LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004295.D
Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

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	3.187	31	34	41	rVB	80680	90563	4.26%	0.647%
2	7.816	815	821	829	rBB	97278	147817	6.96%	1.056%
3	10.616	1290	1297	1302	rBV	146680	247244	11.64%	1.767%
4	10.663	1302	1305	1312	rVB	25084	37611	1.77%	0.269%
5	14.457	1942	1950	1957	rBV2	256747	395066	18.60%	2.823%
6	14.522	1957	1961	1967	rVB	49084	68235	3.21%	0.488%
7	14.857	2012	2018	2026	rBV	49547	70045	3.30%	0.501%
8	15.510	2122	2129	2136	rBB	75270	113819	5.36%	0.813%
9	15.798	2174	2178	2183	rVB	24032	33263	1.57%	0.238%
10	15.945	2198	2203	2211	rBB	26765	49506	2.33%	0.354%
11	16.510	2288	2299	2303	rBV3	22197	38866	1.83%	0.278%
12	16.728	2330	2336	2340	rBV3	13803	24937	1.17%	0.178%
13	16.928	2365	2370	2372	rBV2	18012	24480	1.15%	0.175%
14	17.028	2382	2387	2393	rVB	48637	65148	3.07%	0.466%
15	17.210	2411	2418	2421	rBV	330668	492628	23.19%	3.521%
16	17.251	2421	2425	2431	rVV	1104328	1464730	68.94%	10.468%
17	17.339	2435	2440	2445	rBV	67157	87963	4.14%	0.629%
18	17.722	2500	2505	2509	rBV	20832	26499	1.25%	0.189%
19	18.075	2560	2565	2570	rBV	124121	168315	7.92%	1.203%
20	18.128	2570	2574	2580	rVB	157068	216668	10.20%	1.548%
21	18.275	2592	2599	2603	rBV2	156116	284040	13.37%	2.030%
22	18.310	2603	2605	2610	rVB	82210	95274	4.48%	0.681%
23	18.581	2645	2651	2656	rBV	99798	130366	6.14%	0.932%
24	18.822	2688	2692	2697	rVB2	26002	30047	1.41%	0.215%
25	18.875	2697	2701	2704	rBV	25877	27852	1.31%	0.199%
26	18.916	2704	2708	2716	rVB	18121	24391	1.15%	0.174%
27	18.992	2716	2721	2726	rBV	62648	90515	4.26%	0.647%
28	19.057	2726	2732	2735	rBV3	27288	59495	2.80%	0.425%
29	19.269	2761	2768	2774	rBV	1555430	2124517	100.00%	15.183%
30	19.322	2774	2777	2780	rVV	21240	22540	1.06%	0.161%
31	19.357	2780	2783	2786	rVV	20727	26395	1.24%	0.189%
32	19.392	2786	2789	2793	rVB	29640	31853	1.50%	0.228%
33	19.516	2803	2810	2817	rBV2	38422	72650	3.42%	0.519%
34	19.598	2817	2824	2826	rVV2	248246	386277	18.18%	2.761%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004295.D
Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

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	19.633	2826	2830	2836	rVV	926733	1244348	58.57%	8.893%
36	19.698	2836	2841	2846	rVV	77956	101840	4.79%	0.728%
37	19.810	2850	2860	2864	rVV	93062	152811	7.19%	1.092%
38	19.845	2864	2866	2872	rVB4	16902	26767	1.26%	0.191%
39	19.963	2878	2886	2891	rBV2	112771	199221	9.38%	1.424%
40	20.028	2891	2897	2901	rBV5	13879	26998	1.27%	0.193%
41	20.104	2901	2910	2911	rBV2	162379	263418	12.40%	1.883%
42	20.122	2911	2913	2918	rVB	162299	206406	9.72%	1.475%
43	20.222	2925	2930	2934	rBV	101801	136561	6.43%	0.976%
44	20.263	2934	2937	2944	rVV2	60657	131681	6.20%	0.941%
45	20.316	2944	2946	2950	rVB	41511	44180	2.08%	0.316%
46	20.380	2950	2957	2961	rVB4	115132	174057	8.19%	1.244%
47	20.433	2961	2966	2969	rBV2	37971	70667	3.33%	0.505%
48	20.469	2969	2972	2975	rVB2	32907	38774	1.83%	0.277%
49	20.533	2980	2983	2988	rVV3	37660	57315	2.70%	0.410%
50	20.580	2989	2991	2997	rVB6	11960	21813	1.03%	0.156%
51	20.698	3008	3011	3016	rVB3	75592	106216	5.00%	0.759%
52	20.751	3016	3020	3024	rVB3	22096	33196	1.56%	0.237%
53	20.839	3030	3035	3038	rBV4	59178	83725	3.94%	0.598%
54	20.904	3044	3046	3053	rVB5	23632	32629	1.54%	0.233%
55	21.039	3065	3069	3072	rBV	99642	123670	5.82%	0.884%
56	21.075	3072	3075	3079	rVV	146959	185380	8.73%	1.325%
57	21.116	3079	3082	3086	rVV	131342	150885	7.10%	1.078%
58	21.163	3086	3090	3099	rVB2	38339	70149	3.30%	0.501%
59	21.280	3105	3110	3115	rBV	32720	47501	2.24%	0.339%
60	21.433	3133	3136	3141	rVB	683935	815516	38.39%	5.828%
61	21.510	3145	3149	3153	rVB2	20678	27012	1.27%	0.193%
62	21.722	3181	3185	3189	rBV2	54000	73933	3.48%	0.528%
63	21.851	3203	3207	3211	rBV2	26100	33211	1.56%	0.237%
64	21.892	3211	3214	3217	rBV	17355	24465	1.15%	0.175%
65	21.951	3218	3224	3228	rVV	79103	128594	6.05%	0.919%
66	22.004	3229	3233	3238	rVB	61400	93372	4.39%	0.667%
67	22.074	3240	3245	3249	rBV2	41654	72625	3.42%	0.519%
68	22.157	3255	3259	3271	rVB3	50935	136745	6.44%	0.977%
69	22.257	3272	3276	3282	rVB	31043	48687	2.29%	0.348%
70	22.422	3299	3304	3308	rBV4	22063	32944	1.55%	0.235%
71	22.933	3387	3391	3396	rBV	15005	22350	1.05%	0.160%

LSC Area Percent Report

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Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

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	23.016	3398	3405	3410	rBV	272515	633236	29.81%	4.525%
73	23.121	3420	3423	3430	rVB	19471	35384	1.67%	0.253%
74	23.192	3430	3435	3439	rBV	20793	34321	1.62%	0.245%
75	23.321	3453	3457	3468	rVB3	18952	43251	2.04%	0.309%
76	23.510	3484	3489	3499	rVB2	101944	189107	8.90%	1.351%
77	23.716	3517	3524	3531	rBV	268755	507976	23.91%	3.630%
78	24.180	3598	3603	3615	rVB5	15513	40363	1.90%	0.288%

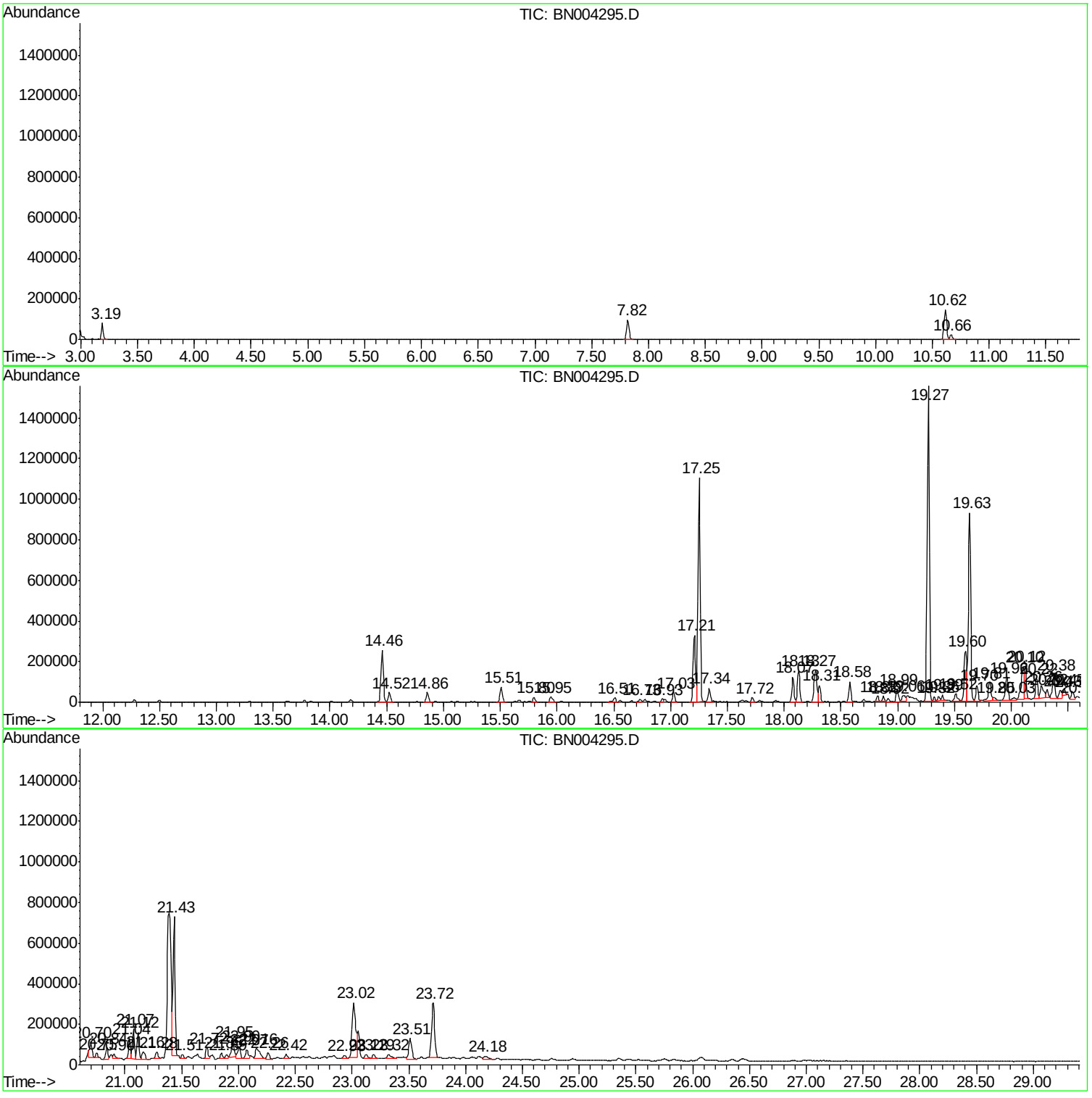
Sum of corrected areas: 13992915

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004295.D
Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A41W5

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 : BN004295.D
Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

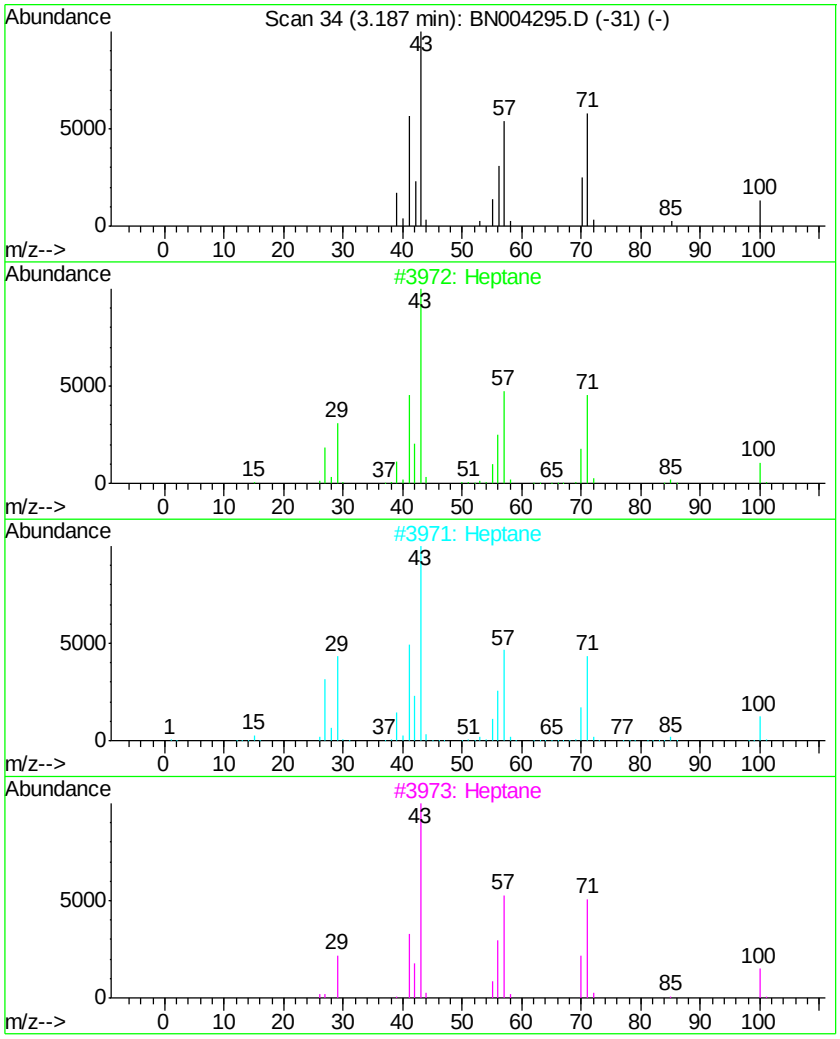
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

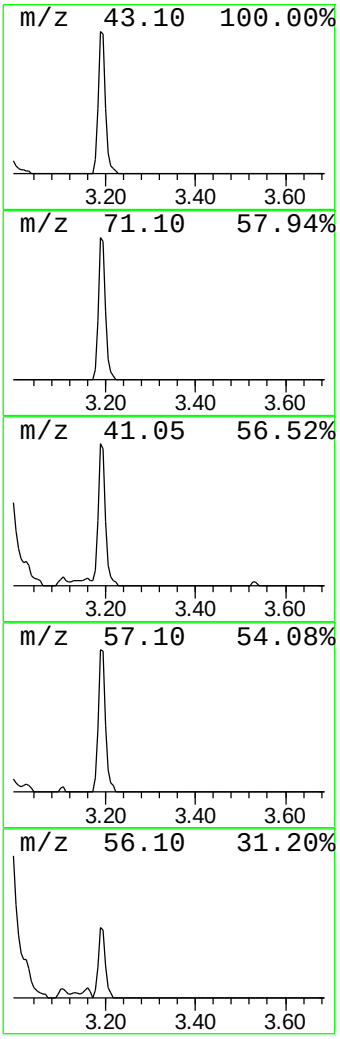
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	12.25 ng/ul	90563	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	94
3	Heptane	100	C7H16	000142-82-5	91
4	Heptane	100	C7H16	000142-82-5	87
5	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004295.D
Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

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

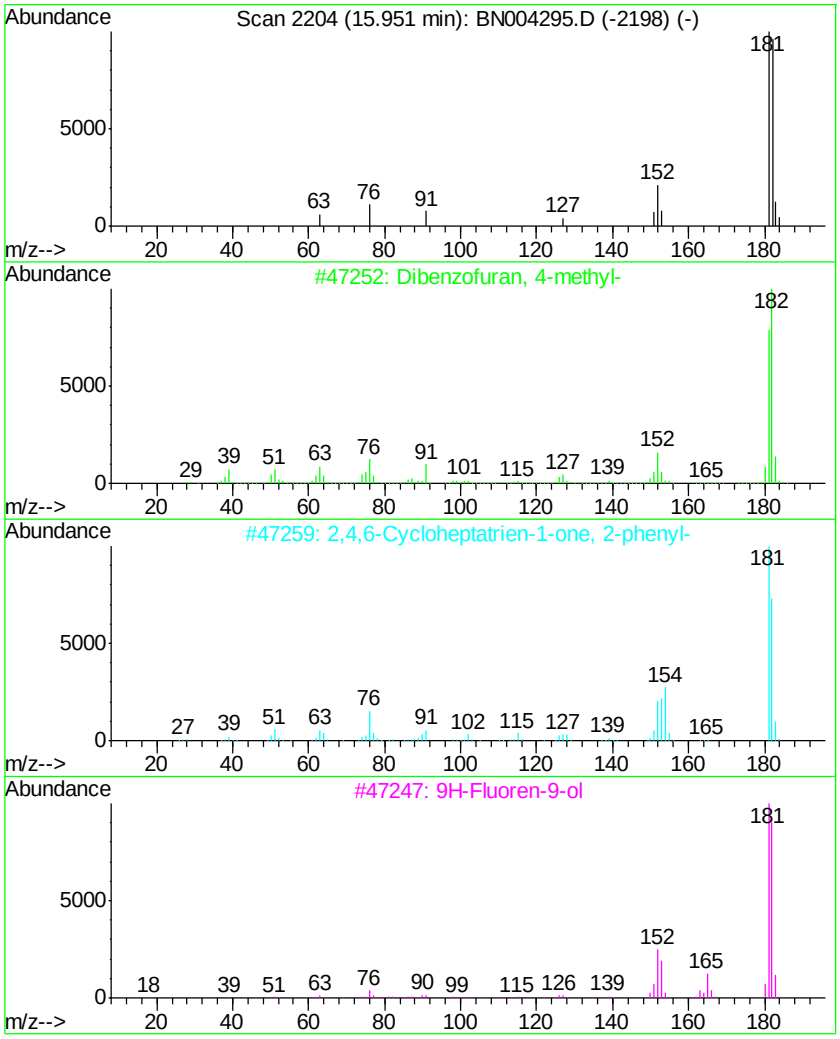
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

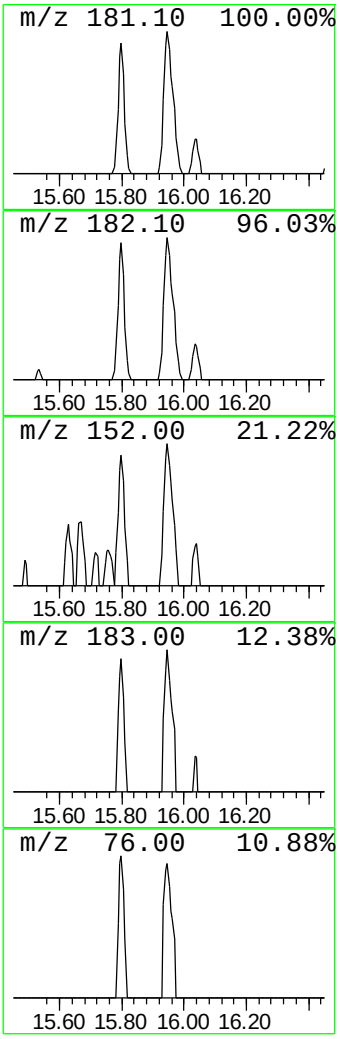
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	2.01 ng/ul	49506	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004295.D
Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

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

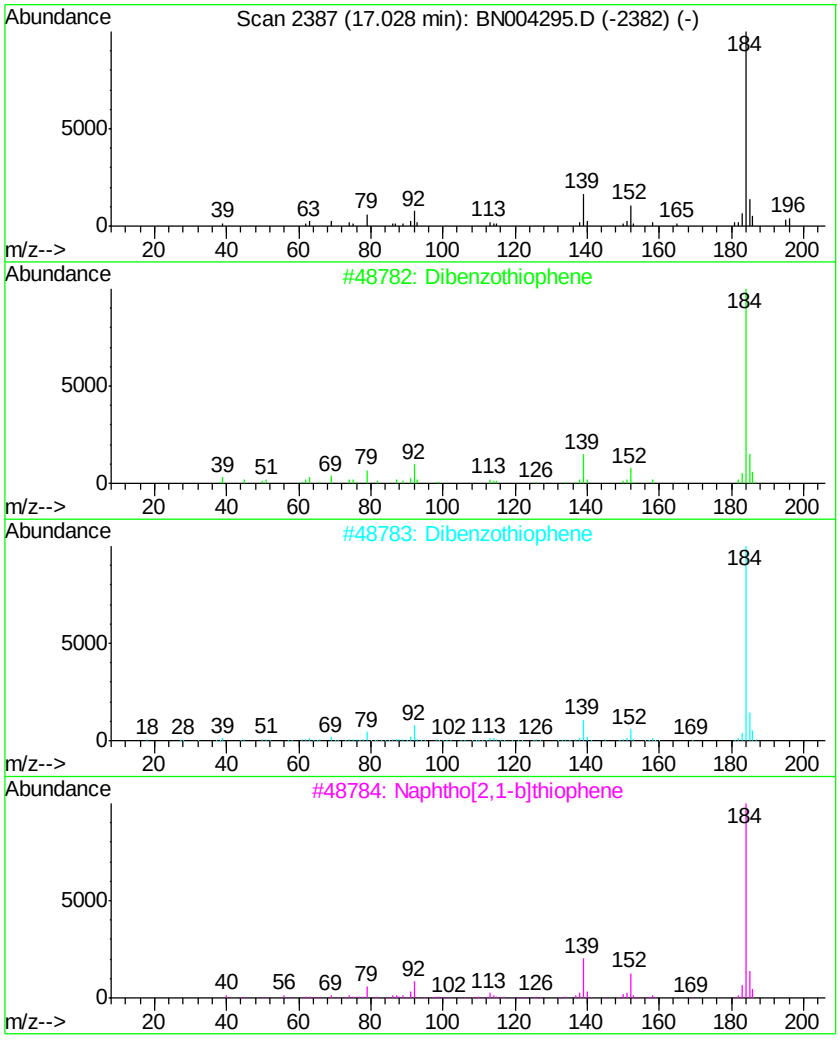
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

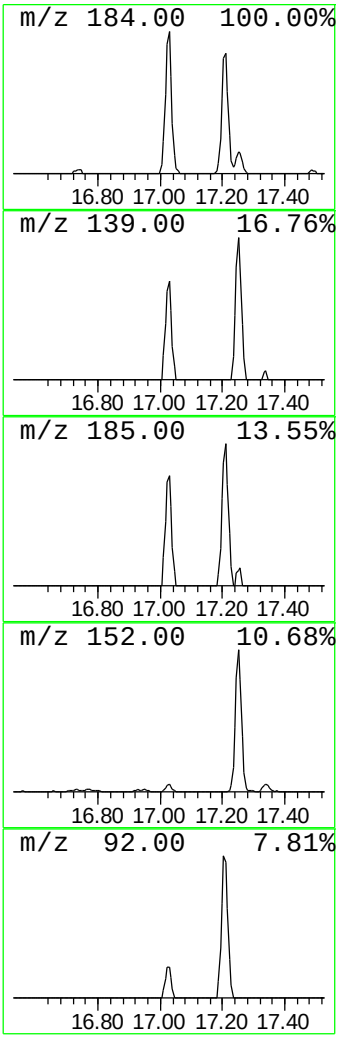
****

Peak Number 3 Dibenzothiophene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	2.64 ng/ul	65148	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004295.D
Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

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

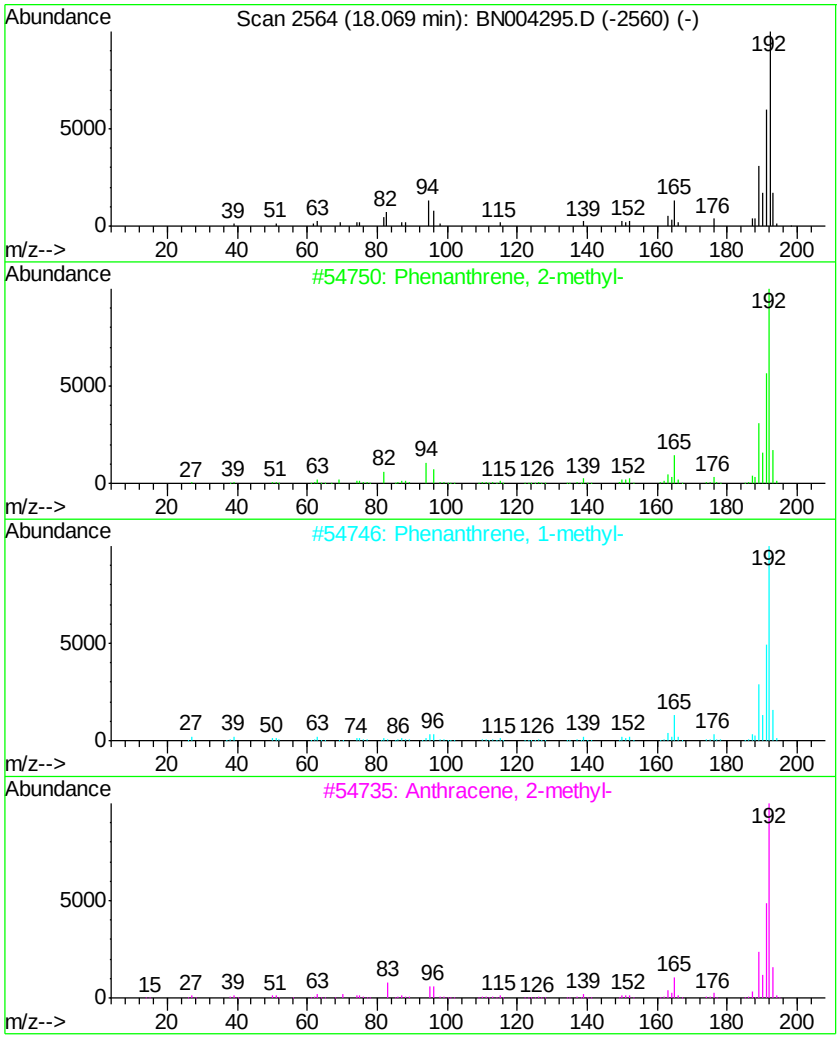
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

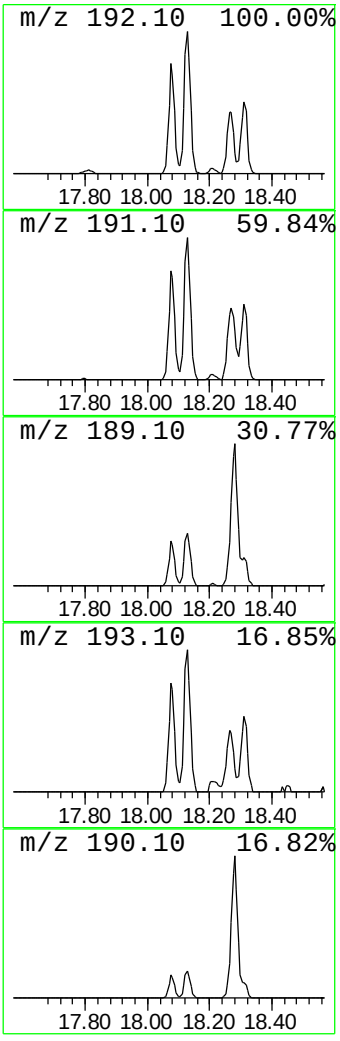
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	6.83 ng/ul	168315	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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004295.D
Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

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

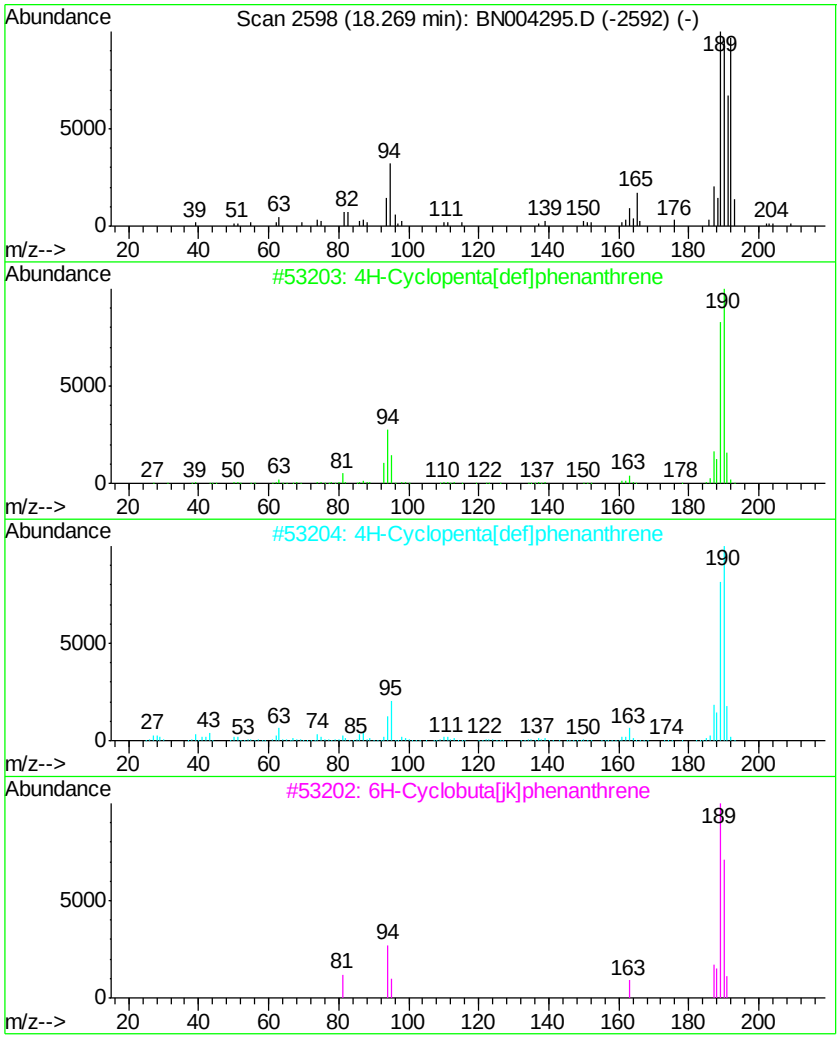
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

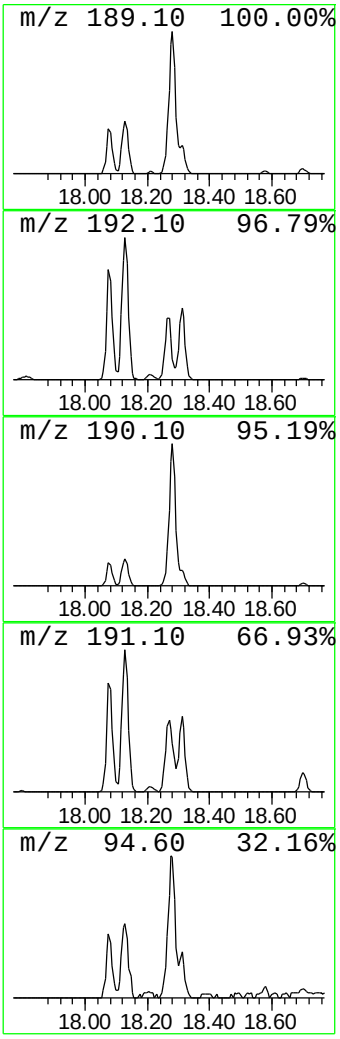
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	11.53 ng/ul	284040	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	47
5	Methyl diselenide	190	C2H6Se2	007101-31-7	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004295.D
Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

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

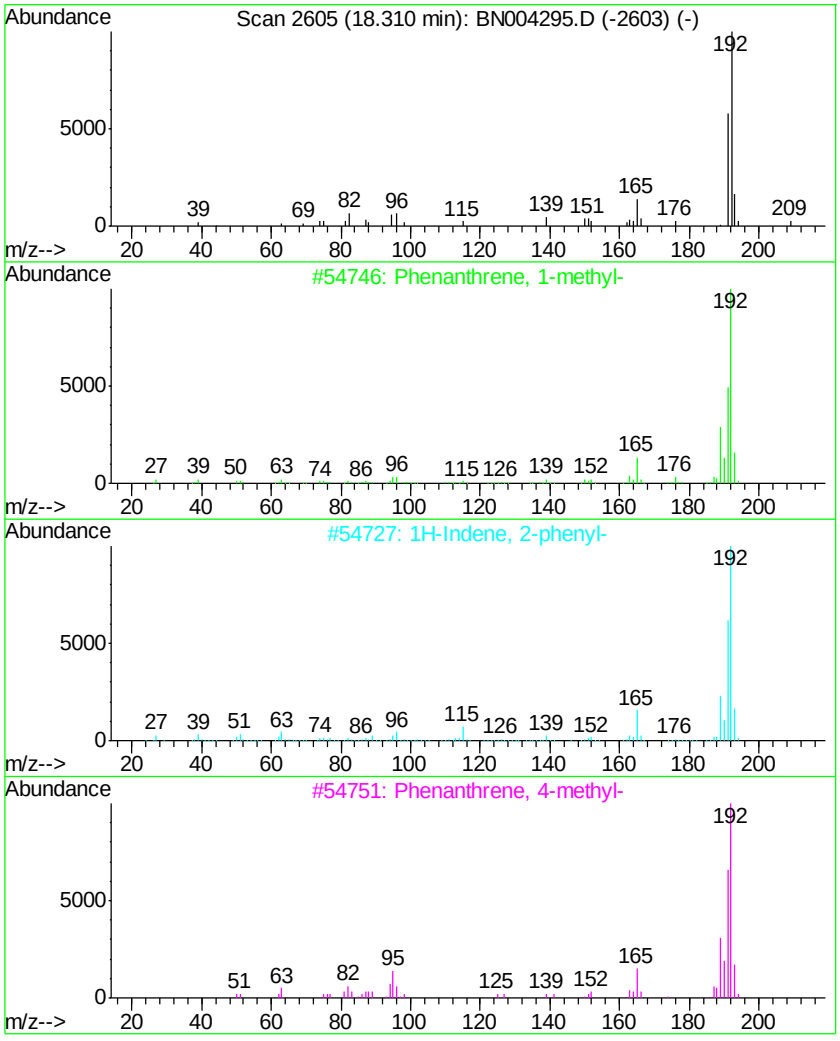
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

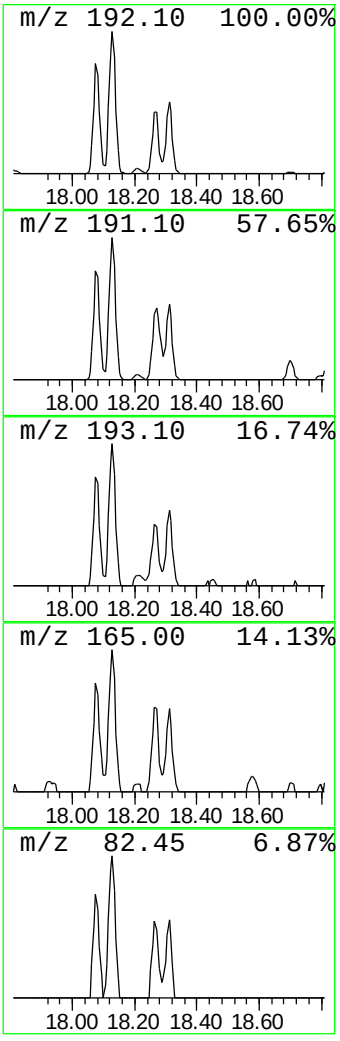
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	3.87 ng/ul	95274	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90





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Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

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Quant Title : SVOA CALIBRATION

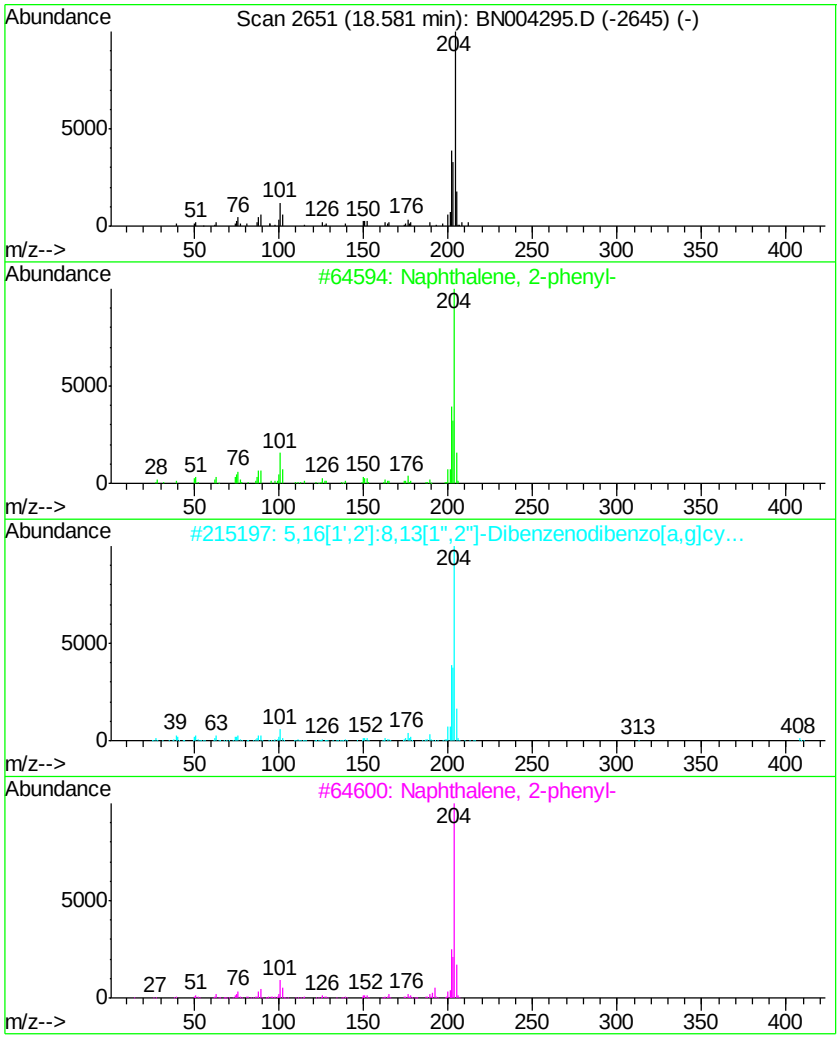
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

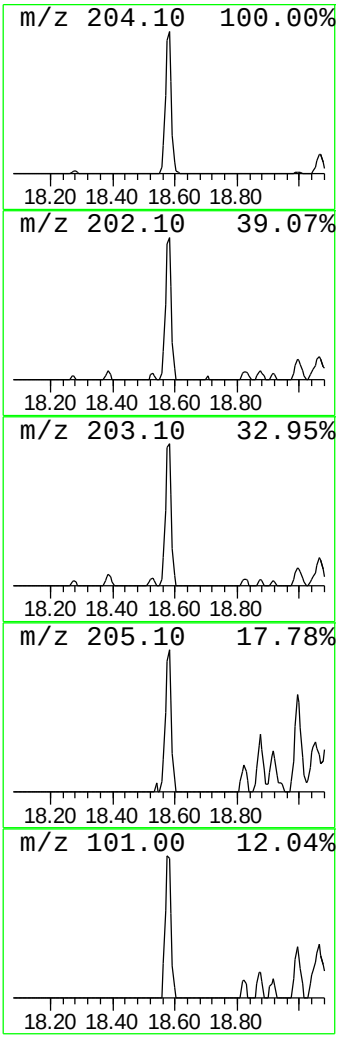
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	5.29 ng/ul	130366	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86





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Quant Title : SVOA CALIBRATION

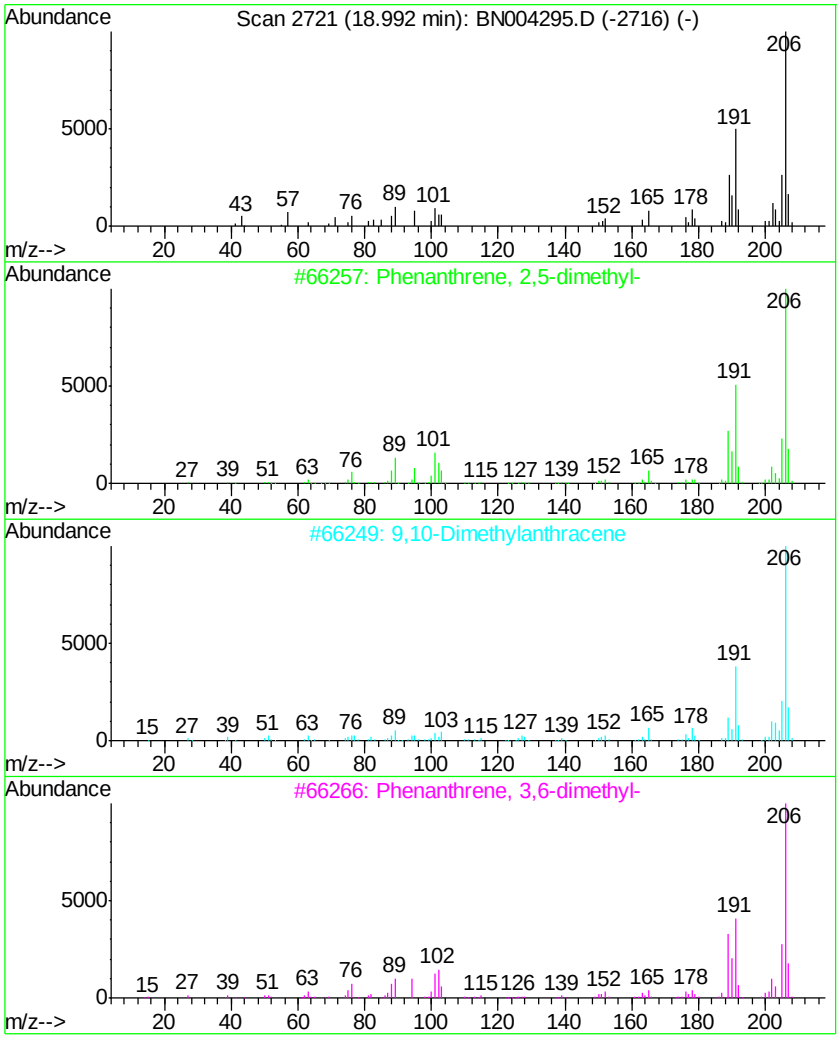
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

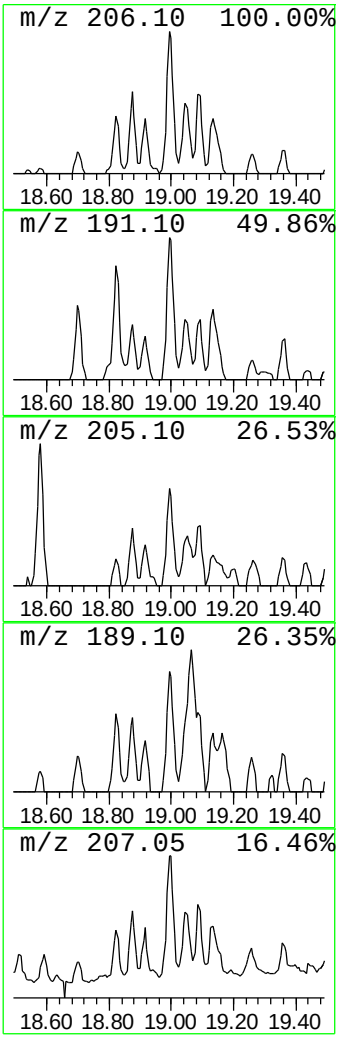
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	3.67 ng/ul	90515	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Quant Title : SVOA CALIBRATION

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

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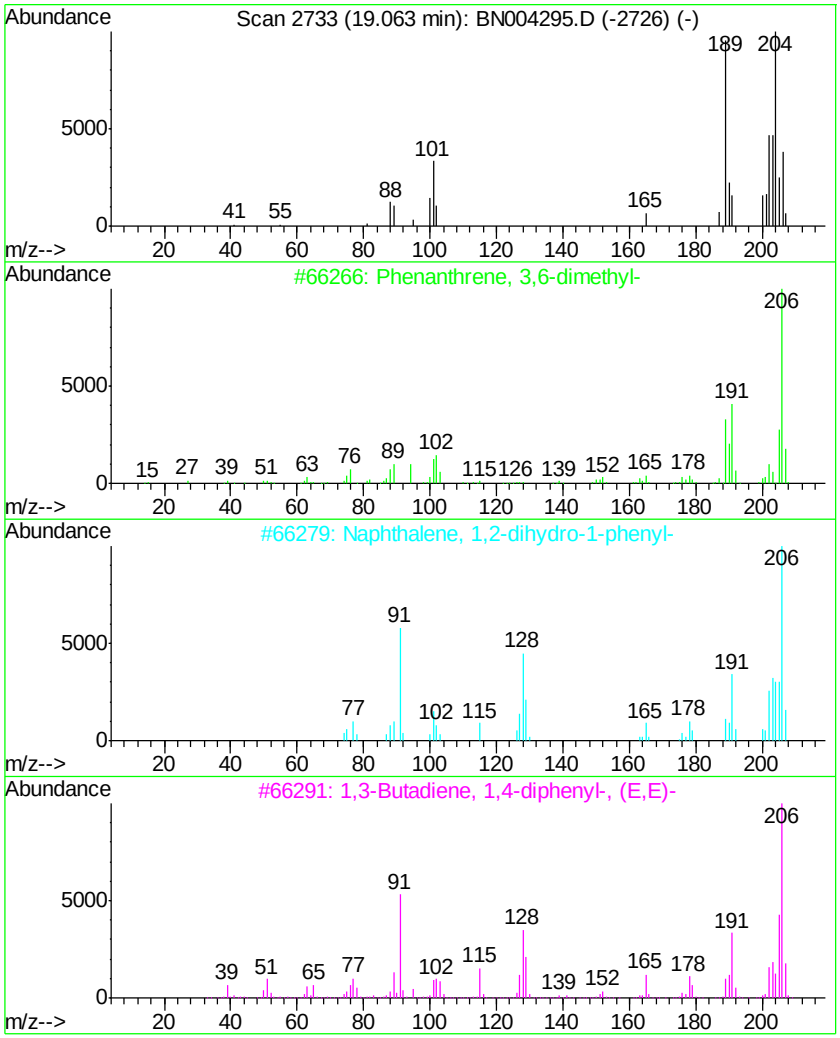
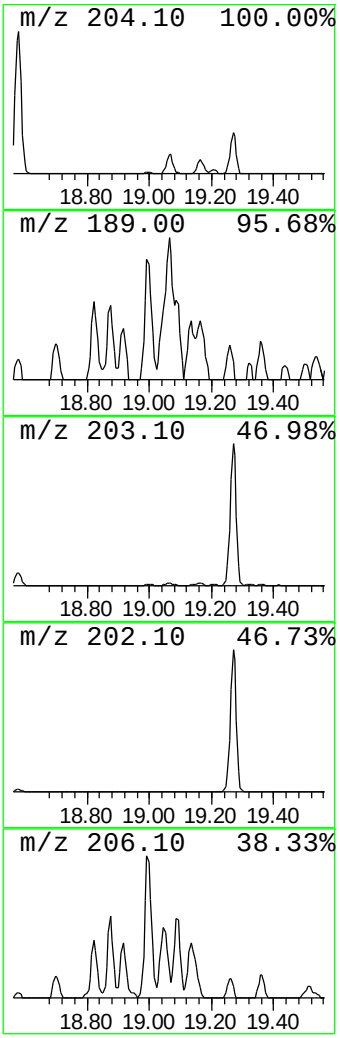
Peak Number 10 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	2.42 ng/ul	59495	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	42
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	42
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	42
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38





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ALS Vial : 31 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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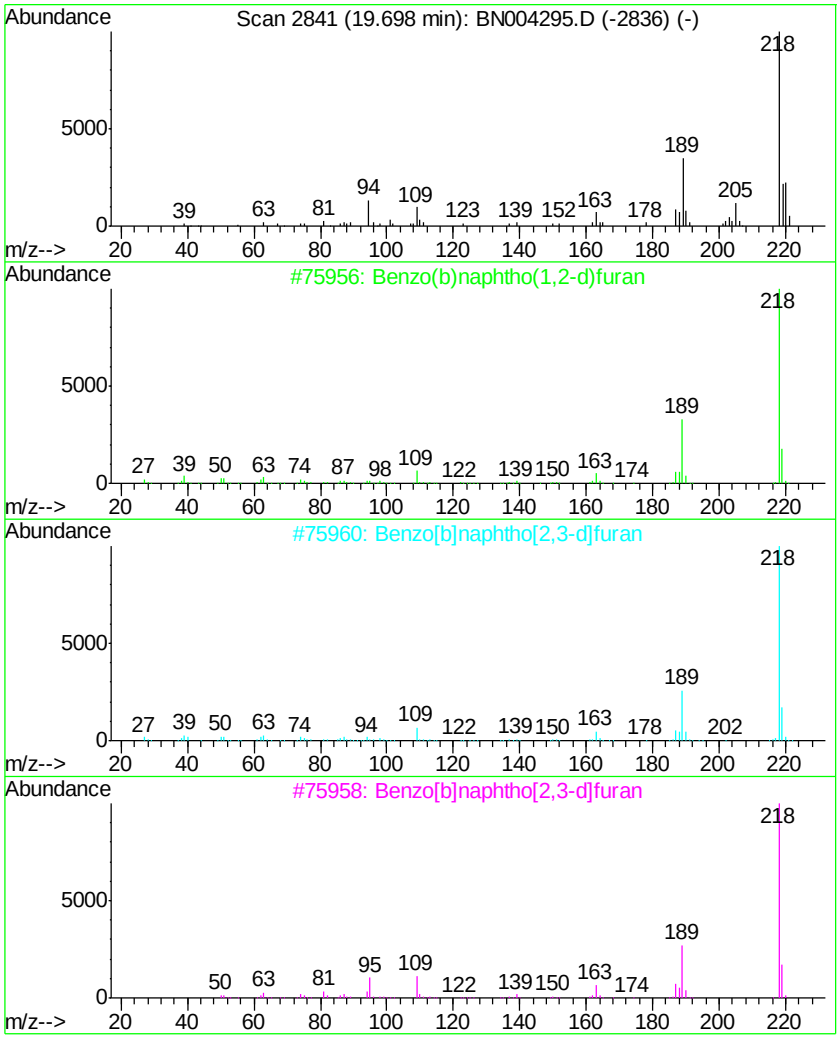
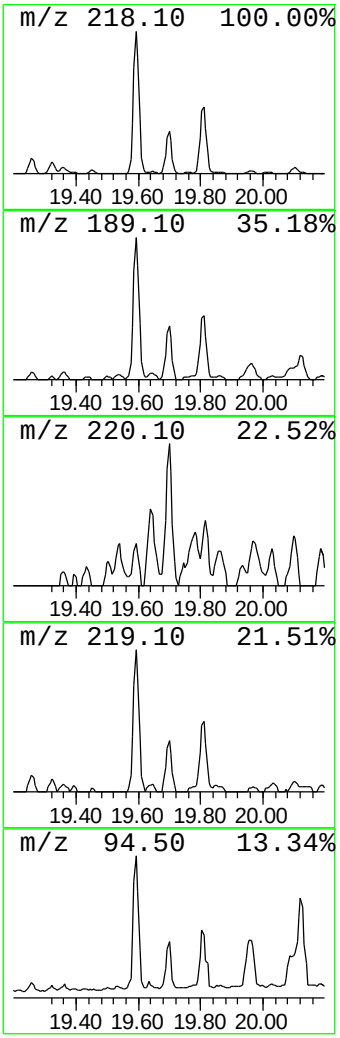
Peak Number 11 Benzo(b)naphtho(1,2-d)furan Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	2.50 ng/ul	101840	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	94
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	92





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ALS Vial : 31 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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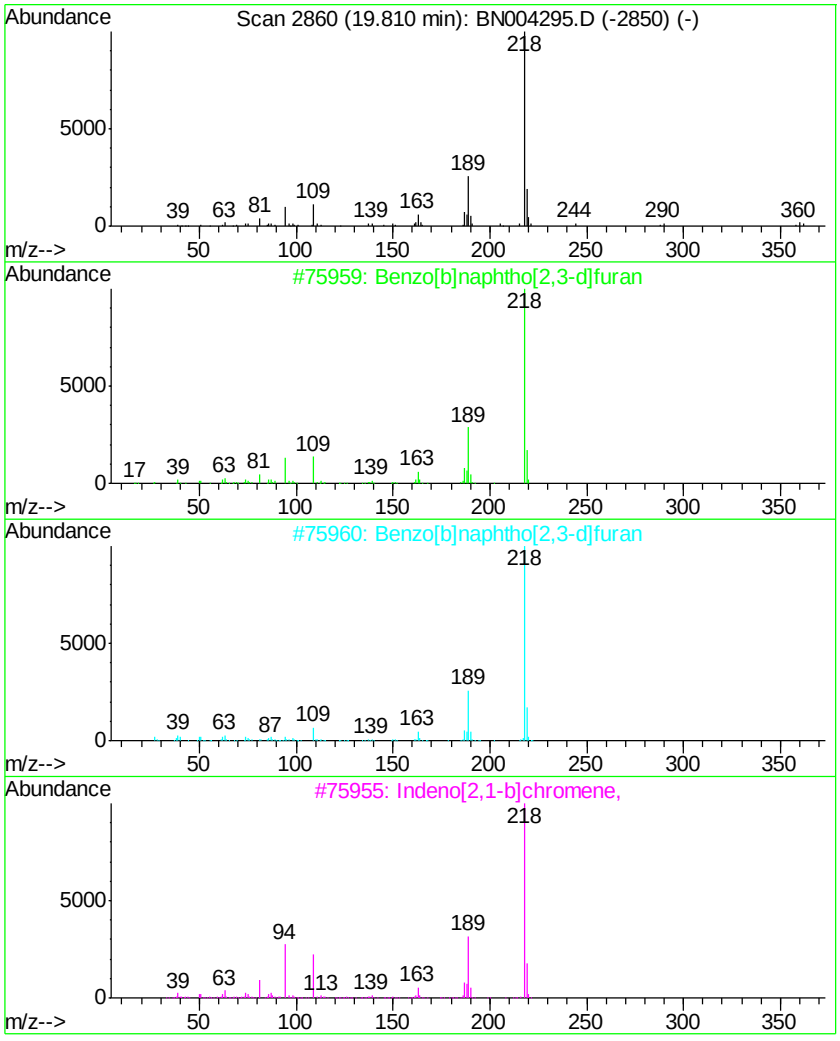
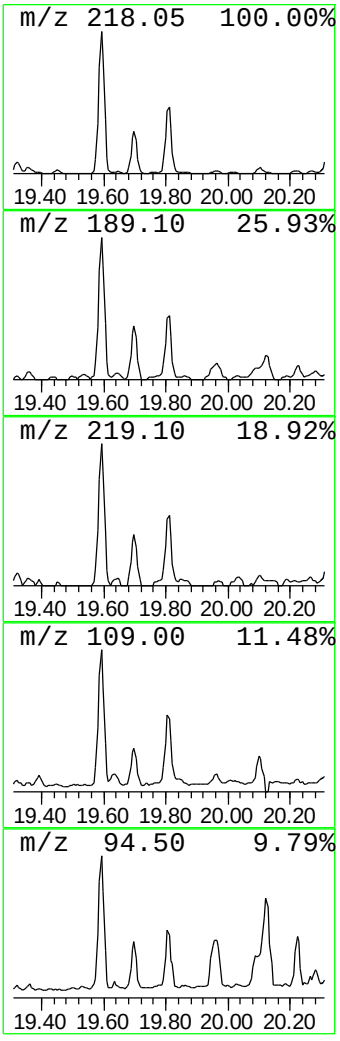
Peak Number 12 Benzo[b]naphtho[2,3-d]furan Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	3.75 ng/ul	152811	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	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
3	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	93
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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Quant Title : SVOA CALIBRATION

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

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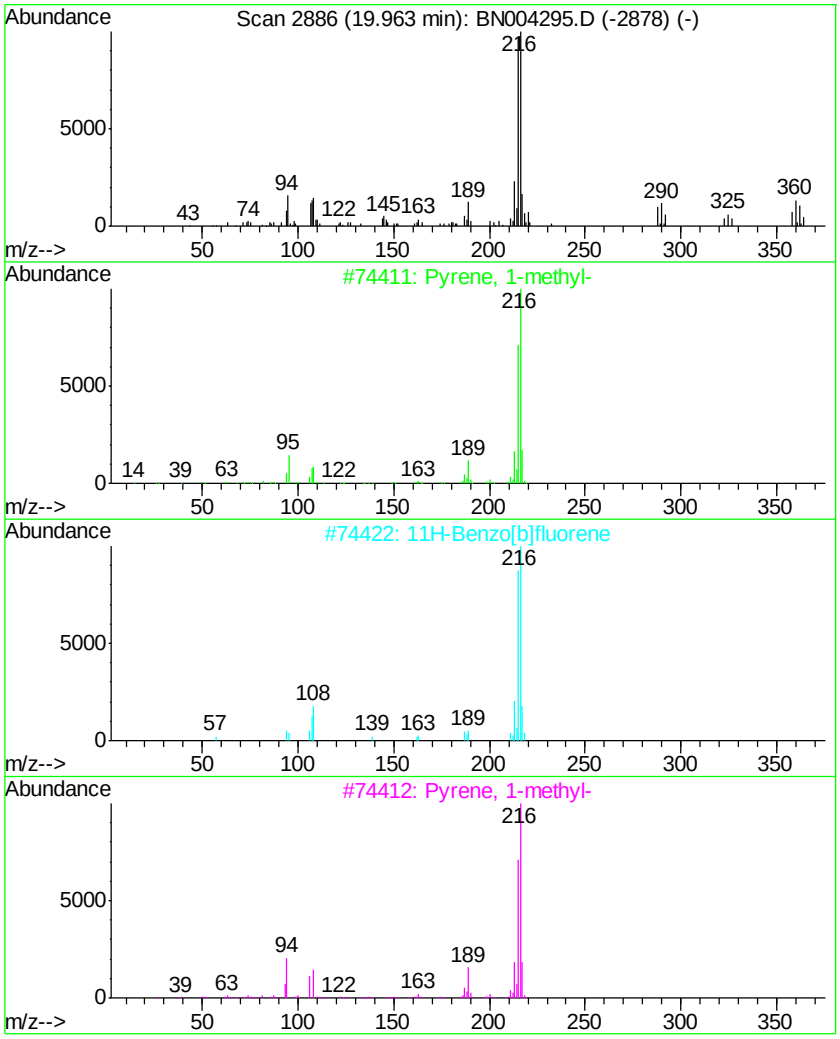
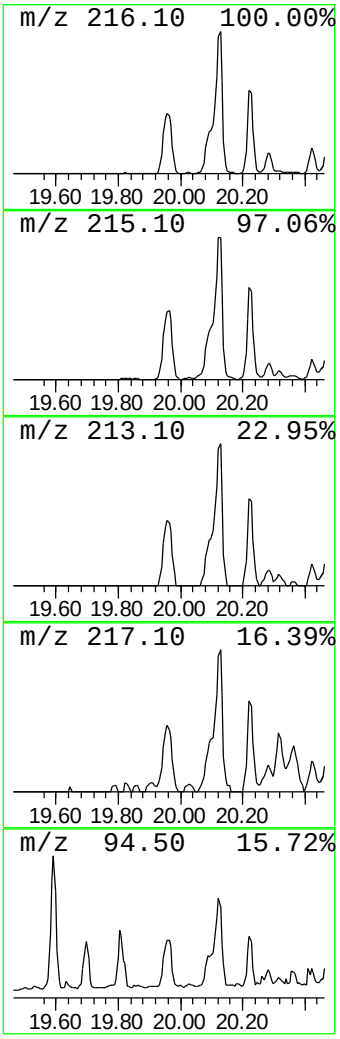
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	4.89 ng/ul	199221	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	92
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64





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Quant Title : SVOA CALIBRATION

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

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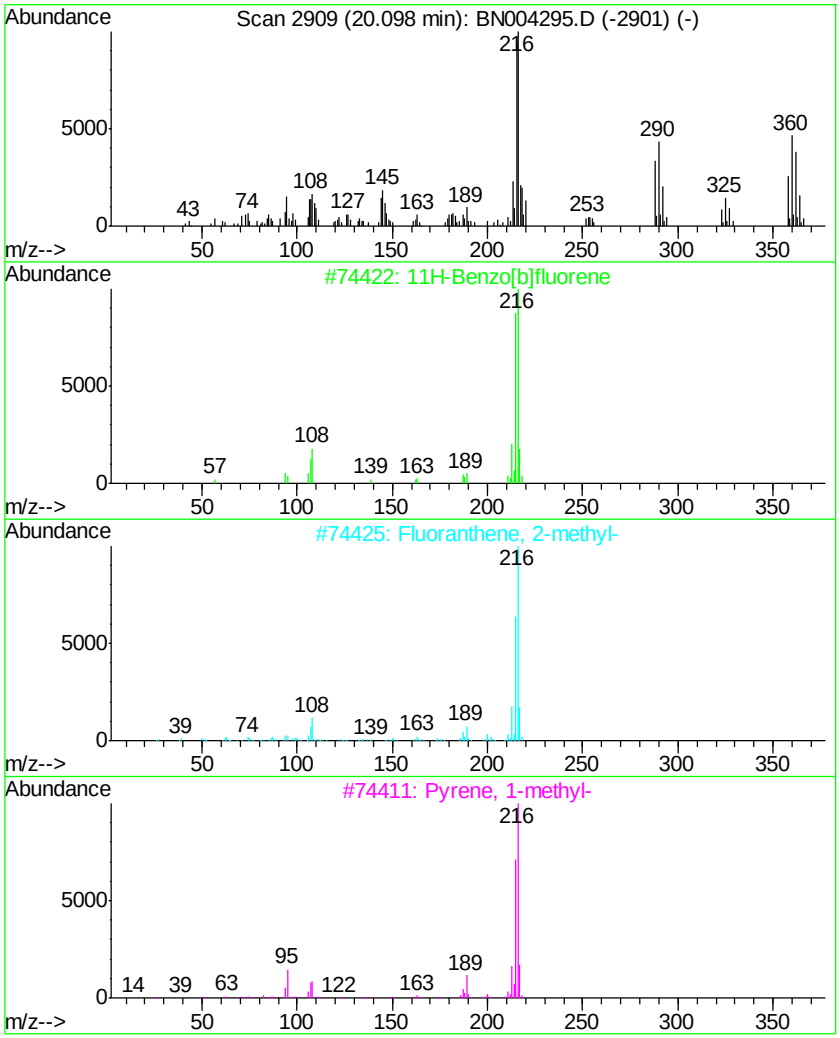
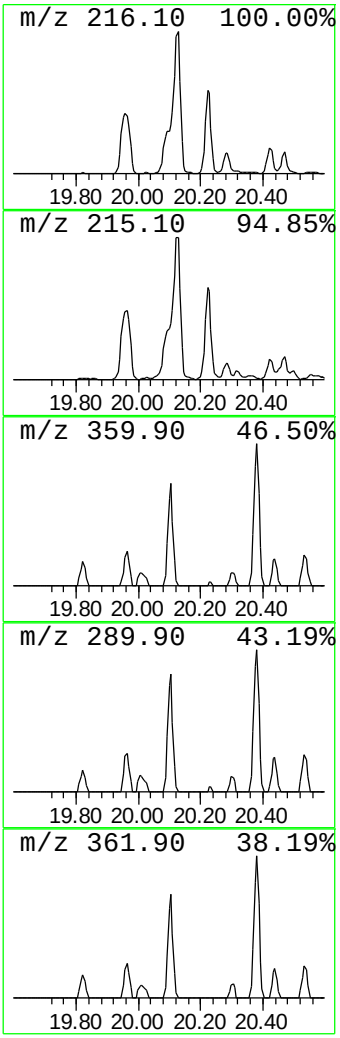
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	6.46 ng/ul	263418	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	66
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	53
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	46





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Quant Title : SVOA CALIBRATION

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

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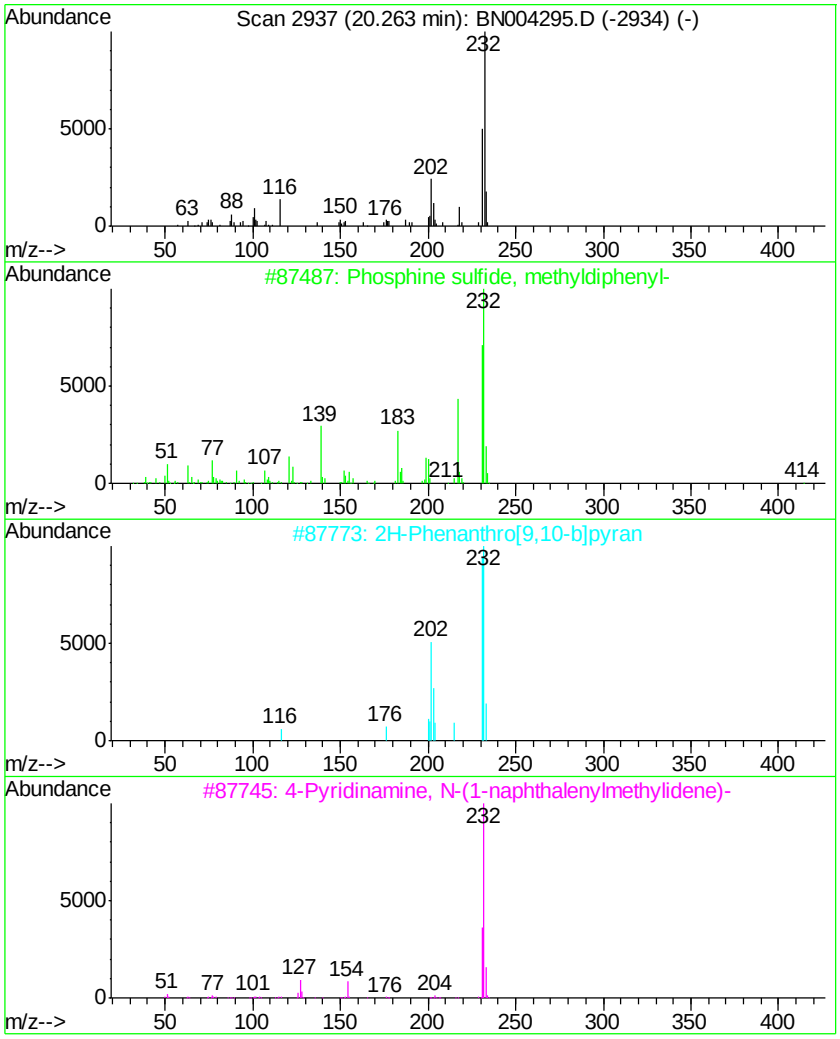
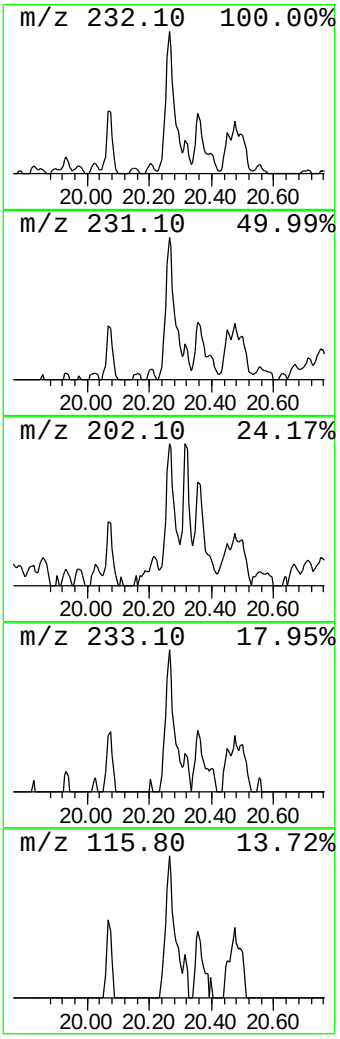
Peak Number 17 Phosphine sulfide, methyldi... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	3.23 ng/ul	131681	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphine sulfide, methyldiphenyl-	232	C13H13PS	013639-74-2	53
2	2H-Phenanthro[9,10-b]pyran	232	C17H12O	000217-67-4	50
3	4-Pyridinamine, N-(1-naphthaleny...	232	C16H12N2	1000317-32-7	50
4	1-Pyrenemethanol	232	C17H12O	024463-15-8	50
5	Azulene, 4,8-dimethyl-6-phenyl-	232	C18H16	042758-88-3	50





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Quant Title : SVOA CALIBRATION

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

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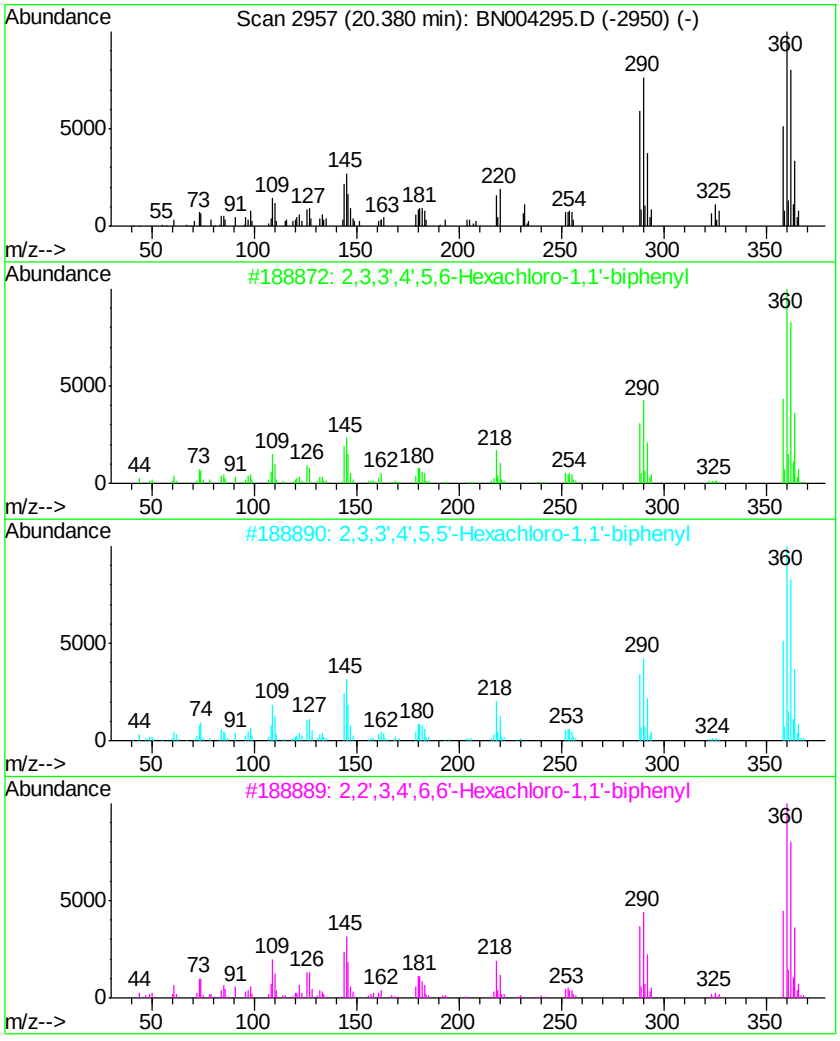
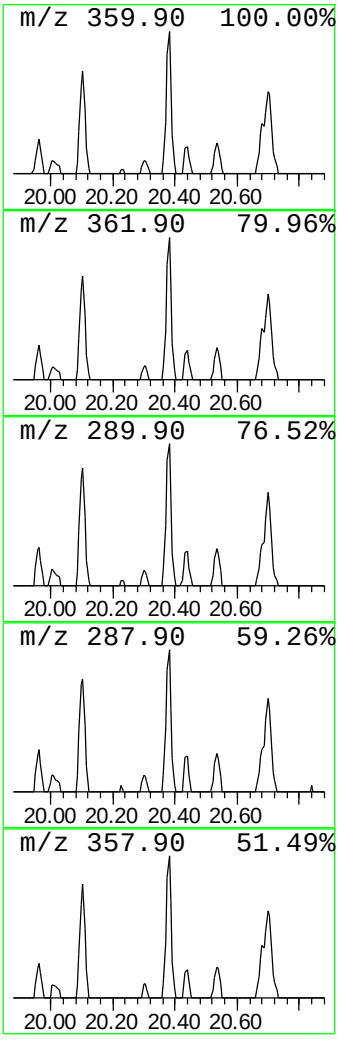
Peak Number 18 2,3,3',4',5,6-Hexachloro-1,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.38	4.27 ng/ul	174057	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-44-9	99
2	2,3,3',4',5,5'-Hexachloro-1,1'-b...	358	C12H4Cl6	039635-34-2	99
3	2,2',3,4',6,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	068194-08-1	99
4	2,2',3,5,6,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-09-2	99
5	2,3,3',4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-43-8	99





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Quant Title : SVOA CALIBRATION

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

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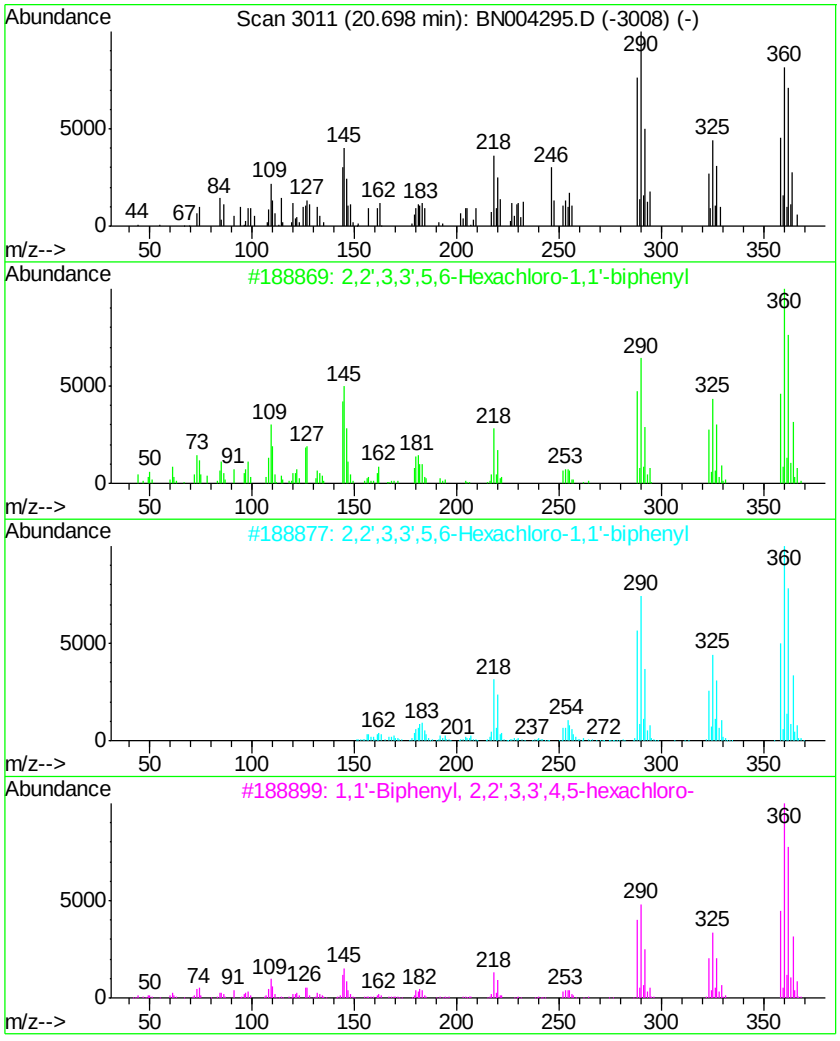
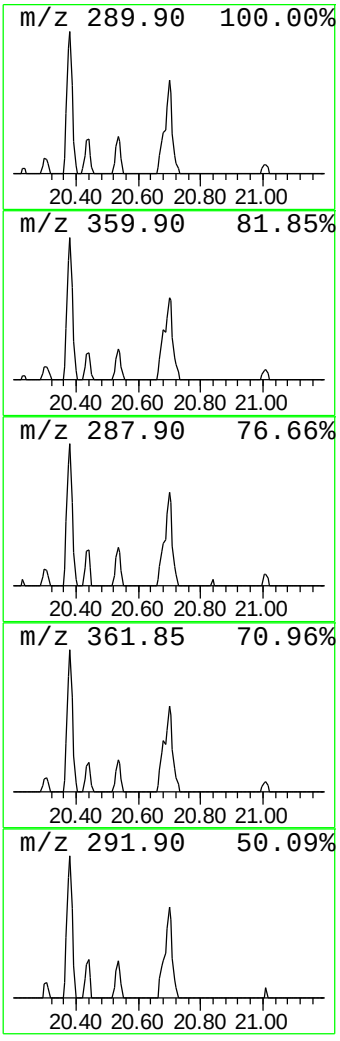
Peak Number 19 2,2',3,3',5,6-Hexachloro-1,... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.70	2.60 ng/ul	106216	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	052704-70-8	99
2	2,2',3,3',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	052704-70-8	99
3	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
4	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
5	1,1'-Biphenyl, 2,2',3,5,5',6-hex...	358	C12H4Cl6	052663-63-5	99





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Quant Title : SVOA CALIBRATION

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

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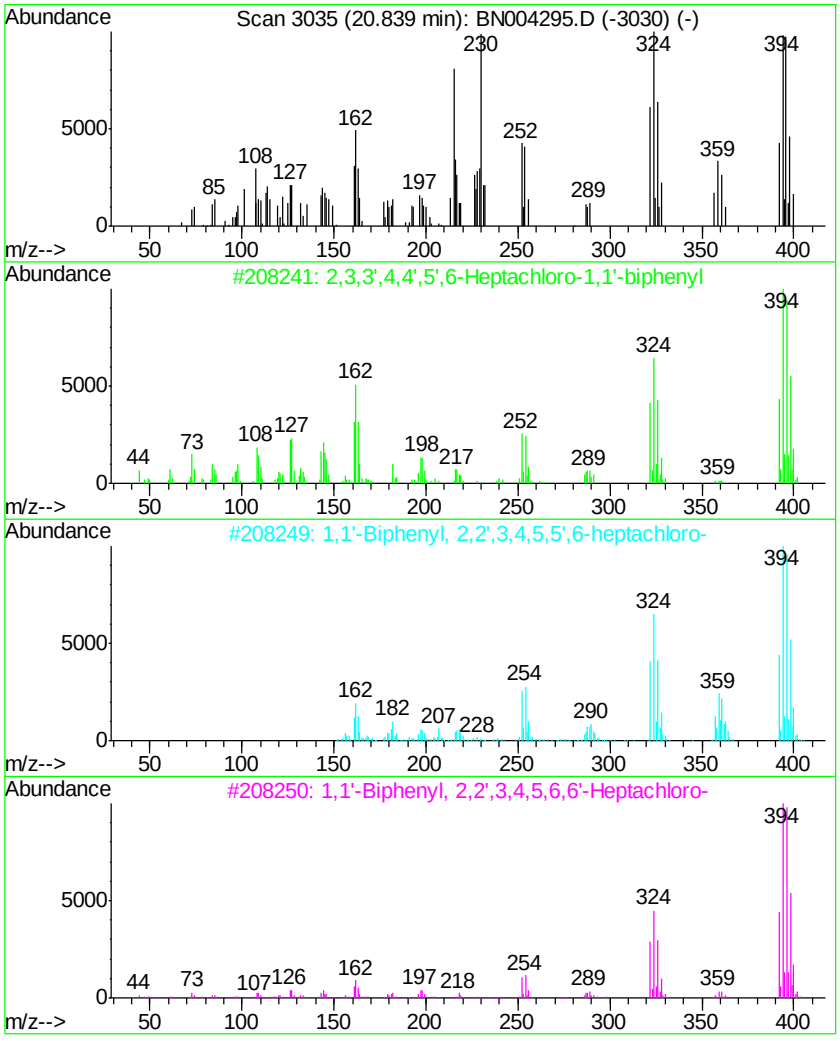
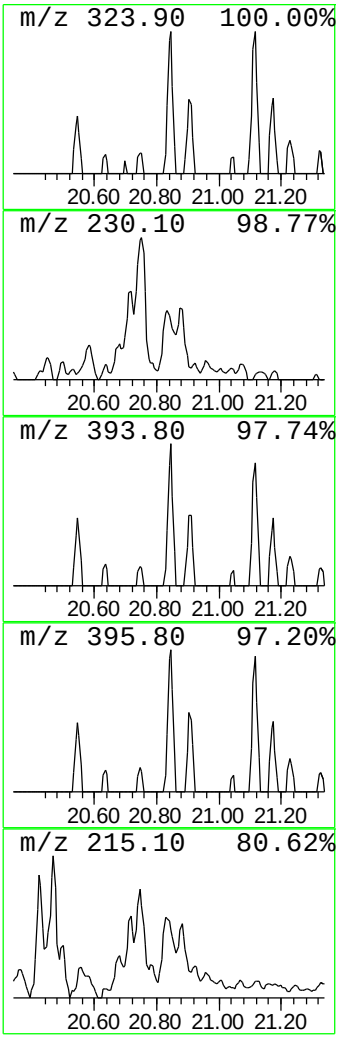
Peak Number 20 2,3,3',4,4',5',6-Heptachlor... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	2.05 ng/ul	83725	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4,4',5',6-Heptachloro-1,1...	392	C12H3Cl7	074472-50-7	99
2	1,1'-Biphenyl, 2,2',3,4,5,5',6-h...	392	C12H3Cl7	052712-05-7	99
3	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99
4	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99
5	2,2',3,4,4',6,6'-Heptachloro-1,1...	392	C12H3Cl7	074472-48-3	99





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Data File : BN004295.D
Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

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Quant Title : SVOA CALIBRATION

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

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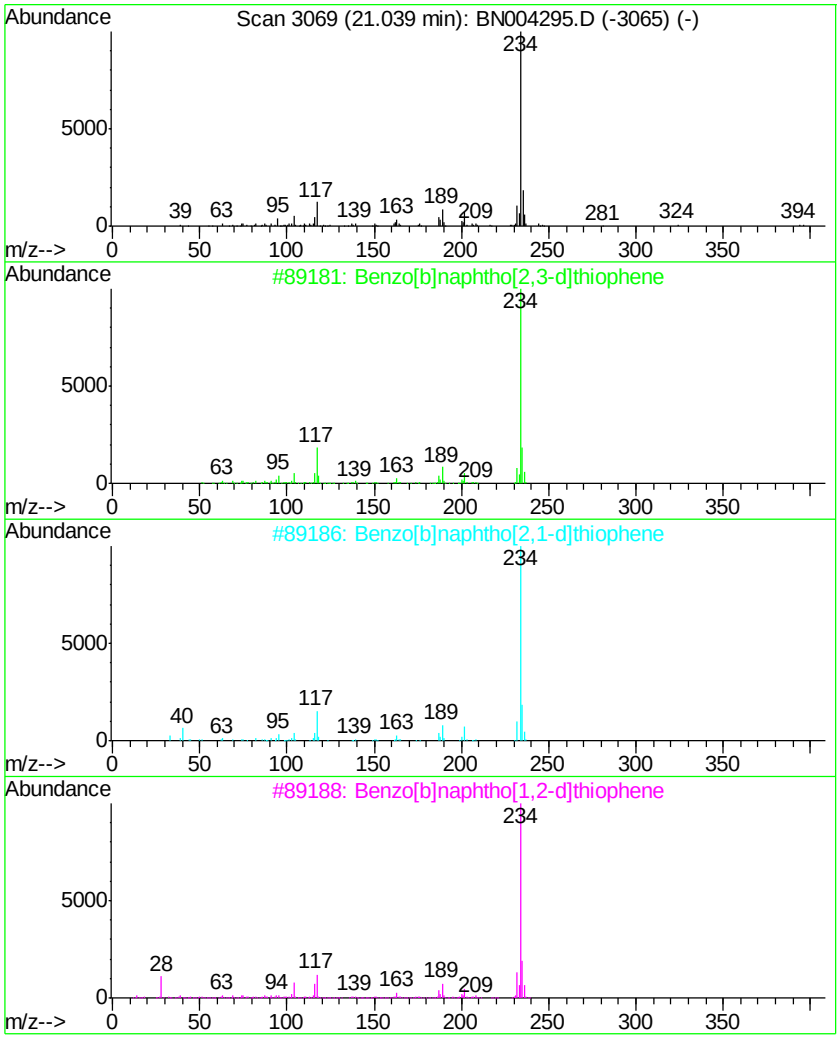
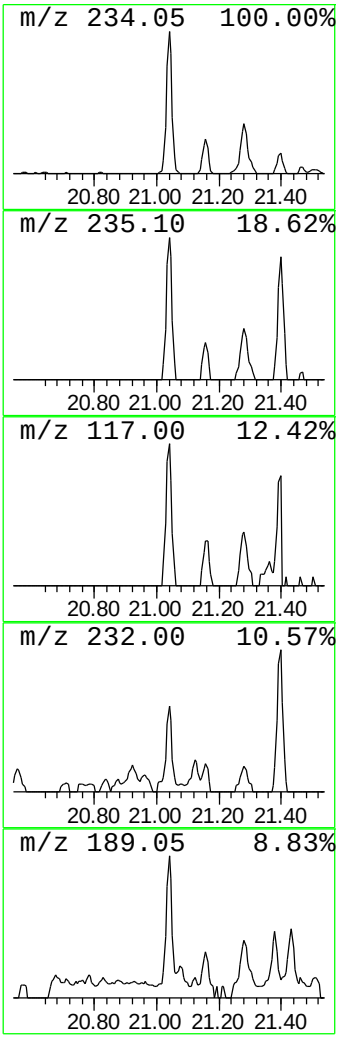
Peak Number 21 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.04	3.03 ng/ul	123670	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	98
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	96
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	94
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94





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Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

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Quant Title : SVOA CALIBRATION

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

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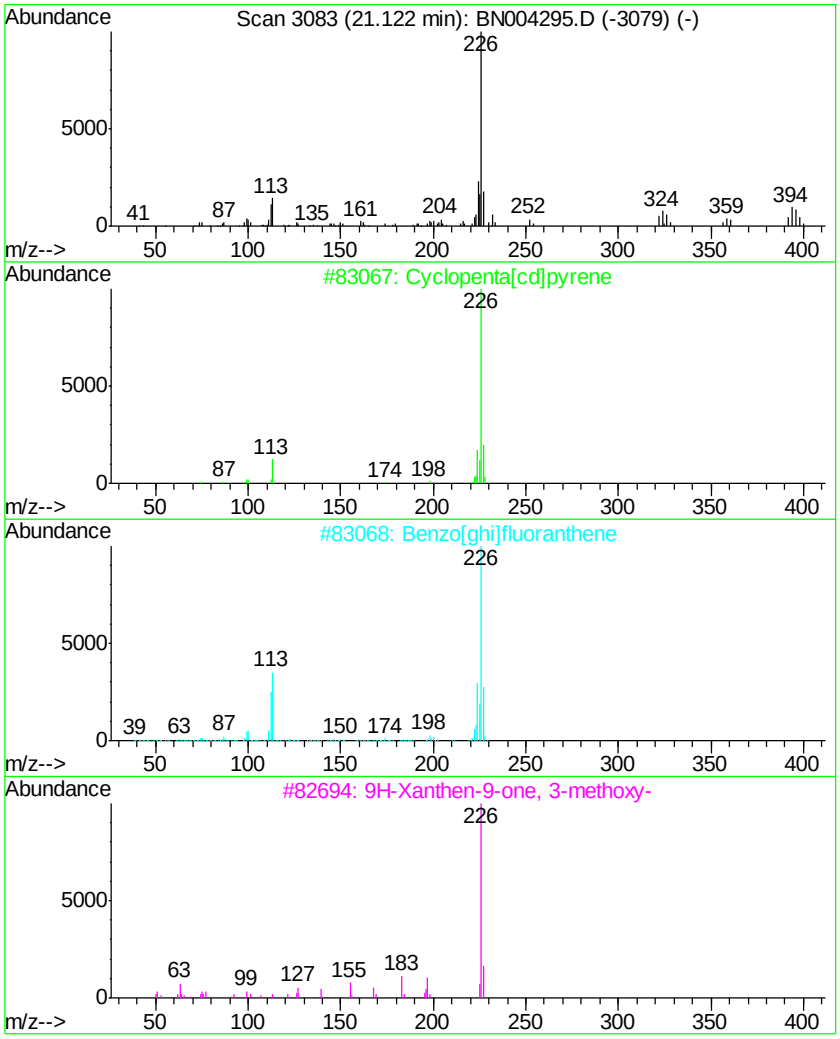
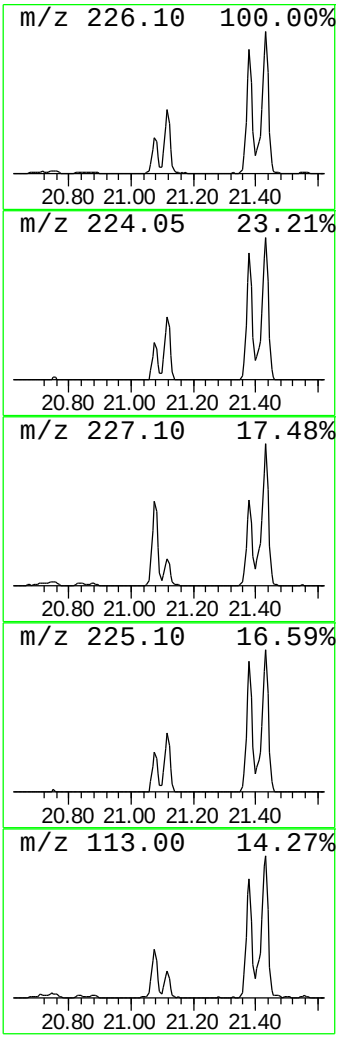
Peak Number 23 Cyclopenta[cd]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.12	3.70 ng/ul	150885	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	50
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	38
5	Spiro(2-t-butyl-6-phenyl-1,3-dio...	312	C20H24O3	1000191-40-7	32





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Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

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Quant Title : SVOA CALIBRATION

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

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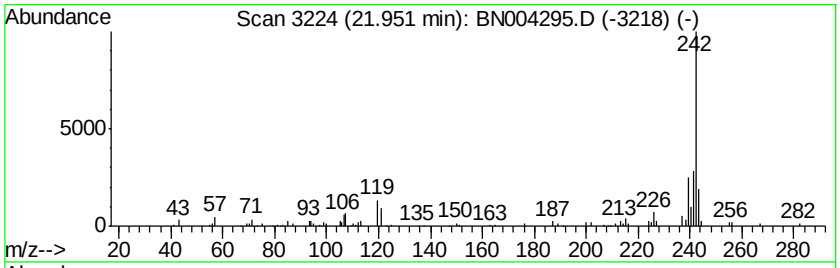
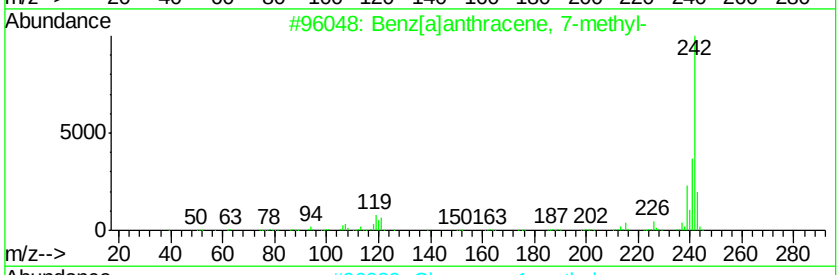
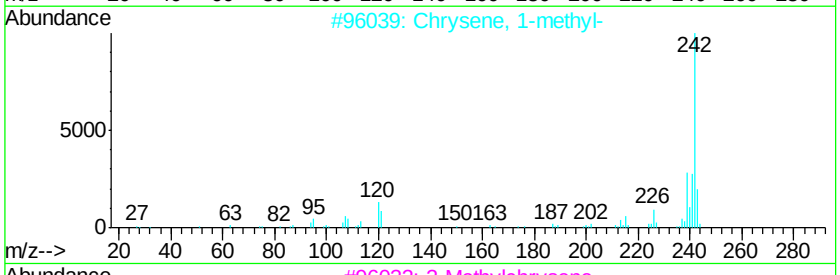
Peak Number 24 Benz[a]anthracene, 7-methyl- Concentration Rank 19

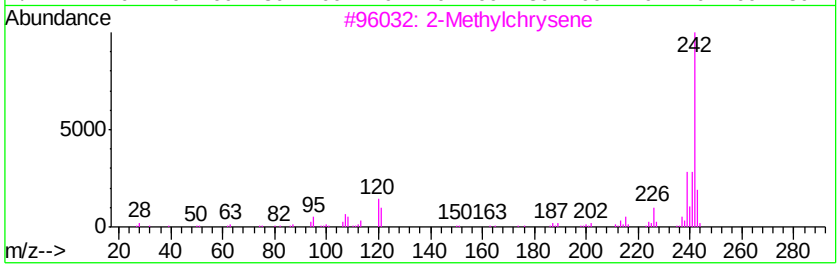
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.95	3.15 ng/ul	128594	Chrysene-d12	21.40

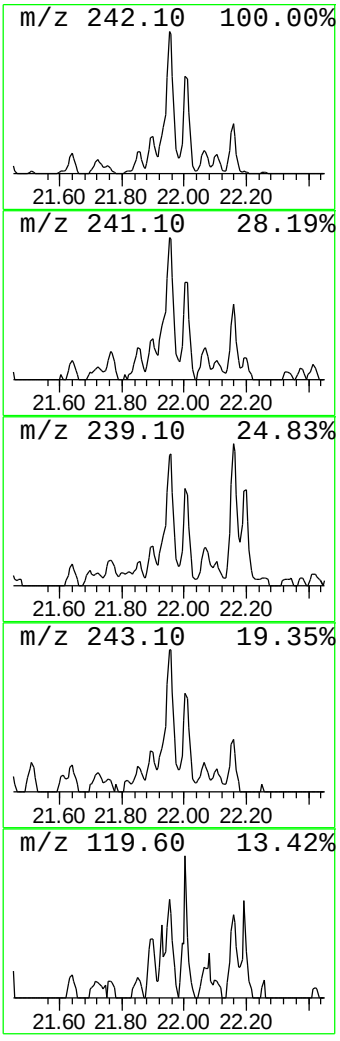
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	94
3	2-Methylchrysene	242	C19H14	003351-32-4	94
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93











Library Search Compound Report

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Data File : BN004295.D
Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

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

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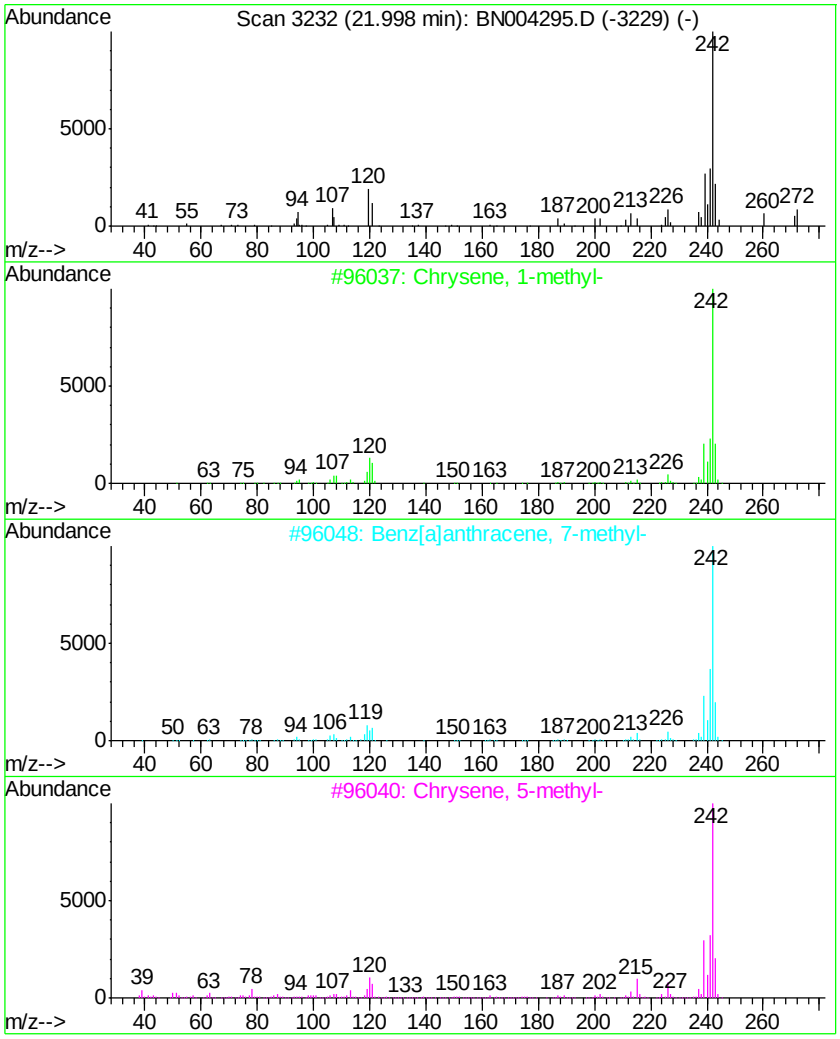
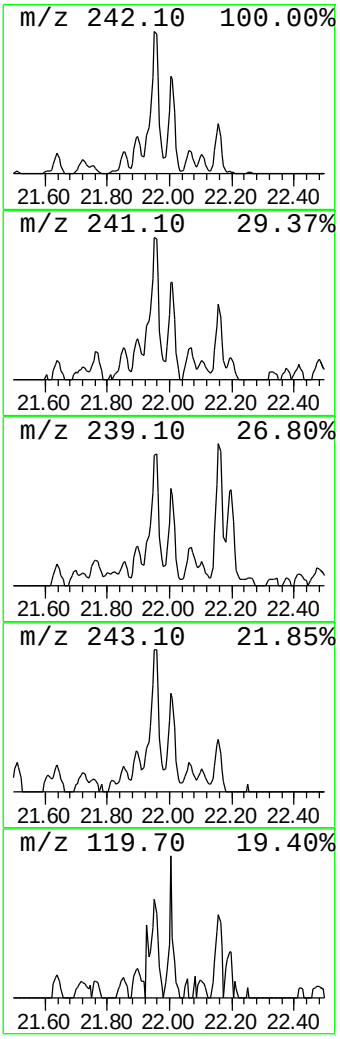
Peak Number 25 Chrysene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.00	2.29 ng/ul	93372	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	94
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
3	Chrysene, 5-methyl-	242	C19H14	003697-24-3	86
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	86
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004295.D
Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

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

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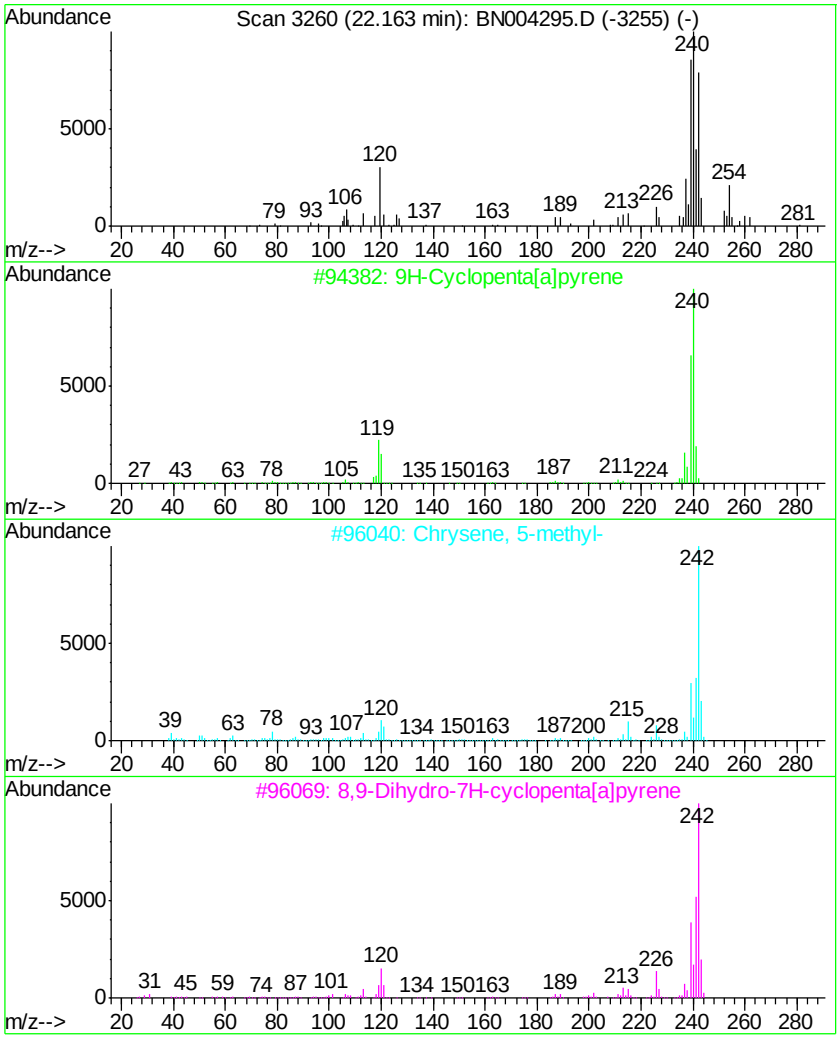
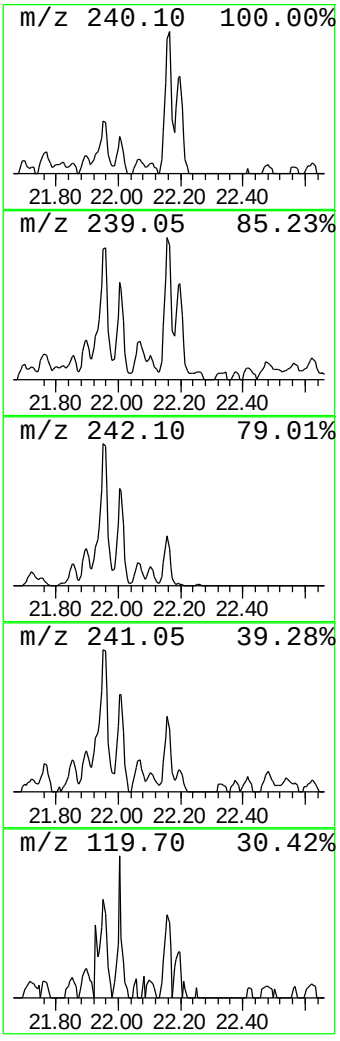
Peak Number 26 unknown-02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.16	3.35 ng/ul	136745	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	43
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	38
3	8,9-Dihydro-7H-cyclopenta[a]pyrene	242	C19H14	082979-72-4	38
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	38
5	Chrysene, 4-methyl-	242	C19H14	003351-30-2	30





Library Search Compound Report

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Data File : BN004295.D
Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

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

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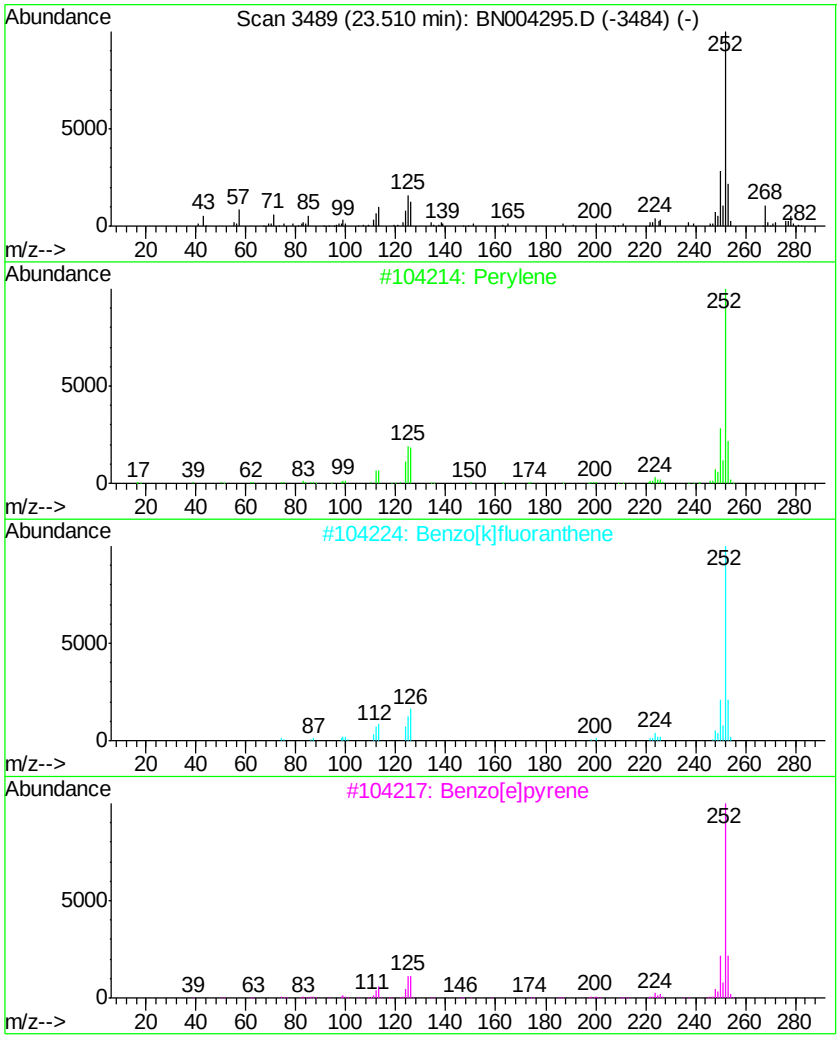
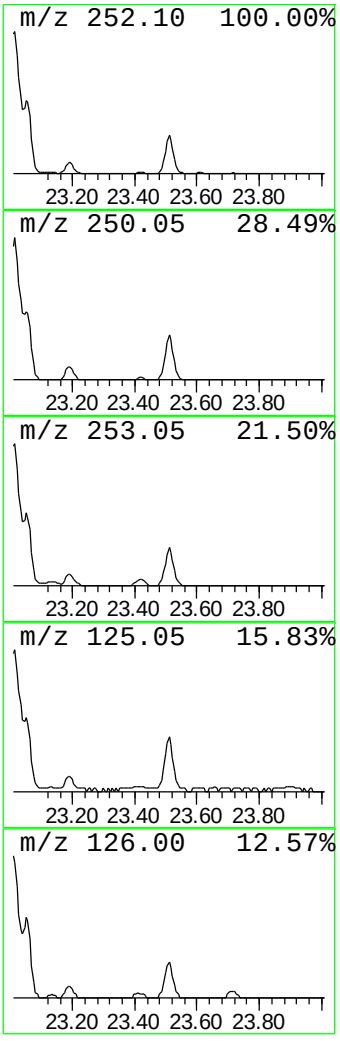
Peak Number 27 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.51	7.45 ng/ul	189107	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[e]pyrene	252	C20H12	000192-97-2	98
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004295.D
Acq On : 29 Dec 2018 11:28
Operator : JU/SJ
Sample : J6428-12
Misc : GCMS Confirmation
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41W5

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	3.19	12.3	ng/ul	90563	1	7.82	147817	20.0
Dibenzofuran, 4-m...	15.95	2.0	ng/ul	49506	4	17.21	492628	20.0
Dibenzothiophene	17.03	2.6	ng/ul	65148	4	17.21	492628	20.0
Phenanthrene, 2-m...	18.07	6.8	ng/ul	168315	4	17.21	492628	20.0
4H-Cyclopenta[def...	18.27	11.5	ng/ul	284040	4	17.21	492628	20.0
Phenanthrene, 1-m...	18.31	3.9	ng/ul	95274	4	17.21	492628	20.0
Naphthalene, 2-ph...	18.58	5.3	ng/ul	130366	4	17.21	492628	20.0
Phenanthrene, 2,5...	18.99	3.7	ng/ul	90515	4	17.21	492628	20.0
unknown-01	19.06	2.4	ng/ul	59495	4	17.21	492628	20.0
Benzo(b)naphtho(1...	19.70	2.5	ng/ul	101840	5	21.40	815516	20.0
Benzo[b]naphtho[2...	19.81	3.8	ng/ul	152811	5	21.40	815516	20.0
Pyrene, 1-methyl-	19.96	4.9	ng/ul	199221	5	21.40	815516	20.0
11H-Benzo[b]fluorene	20.10	6.5	ng/ul	263418	5	21.40	815516	20.0
Phosphine sulfide...	20.26	3.2	ng/ul	131681	5	21.40	815516	20.0
2,3,3',4',5,6-Hex...	20.38	4.3	ng/ul	174057	5	21.40	815516	20.0
2,2',3,3',5,6-Hex...	20.70	2.6	ng/ul	106216	5	21.40	815516	20.0
2,3,3',4,4',5',6-...	20.84	2.0	ng/ul	83725	5	21.40	815516	20.0
Benzo[b]naphtho[2...	21.04	3.0	ng/ul	123670	5	21.40	815516	20.0
Cyclopenta[cd]pyrene	21.12	3.7	ng/ul	150885	5	21.40	815516	20.0
Benz[a]anthracene...	21.95	3.1	ng/ul	128594	5	21.40	815516	20.0
Chrysene, 1-methyl-	22.00	2.3	ng/ul	93372	5	21.40	815516	20.0
unknown-02	22.16	3.4	ng/ul	136745	5	21.40	815516	20.0
Perylene	23.51	7.5	ng/ul	189107	6	23.72	507976	20.0