LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004297.D
Acq On : 29 Dec 2018 12:39
Operator : JU/SJ
Sample : J6428-14
Misc : GCMS Confirmation
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W7

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-BN121218MA.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	3.193	31	35	41	rVB	80542	87764	2.40%	0.335%
2	7.816	816	821	829	rBB	106275	160410	4.39%	0.613%
3	10.616	1290	1297	1301	rBV	161779	270414	7.40%	1.033%
4	10.663	1301	1305	1313	rVB	74546	118214	3.23%	0.452%
5	12.275	1574	1579	1586	rBB	48758	72966	2.00%	0.279%
6	12.498	1610	1617	1623	rBB	32596	49698	1.36%	0.190%
7	13.775	1828	1834	1839	rBV	32721	52317	1.43%	0.200%
8	14.457	1945	1950	1956	rVB2	288082	431878	11.81%	1.650%
9	14.522	1956	1961	1968	rVB	131035	188897	5.17%	0.722%
10	14.857	2011	2018	2025	rBV	183306	262703	7.19%	1.004%
11	15.504	2121	2128	2138	rBB	210980	324714	8.88%	1.240%
12	15.669	2152	2156	2160	rVB	38179	52170	1.43%	0.199%
13	15.798	2174	2178	2183	rVB	70634	96934	2.65%	0.370%
14	15.945	2198	2203	2211	rBV	88581	157971	4.32%	0.603%
15	16.510	2288	2299	2303	rBV3	51479	106193	2.90%	0.406%
16	16.728	2329	2336	2340	rBV3	35460	68338	1.87%	0.261%
17	16.928	2364	2370	2372	rBV	43988	63014	1.72%	0.241%
18	16.951	2372	2374	2382	rVV2	37786	58483	1.60%	0.223%
19	17.028	2382	2387	2394	rVB	132344	194326	5.32%	0.742%
20	17.210	2411	2418	2421	rBV	364878	552671	15.12%	2.111%
21	17.257	2421	2426	2431	rVV	2520120	3655576	100.00%	13.965%
22	17.339	2435	2440	2445	rBV	187090	247975	6.78%	0.947%
23	17.628	2480	2489	2492	rBV3	21938	48164	1.32%	0.184%
24	17.716	2500	2504	2509	rVV	47018	63262	1.73%	0.242%
25	17.786	2509	2516	2525	rVB2	27506	58545	1.60%	0.224%
26	17.928	2534	2540	2547	rBV3	23145	46638	1.28%	0.178%
27	18.080	2560	2566	2570	rBV	299623	420189	11.49%	1.605%
28	18.128	2570	2574	2580	rVB	387538	531242	14.53%	2.029%
29	18.275	2592	2599	2603	rBV2	311857	578093	15.81%	2.208%
30	18.310	2603	2605	2611	rVB	204429	234288	6.41%	0.895%
31	18.580	2645	2651	2657	rBV	234737	315850	8.64%	1.207%
32	18.698	2667	2671	2676	rBV	31474	41714	1.14%	0.159%
33	18.822	2684	2692	2697	rBV	73923	106715	2.92%	0.408%
34	18.875	2697	2701	2704	rVV	67759	80534	2.20%	0.308%

LSC Area Percent Report

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Acq On : 29 Dec 2018 12:39
Operator : JU/SJ
Sample : J6428-14
Misc : GCMS Confirmation
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W7

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-BN121218MA.M
Title : SVOA CALIBRATION

35	18.916	2704	2708	2711	rVB	42309	51039	1.40%	0.195%
36	18.998	2716	2722	2726	rBV	132988	200777	5.49%	0.767%
37	19.057	2726	2732	2735	rBV2	58690	131147	3.59%	0.501%
38	19.086	2735	2737	2741	rVB	52957	62573	1.71%	0.239%
39	19.133	2741	2745	2748	rBV	41946	57400	1.57%	0.219%
40	19.275	2761	2769	2774	rBV	2470491	3566463	97.56%	13.625%
41	19.322	2774	2777	2780	rVV	45677	53548	1.46%	0.205%
42	19.357	2780	2783	2787	rVB2	51416	64530	1.77%	0.247%
43	19.510	2803	2809	2817	rBV2	73640	143311	3.92%	0.547%
44	19.598	2817	2824	2826	rVV2	449256	679003	18.57%	2.594%
45	19.633	2826	2830	2836	rVV	1396006	1957081	53.54%	7.477%
46	19.698	2836	2841	2846	rVB	150210	203905	5.58%	0.779%
47	19.810	2846	2860	2864	rBV	186552	312482	8.55%	1.194%
48	19.857	2864	2868	2873	rVB4	23375	43994	1.20%	0.168%
49	19.963	2878	2886	2891	rBV2	160126	328193	8.98%	1.254%
50	20.027	2891	2897	2901	rBV5	25876	46397	1.27%	0.177%
51	20.122	2901	2913	2918	rVV2	260347	638487	17.47%	2.439%
52	20.222	2926	2930	2933	rBV	127016	157847	4.32%	0.603%
53	20.263	2933	2937	2944	rVV2	110730	234322	6.41%	0.895%
54	20.316	2944	2946	2950	rVB	72341	73279	2.00%	0.280%
55	20.374	2950	2956	2961	rVB3	82617	171089	4.68%	0.654%
56	20.427	2961	2965	2967	rBV	41239	61633	1.69%	0.235%
57	20.469	2969	2972	2975	rVB2	51834	62372	1.71%	0.238%
58	20.680	3002	3008	3009	rBV3	52624	84785	2.32%	0.324%
59	20.704	3009	3012	3016	rVV4	62257	97271	2.66%	0.372%
60	20.751	3016	3020	3023	rVV2	41497	65220	1.78%	0.249%
61	20.839	3030	3035	3038	rBV4	42955	64243	1.76%	0.245%
62	20.874	3038	3041	3045	rVV2	30416	39068	1.07%	0.149%
63	21.039	3065	3069	3072	rBV	150944	186556	5.10%	0.713%
64	21.074	3072	3075	3079	rVV	234085	321939	8.81%	1.230%
65	21.116	3079	3082	3086	rVV	144607	177349	4.85%	0.678%
66	21.157	3086	3089	3100	rVB3	62886	109529	3.00%	0.418%
67	21.280	3106	3110	3116	rVB	55898	78425	2.15%	0.300%
68	21.386	3120	3128	3133	rVV2	966227	2126603	58.17%	8.124%
69	21.433	3133	3136	3142	rVV	1072010	1309654	35.83%	5.003%
70	21.510	3146	3149	3153	rVB3	31300	41580	1.14%	0.159%
71	21.557	3153	3157	3162	rBV5	22510	36665	1.00%	0.140%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J6428-14
Misc : GCMS Confirmation
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W7

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-BN121218MA.M
Title : SVOA CALIBRATION

72	21.721	3181	3185	3189	rBV2	47917	64352	1.76%	0.246%
73	21.957	3218	3225	3229	rVV	122043	209747	5.74%	0.801%
74	22.004	3230	3233	3238	rVB	106693	148838	4.07%	0.569%
75	22.074	3240	3245	3249	rBV2	77912	128682	3.52%	0.492%
76	22.163	3255	3260	3271	rVB2	78287	203552	5.57%	0.778%
77	22.257	3272	3276	3285	rVB	62935	102597	2.81%	0.392%
78	23.015	3398	3405	3409	rBV	306261	637780	17.45%	2.436%
79	23.127	3421	3424	3430	rVB	25148	39774	1.09%	0.152%
80	23.321	3453	3457	3467	rVB	26027	57219	1.57%	0.219%
81	23.515	3484	3490	3499	rVB2	94664	189096	5.17%	0.722%
82	23.715	3517	3524	3532	rBV2	290204	555961	15.21%	2.124%

Sum of corrected areas: 26176217

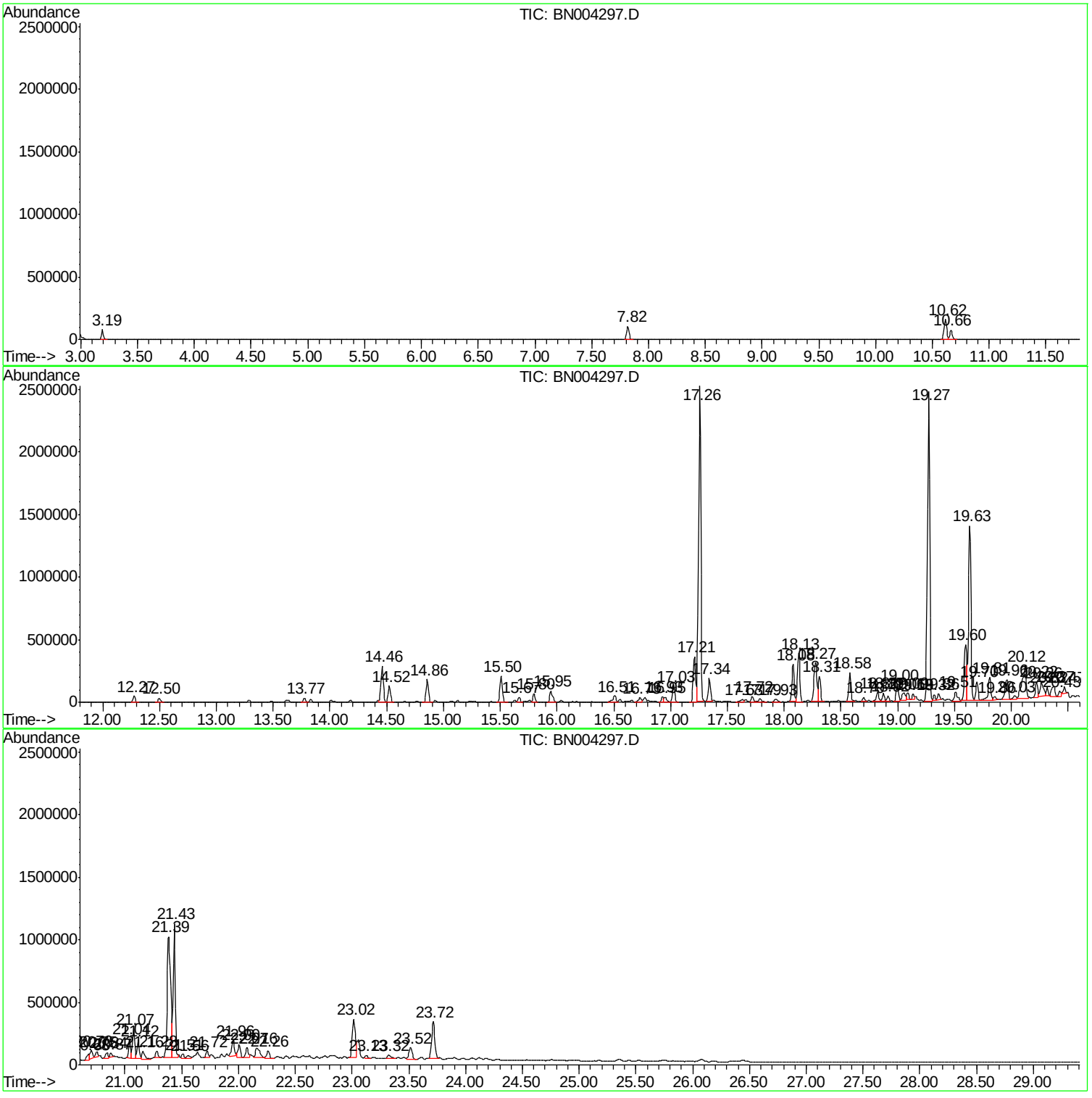
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004297.D
Acq On : 29 Dec 2018 12:39
Operator : JU/SJ
Sample : J6428-14
Misc : GCMS Confirmation
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.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\BN122918\
Data File : BN004297.D
Acq On : 29 Dec 2018 12:39
Operator : JU/SJ
Sample : J6428-14
Misc : GCMS Confirmation
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

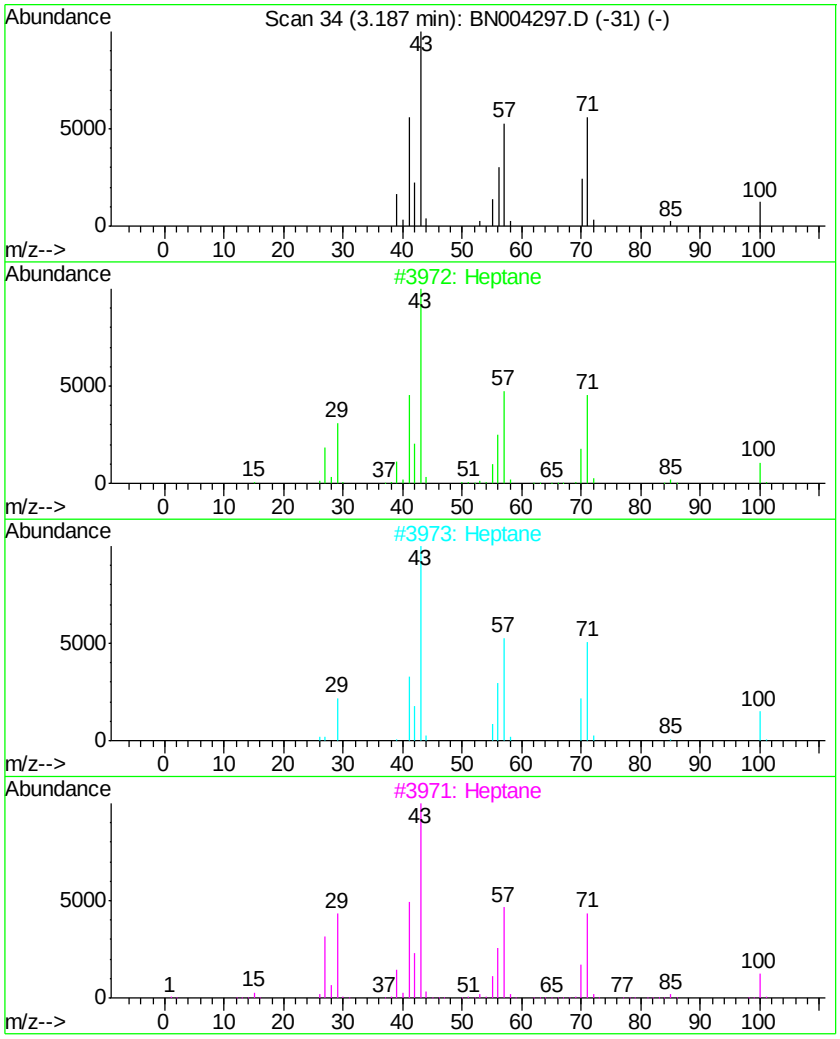
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

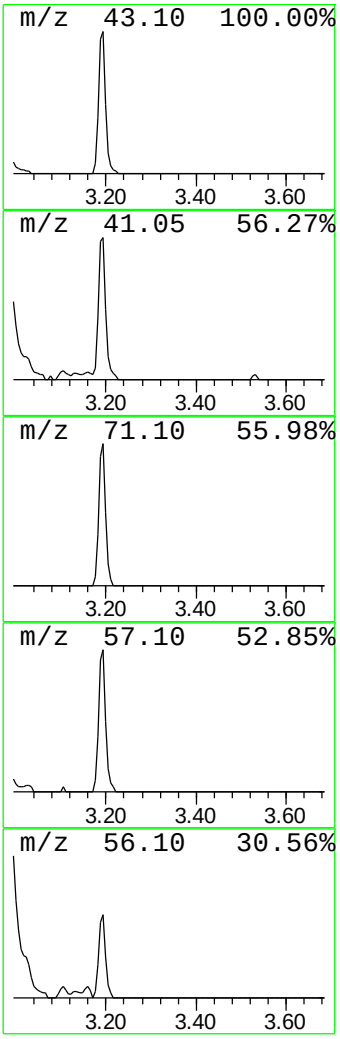
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	10.94 ng/ul	87764	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	95
2	Heptane	100	C7H16	000142-82-5	91
3	Heptane	100	C7H16	000142-82-5	90
4	Heptane	100	C7H16	000142-82-5	87
5	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	59





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Operator : JU/SJ
Sample : J6428-14
Misc : GCMS Confirmation
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

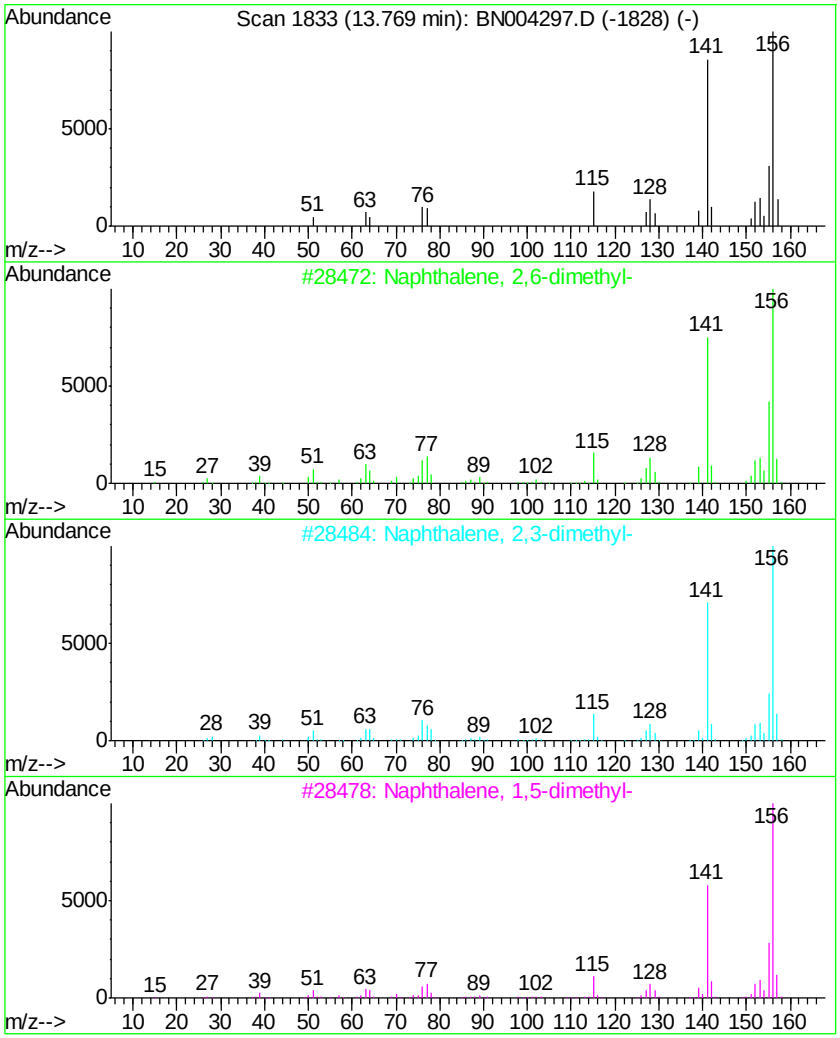
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

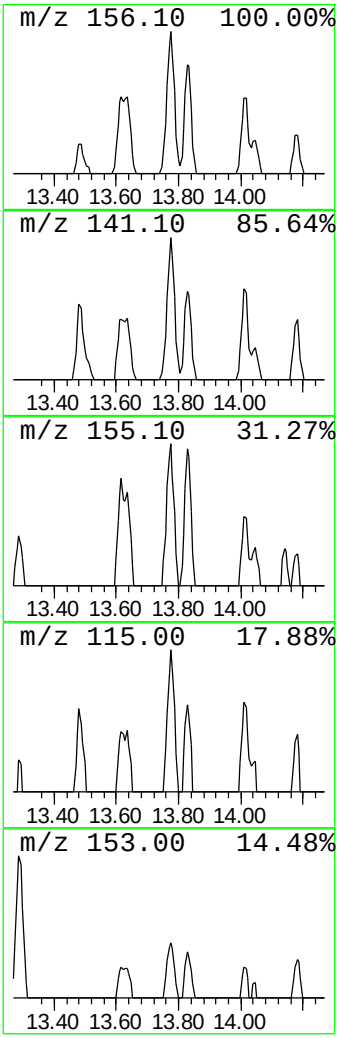
****

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	2.42 ng/ul	52317	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004297.D
Acq On : 29 Dec 2018 12:39
Operator : JU/SJ
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ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

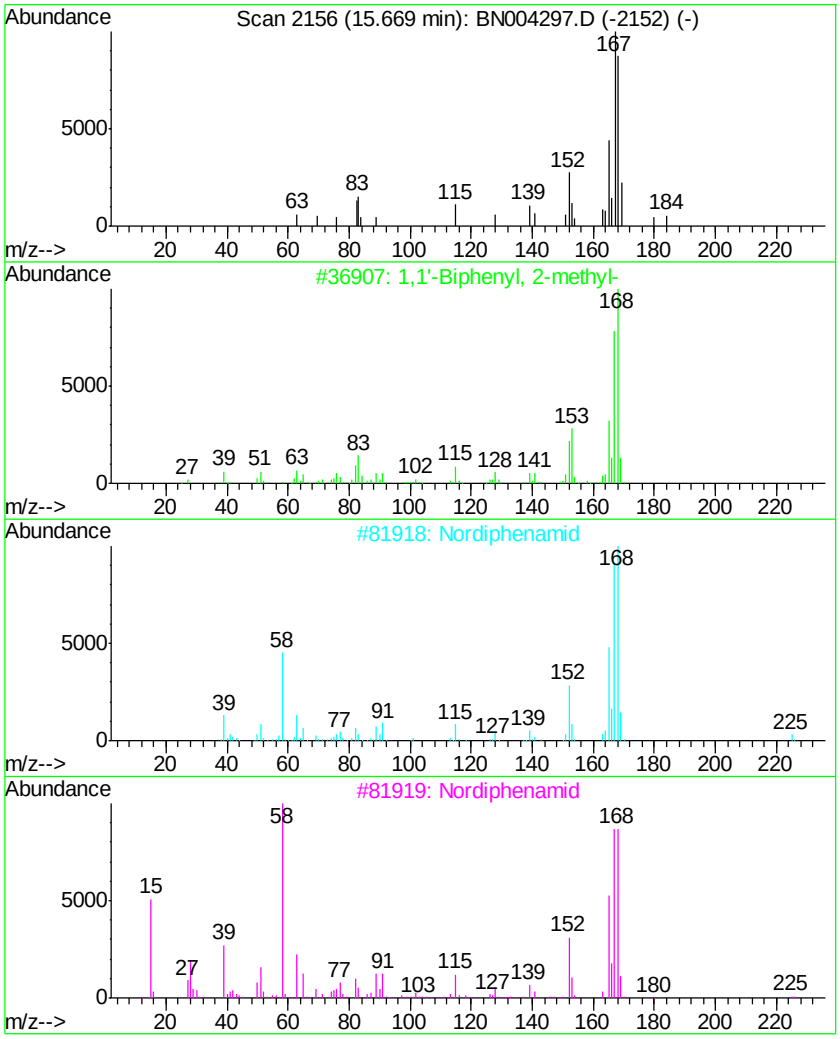
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

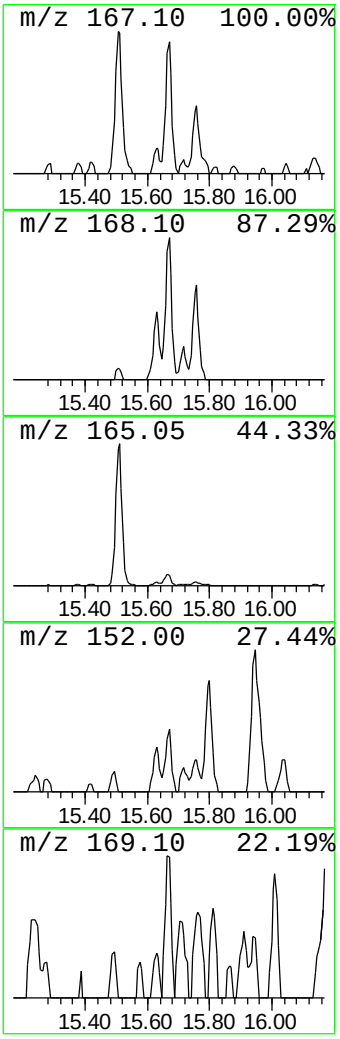
****

Peak Number 4 1,1'-Biphenyl, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	2.42 ng/ul	52170	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	86
2	Nordiphenamid	225	C15H15NO	000954-21-2	78
3	Nordiphenamid	225	C15H15NO	000954-21-2	78
4	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	78
5	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	70





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Instrument : BNA_N
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

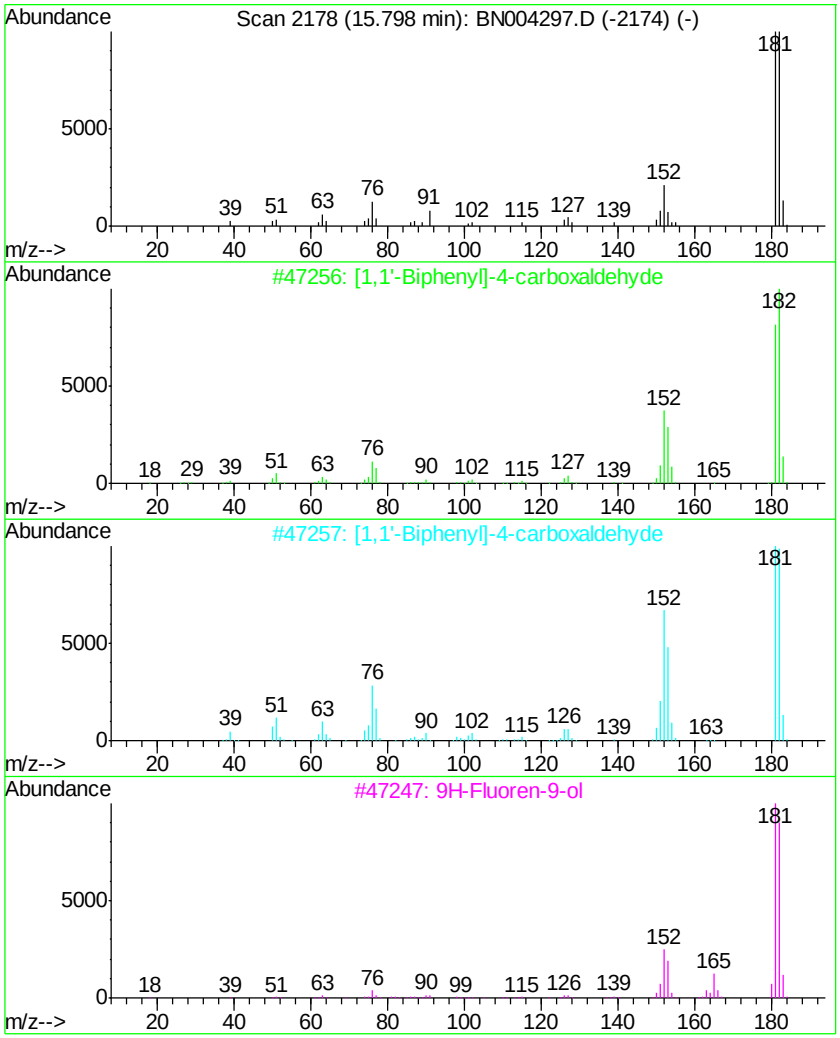
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

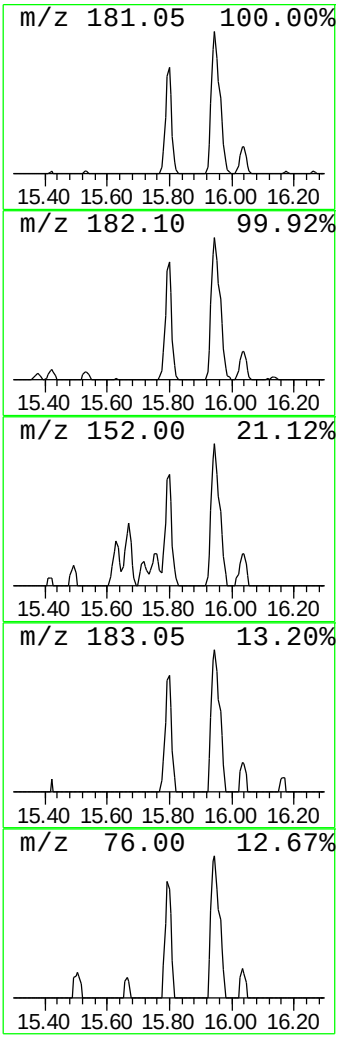
****

Peak Number 5 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	4.49 ng/ul	96934	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





Library Search Compound Report

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ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

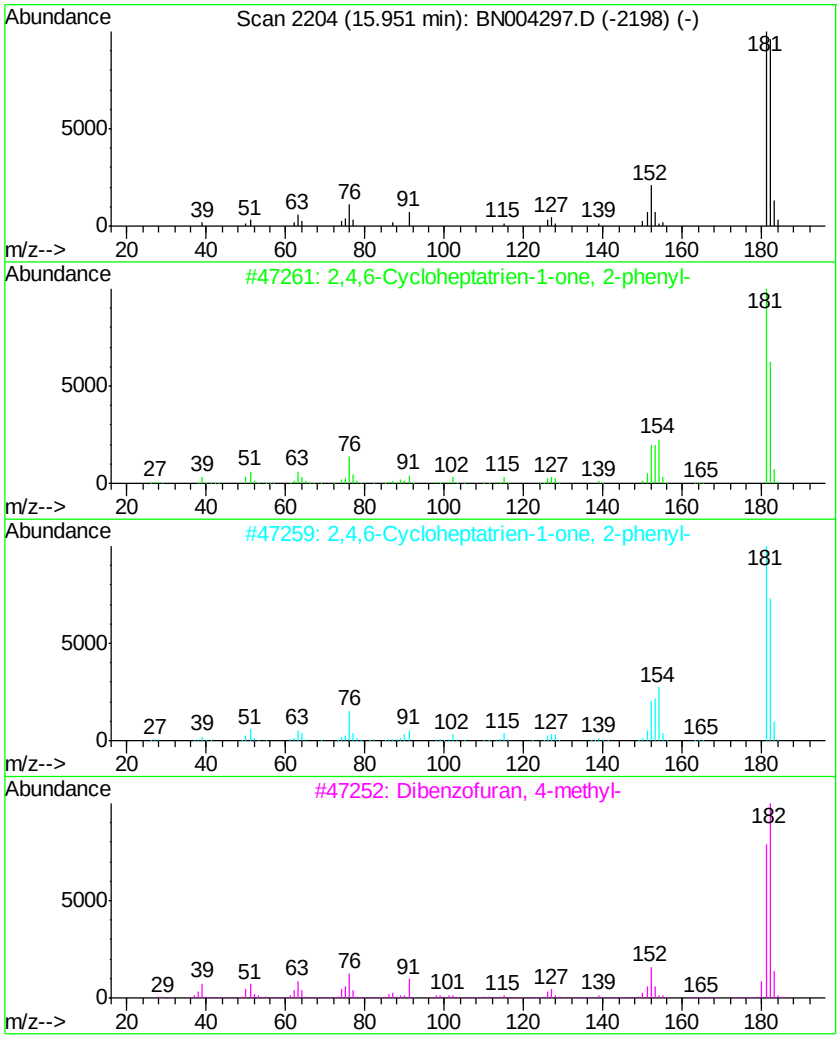
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

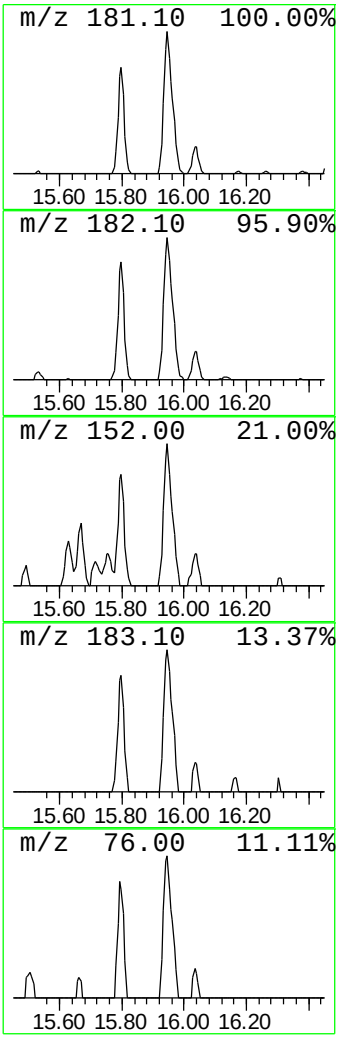
****

Peak Number 6 2,4,6-Cycloheptatrien-1-one... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	5.72 ng/ul	157971	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004297.D
Acq On : 29 Dec 2018 12:39
Operator : JU/SJ
Sample : J6428-14
Misc : GCMS Confirmation
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

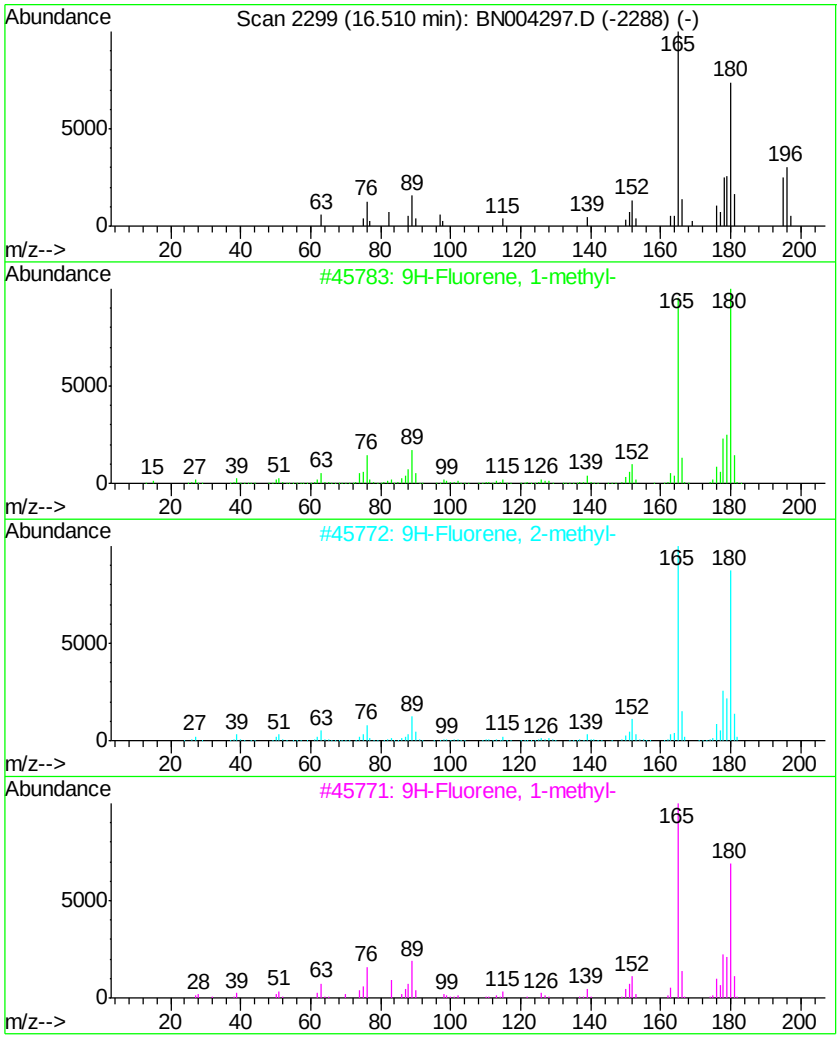
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

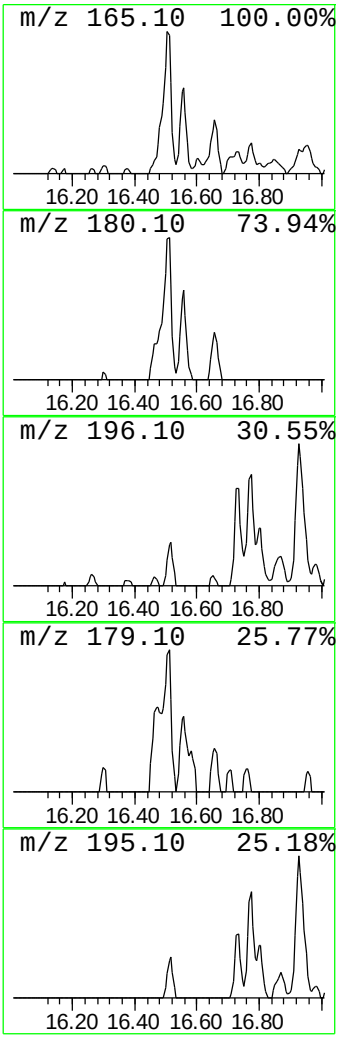
****

Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	3.84 ng/ul	106193	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	98
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93





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Acq On : 29 Dec 2018 12:39
Operator : JU/SJ
Sample : J6428-14
Misc : GCMS Confirmation
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W7

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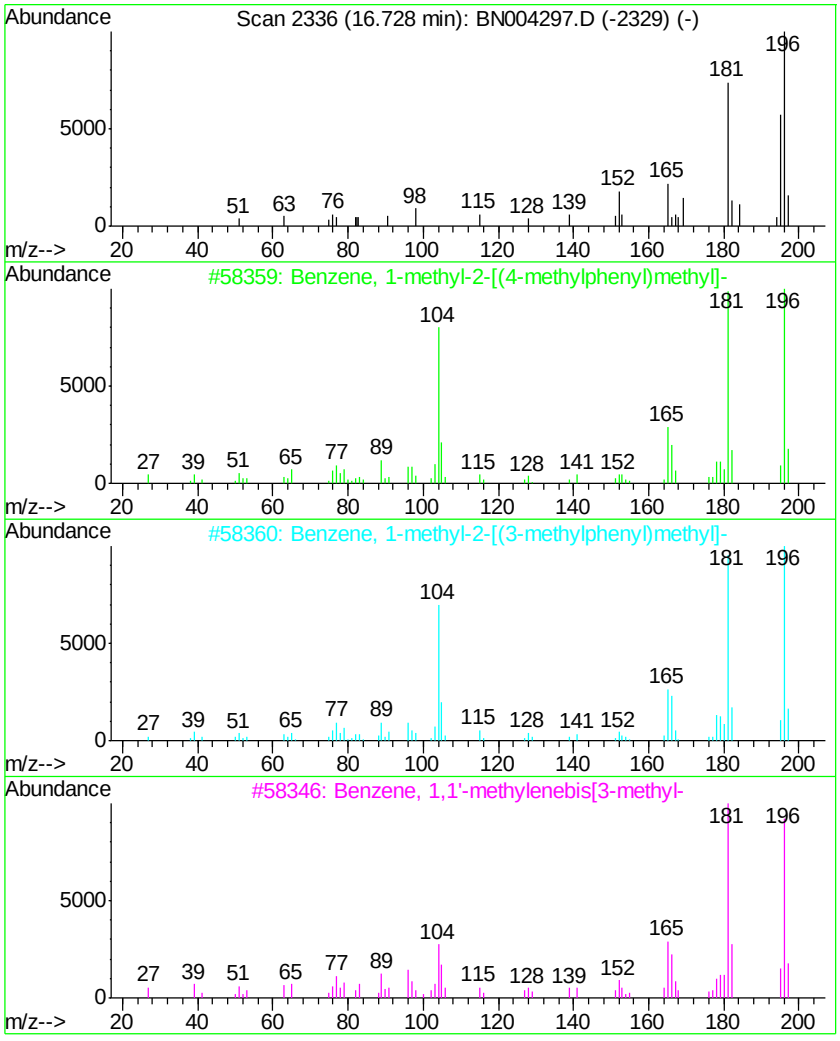
Quant Title : SVOA CALIBRATION

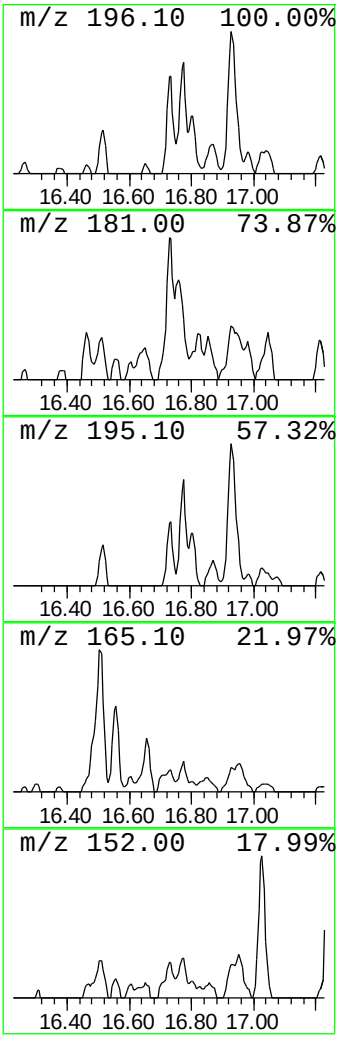
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-methyl-2-[(4-met... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	2.47 ng/ul	68338	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-[(4-methylph...	196	C15H16	021895-17-0	64
2	Benzene, 1-methyl-2-[(3-methylph...	196	C15H16	021895-13-6	64
3	Benzene, 1,1'-methylenebis[3-met...	196	C15H16	021895-14-7	58
4	Pentamethylmelamine	196	C8H16N6	035832-09-8	58
5	Methane, di-p-tolyl-	196	C15H16	004957-14-6	58





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Quant Title : SVOA CALIBRATION

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

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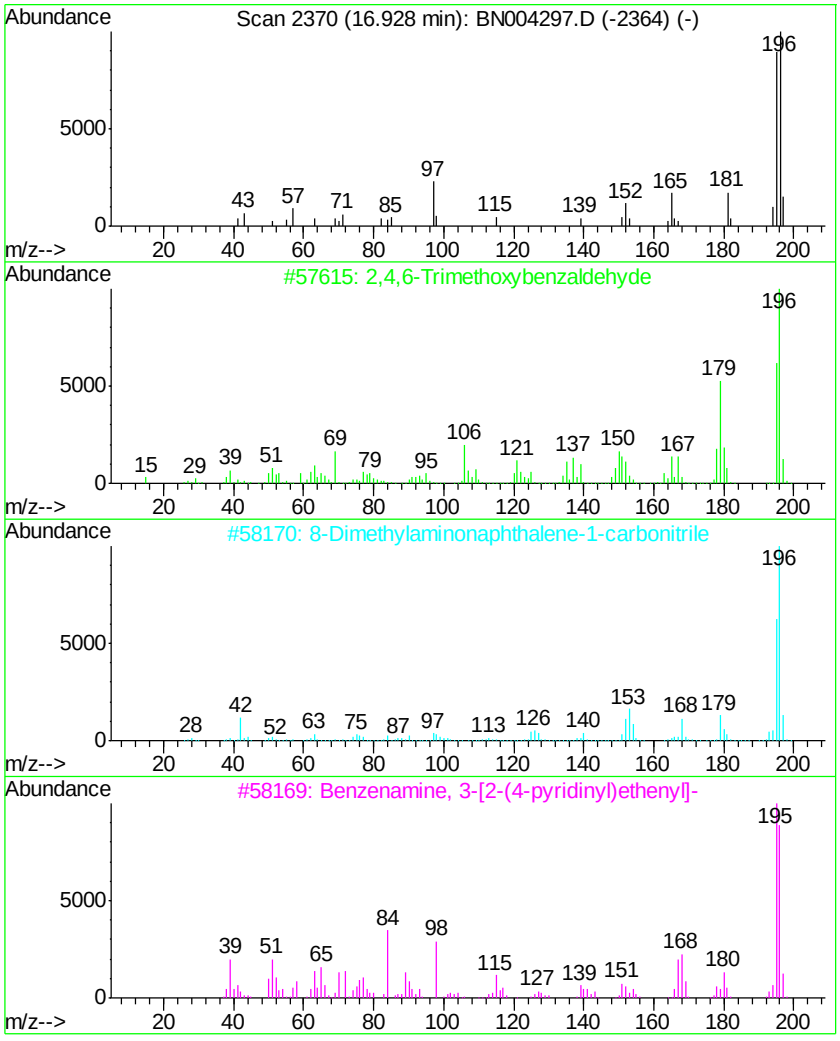
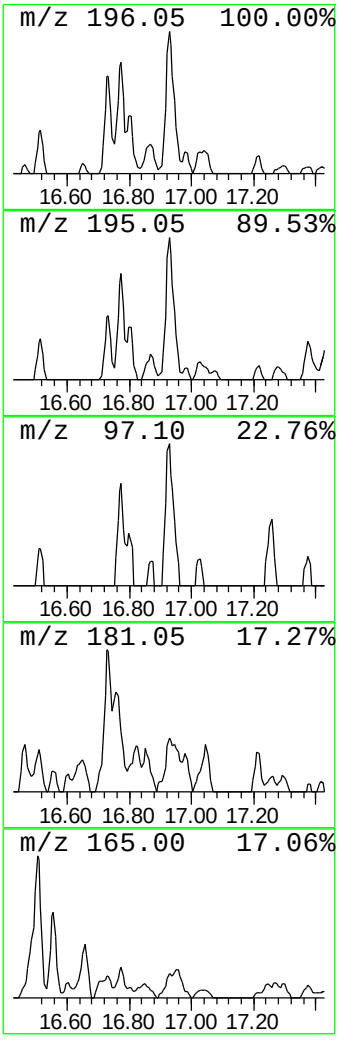
Peak Number 9 2,4,6-Trimethoxybenzaldehyde Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	2.28 ng/ul	63014	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	72
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
3	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	59
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	50





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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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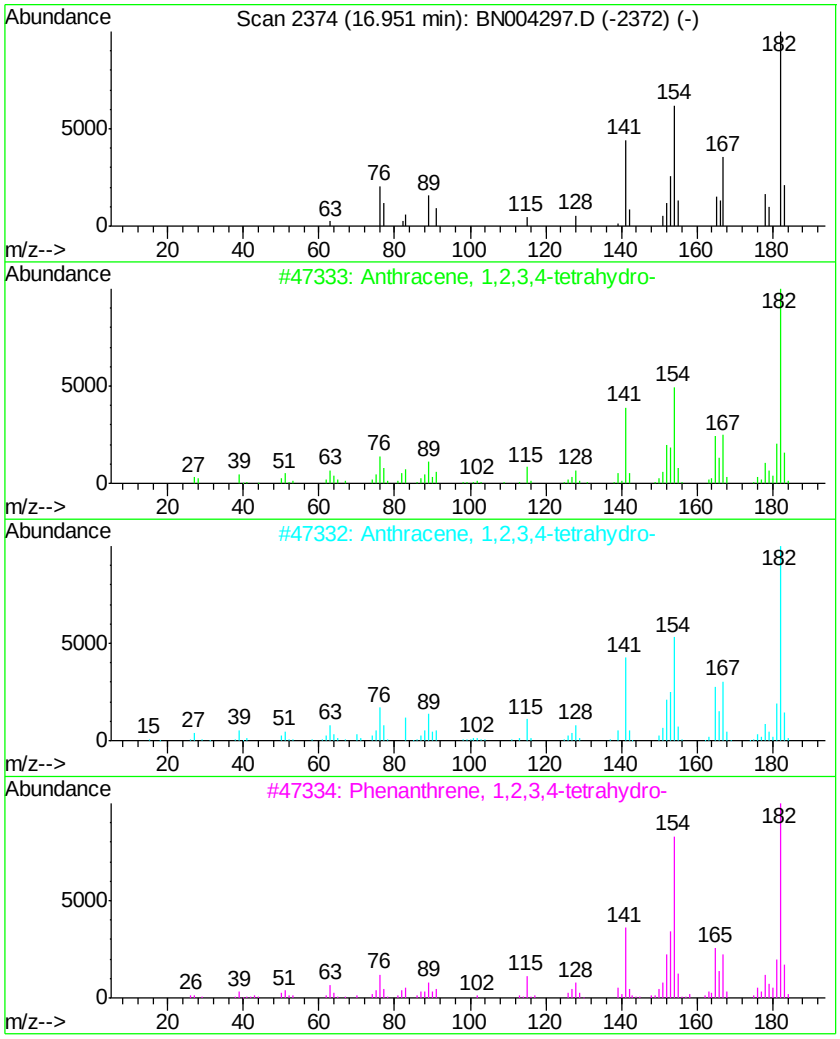
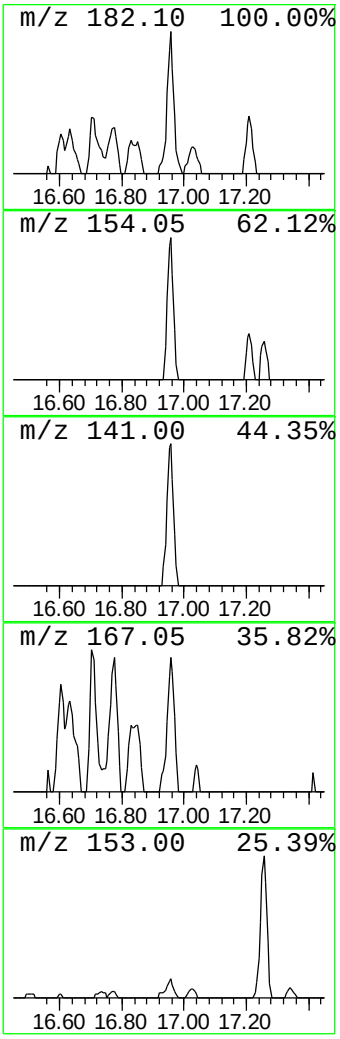
Peak Number 10 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	2.12 ng/ul	58483	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	91
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	86
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	47
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	43
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	43





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Misc : GCMS Confirmation
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Instrument : BNA_N
ClientSampleId : A41W7

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Quant Title : SVOA CALIBRATION

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

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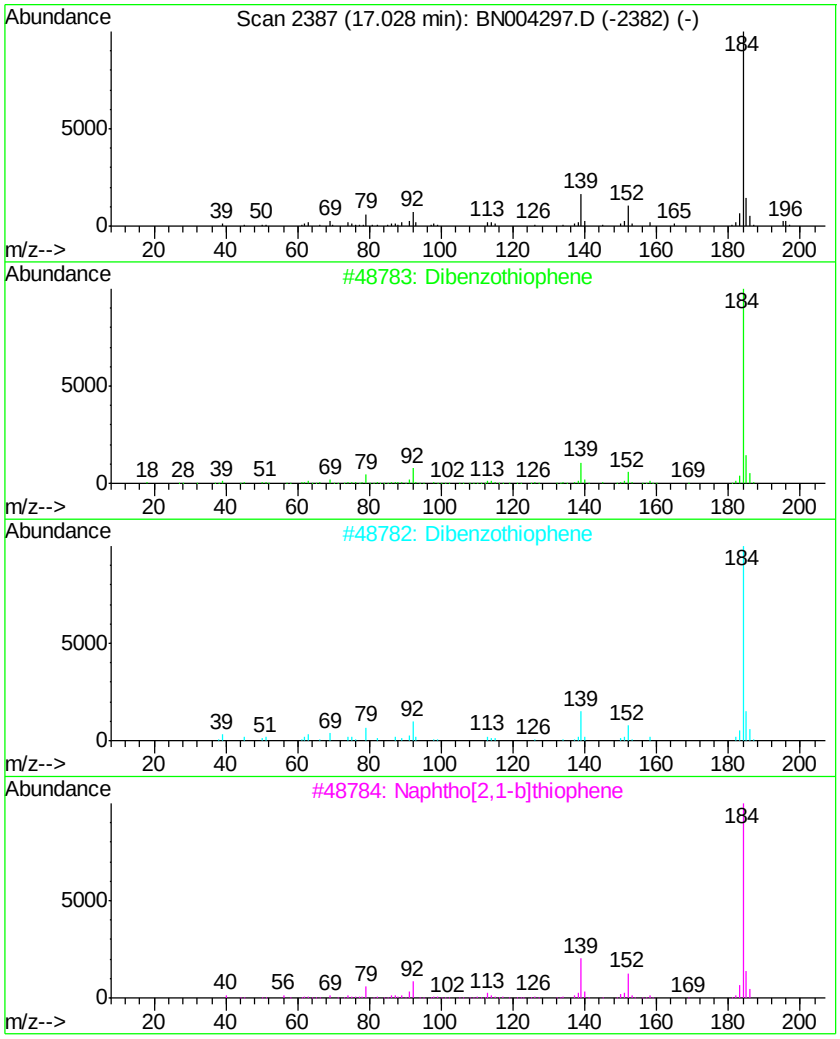
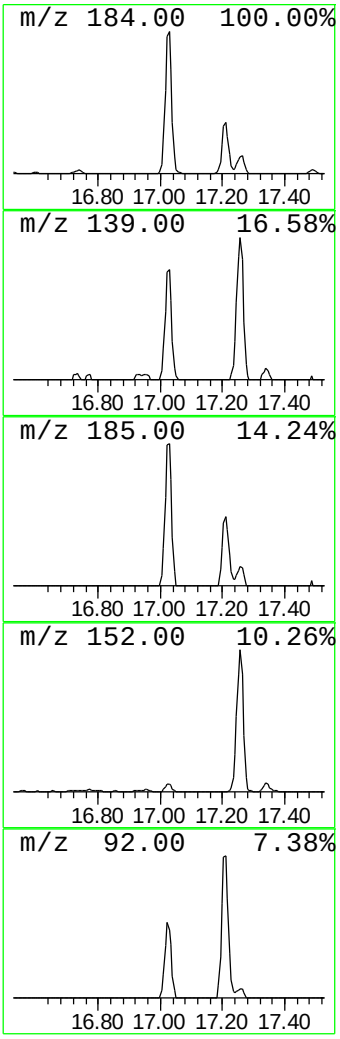
Peak Number 11 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	7.03 ng/ul	194326	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94





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ALS Vial : 33 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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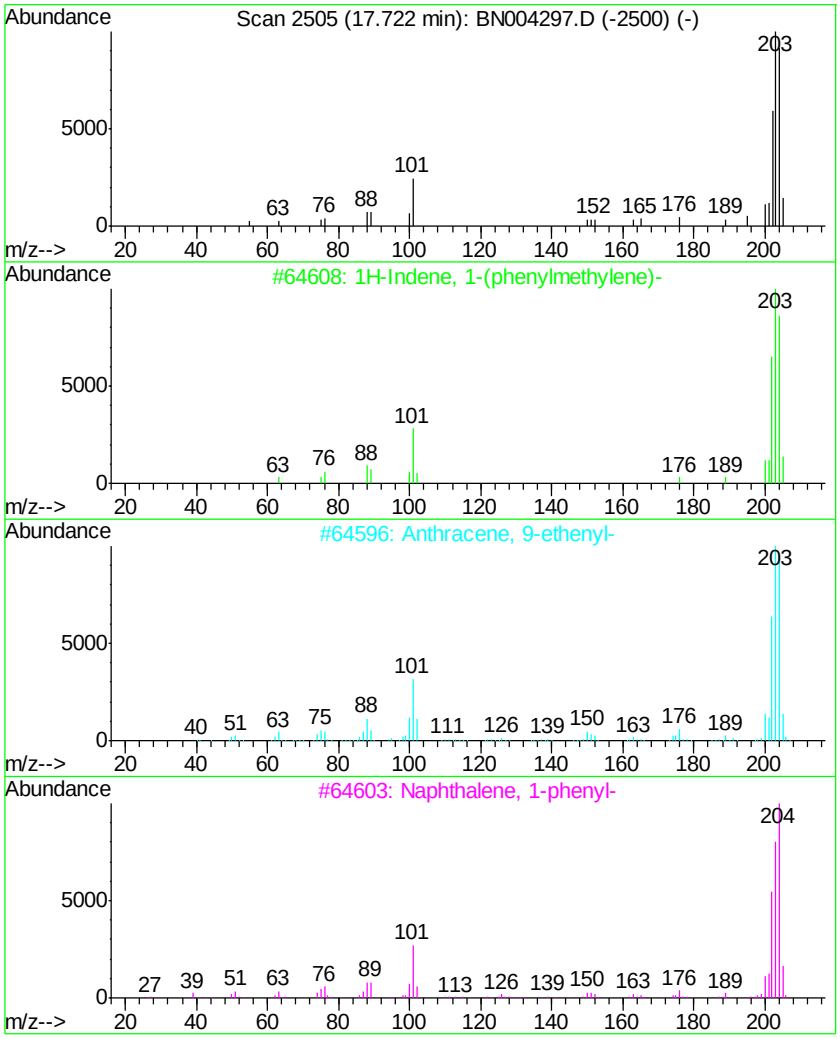
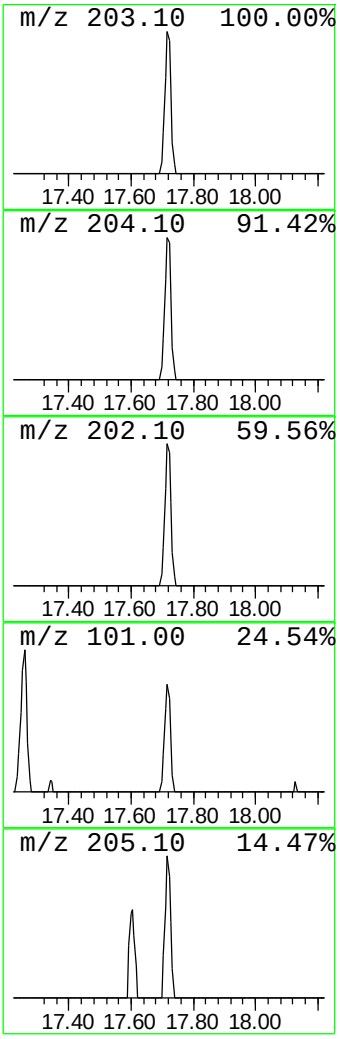
Peak Number 12 1H-Indene, 1-(phenylmethyle... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	2.29 ng/ul	63262	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	94
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	93
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	81





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ALS Vial : 33 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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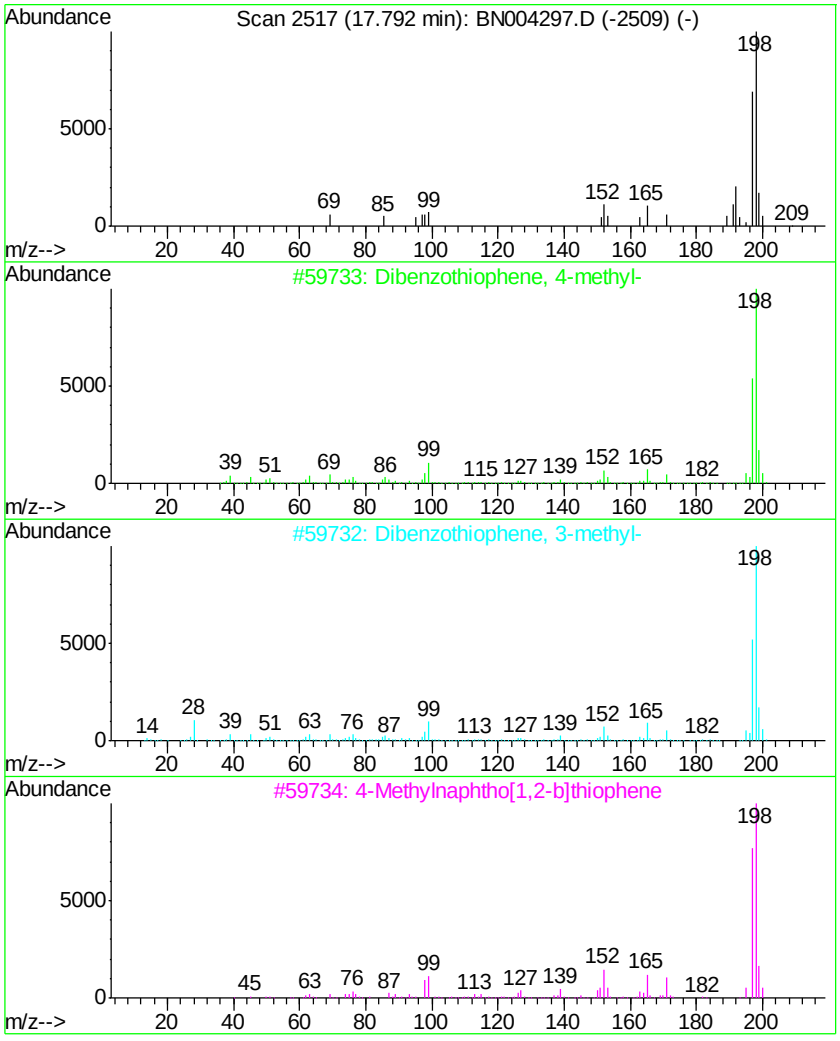
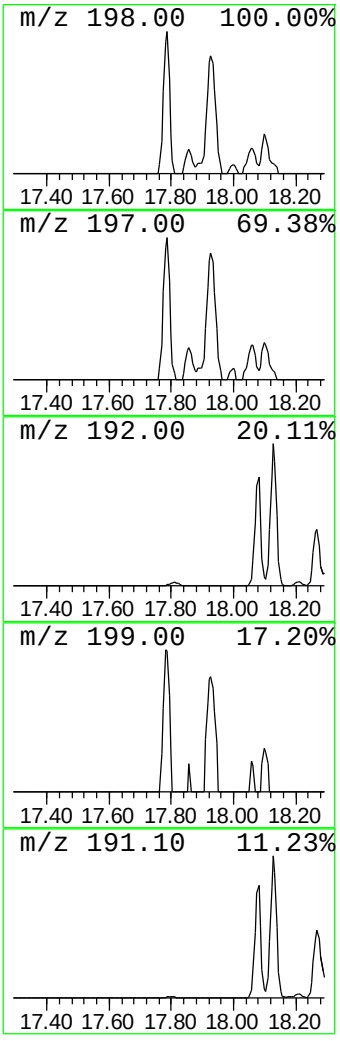
Peak Number 13 Dibenzothiophene, 4-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	2.12 ng/ul	58545	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	90
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	74





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Sample : J6428-14
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Instrument : BNA_N
ClientSampleId : A41W7

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Quant Title : SVOA CALIBRATION

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

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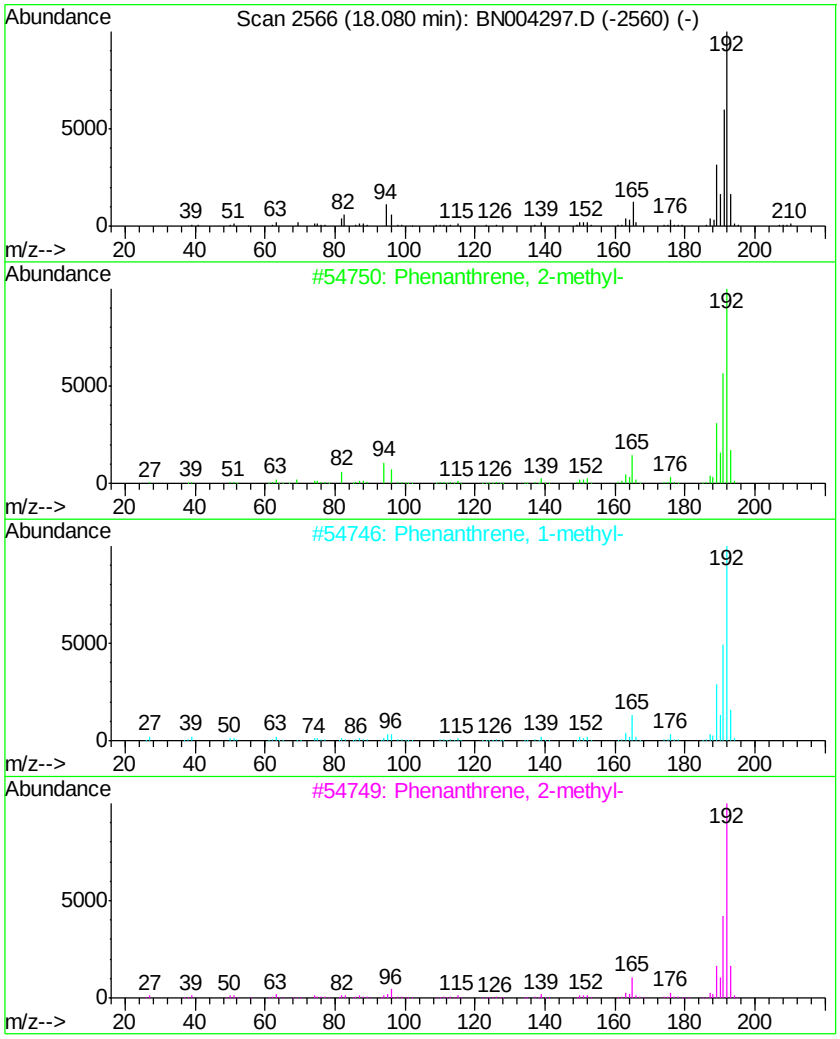
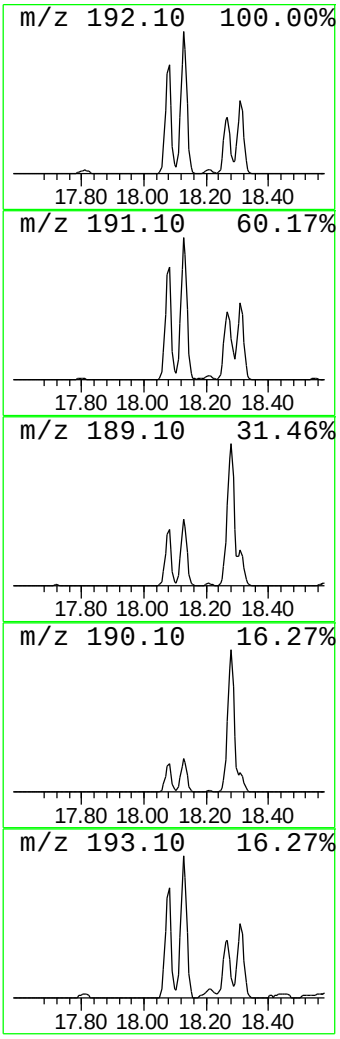
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	15.21 ng/ul	420189	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96





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Sample : J6428-14
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ALS Vial : 33 Sample Multiplier: 1

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

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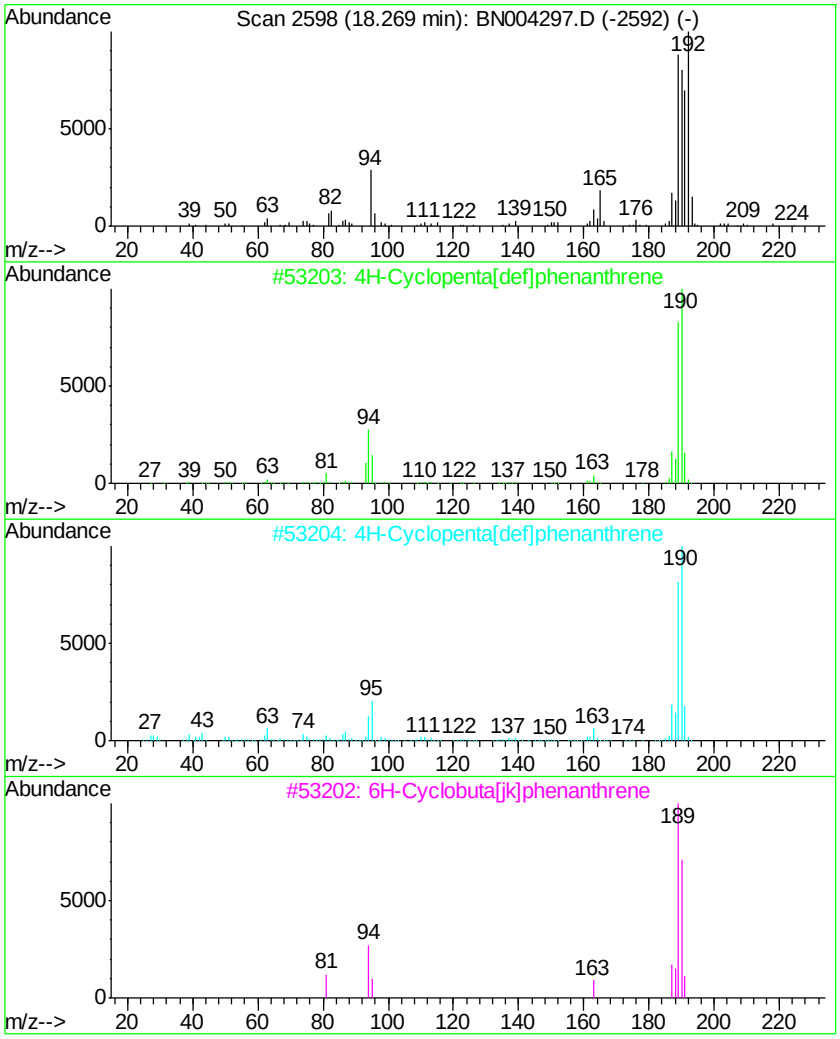
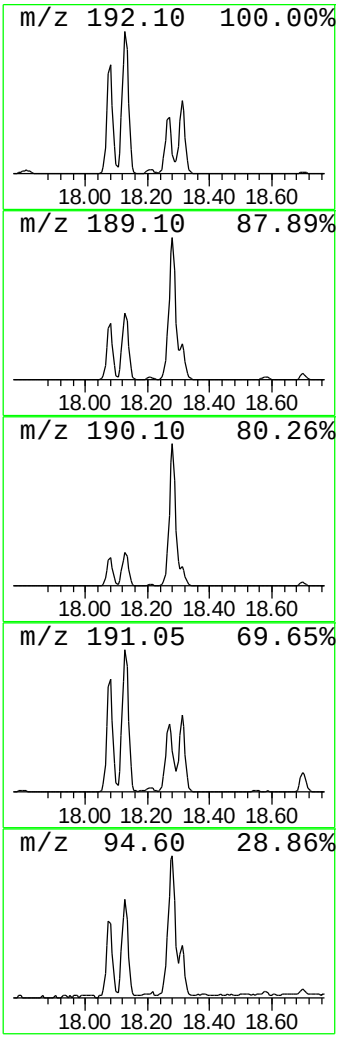
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	20.92 ng/ul	578093	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38





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Quant Title : SVOA CALIBRATION

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

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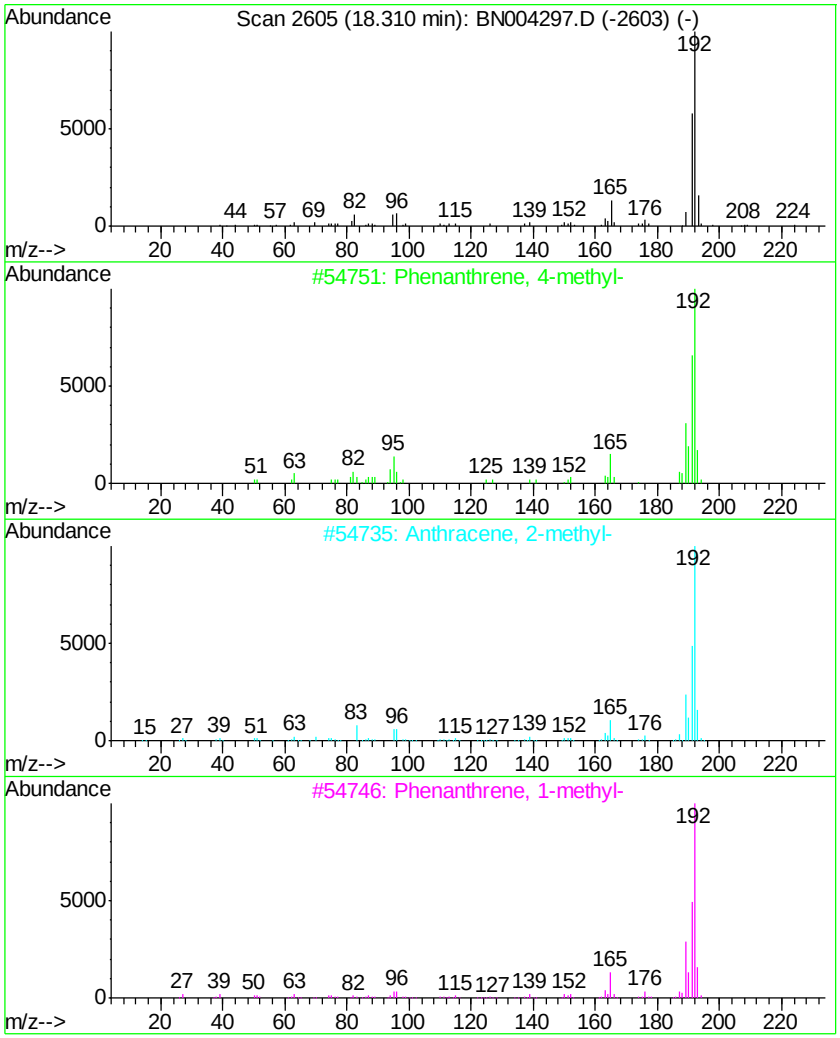
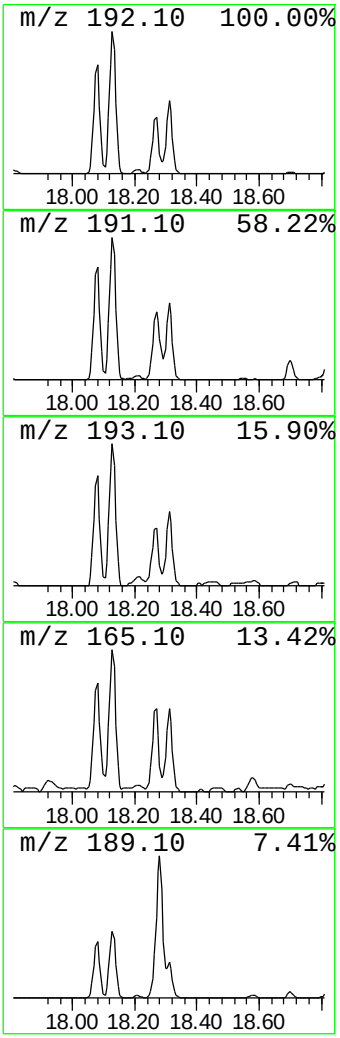
Peak Number 17 Phenanthrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	8.48 ng/ul	234288	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Quant Title : SVOA CALIBRATION

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

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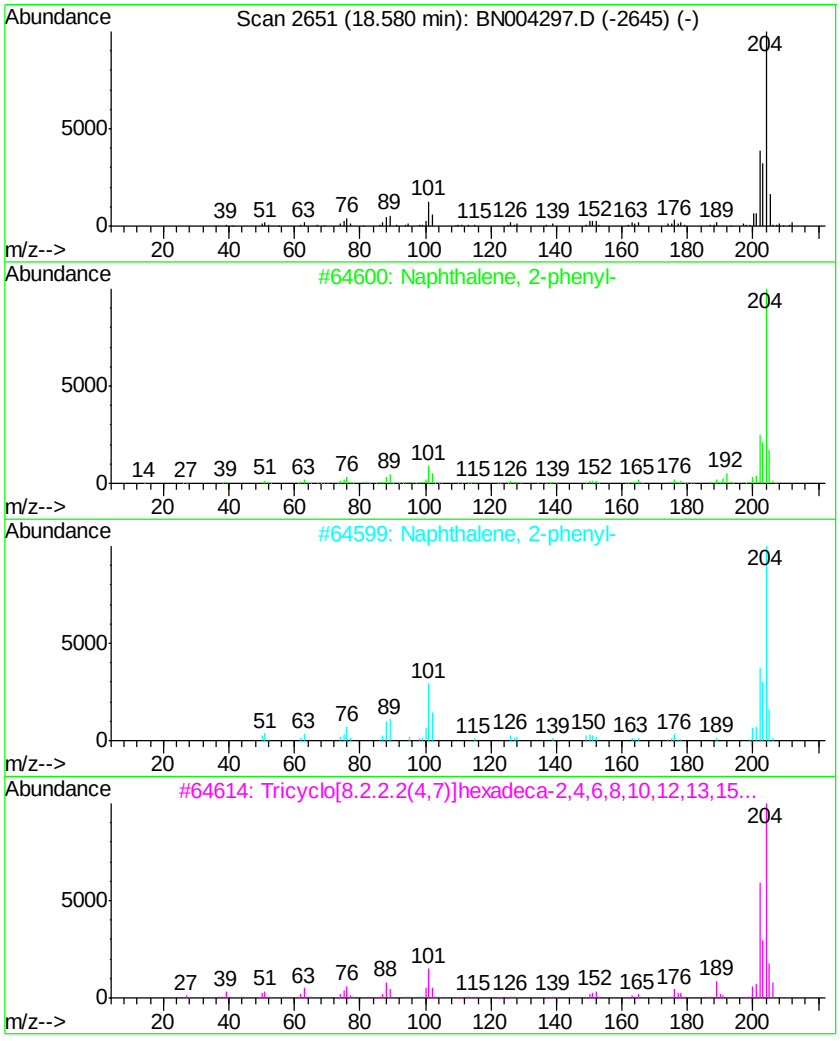
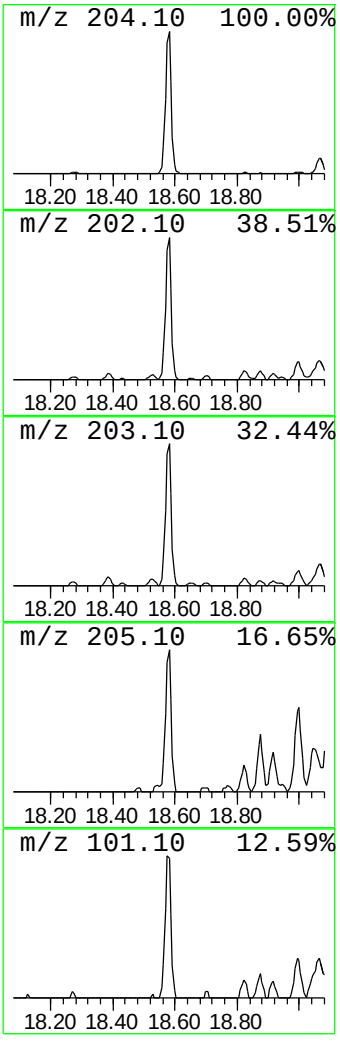
Peak Number 18 Naphthalene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	11.43 ng/ul	315850	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70





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

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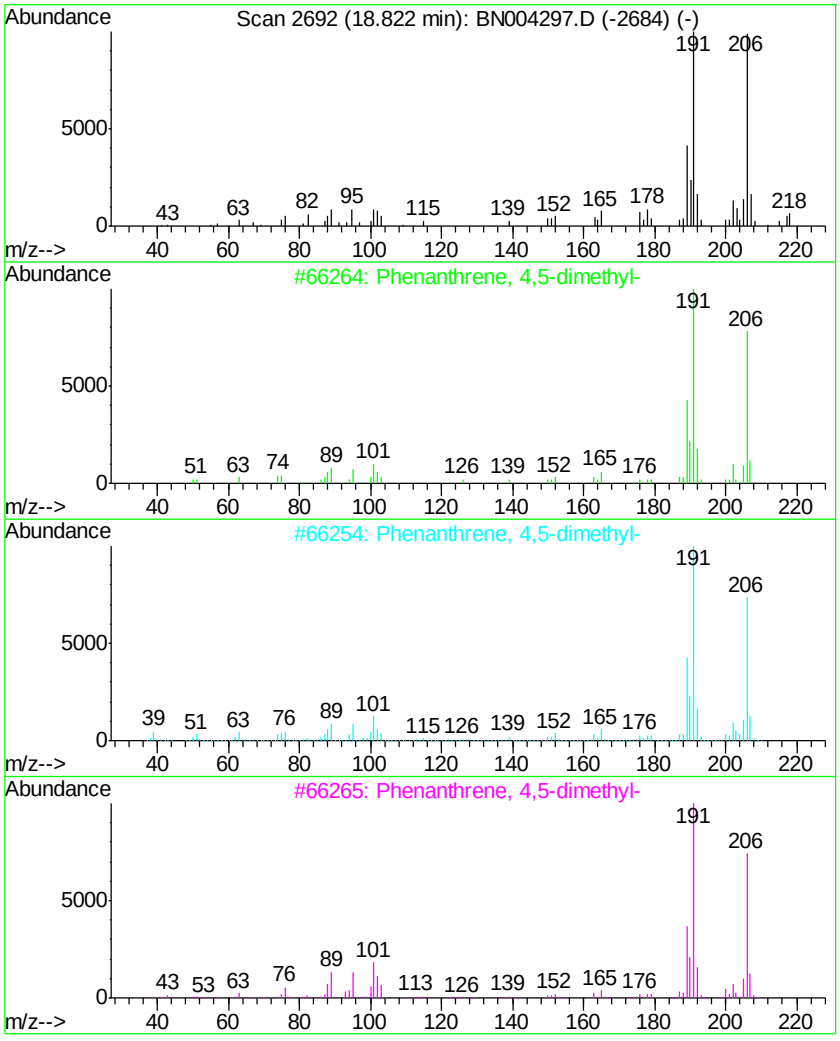
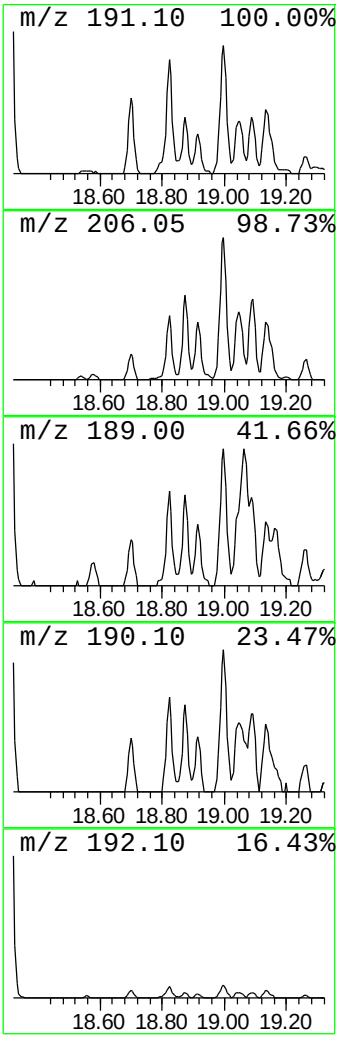
Peak Number 19 Phenanthrene, 4,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	3.86 ng/ul	106715	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	98
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93





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Acq On : 29 Dec 2018 12:39
Operator : JU/SJ
Sample : J6428-14
Misc : GCMS Confirmation
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W7

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Quant Title : SVOA CALIBRATION

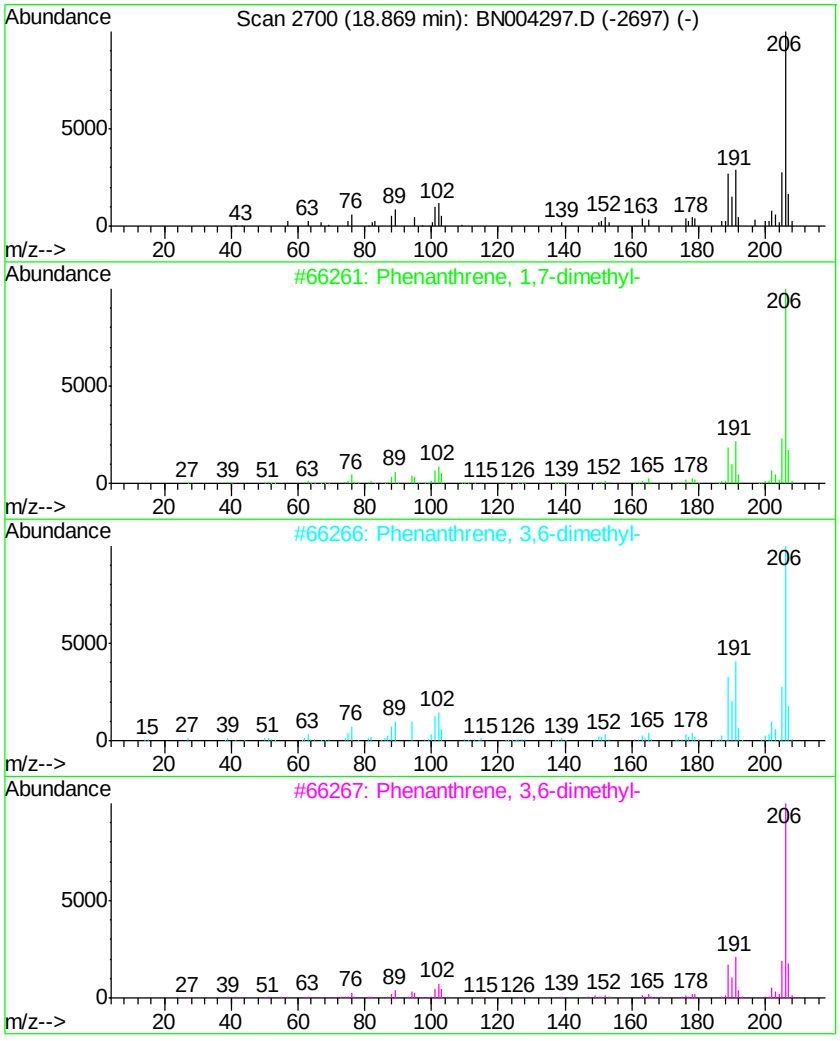
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

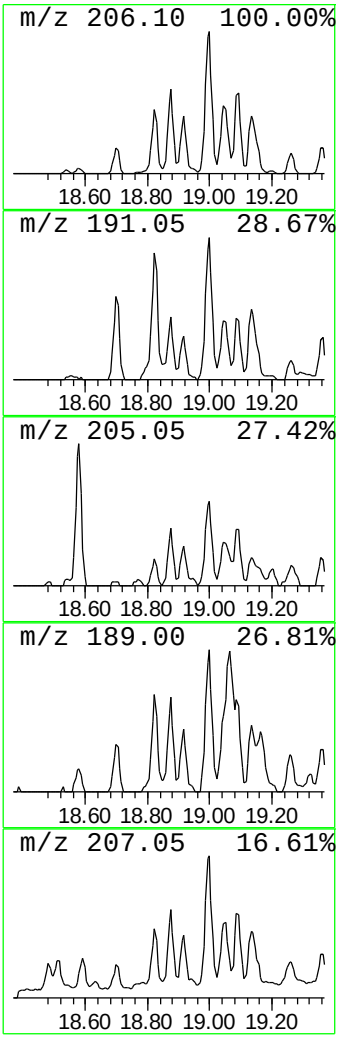
****

Peak Number 20 Phenanthrene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.91 ng/ul	80534	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Sample : J6428-14
Misc : GCMS Confirmation
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W7

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Quant Title : SVOA CALIBRATION

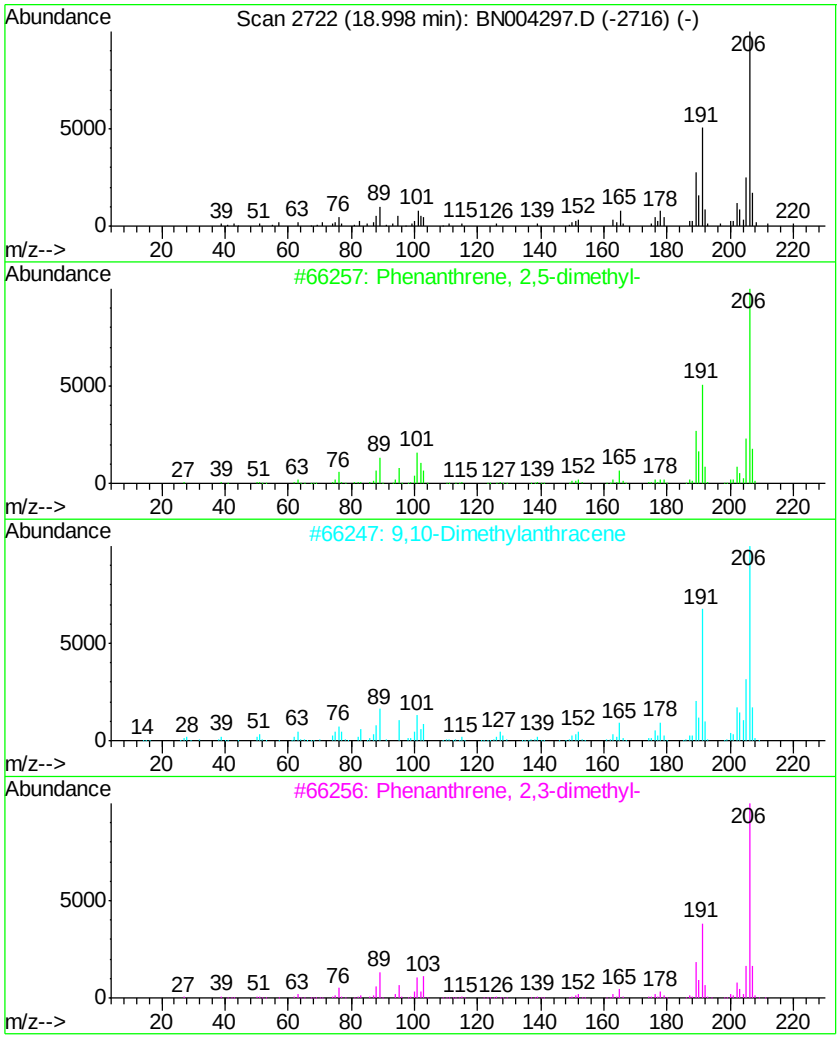
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

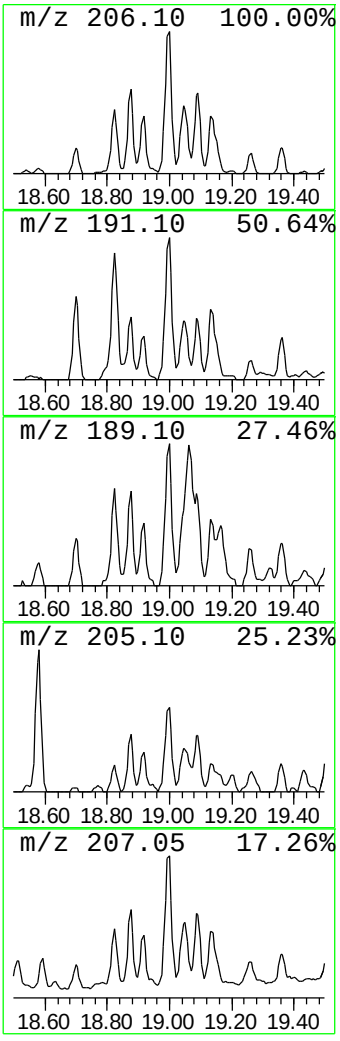
****

Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	7.27 ng/ul	200777	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Sample : J6428-14
Misc : GCMS Confirmation
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W7

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Quant Title : SVOA CALIBRATION

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

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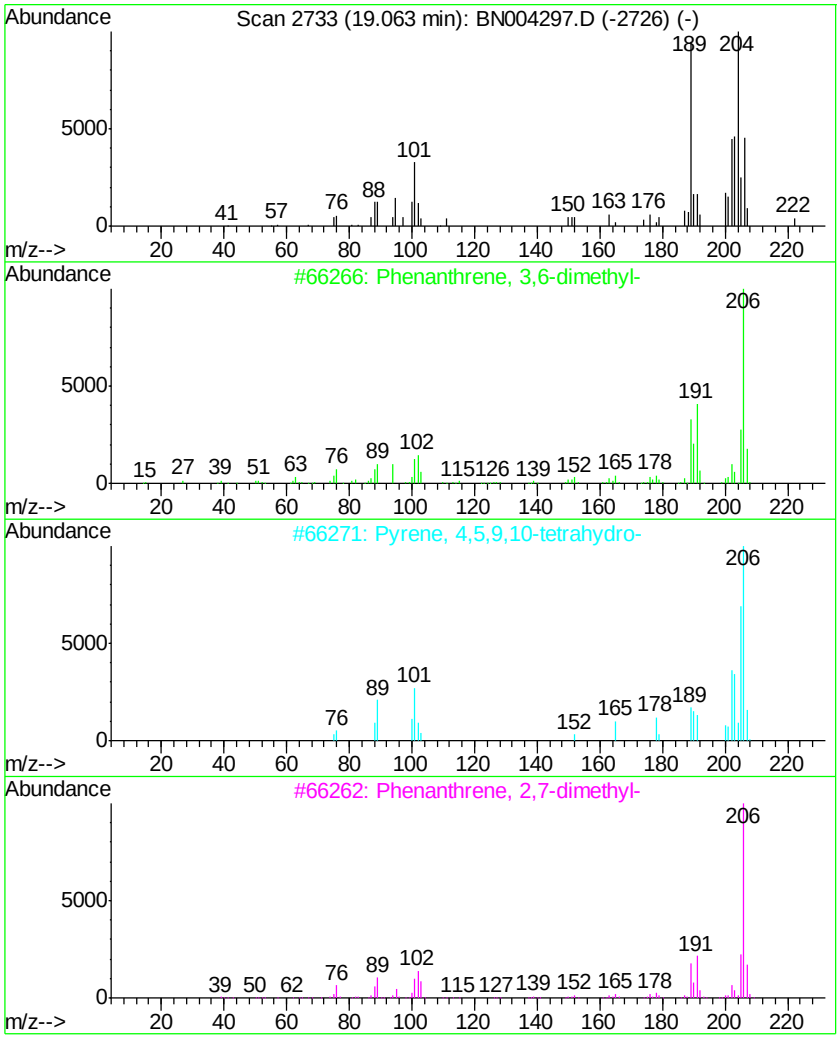
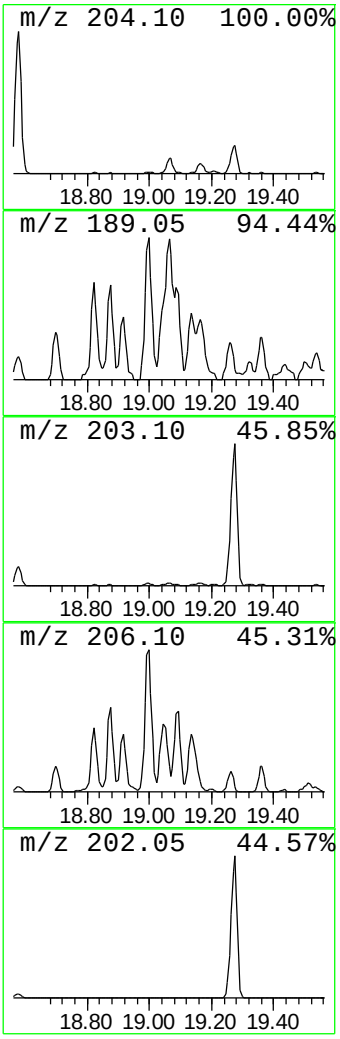
Peak Number 22 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	4.75 ng/ul	131147	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	55
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	49
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	45
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	45





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Sample : J6428-14
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ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W7

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Quant Title : SVOA CALIBRATION

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

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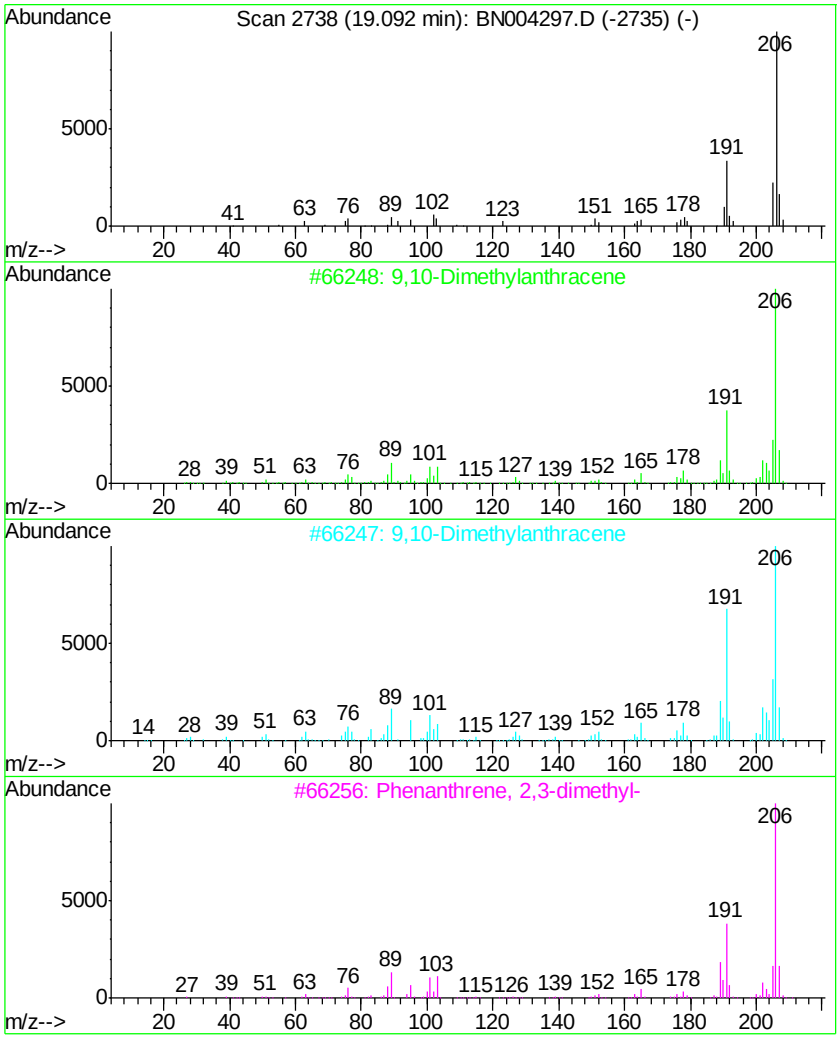
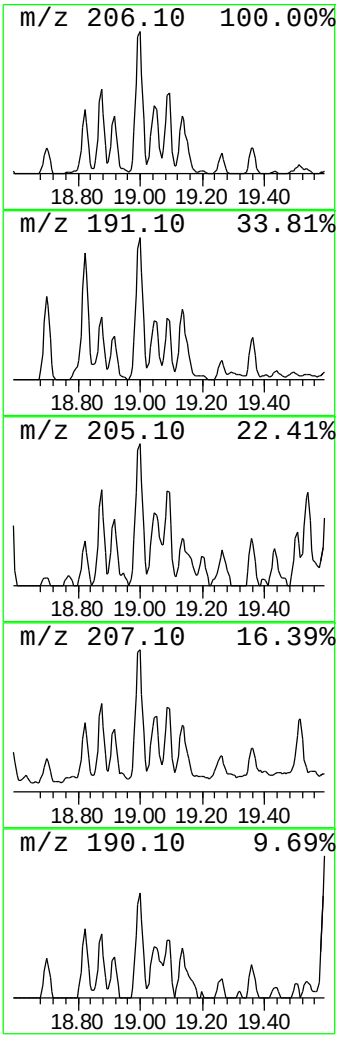
Peak Number 23 9,10-Dimethylanthracene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	2.26 ng/ul	62573	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	86
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	81





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Sample : J6428-14
Misc : GCMS Confirmation
ALS Vial : 33 Sample Multiplier: 1

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ClientSampleId : A41W7

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Quant Title : SVOA CALIBRATION

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

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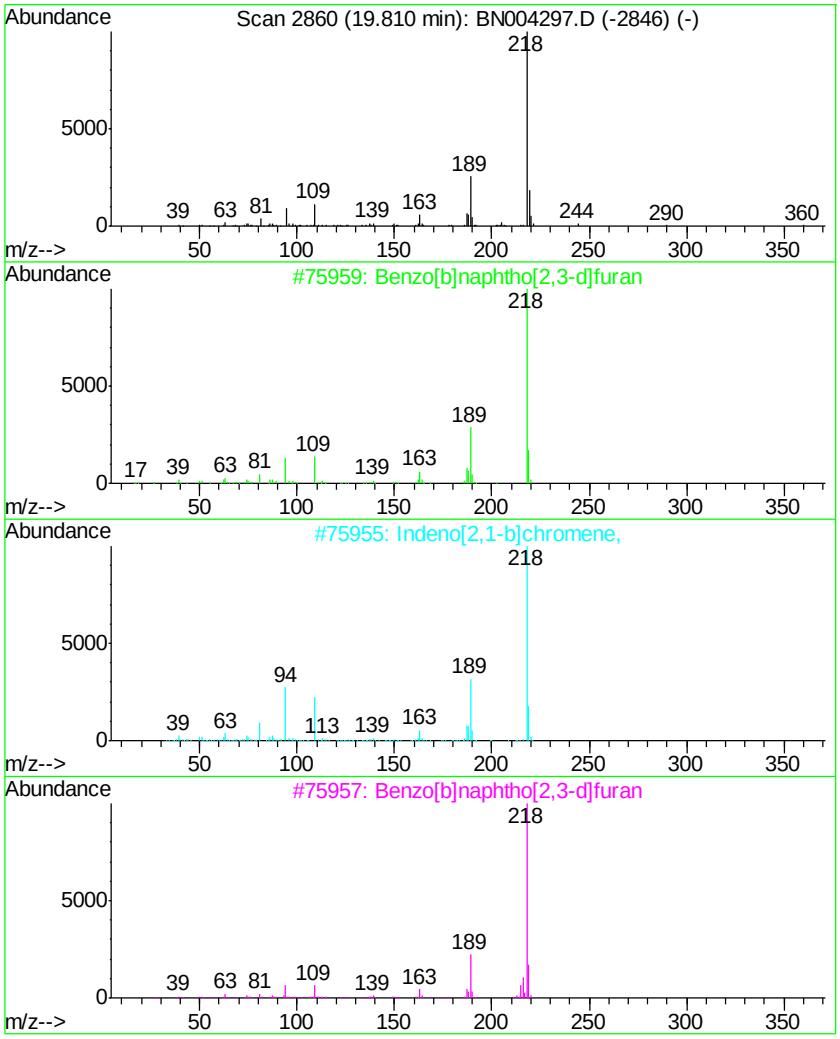
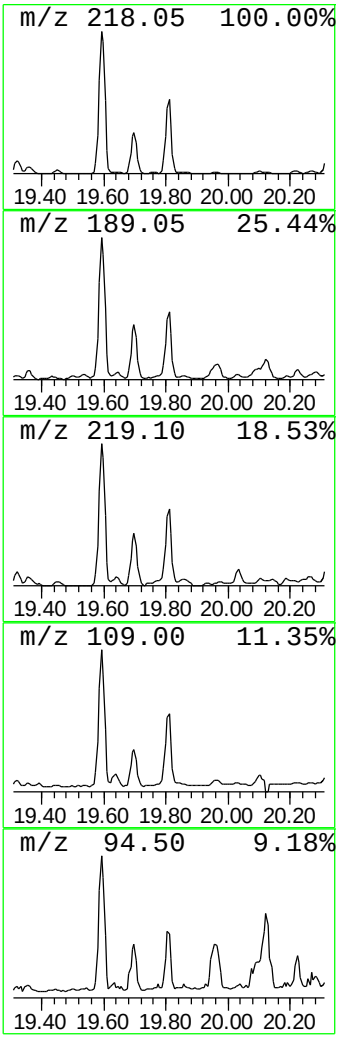
Peak Number 25 Benzo[b]naphtho[2,3-d]furan Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	2.94 ng/ul	312482	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	97
2	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	96
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93





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Sample : J6428-14
Misc : GCMS Confirmation
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W7

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Quant Title : SVOA CALIBRATION

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

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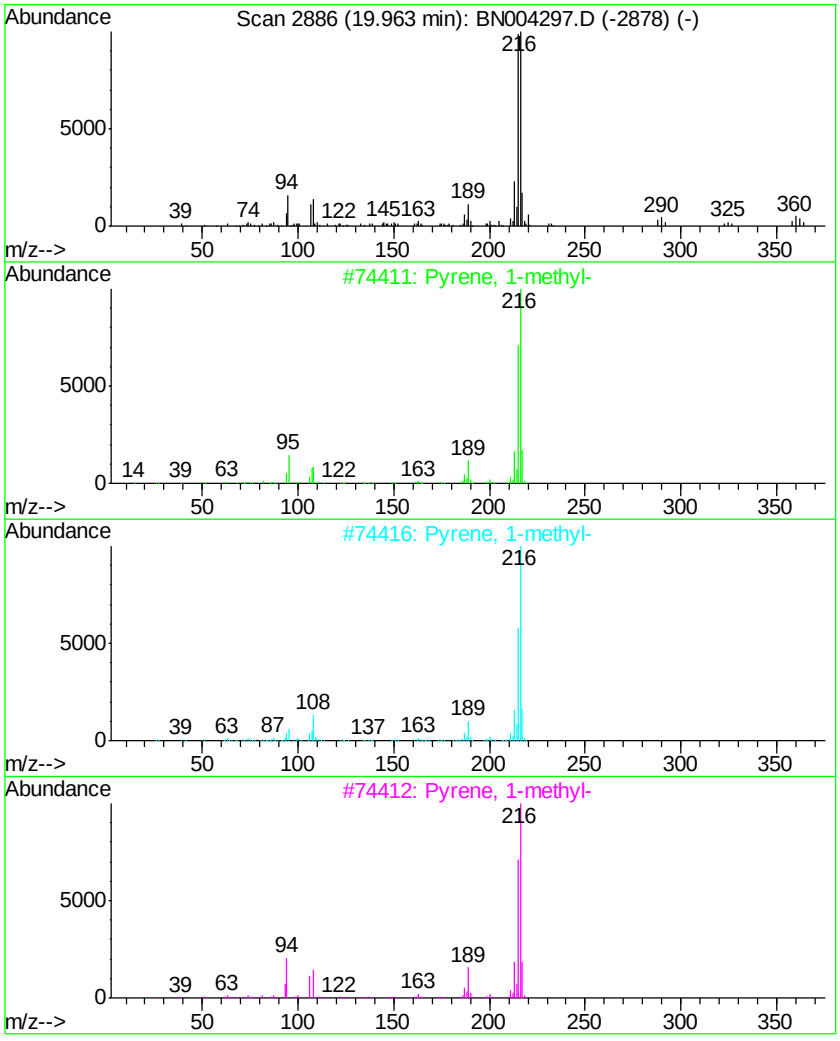
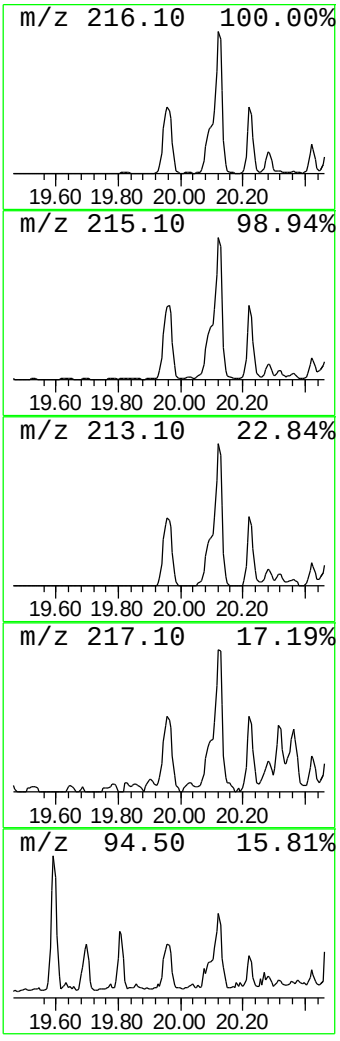
Peak Number 26 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	3.09 ng/ul	328193	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Sample : J6428-14
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ALS Vial : 33 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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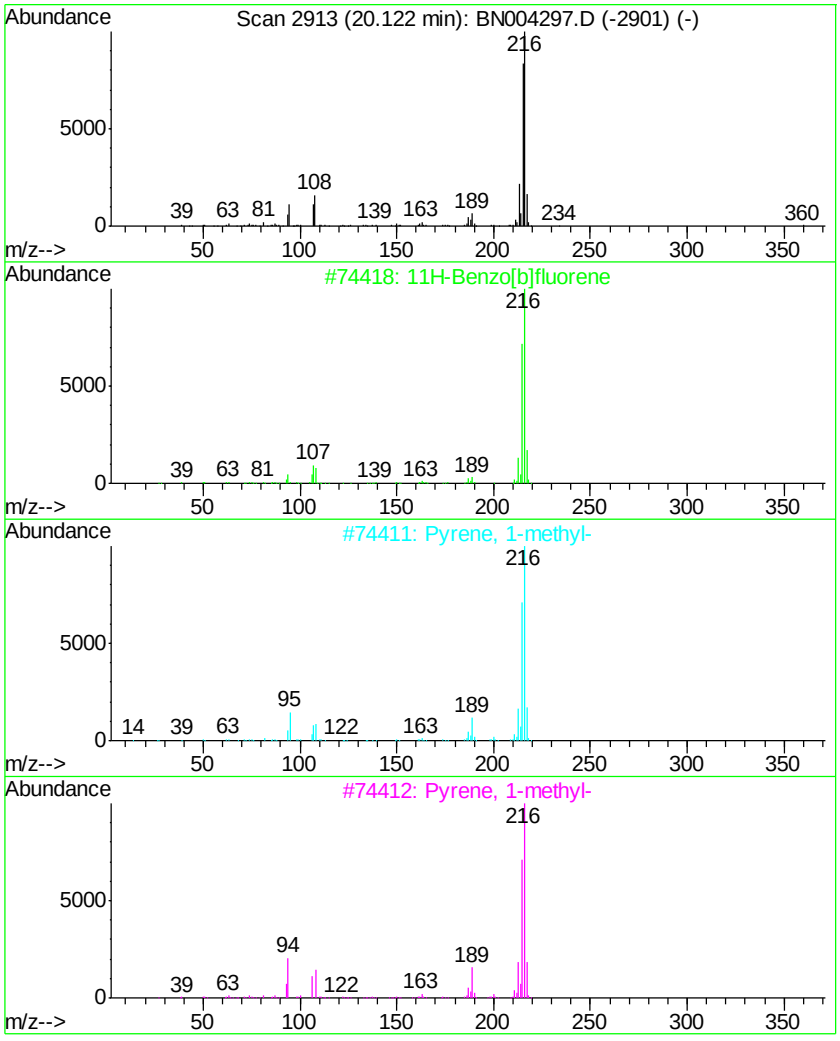
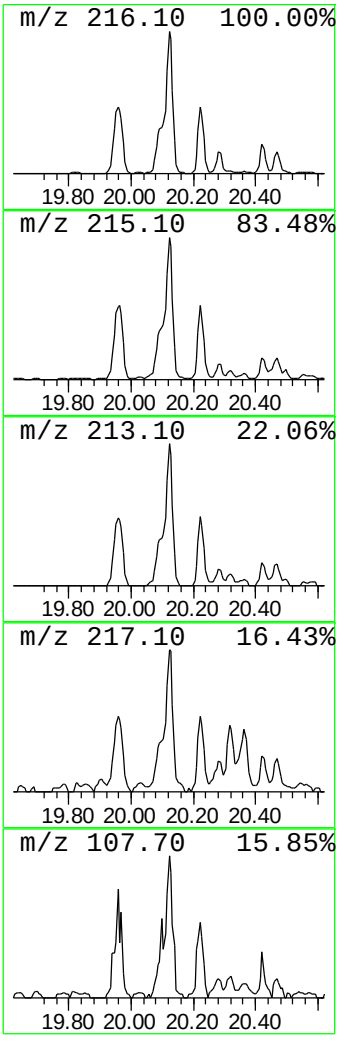
Peak Number 27 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	6.00 ng/ul	638487	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





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Quant Title : SVOA CALIBRATION

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

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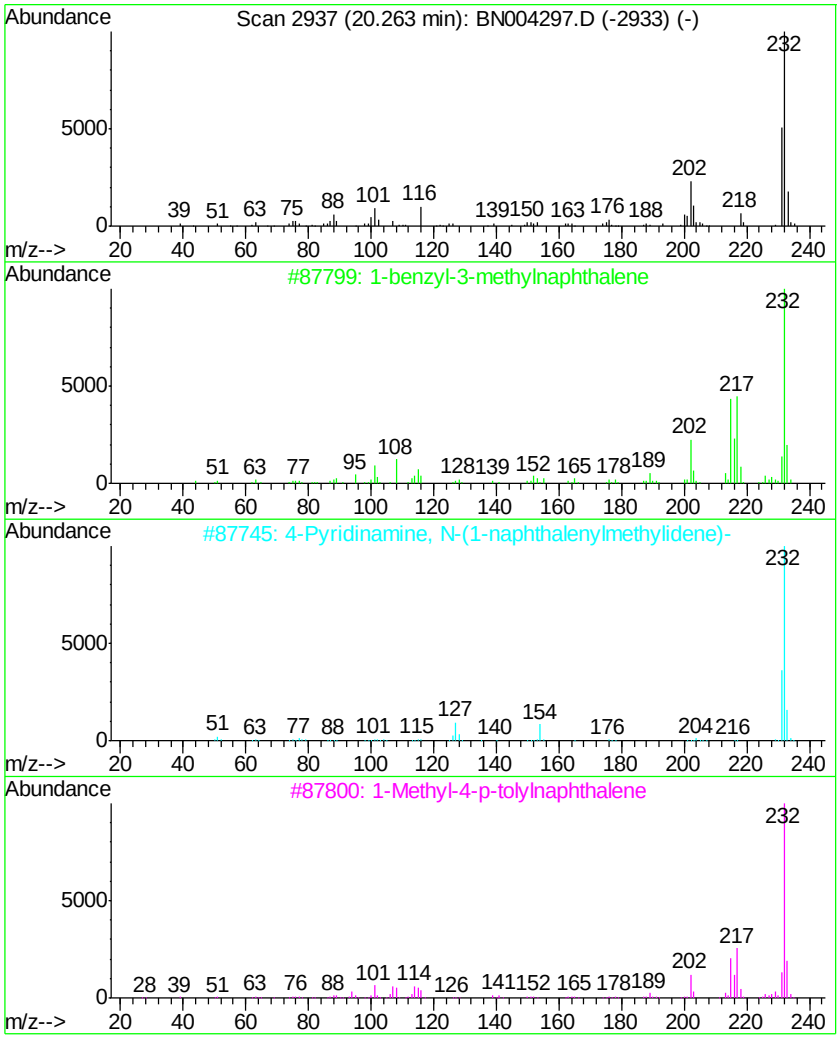
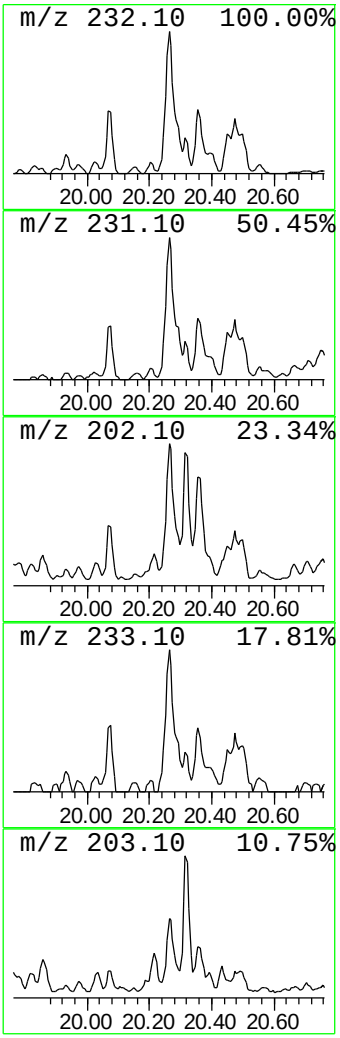
Peak Number 28 1-benzyl-3-methylnaphthalene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	2.20 ng/ul	234322	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-benzyl-3-methylnaphthalene	232	C18H16	1000379-93-5	58
2	4-Pyridinamine, N-(1-naphthaleny...	232	C16H12N2	1000317-32-7	58
3	1-Methyl-4-p-tolylnaphthalene	232	C18H16	093870-57-6	53
4	Azulene, 4,8-dimethyl-6-phenyl-	232	C18H16	042758-88-3	53
5	1,4-Dimethyl-2-phenyl-naphthalene	232	C18H16	051036-91-0	50





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Sample : J6428-14
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ALS Vial : 33 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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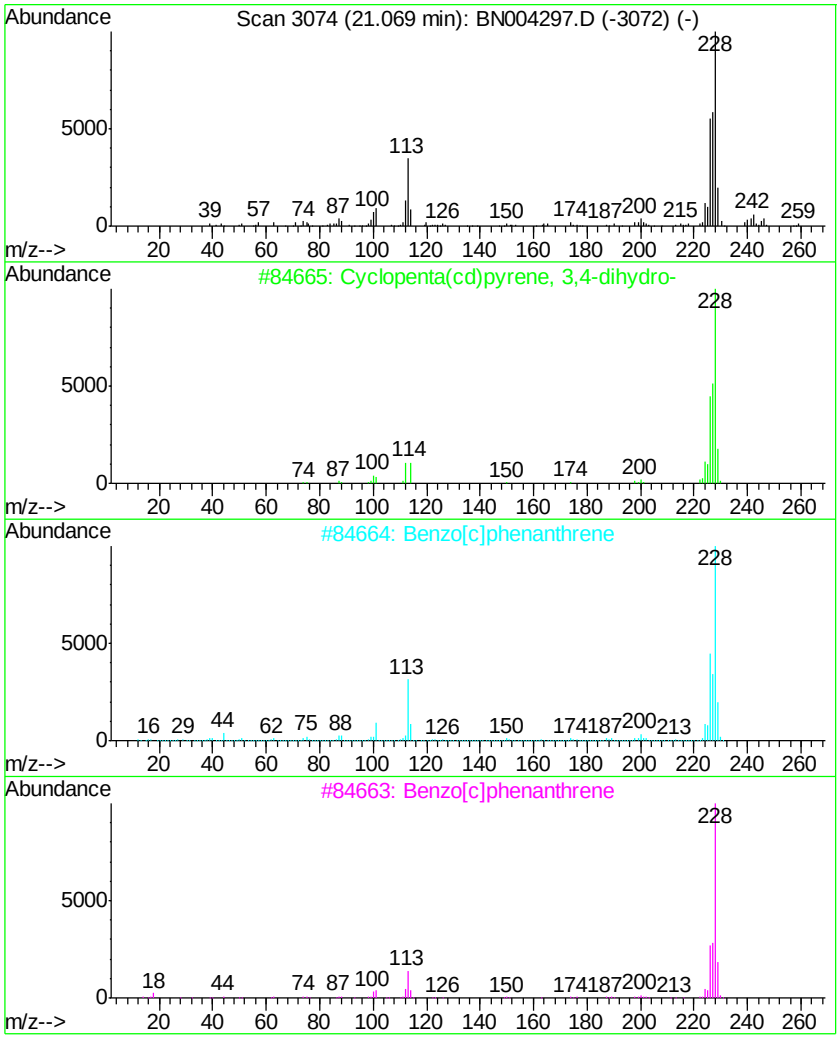
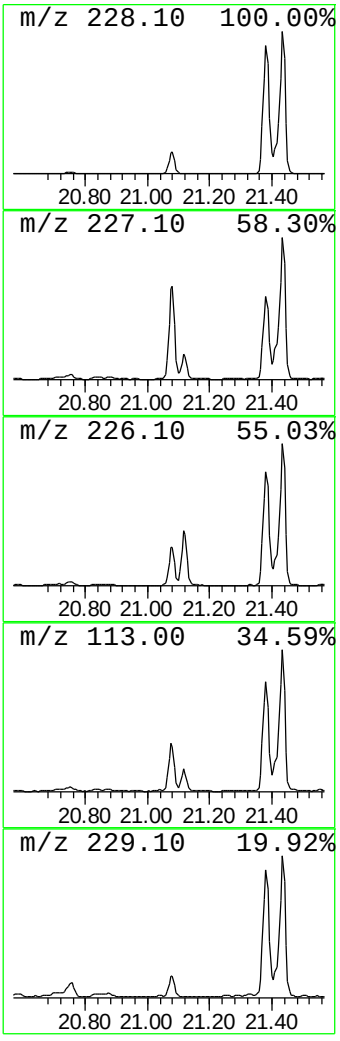
Peak Number 29 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	3.03 ng/ul	321939	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	92
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	83
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	70
4	Triphenylene	228	C18H12	000217-59-4	60
5	Benz[a]anthracene	228	C18H12	000056-55-3	55





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Quant Title : SVOA CALIBRATION

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

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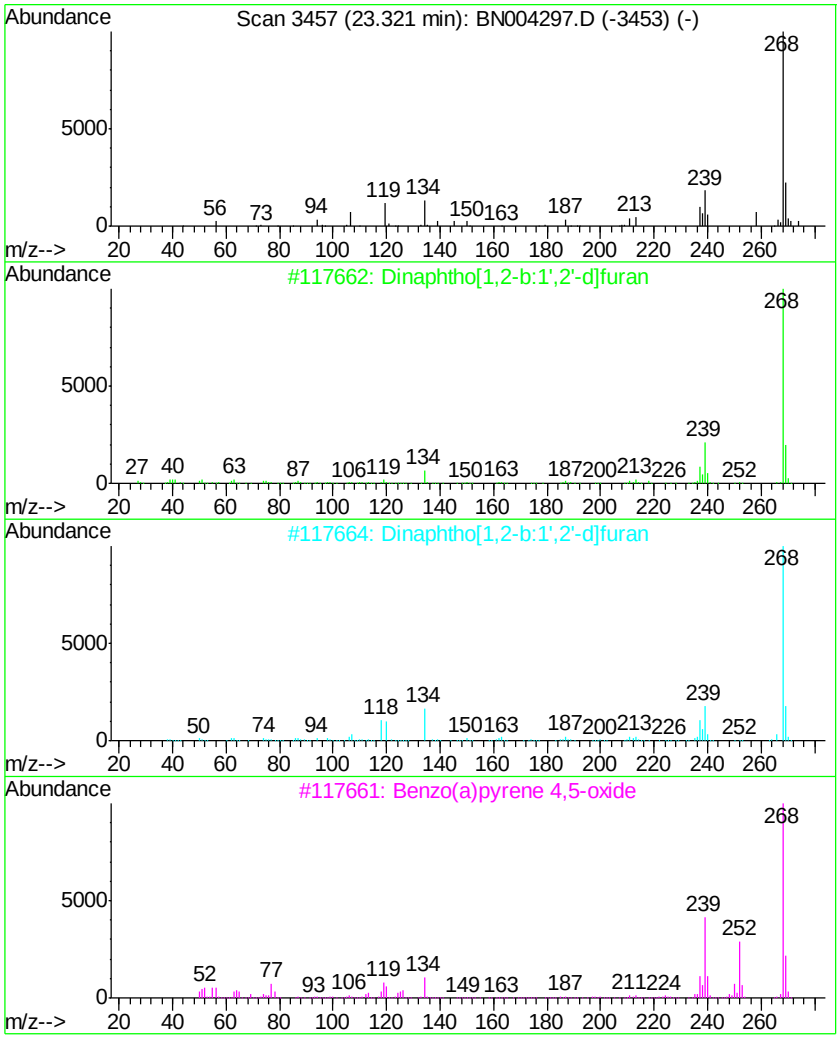
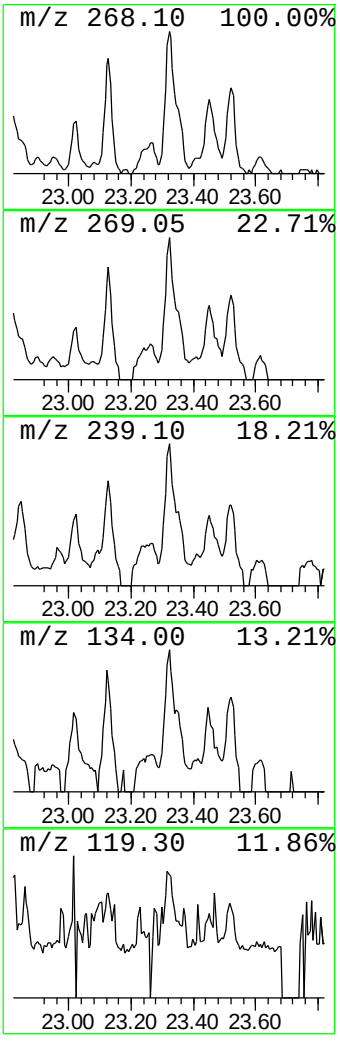
Peak Number 30 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.32	2.06 ng/ul	57219	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	80
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	74
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	72
5	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	64





Tentatively Identified Compound (LSC) summary

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ClientSampleId : A41W7

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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
(DEL) Alkane: Str...	3.19	10.9	ng/ul	87764	1	7.82	160410	20.0
Naphthalene, 2,6-...	13.77	2.4	ng/ul	52317	3	14.46	431878	20.0
1,1'-Biphenyl, 2-...	15.67	2.4	ng/ul	52170	3	14.46	431878	20.0
[1,1'-Biphenyl]-4...	15.80	4.5	ng/ul	96934	3	14.46	431878	20.0
2,4,6-Cycloheptat...	15.95	5.7	ng/ul	157971	4	17.21	552671	20.0
9H-Fluorene, 1-me...	16.51	3.8	ng/ul	106193	4	17.21	552671	20.0
Benzene, 1-methyl...	16.73	2.5	ng/ul	68338	4	17.21	552671	20.0
2,4,6-Trimethoxyb...	16.93	2.3	ng/ul	63014	4	17.21	552671	20.0
Anthracene, 1,2,3...	16.95	2.1	ng/ul	58483	4	17.21	552671	20.0
Dibenzothiophene	17.03	7.0	ng/ul	194326	4	17.21	552671	20.0
1H-Indene, 1-(phe...	17.72	2.3	ng/ul	63262	4	17.21	552671	20.0
Dibenzothiophene,...	17.79	2.1	ng/ul	58545	4	17.21	552671	20.0
Phenanthrene, 2-m...	18.08	15.2	ng/ul	420189	4	17.21	552671	20.0
4H-Cyclopenta[def...	18.27	20.9	ng/ul	578093	4	17.21	552671	20.0
Phenanthrene, 4-m...	18.31	8.5	ng/ul	234288	4	17.21	552671	20.0
Naphthalene, 2-ph...	18.58	11.4	ng/ul	315850	4	17.21	552671	20.0
Phenanthrene, 4,5...	18.82	3.9	ng/ul	106715	4	17.21	552671	20.0
Phenanthrene, 1,7...	18.87	2.9	ng/ul	80534	4	17.21	552671	20.0
Phenanthrene, 2,5...	19.00	7.3	ng/ul	200777	4	17.21	552671	20.0
Phenanthrene, 3,6...	19.06	4.8	ng/ul	131147	4	17.21	552671	20.0
9,10-Dimethylanth...	19.09	2.3	ng/ul	62573	4	17.21	552671	20.0
Benzo[b]naphtho[2...	19.81	2.9	ng/ul	312482	5	21.40	2126600	20.0
Pyrene, 1-methyl-	19.96	3.1	ng/ul	328193	5	21.40	2126600	20.0
11H-Benzo[b]fluorene	20.12	6.0	ng/ul	638487	5	21.40	2126600	20.0
1-benzyl-3-methyl...	20.26	2.2	ng/ul	234322	5	21.40	2126600	20.0
Cyclopenta(cd)pyr...	21.07	3.0	ng/ul	321939	5	21.40	2126600	20.0
Dinaphtho[1,2-b:1...	23.32	2.1	ng/ul	57219	6	23.72	555961	20.0