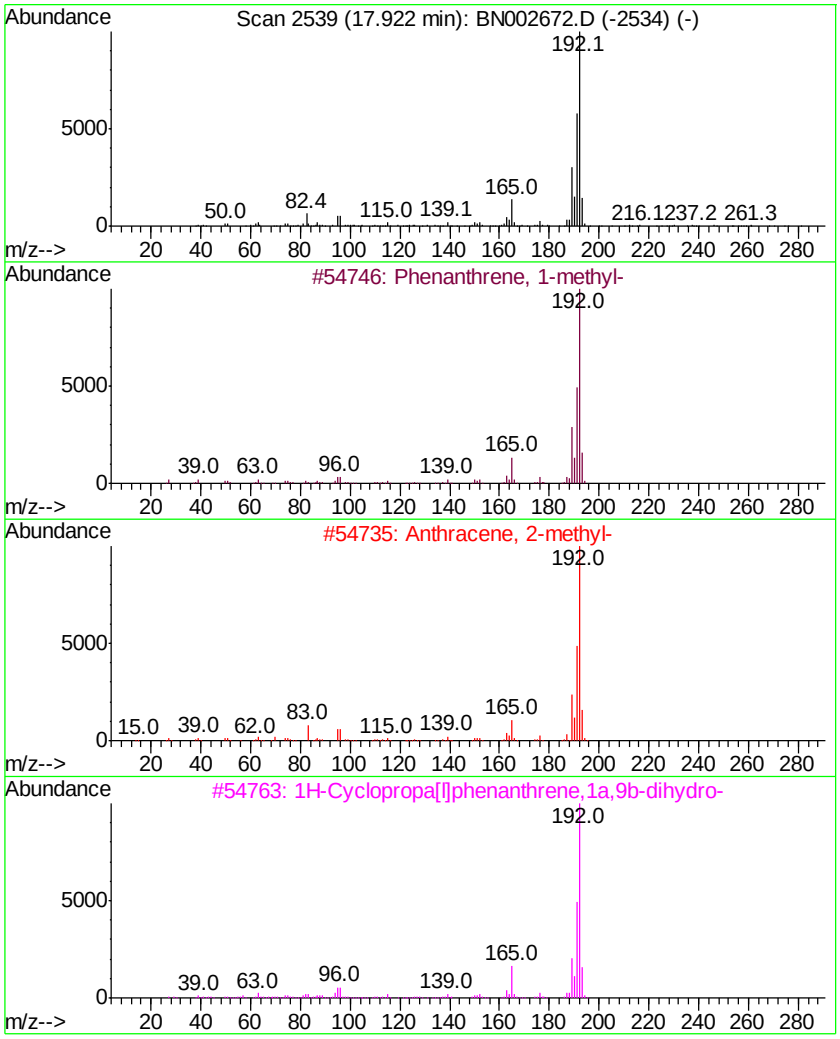
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

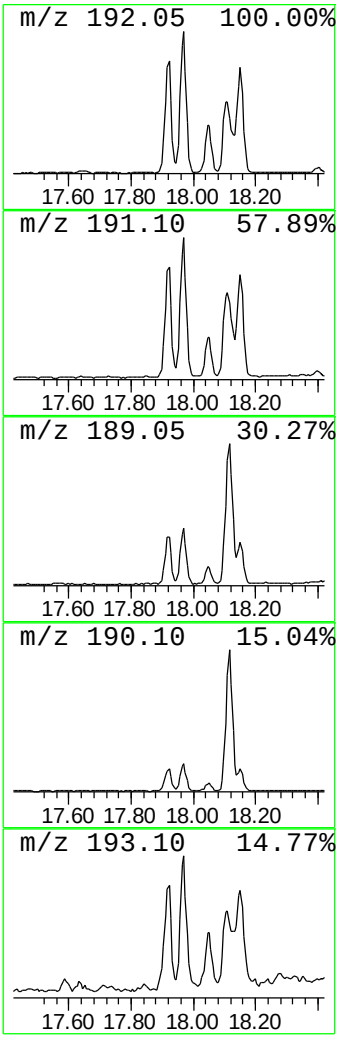
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	4.40 ng/ul	457574	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091318\
Data File : BN002672.D
Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

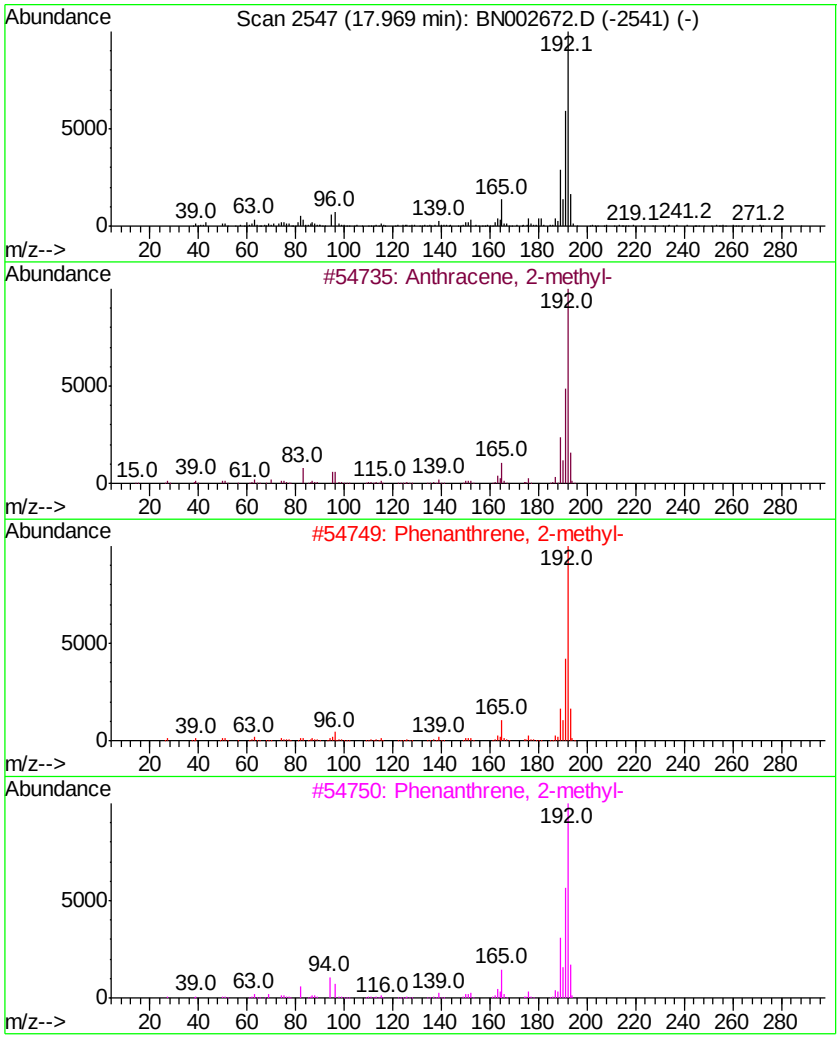
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

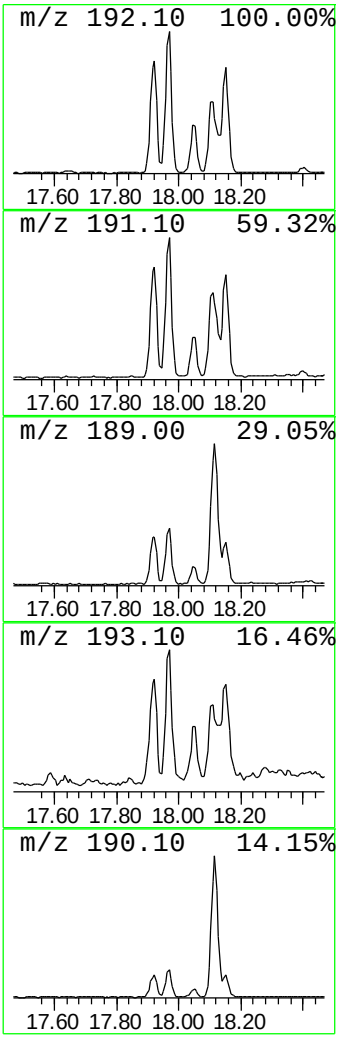
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	10.01 ng/ul	1041660	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091318\
Data File : BN002672.D
Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

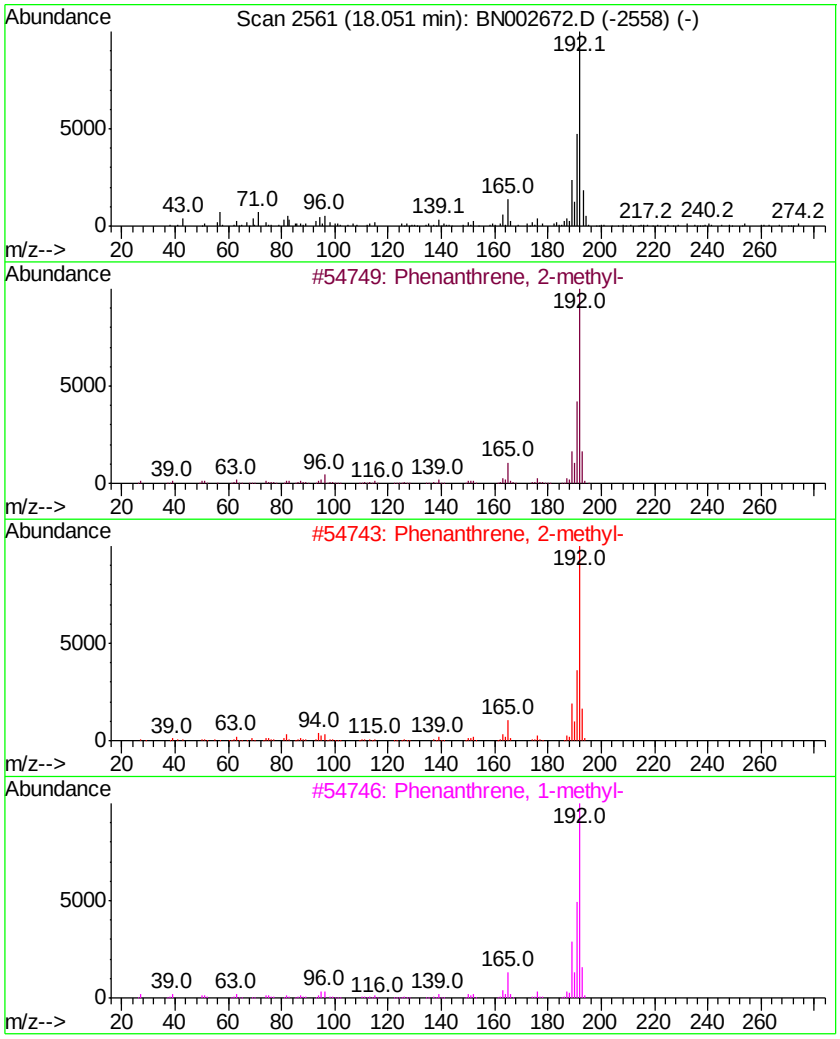
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

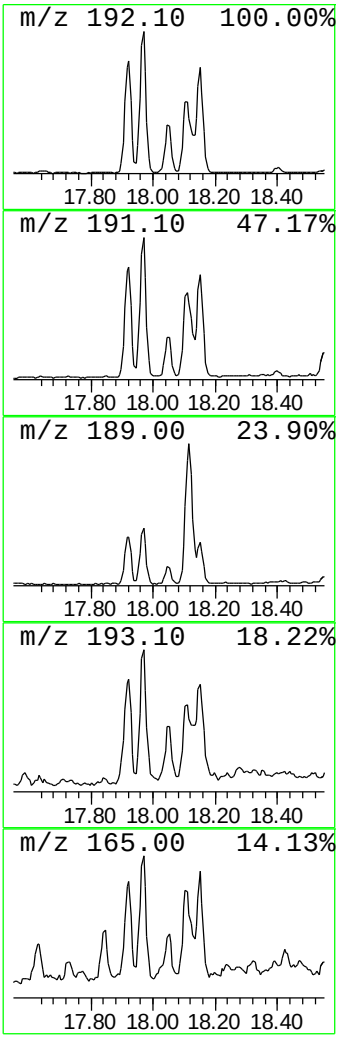
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	2.63 ng/ul	273915	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091318\
Data File : BN002672.D
Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

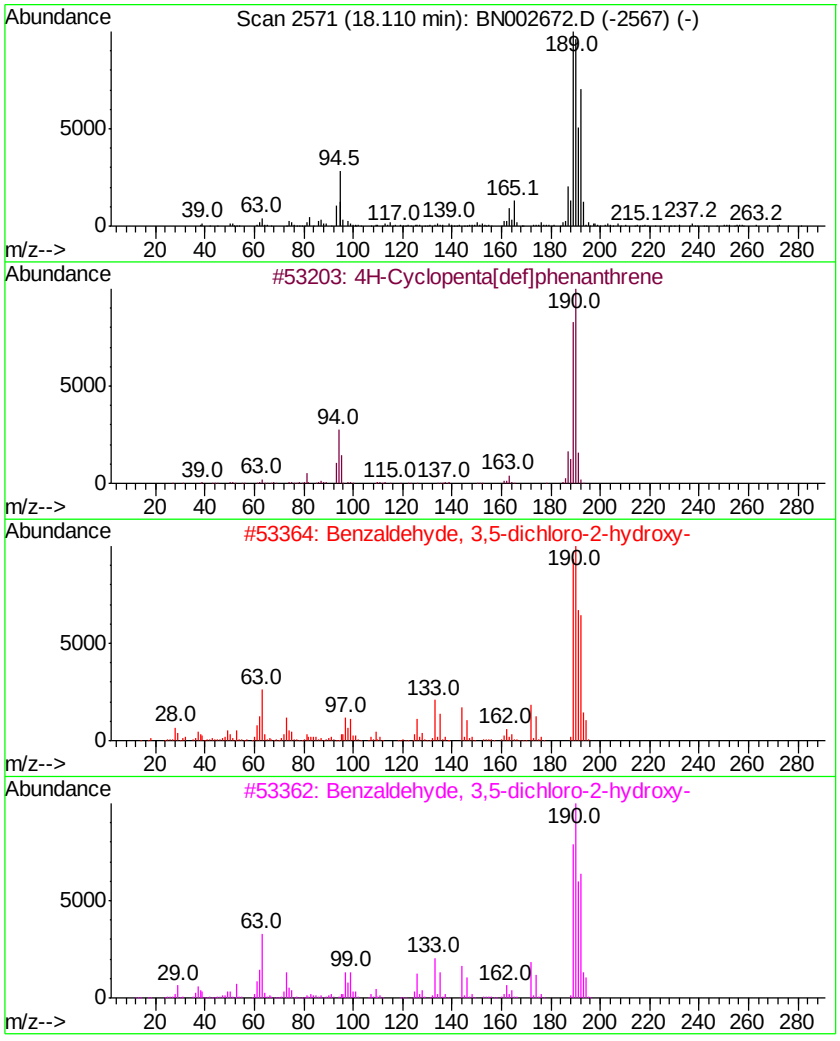
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

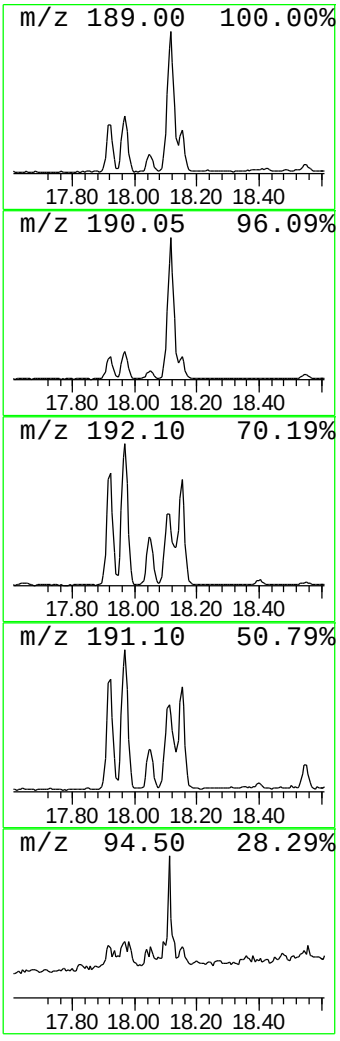
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	8.02 ng/ul	834499	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091318\
Data File : BN002672.D
Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

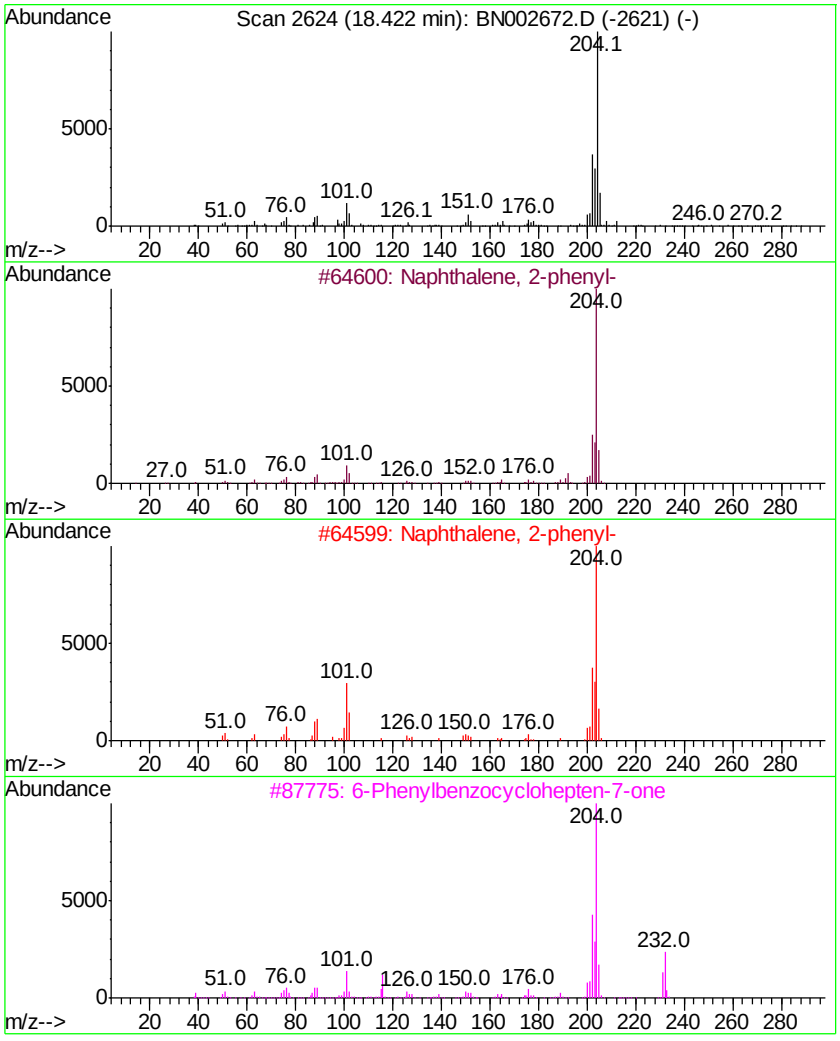
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

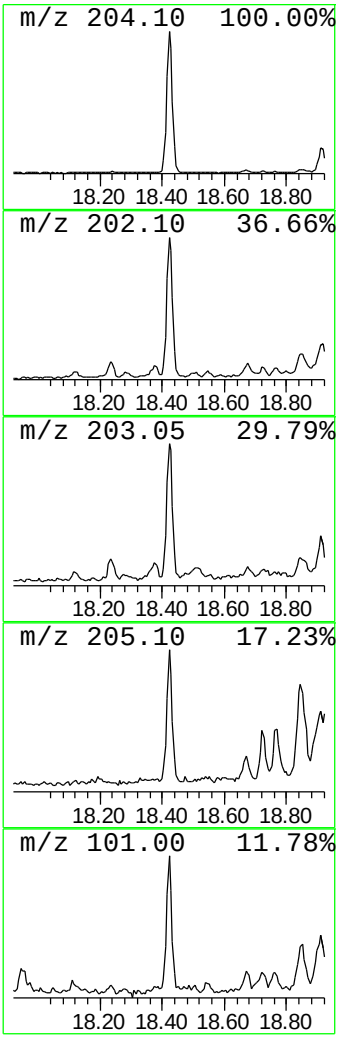
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	3.10 ng/ul	321923	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





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Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

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Quant Title : SVOA CALIBRATION

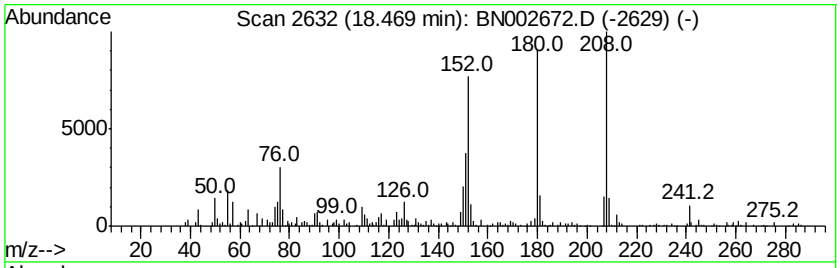
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

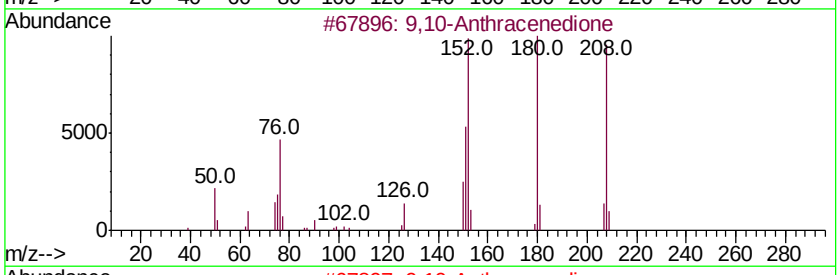
****

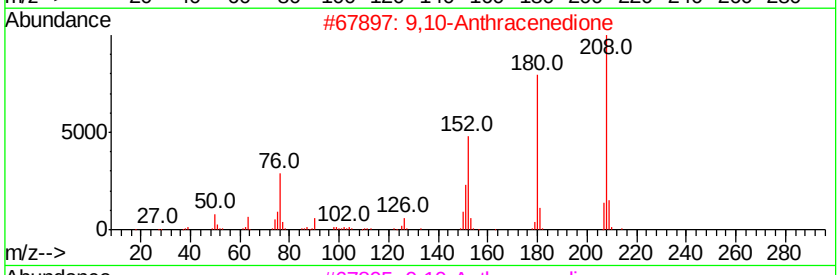
Peak Number 9 9,10-Anthracenedione Concentration Rank 21

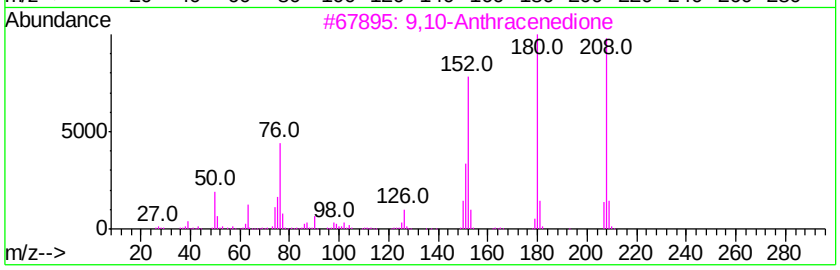
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	2.72 ng/ul	282433	Phenanthrene-d10	17.05

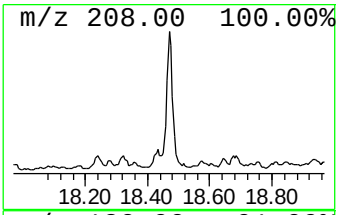
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60

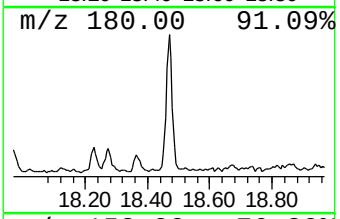


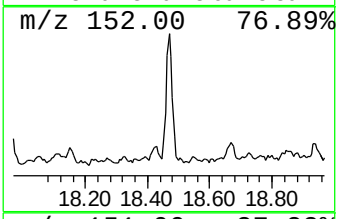


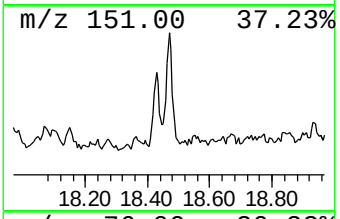


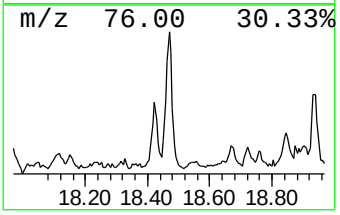












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Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

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Quant Title : SVOA CALIBRATION

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

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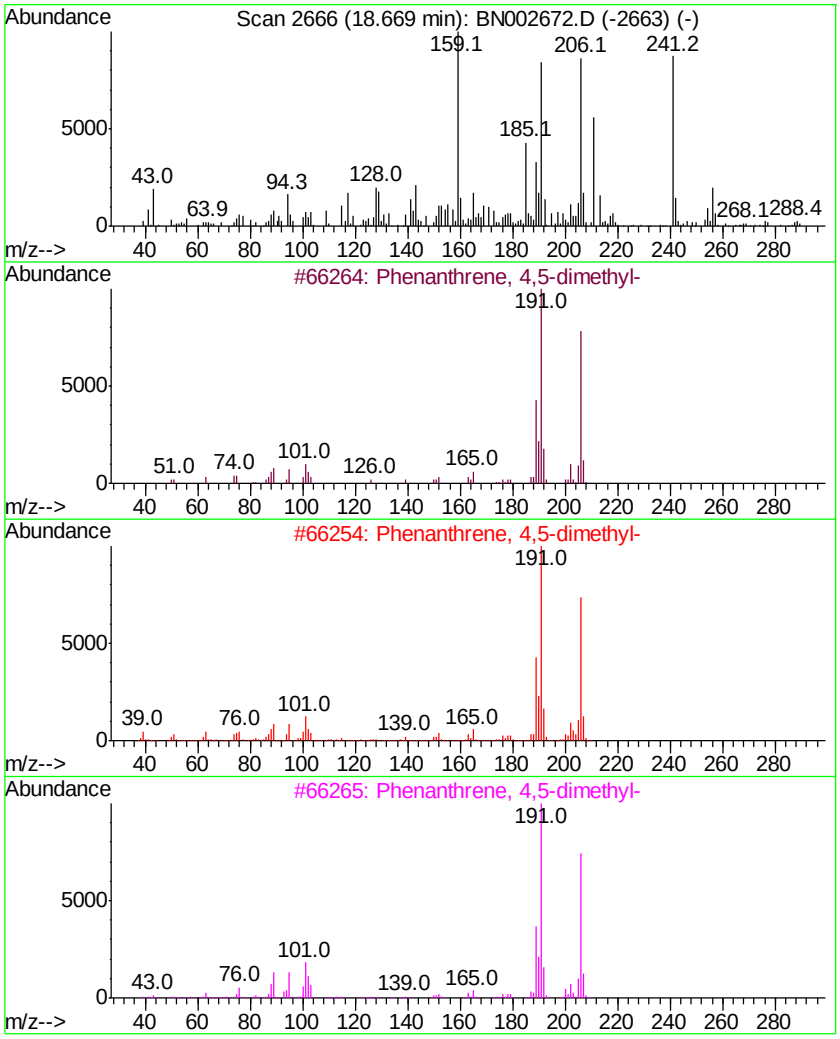
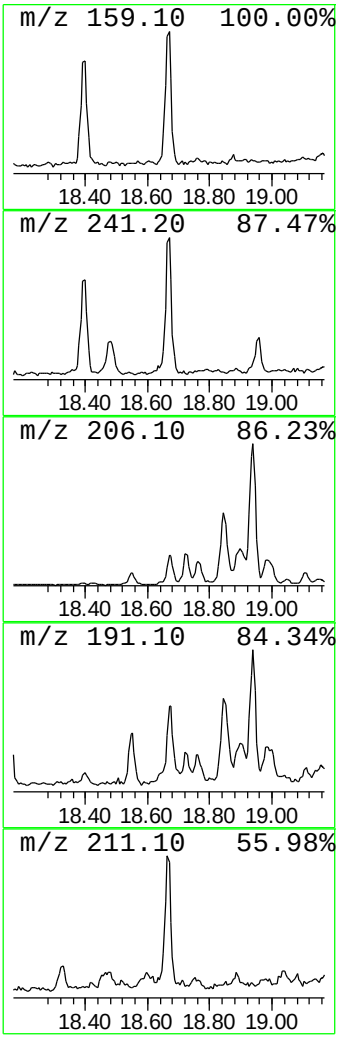
Peak Number 10 Phenanthrene, 4,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	3.45 ng/ul	358371	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	86
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	86
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	83
4	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	83
5	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	81





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Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

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Quant Title : SVOA CALIBRATION

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

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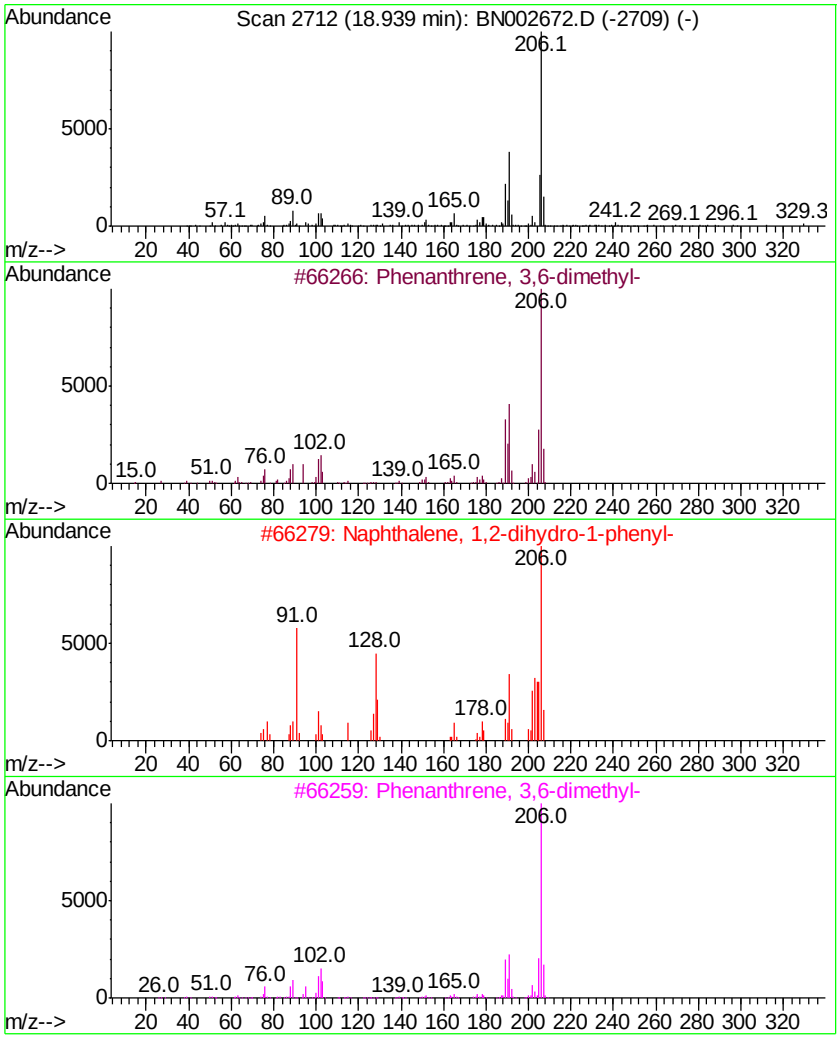
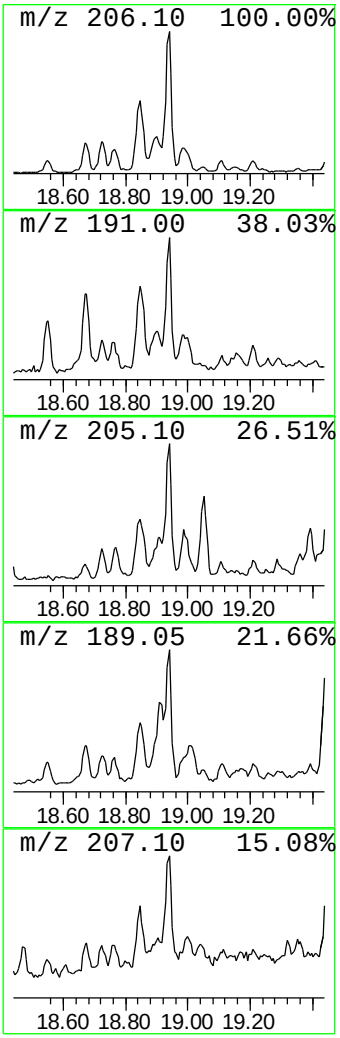
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	3.48 ng/ul	362042	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Library Search Compound Report

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Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

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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 12 Octadecanoic acid Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	2.62 ng/ul	406251	Chrysene-d12	21.24

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	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	99
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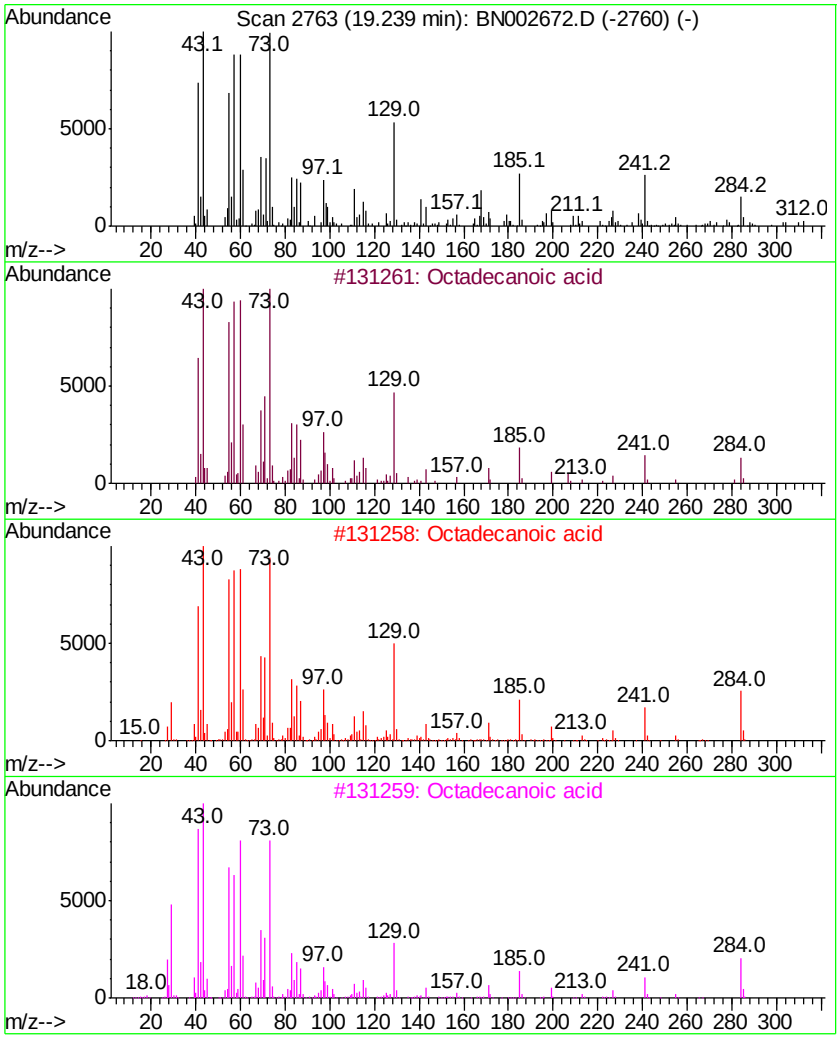
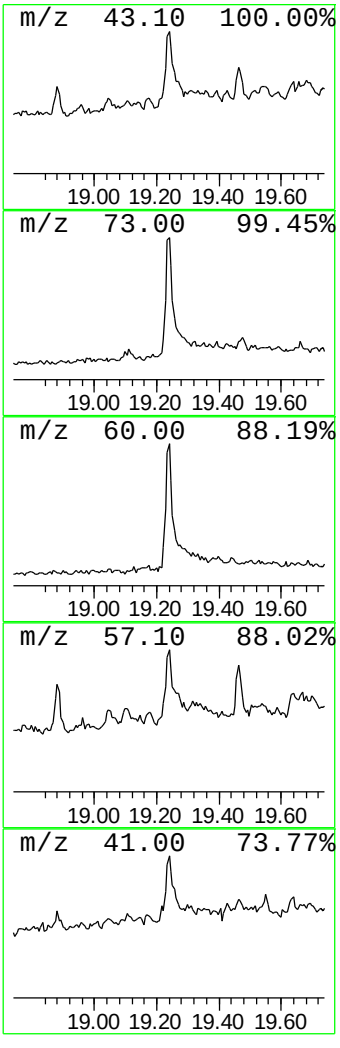
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70





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Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

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Quant Title : SVOA CALIBRATION

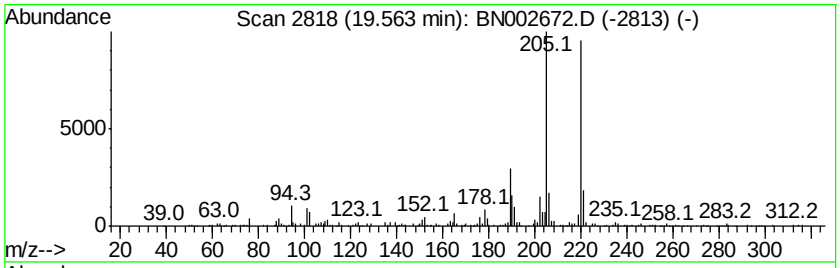
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

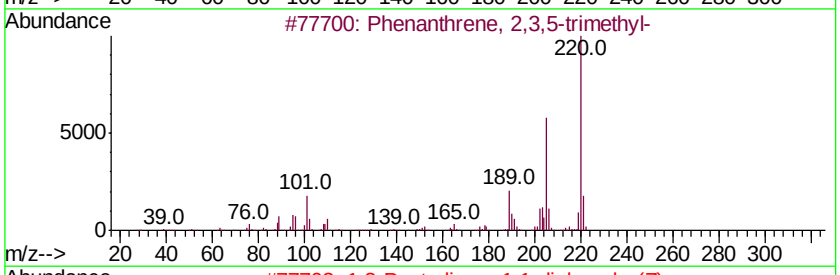
****

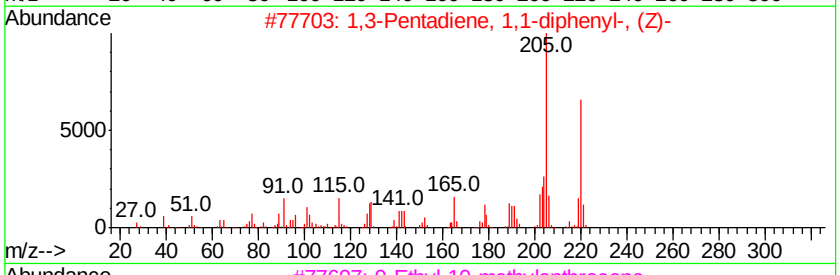
Peak Number 13 1,3-Pentadiene, 1,1-dipheny... Concentration Rank 14

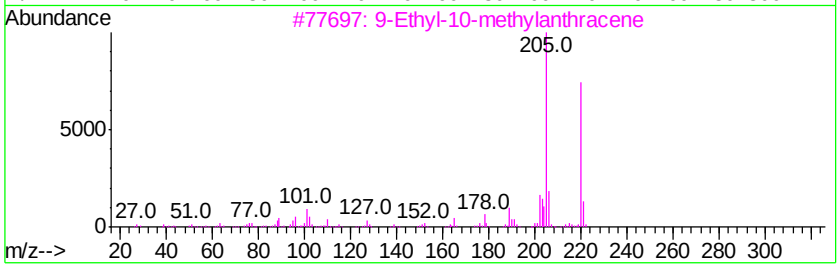
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.56	3.56 ng/ul	551602	Chrysene-d12	21.24

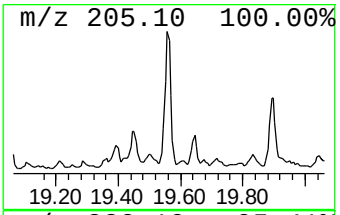
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	90
2	1,3-Pentadiene, 1,1-diphenyl-, (Z)-	220	C17H16	015295-31-5	87
3	9-Ethyl-10-methylanthracene	220	C17H16	019713-49-6	81
4	Naphthalene, 1,4-bis(methylthio)-	220	C12H12S2	010075-73-7	64
5	6-Methyl-4-phenyl-quinazoline	220	C15H12N2	004015-27-4	64

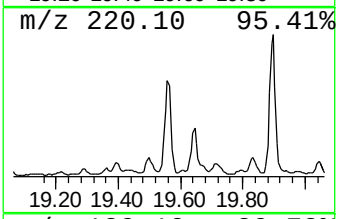


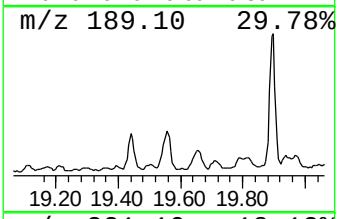


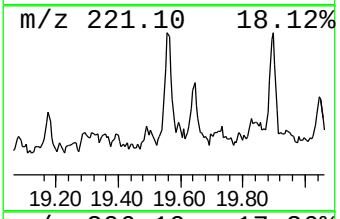


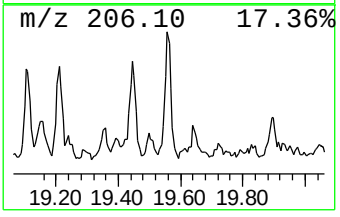












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Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

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Quant Title : SVOA CALIBRATION

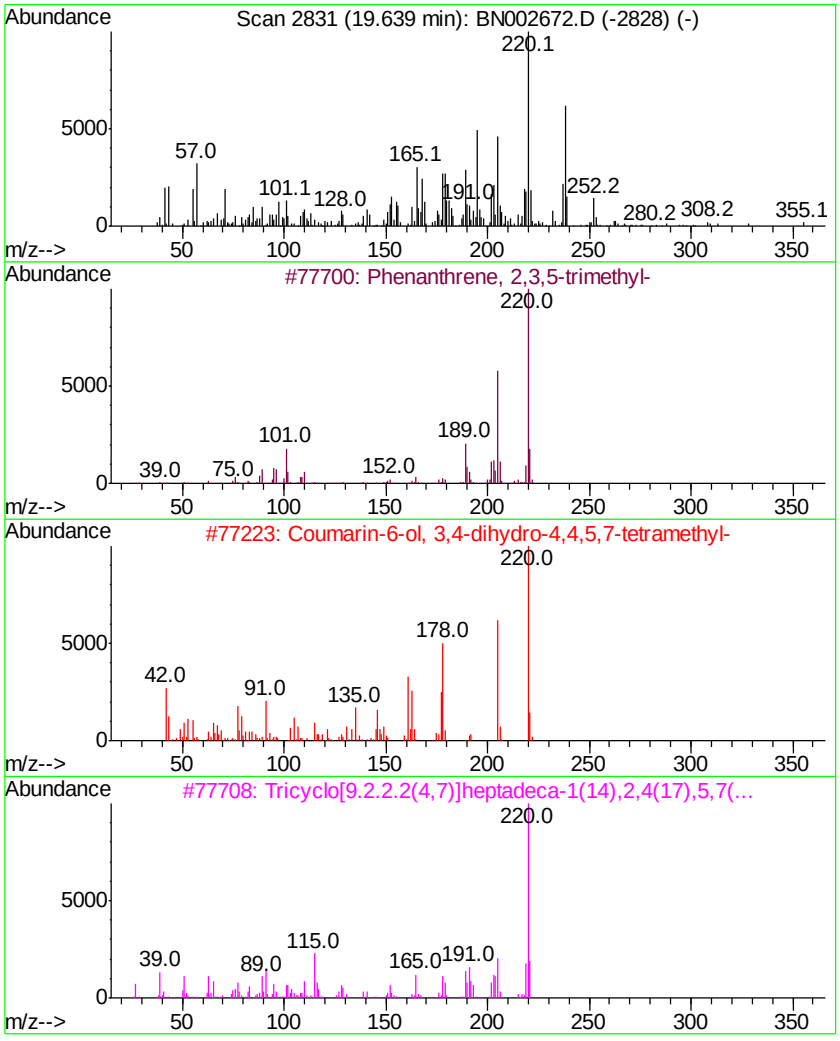
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

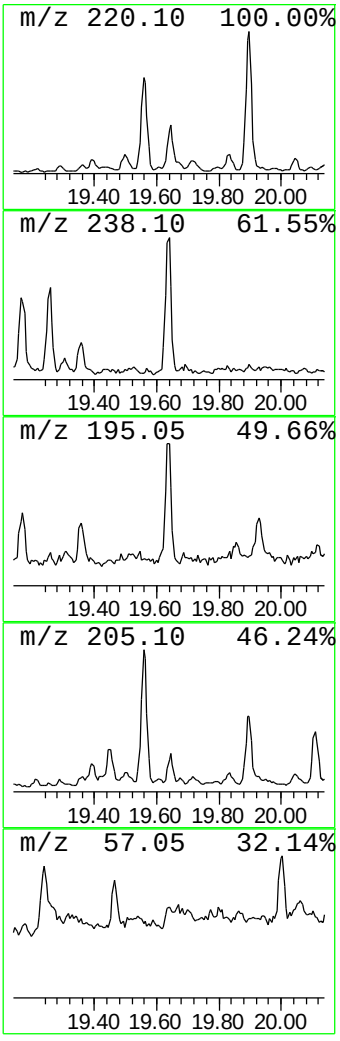
****

Peak Number 14 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	3.61 ng/ul	559566	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	66
2	Coumarin-6-ol, 3,4-dihydro-4,4,5...	220	C13H16O3	050442-68-7	42
3	Tricyclo[9.2.2.2(4,7)]heptadeca-...	220	C17H16	049576-90-1	41
4	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	41
5	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	35





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

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Quant Title : SVOA CALIBRATION

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

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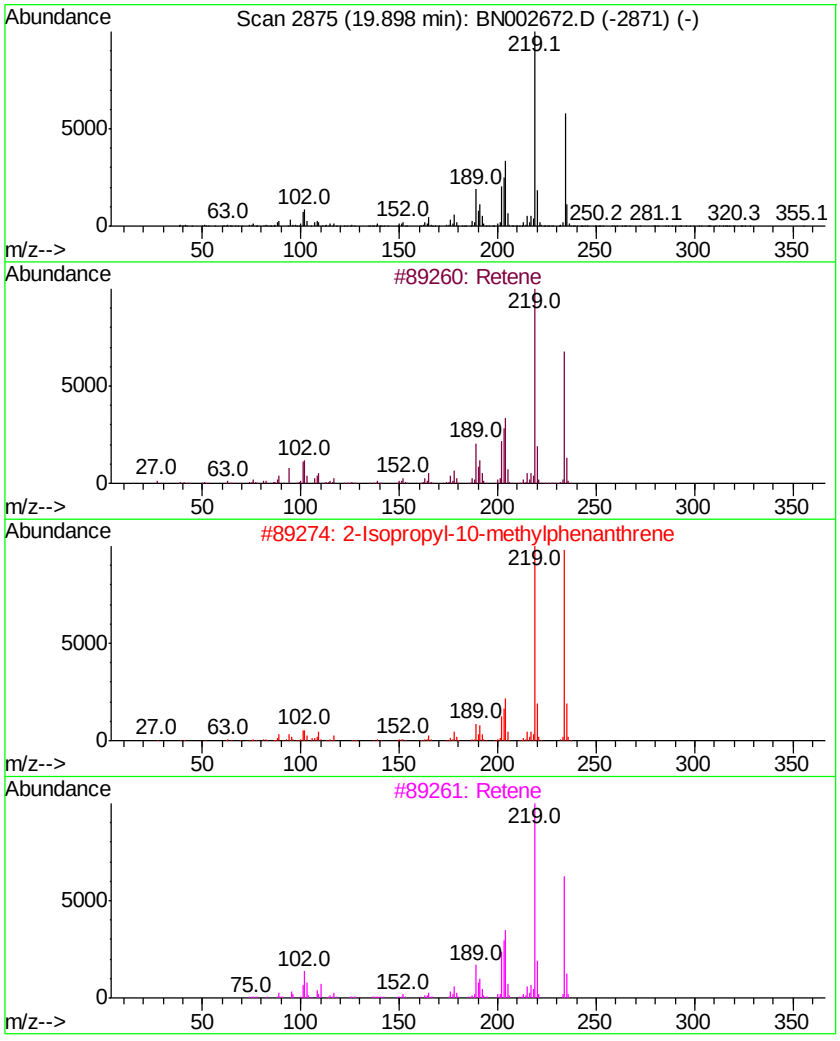
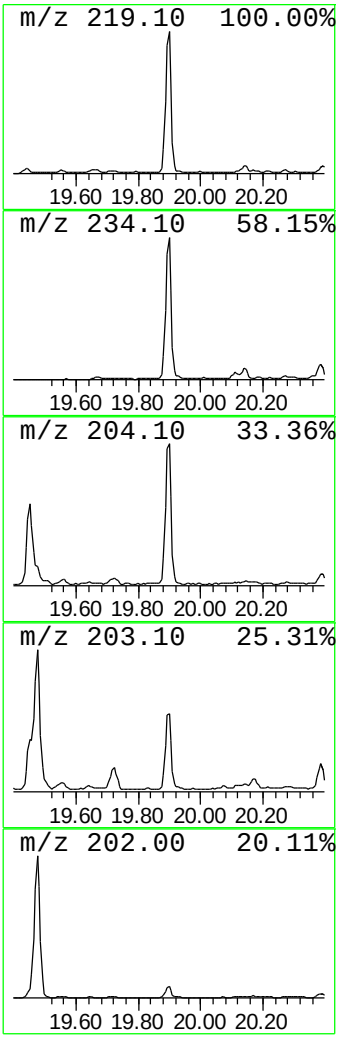
Peak Number 15 Retene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	13.05 ng/ul	2020040	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	Retene	234	C18H18	000483-65-8	94
4	Retene	234	C18H18	000483-65-8	90
5	Retene	234	C18H18	000483-65-8	83





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Misc :
ALS Vial : 3 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

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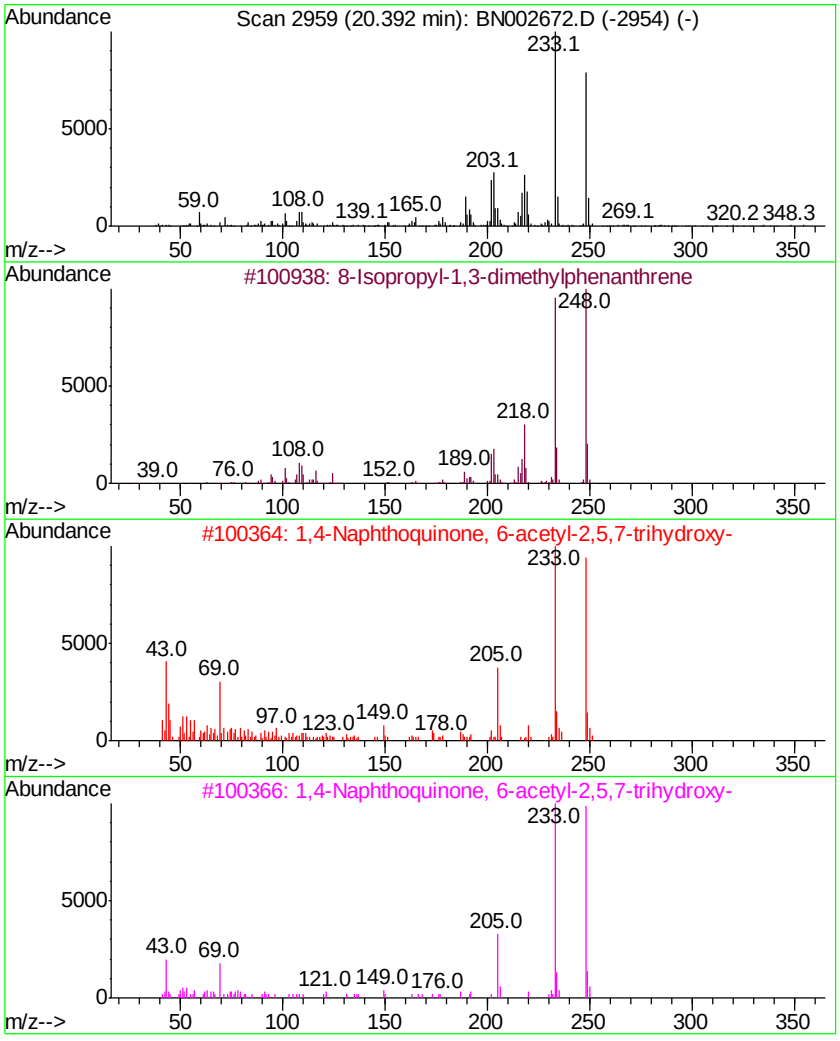
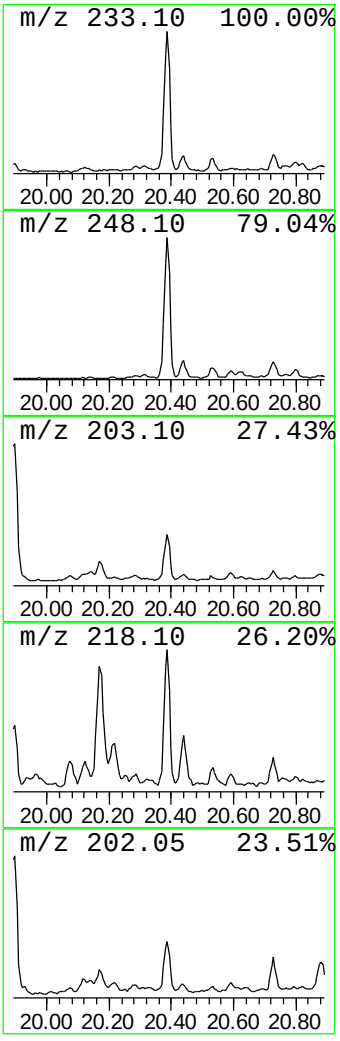
Peak Number 16 8-Isopropyl-1,3-dimethylphe... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.39	6.20 ng/ul	960031	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Isopropyl-1,3-dimethylphenanth...	248	C19H20	135886-06-5	93
2	1,4-Naphthoquinone, 6-acetyl-2,5...	248	C12H8O6	013378-89-7	58
3	1,4-Naphthoquinone, 6-acetyl-2,5...	248	C12H8O6	013378-89-7	50
4	4-Methyl-7-trimethylsilyloxychro...	248	C13H16O3Si	067909-31-3	50
5	2-Acetyl-9,10-dimethylanthracene	248	C18H16O	015254-37-2	42





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Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

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Quant Title : SVOA CALIBRATION

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

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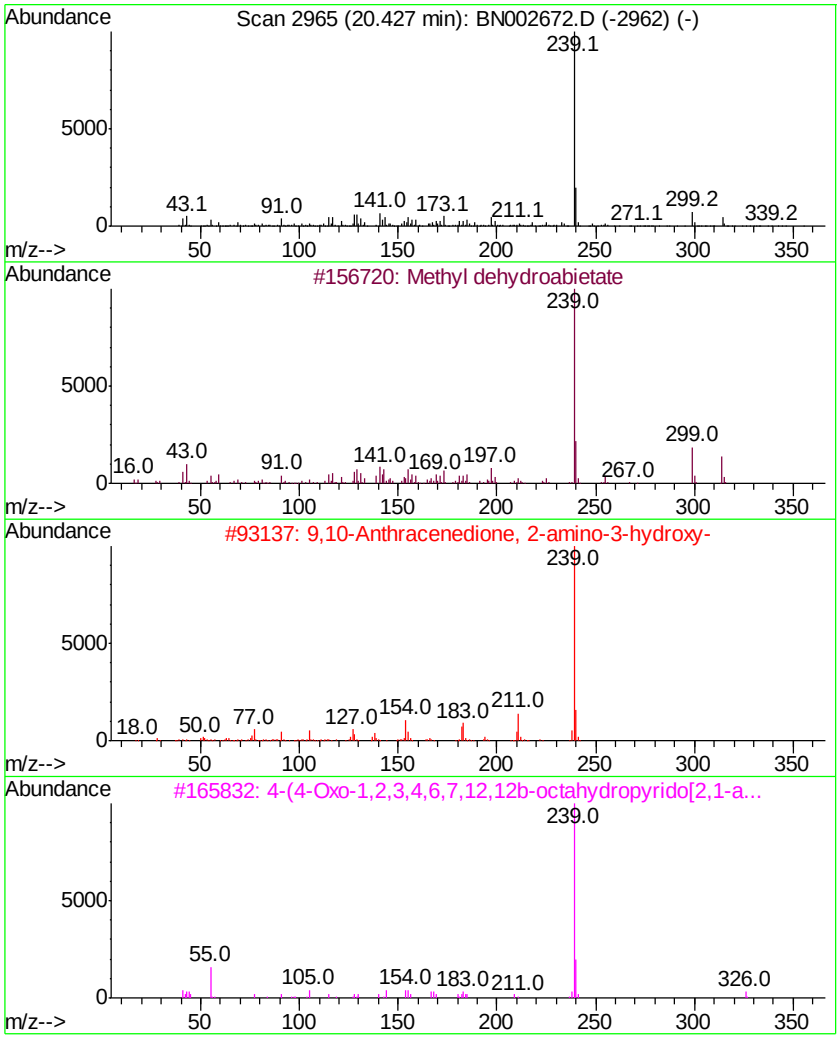
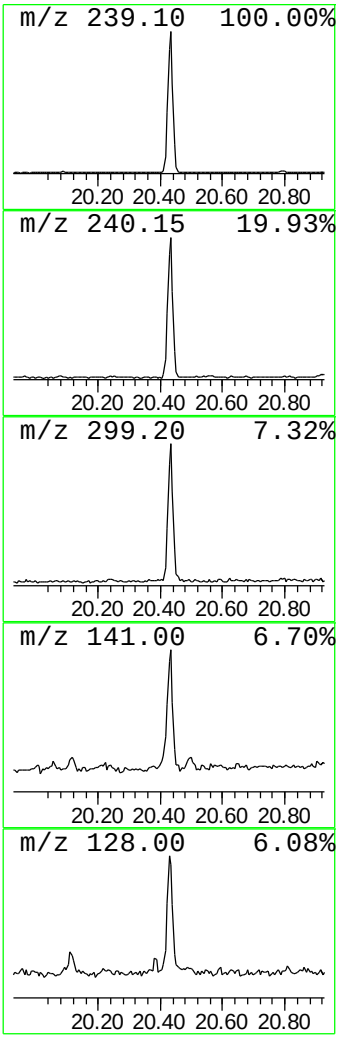
Peak Number 17 Methyl dehydroabietate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	8.72 ng/ul	1349620	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl dehydroabietate	314	C21H30O2	001235-74-1	68
2	9,10-Anthracenedione, 2-amino-3-...	239	C14H9NO3	000117-77-1	59
3	4-(4-Oxo-1,2,3,4,6,7,12,12b-octa...	326	C19H22N2O3	1000137-91-1	59
4	Imidazolo[2,1-b]thiazole, 5-(3-i...	239	C13H9N3S	327097-37-0	59
5	Methyl dehydroabietate	314	C21H30O2	001235-74-1	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091318\
Data File : BN002672.D
Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

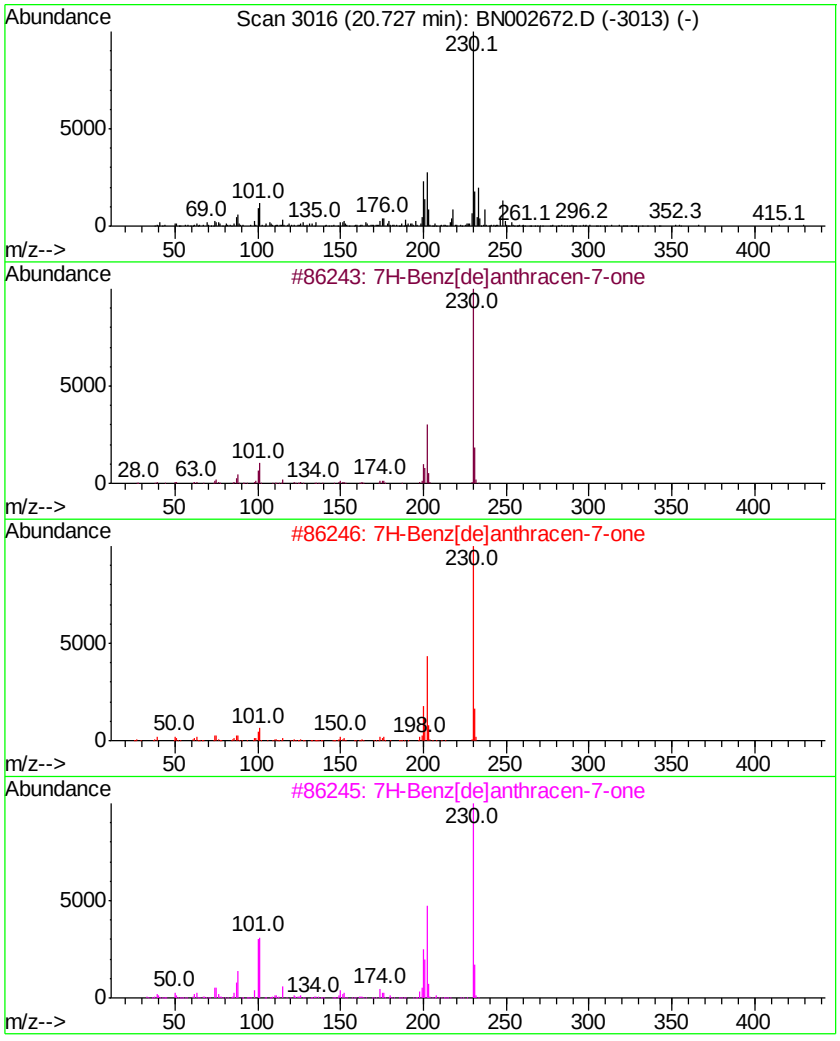
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

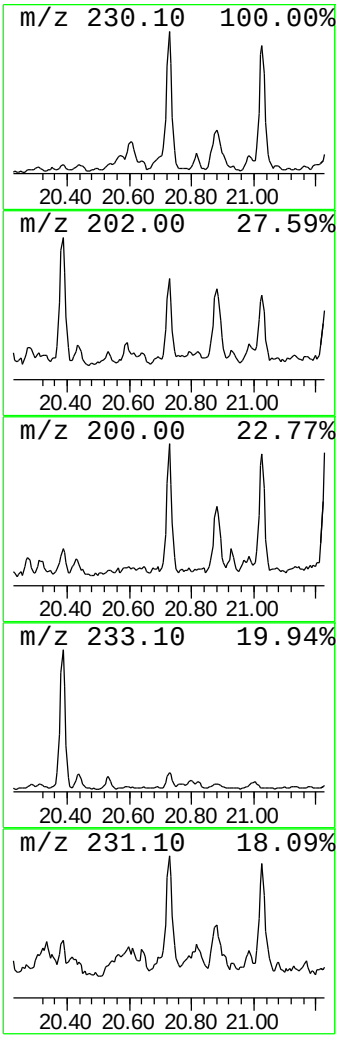
****

Peak Number 18 7H-Benz[de]anthracen-7-one Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	2.36 ng/ul	365991	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	78
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	62





Library Search Compound Report

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Data File : BN002672.D
Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

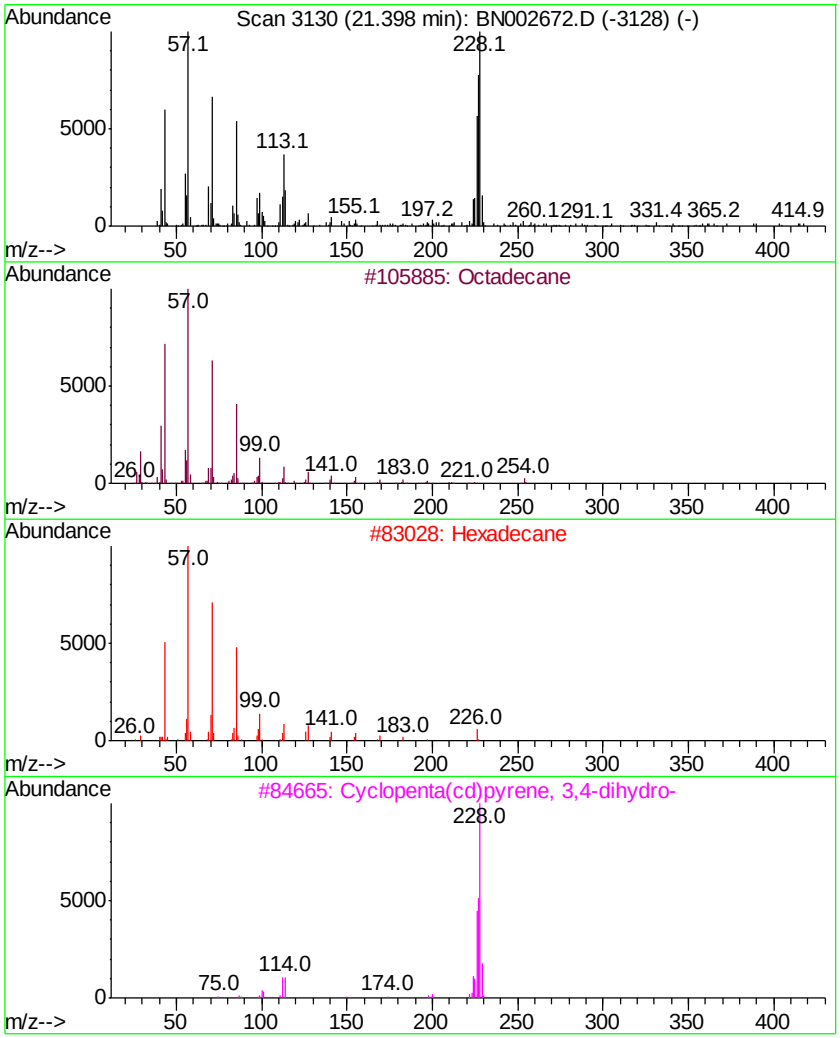
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

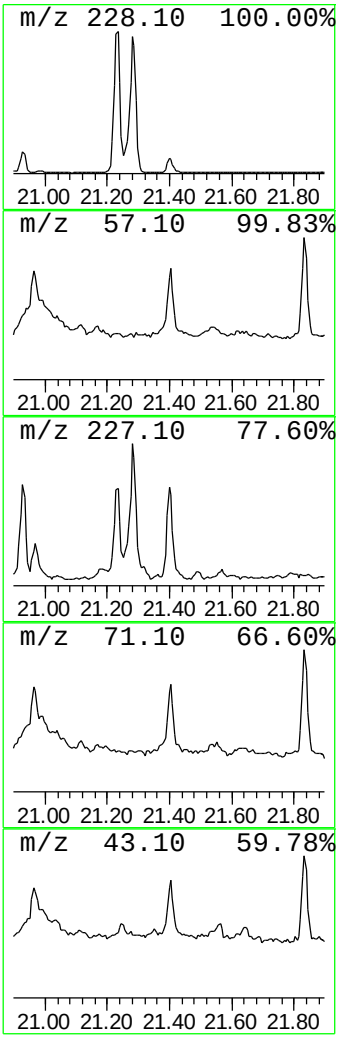
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	2.96 ng/ul	458746	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	51
2	Hexadecane	226	C16H34	000544-76-3	50
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	35
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	35
5	Pentacosane	352	C25H52	000629-99-2	30





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Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

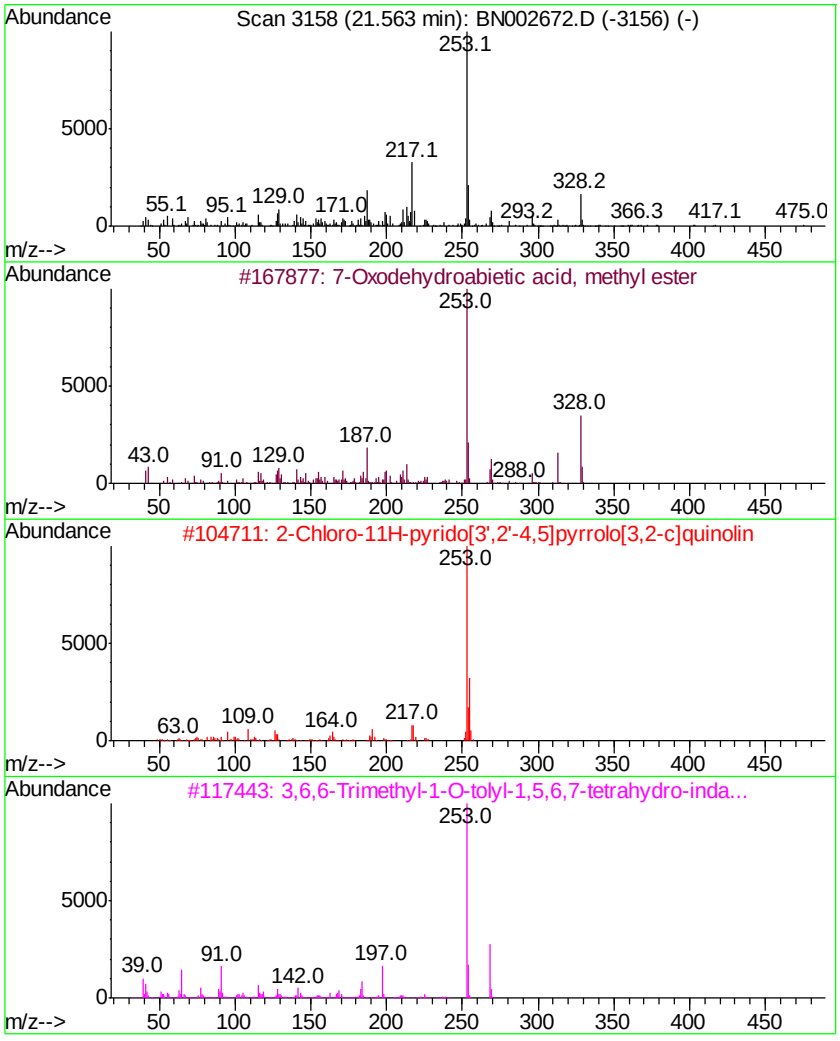
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

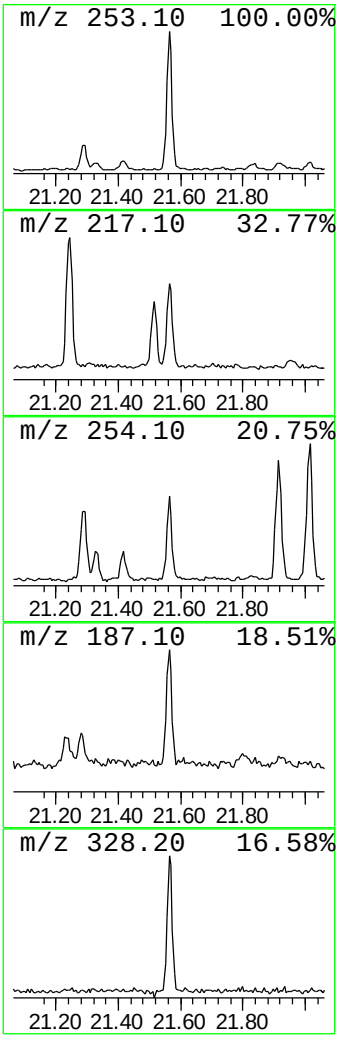
****

Peak Number 20 7-Oxodehydroabietic acid, m... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	3.02 ng/ul	467974	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxodehydroabietic acid, methyl...	328	C21H28O3	110936-78-2	59
2	2-Chloro-11H-pyrido[3',2'-4,5]py...	253	C14H8ClN3	1000212-59-3	50
3	3,6,6-Trimethyl-1-O-tolyl-1,5,6,...	268	C17H20N2O	1000295-04-0	47
4	Isophthalic acid, di(2,5-dimethy...	374	C24H22O4	1000344-54-6	47
5	2-[p-Cyanophenyl]-5-chlorobenzim...	253	C14H8ClN3	146132-86-7	47





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Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

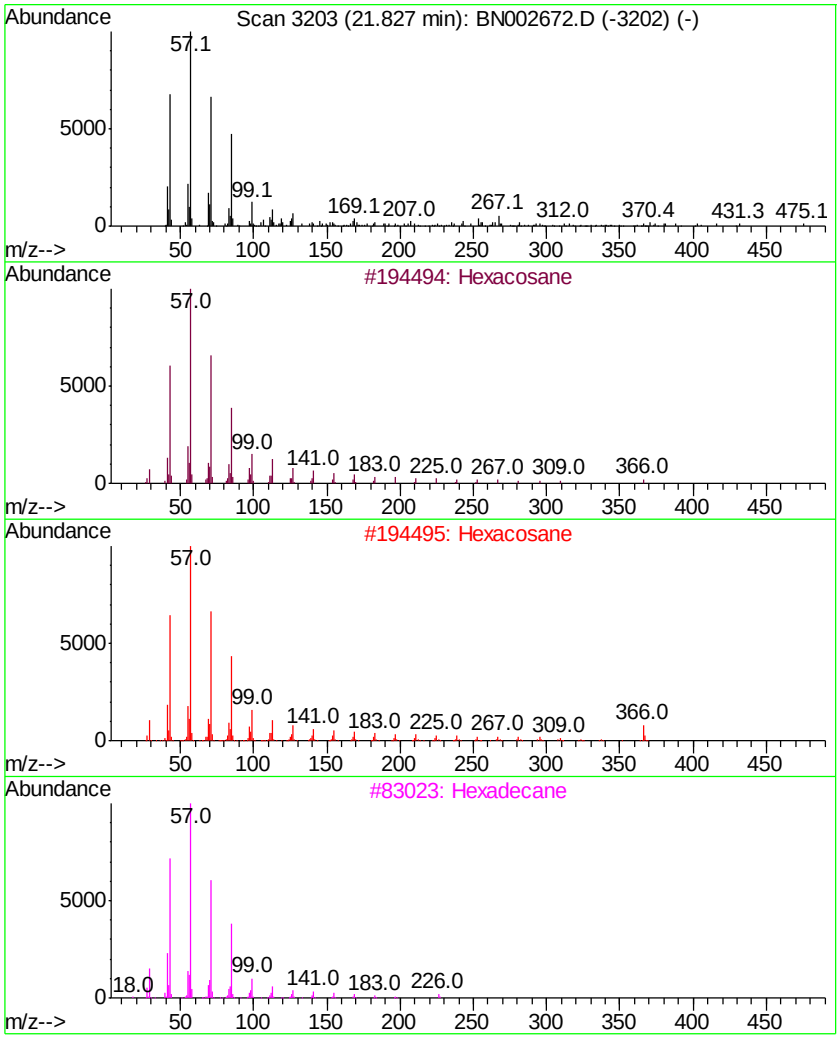
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

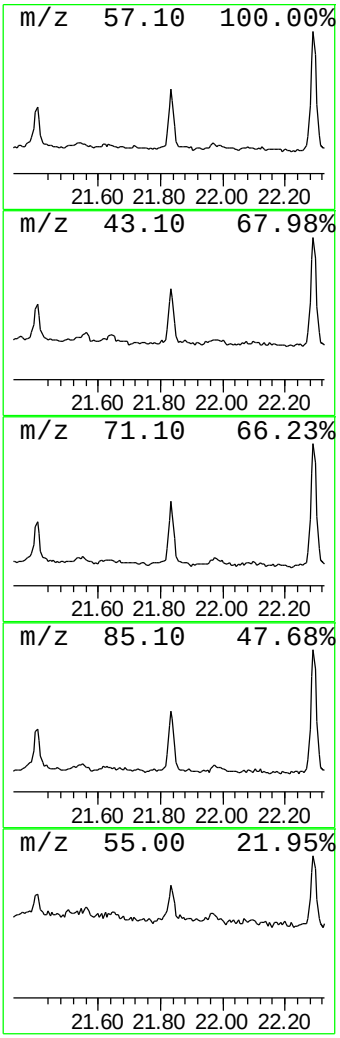
****

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	3.53 ng/ul	546134	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	93
2	Hexacosane	366	C26H54	000630-01-3	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Nonadecane	268	C19H40	000629-92-5	90
5	Heptacosane	380	C27H56	000593-49-7	83





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Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

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Quant Title : SVOA CALIBRATION

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

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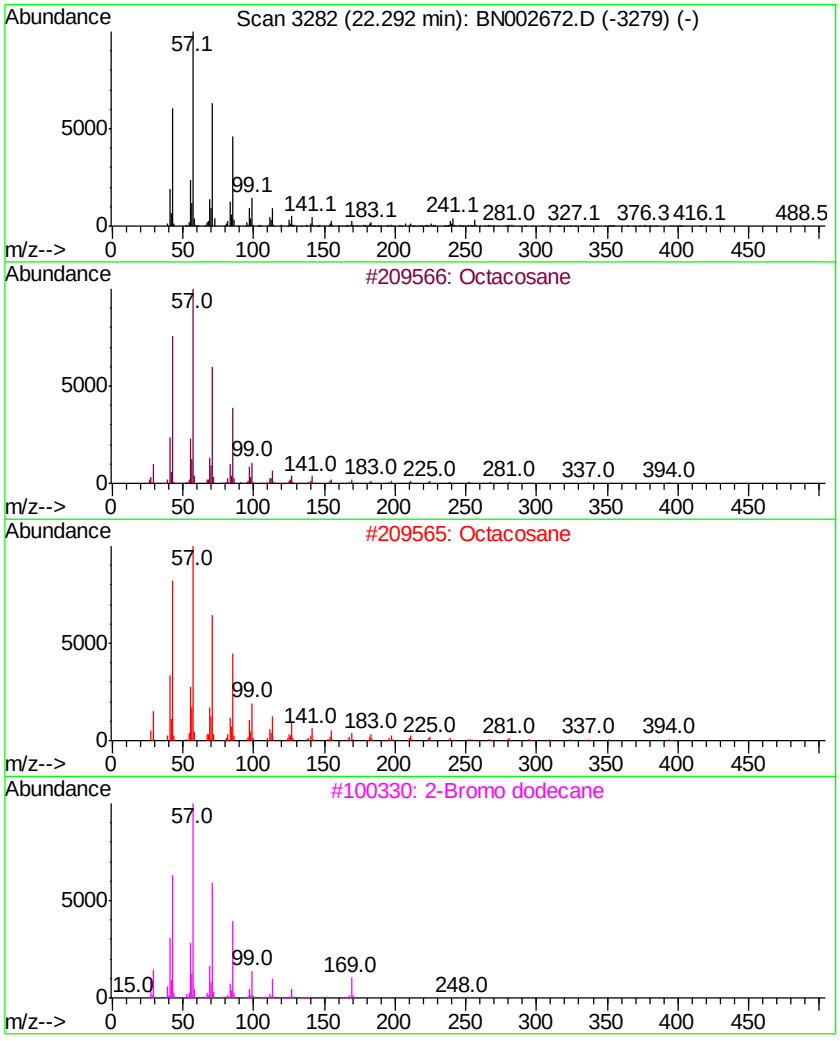
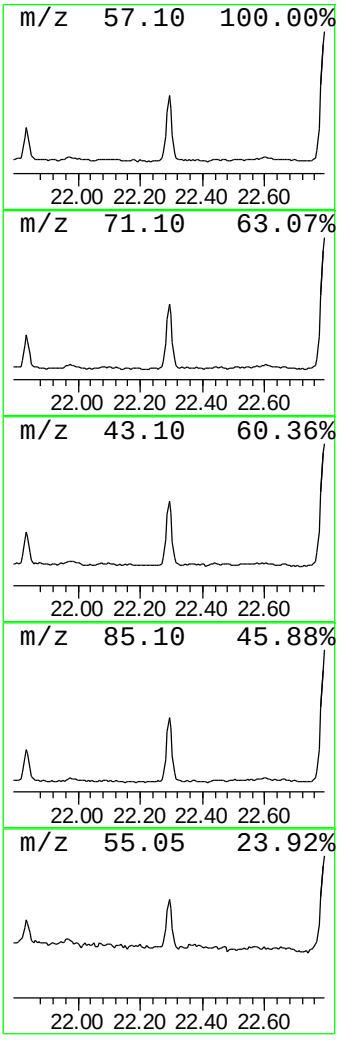
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.29	5.52 ng/ul	854683	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	98
2	Octacosane	394	C28H58	000630-02-4	98
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	91
4	Heneicosane	296	C21H44	000629-94-7	90
5	Heptacosane	380	C27H56	000593-49-7	90





Library Search Compound Report

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Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

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Quant Title : SVOA CALIBRATION

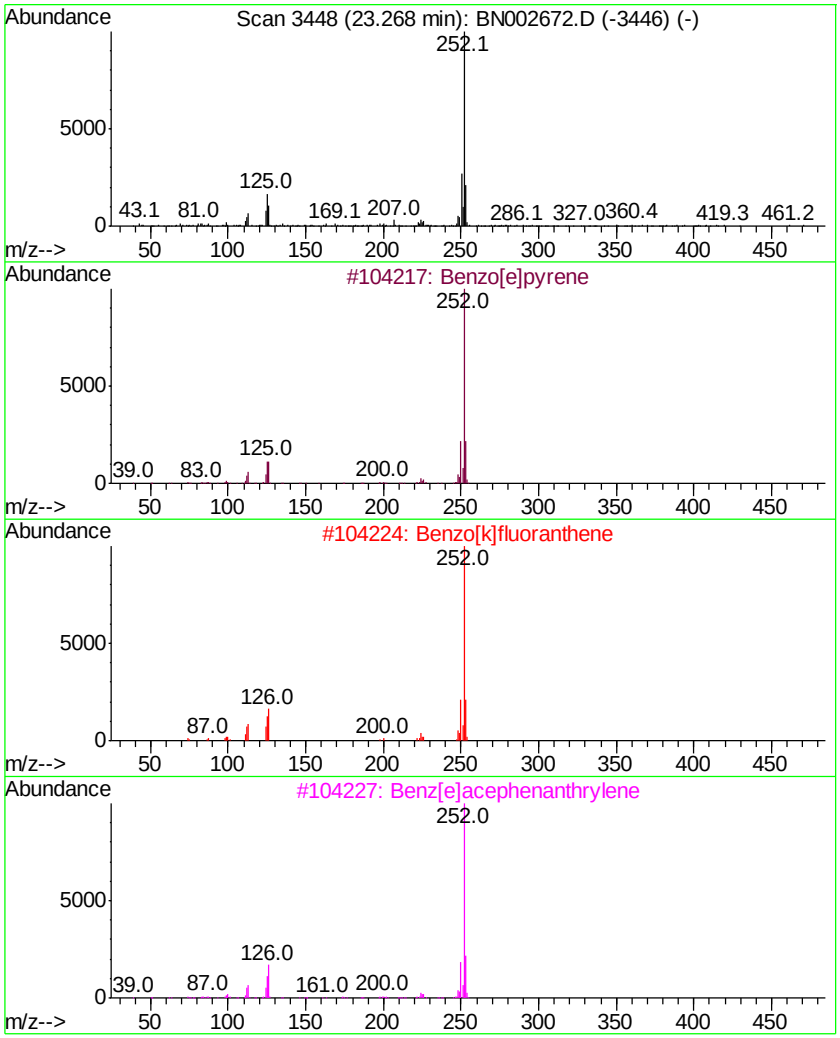
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

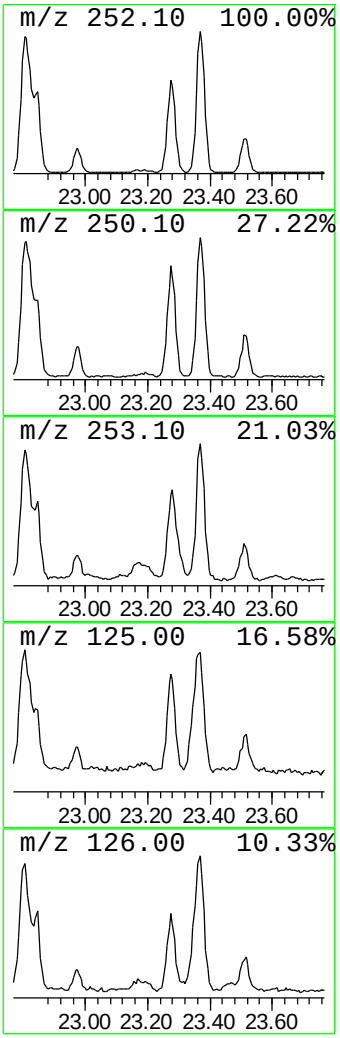
****

Peak Number 23 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.27	8.18 ng/ul	492659	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Perylene	252	C20H12	000198-55-0	93





Library Search Compound Report

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Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

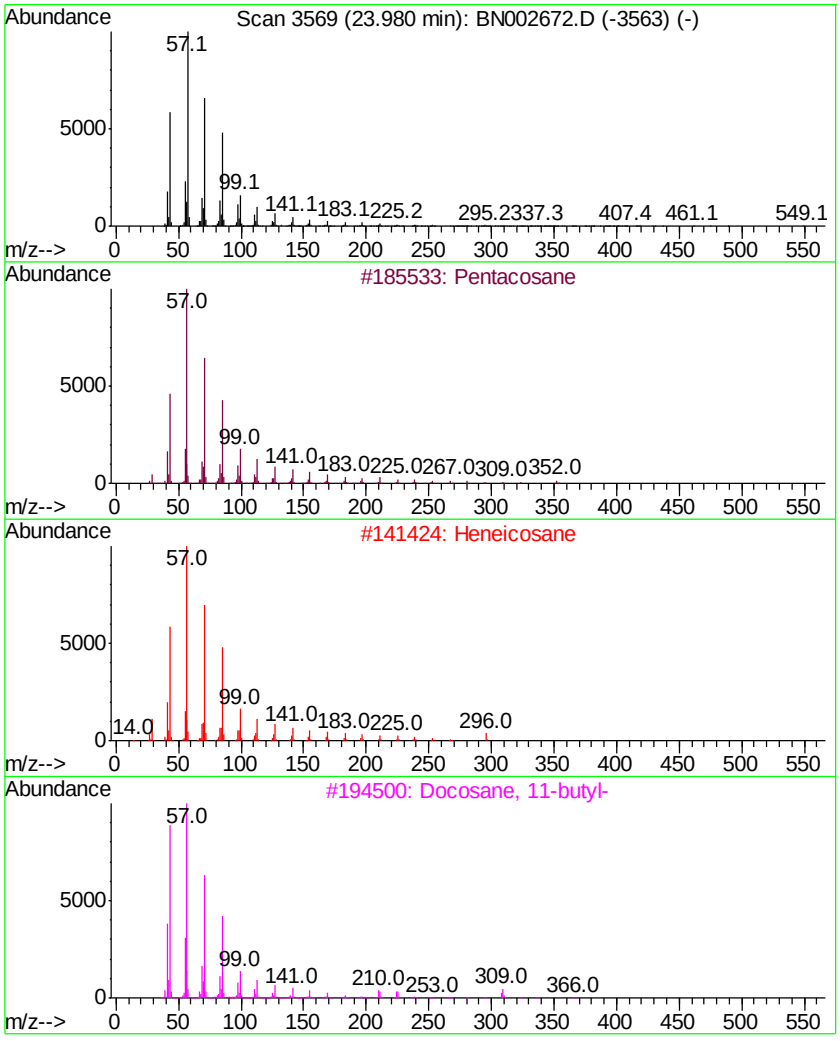
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

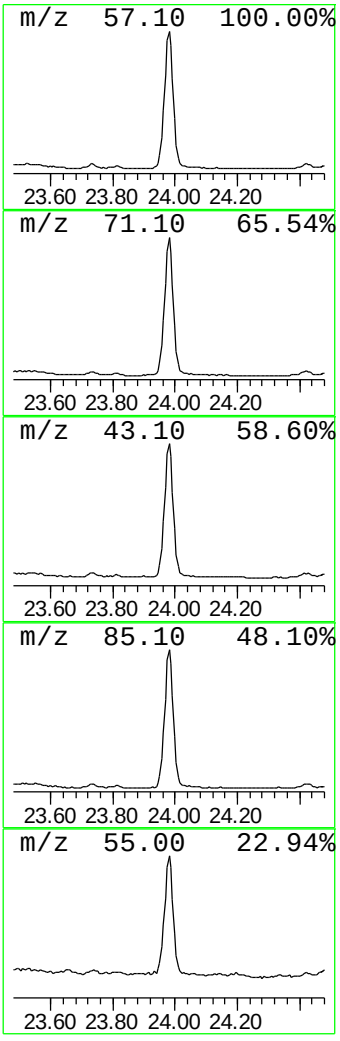
****

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.98	90.19 ng/ul	5433470	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	97
2	Heneicosane	296	C21H44	000629-94-7	97
3	Docosane, 11-butyl-	366	C26H54	013475-76-8	95
4	Tricosane	324	C23H48	000638-67-5	94
5	Hexacosane	366	C26H54	000630-01-3	94





Library Search Compound Report

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Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

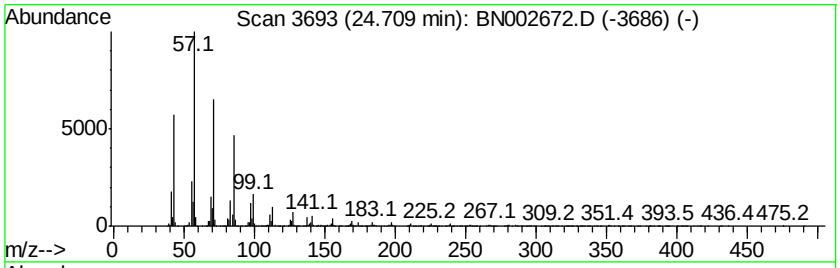
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

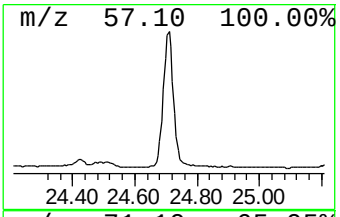
****

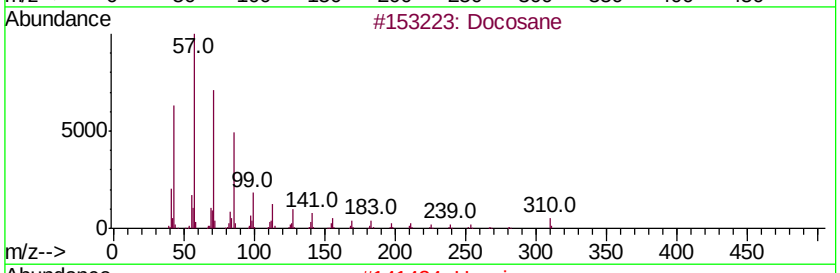
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 2

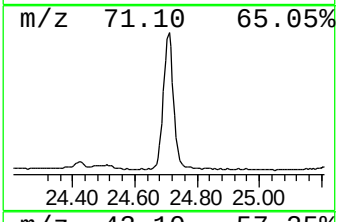
R.T.	EstConc	Area	Relative to ISTD	R.T.
24.71	66.40 ng/ul	4000100	Perylene-d12	23.47

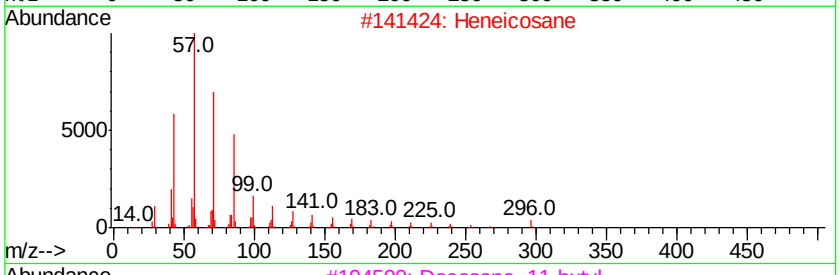
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	98
2	Heneicosane	296	C21H44	000629-94-7	97
3	Docosane, 11-butyl-	366	C26H54	013475-76-8	95
4	Tricosane	324	C23H48	000638-67-5	94
5	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	94

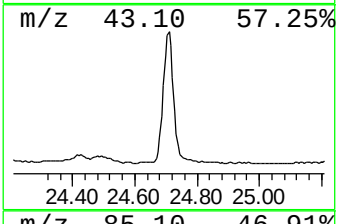


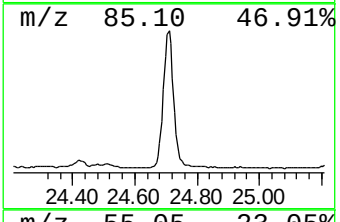


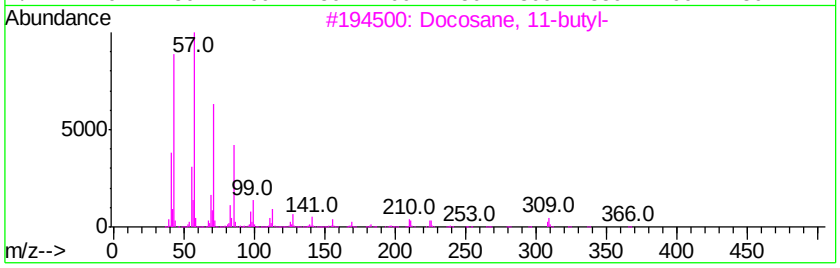


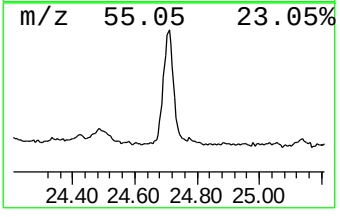












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Acq On : 13 Sep 2018 13:11
Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

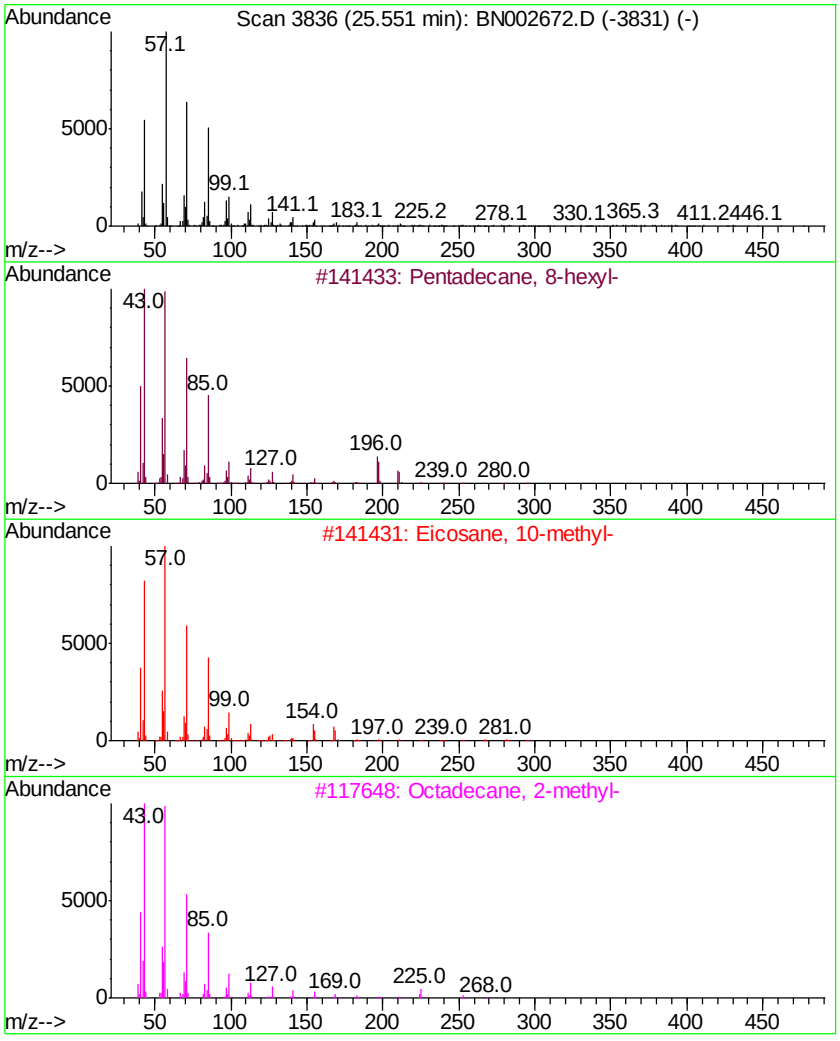
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

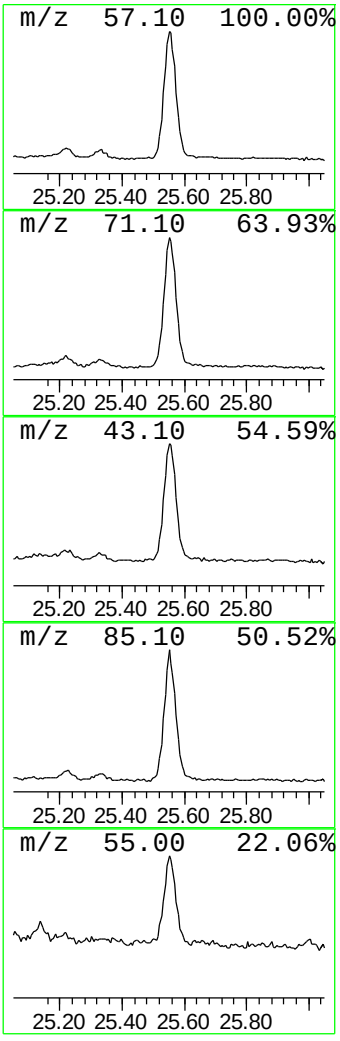
****

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.55	25.17 ng/ul	1516360	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
4	Heneicosane	296	C21H44	000629-94-7	90
5	Octacosane	394	C28H58	000630-02-4	90





Tentatively Identified Compound (LSC) summary

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Data File : BN002672.D
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Operator : JU/SJ
Sample : J4792-16DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY5DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
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
2-Pentanone, 4-hy...	4.83	2.2	ng/ul	100638	1	7.66	924256	20.0
Dibenzothiophene	16.86	2.5	ng/ul	255533	4	17.05	2080260	20.0
Phenanthrene, 1-m...	17.92	4.4	ng/ul	457574	4	17.05	2080260	20.0
Anthracene, 2-met...	17.97	10.0	ng/ul	1041660	4	17.05	2080260	20.0
Phenanthrene, 2-m...	18.05	2.6	ng/ul	273915	4	17.05	2080260	20.0
4H-Cyclopenta[def...	18.11	8.0	ng/ul	834499	4	17.05	2080260	20.0
Naphthalene, 2-ph...	18.42	3.1	ng/ul	321923	4	17.05	2080260	20.0
9,10-Anthracenedione	18.47	2.7	ng/ul	282433	4	17.05	2080260	20.0
Phenanthrene, 4,5...	18.67	3.5	ng/ul	358371	4	17.05	2080260	20.0
Phenanthrene, 3,6...	18.94	3.5	ng/ul	362042	4	17.05	2080260	20.0
Octadecanoic acid	19.24	2.6	ng/ul	406251	5	21.24	3096020	20.0
1,3-Pentadiene, 1...	19.56	3.6	ng/ul	551602	5	21.24	3096020	20.0
Phenanthrene, 2,3...	19.64	3.6	ng/ul	559566	5	21.24	3096020	20.0
Retene	19.90	13.1	ng/ul	2020040	5	21.24	3096020	20.0
8-Isopropyl-1,3-d...	20.39	6.2	ng/ul	960031	5	21.24	3096020	20.0
Methyl dehydroabi...	20.43	8.7	ng/ul	1349620	5	21.24	3096020	20.0
7H-Benz[de]anthra...	20.73	2.4	ng/ul	365991	5	21.24	3096020	20.0
(DEL) Alkane: Str...	21.40	3.0	ng/ul	458746	5	21.24	3096020	20.0
7-Oxodehydroabiet...	21.56	3.0	ng/ul	467974	5	21.24	3096020	20.0
(DEL) Alkane: Str...	21.83	3.5	ng/ul	546134	5	21.24	3096020	20.0
(DEL) Alkane: Str...	22.29	5.5	ng/ul	854683	5	21.24	3096020	20.0
Benzo[e]pyrene	23.27	8.2	ng/ul	492659	6	23.47	1204910	20.0
(DEL) Alkane: Str...	23.98	90.2	ng/ul	5433470	6	23.47	1204910	20.0
(DEL) Alkane: Str...	24.71	66.4	ng/ul	4000100	6	23.47	1204910	20.0
(DEL) Alkane: Str...	25.55	25.2	ng/ul	1516360	6	23.47	1204910	20.0