LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004187.D
Acq On : 22 Dec 2018 07:35
Operator : JU/SJ
Sample : J6415-06
Misc : GC-MS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB551

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	42	rVB	82235	85339	7.17%	0.983%
2	7.822	816	822	830	rBB	107189	164382	13.82%	1.894%
3	10.616	1291	1297	1303	rBV	165603	264188	22.21%	3.043%
4	14.463	1944	1951	1958	rBV2	240149	373410	31.39%	4.302%
5	14.522	1958	1961	1966	rVB	9796	13261	1.11%	0.153%
6	15.510	2124	2129	2135	rBB	19440	27267	2.29%	0.314%
7	15.710	2159	2163	2168	rVB	46173	58161	4.89%	0.670%
8	16.727	2332	2336	2341	rBV	73778	93533	7.86%	1.077%
9	17.027	2383	2387	2393	rVB	10726	13154	1.11%	0.152%
10	17.110	2397	2401	2405	rBV	12175	13937	1.17%	0.161%
11	17.210	2412	2418	2422	rBV2	354742	507851	42.69%	5.850%
12	17.251	2422	2425	2432	rVB	266305	348636	29.31%	4.016%
13	17.345	2436	2441	2444	rBV	31188	41687	3.50%	0.480%
14	17.580	2477	2481	2485	rVB	19073	21306	1.79%	0.245%
15	17.910	2534	2537	2542	rBV2	26096	32511	2.73%	0.375%
16	17.992	2546	2551	2555	rBV	73004	92376	7.77%	1.064%
17	18.080	2561	2566	2570	rBV	36886	49948	4.20%	0.575%
18	18.127	2570	2574	2579	rVV	45769	62917	5.29%	0.725%
19	18.210	2582	2588	2593	rVV2	7883	13039	1.10%	0.150%
20	18.274	2593	2599	2603	rVV2	58444	112946	9.49%	1.301%
21	18.322	2603	2607	2611	rVV2	42436	73084	6.14%	0.842%
22	18.369	2611	2615	2621	rVB	70193	87223	7.33%	1.005%
23	18.580	2644	2651	2659	rBV	26802	39059	3.28%	0.450%
24	18.698	2666	2671	2675	rBV3	8900	13231	1.11%	0.152%
25	18.880	2697	2702	2705	rVV2	25215	29073	2.44%	0.335%
26	18.998	2719	2722	2727	rVB	23816	29896	2.51%	0.344%
27	19.069	2727	2734	2737	rBV2	18559	34140	2.87%	0.393%
28	19.116	2739	2742	2748	rVB3	10058	14888	1.25%	0.172%
29	19.269	2762	2768	2773	rBV	549634	717190	60.29%	8.262%
30	19.316	2773	2776	2781	rVV3	20155	29691	2.50%	0.342%
31	19.392	2785	2789	2794	rVV	40082	58535	4.92%	0.674%
32	19.463	2797	2801	2804	rVB	14107	16015	1.35%	0.184%
33	19.516	2804	2810	2817	rBV2	14090	28607	2.40%	0.330%
34	19.598	2817	2824	2826	rVV2	72342	107461	9.03%	1.238%

LSC Area Percent Report

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Misc : GC-MS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB551

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

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Peak separation: 5

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

35	19.633	2826	2830	2837	rVV	393598	524436	44.09%	6.041%
36	19.698	2837	2841	2846	rVV	25387	32454	2.73%	0.374%
37	19.816	2856	2861	2865	rBV2	35111	51304	4.31%	0.591%
38	19.963	2879	2886	2891	rBV2	61372	93446	7.86%	1.076%
39	20.010	2891	2894	2896	rVV	12127	13776	1.16%	0.159%
40	20.033	2896	2898	2900	rVV2	13652	15412	1.30%	0.178%
41	20.104	2904	2910	2918	rVB3	115306	226918	19.08%	2.614%
42	20.227	2926	2931	2934	rBV2	39908	54895	4.61%	0.632%
43	20.286	2934	2941	2943	rBV2	28641	50869	4.28%	0.586%
44	20.380	2950	2957	2961	rBV2	84229	111057	9.34%	1.279%
45	20.427	2961	2965	2970	rBV2	25880	52804	4.44%	0.608%
46	20.468	2970	2972	2981	rVB3	28263	48987	4.12%	0.564%
47	20.545	2981	2985	2989	rBV5	31360	44556	3.75%	0.513%
48	20.680	3003	3008	3010	rBV3	45434	61744	5.19%	0.711%
49	20.704	3010	3012	3016	rVV3	43456	54154	4.55%	0.624%
50	20.751	3017	3020	3023	rVB2	15852	20469	1.72%	0.236%
51	20.845	3032	3036	3040	rBV2	73848	85452	7.18%	0.984%
52	20.910	3044	3047	3050	rVB3	17258	16988	1.43%	0.196%
53	21.039	3066	3069	3072	rBV	46791	58863	4.95%	0.678%
54	21.080	3072	3076	3079	rVV2	55594	74154	6.23%	0.854%
55	21.116	3079	3082	3087	rVV	79603	94485	7.94%	1.088%
56	21.174	3087	3092	3097	rVB4	34247	50192	4.22%	0.578%
57	21.280	3107	3110	3115	rVB2	19891	24988	2.10%	0.288%
58	21.398	3122	3130	3134	rBV2	592786	1189572	100.00%	13.704%
59	21.433	3134	3136	3145	rVV	293647	349372	29.37%	4.025%
60	21.510	3146	3149	3153	rVB2	21961	27006	2.27%	0.311%
61	21.727	3182	3186	3189	rBV2	39331	51683	4.34%	0.595%
62	21.780	3192	3195	3201	rVB5	28028	34179	2.87%	0.394%
63	21.851	3203	3207	3211	rBV2	28785	36949	3.11%	0.426%
64	21.957	3220	3225	3229	rVB2	50181	71121	5.98%	0.819%
65	22.010	3231	3234	3239	rVB	26745	35027	2.94%	0.404%
66	22.080	3242	3246	3249	rBV2	18030	28329	2.38%	0.326%
67	22.163	3256	3260	3263	rBV	25561	45958	3.86%	0.529%
68	22.262	3274	3277	3283	rVB	18134	28586	2.40%	0.329%
69	22.427	3301	3305	3309	rBV2	28149	38985	3.28%	0.449%
70	23.015	3399	3405	3410	rBV	176219	388831	32.69%	4.479%
71	23.192	3432	3435	3440	rVB	17366	29425	2.47%	0.339%

LSC Area Percent Report

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Sample : J6415-06
Misc : GC-MS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB551

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	23.515	3485	3490	3499	rVB	83778	165374	13.90%	1.905%
73	23.721	3518	3525	3540	rVB2	262685	536451	45.10%	6.180%
74	26.080	3920	3926	3938	rVB2	31476	93524	7.86%	1.077%

Sum of corrected areas: 8680717

LSC Report - Integrated Chromatogram

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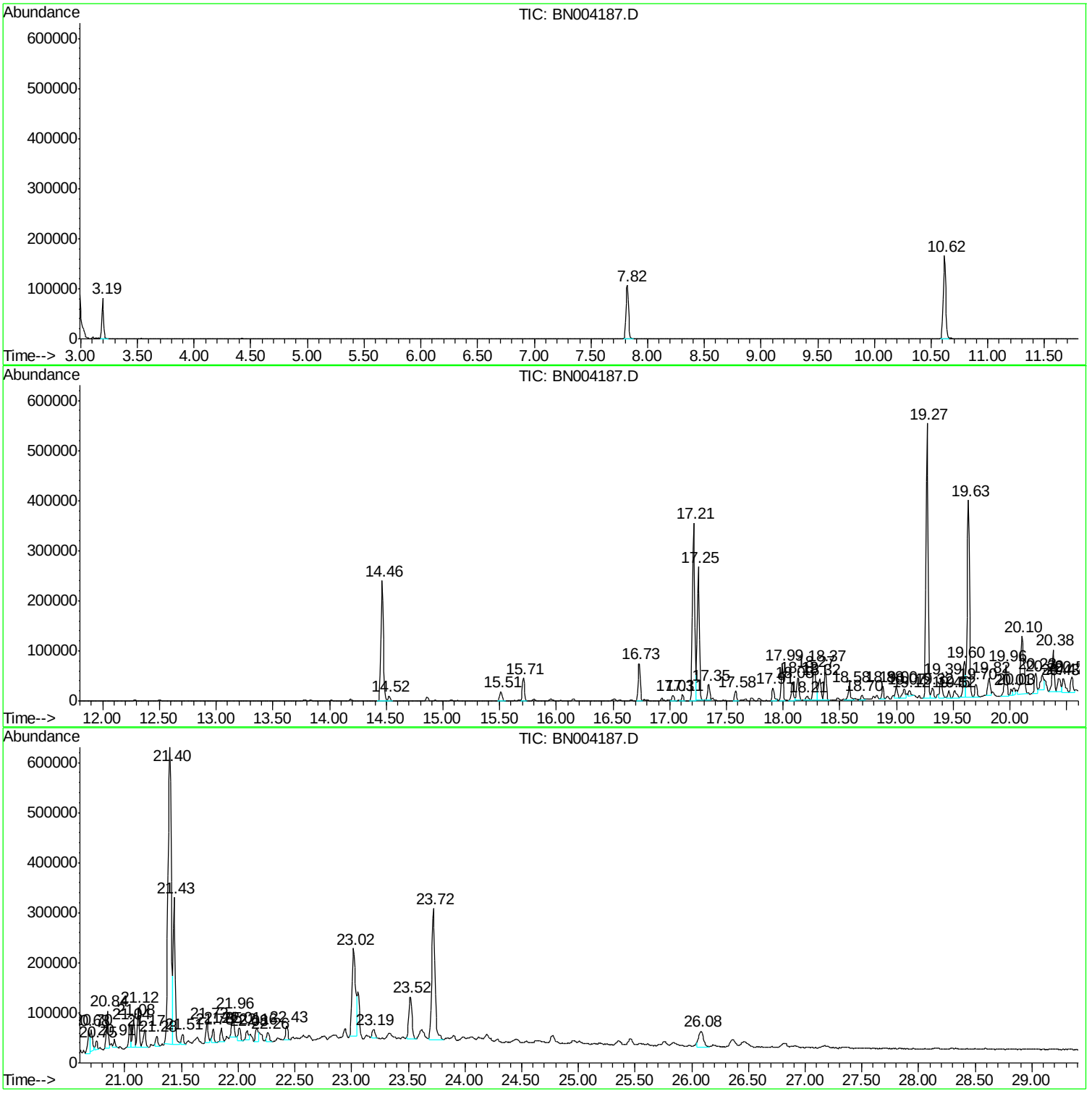
Data File : BN004187.D
Acq On : 22 Dec 2018 07:35
Operator : JU/SJ
Sample : J6415-06
Misc : GC-MS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CB551

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\BN122118\
Data File : BN004187.D
Acq On : 22 Dec 2018 07:35
Operator : JU/SJ
Sample : J6415-06
Misc : GC-MS Confirmation
ALS Vial : 37 Sample Multiplier: 1

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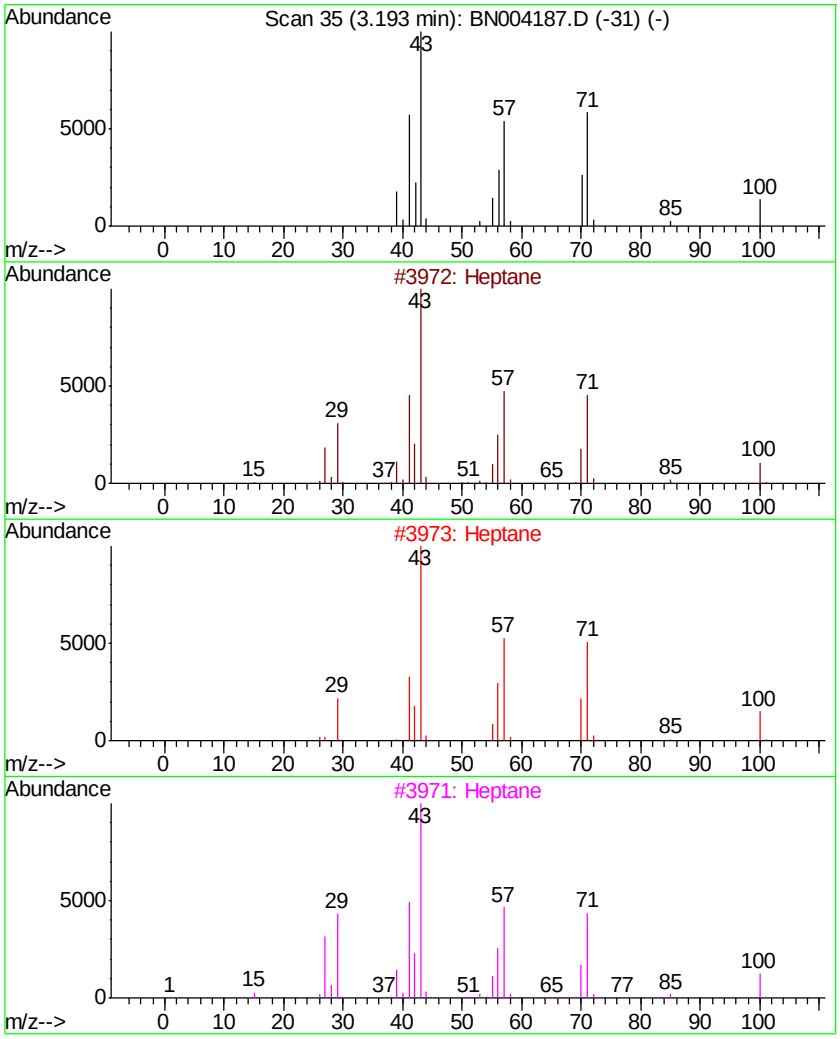
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

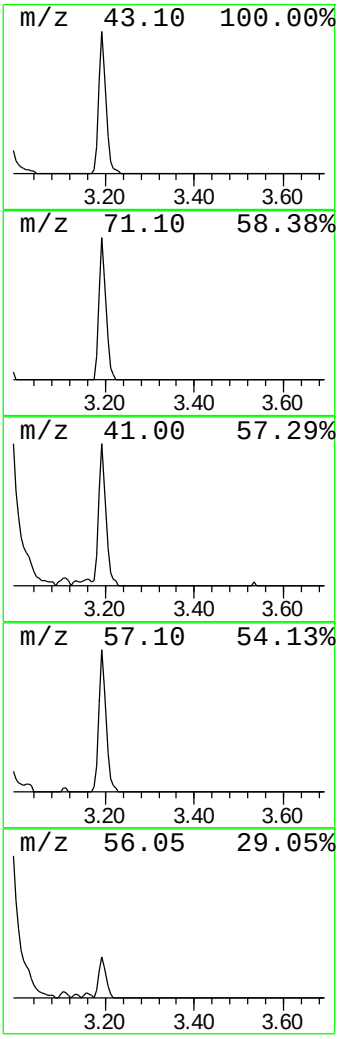
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	10.38 ng/ul	85339	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	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004187.D
Acq On : 22 Dec 2018 07:35
Operator : JU/SJ
Sample : J6415-06
Misc : GC-MS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB551

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

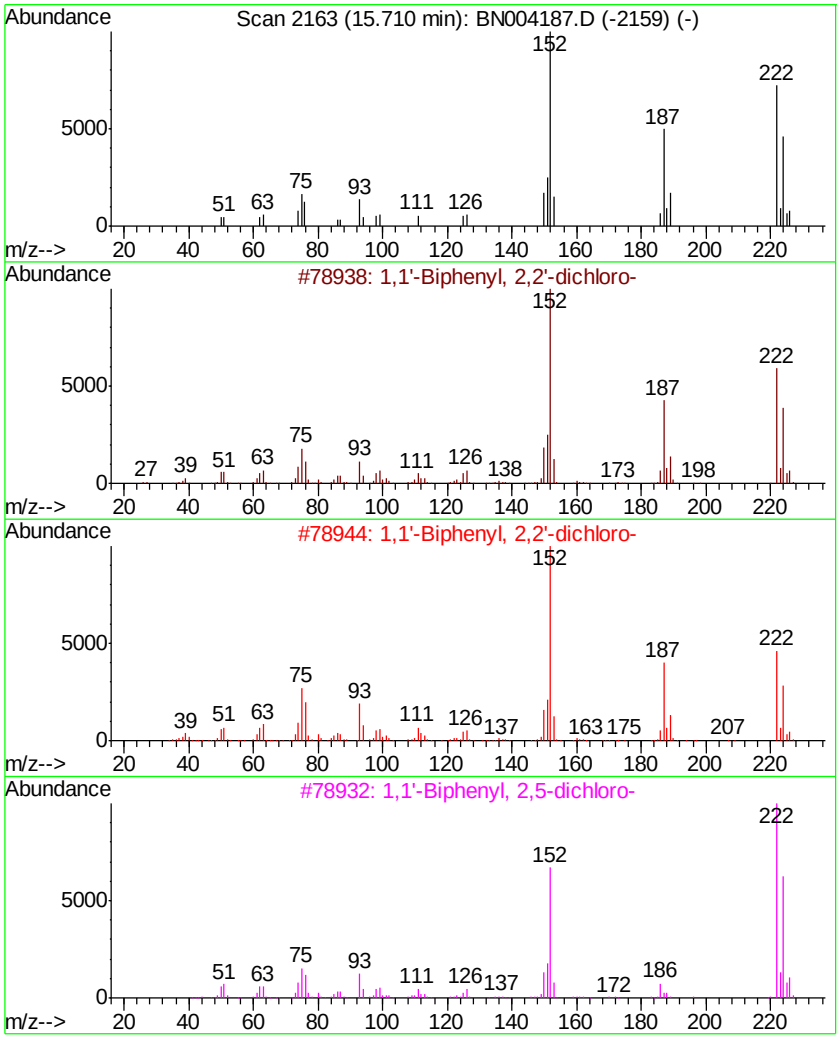
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

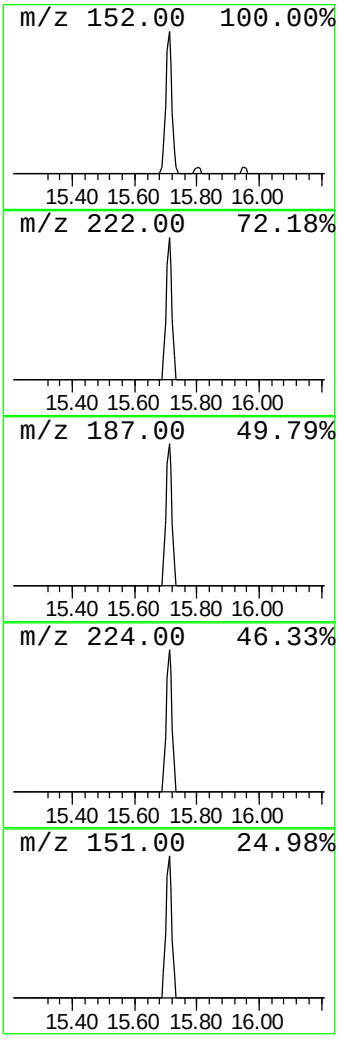
****

Peak Number 2 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	3.12 ng/ul	58161	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99
2	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99
3	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	98
4	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	98
5	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	98





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004187.D
Acq On : 22 Dec 2018 07:35
Operator : JU/SJ
Sample : J6415-06
Misc : GC-MS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB551

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

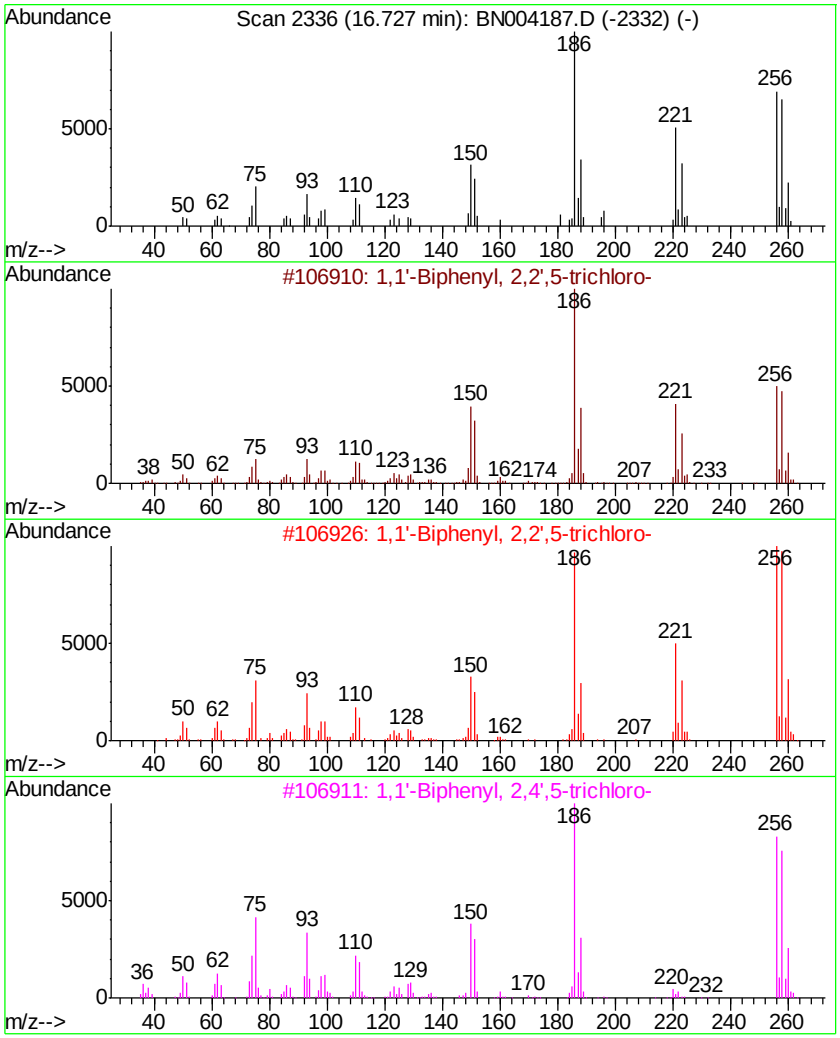
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

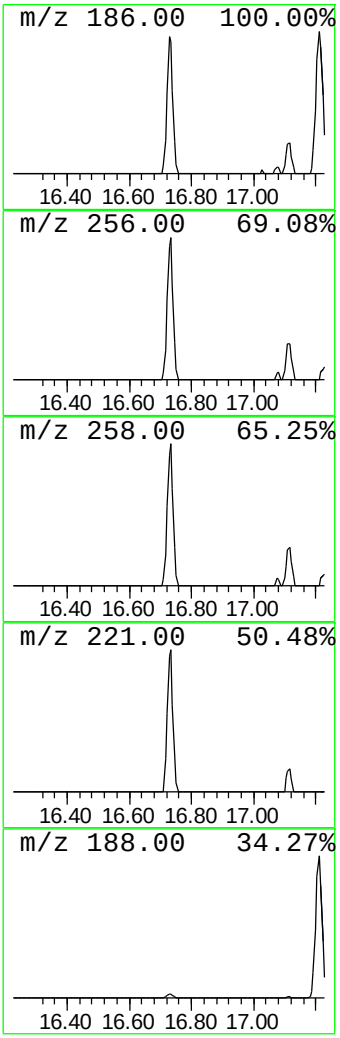
****

Peak Number 3 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	3.68 ng/ul	93533	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
3	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	97
4	1,1'-Biphenyl, 3,4,4'-Trichloro-	256	C12H7Cl3	038444-90-5	96
5	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	95





Library Search Compound Report

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

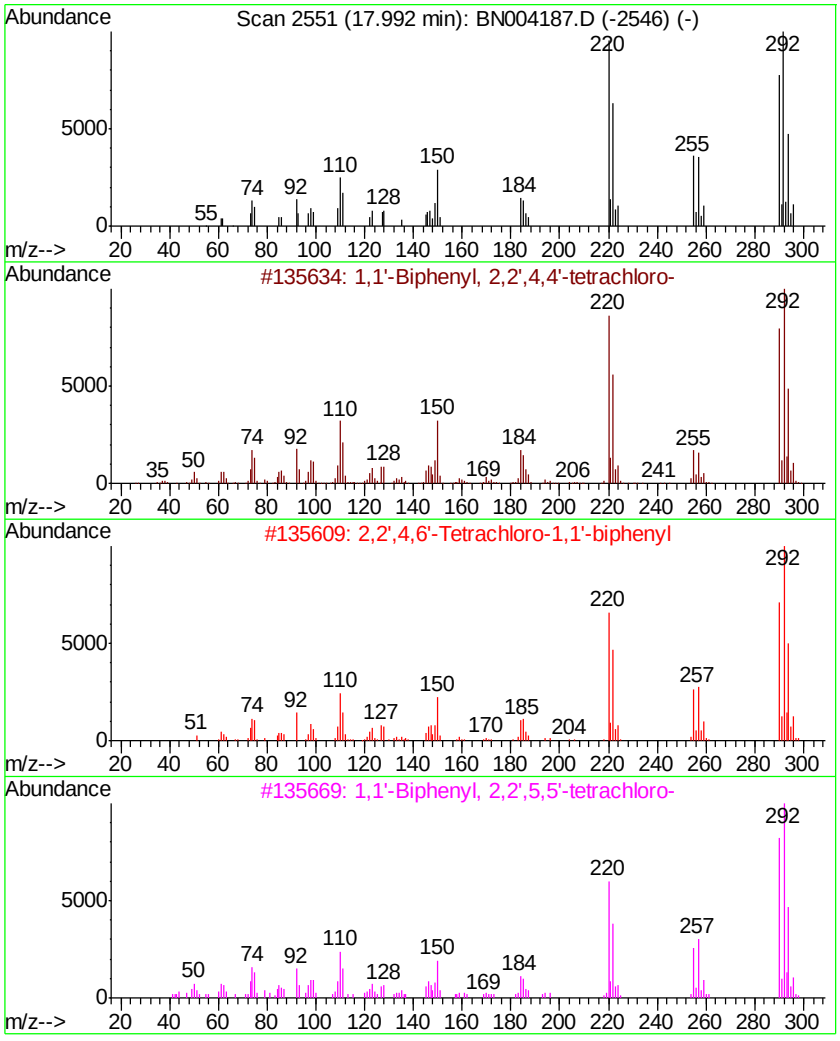
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

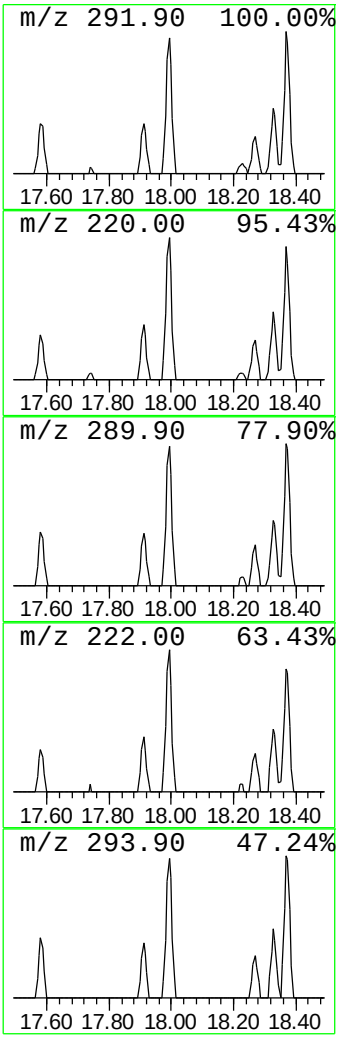
****

Peak Number 4 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	3.64 ng/ul	92376	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





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Quant Title : SVOA CALIBRATION

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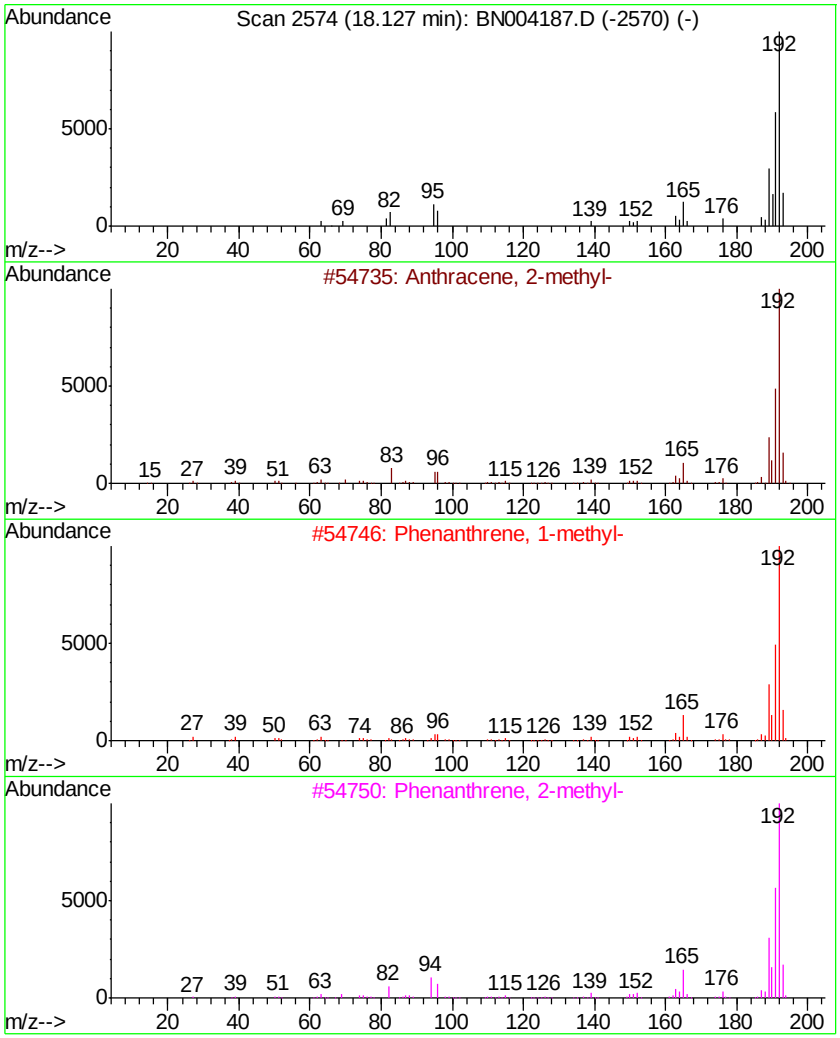
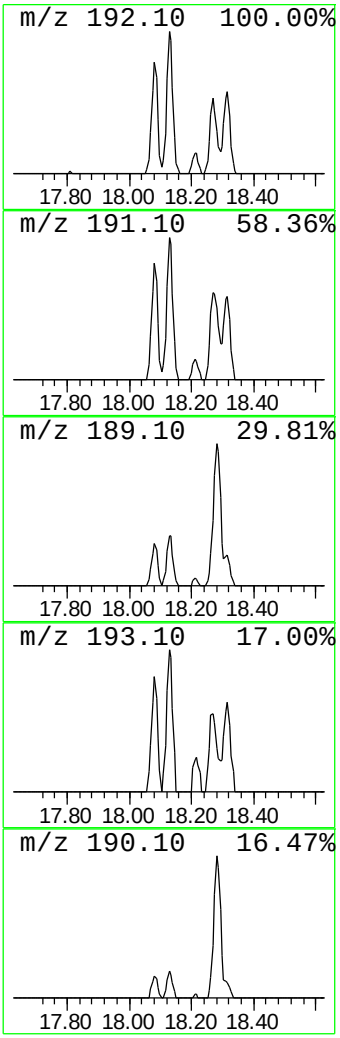
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	2.48 ng/ul	62917	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB551

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

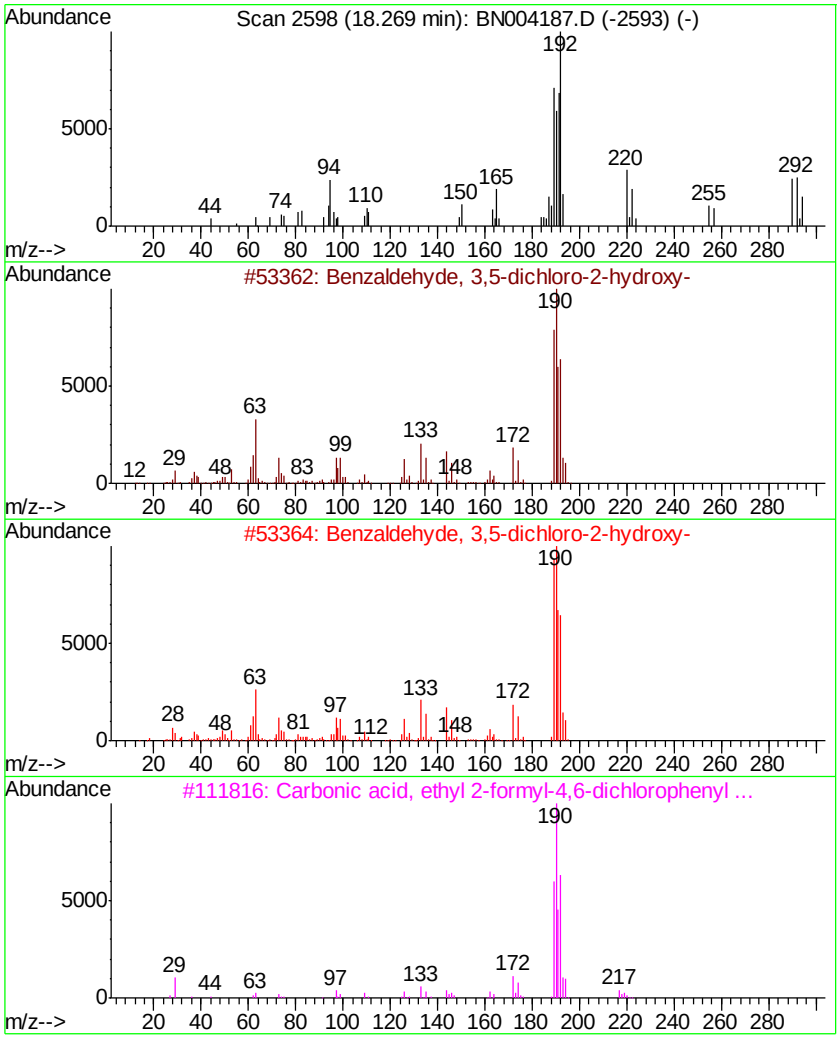
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

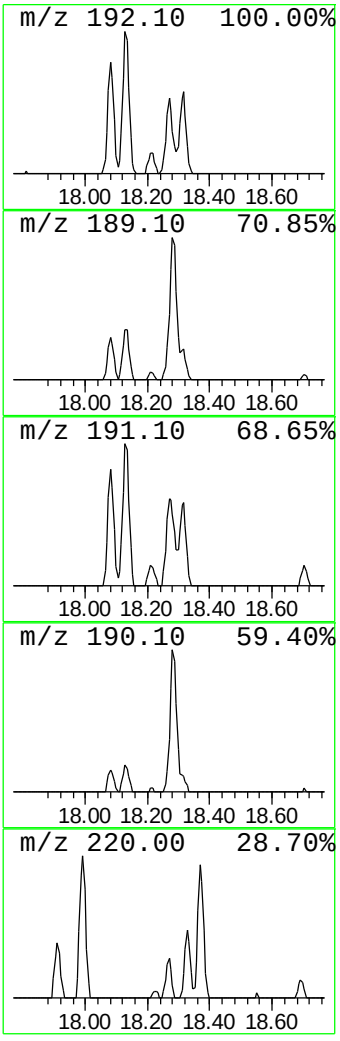
****

Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	4.45 ng/ul	112946	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	58
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	58
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	47
4	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	47
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46





Library Search Compound Report

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Data File : BN004187.D
Acq On : 22 Dec 2018 07:35
Operator : JU/SJ
Sample : J6415-06
Misc : GC-MS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB551

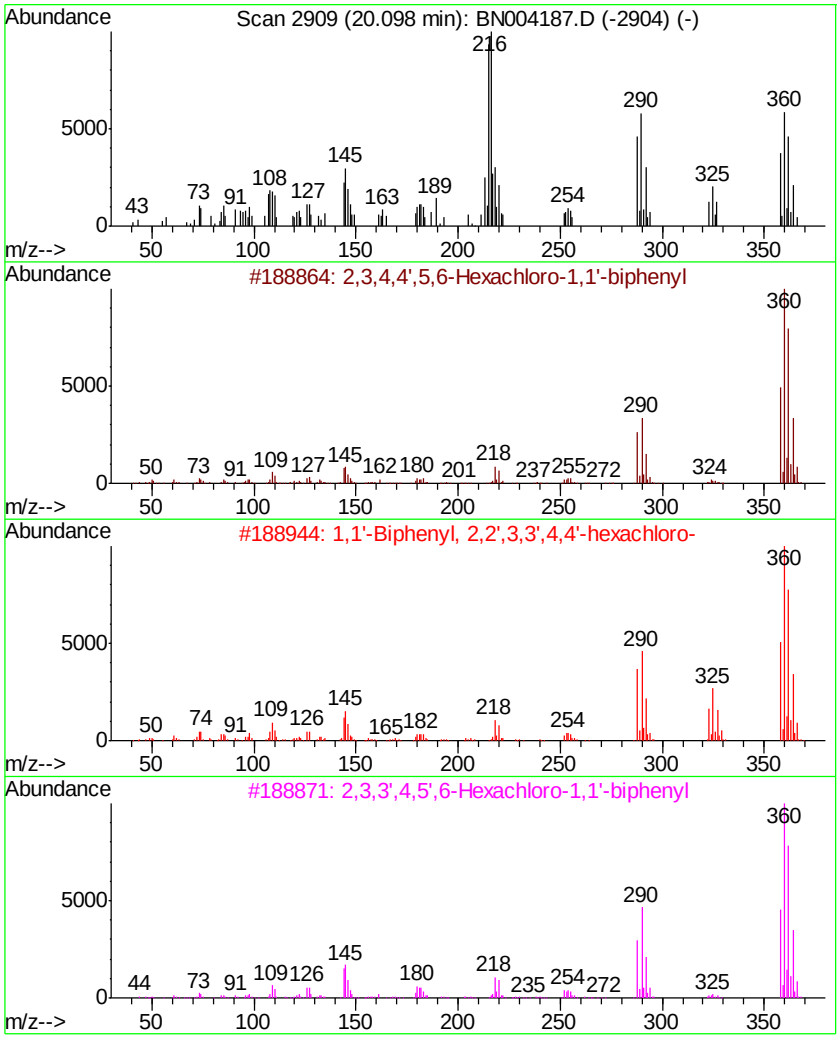
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

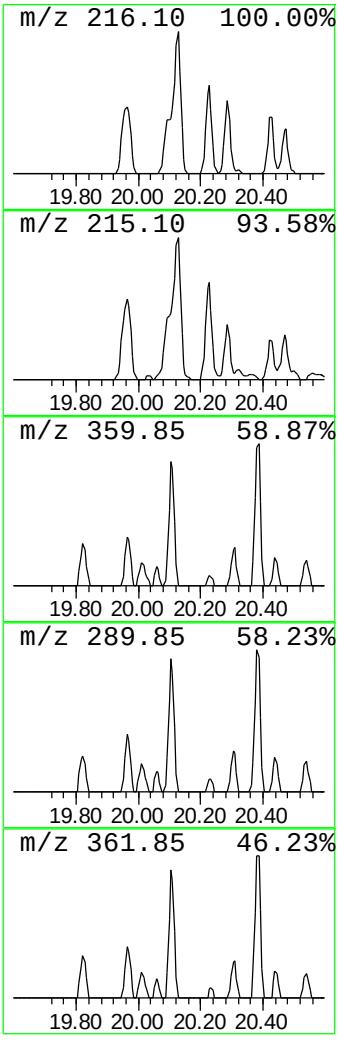
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 2,3,4,4',5,6-Hexachloro-1,1... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	3.82 ng/ul	226918	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99
2	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
3	2,3,3',4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-43-8	99
4	1,1'-Biphenyl, 2,2',4,4',5',6-He...	358	C12H4Cl6	060145-22-4	99
5	2,2',3,5,6,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-09-2	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004187.D
Acq On : 22 Dec 2018 07:35
Operator : JU/SJ
Sample : J6415-06
Misc : GC-MS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB551

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

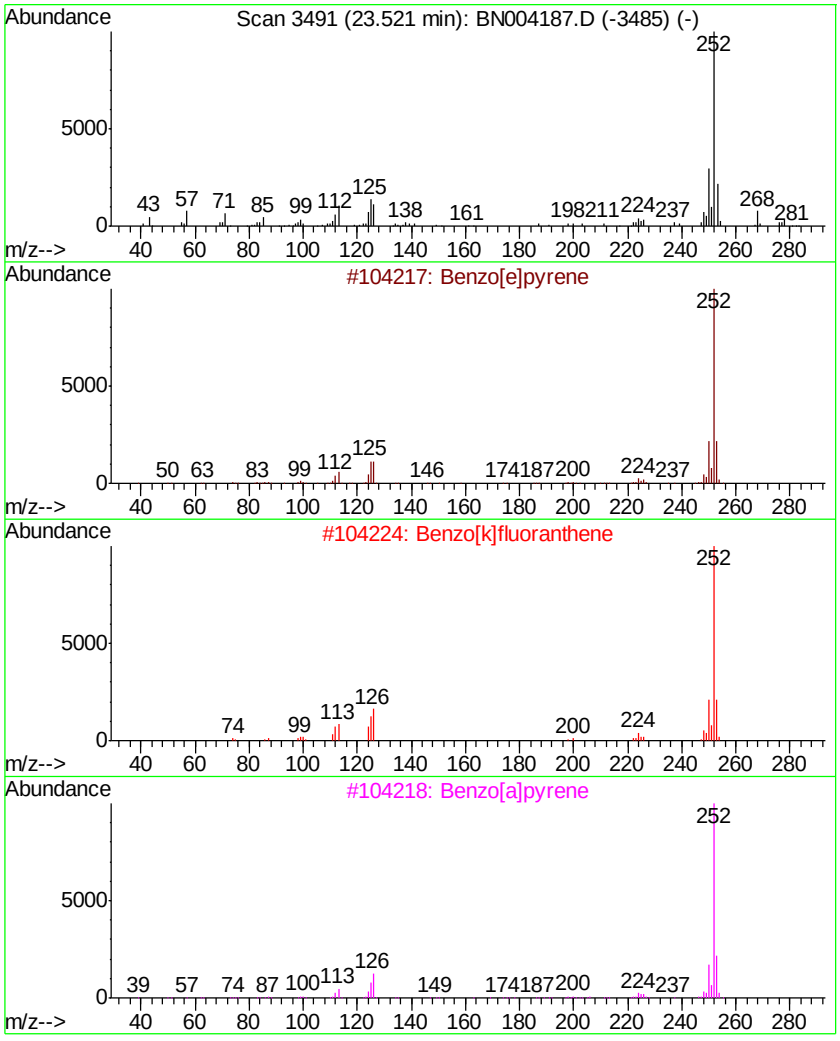
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

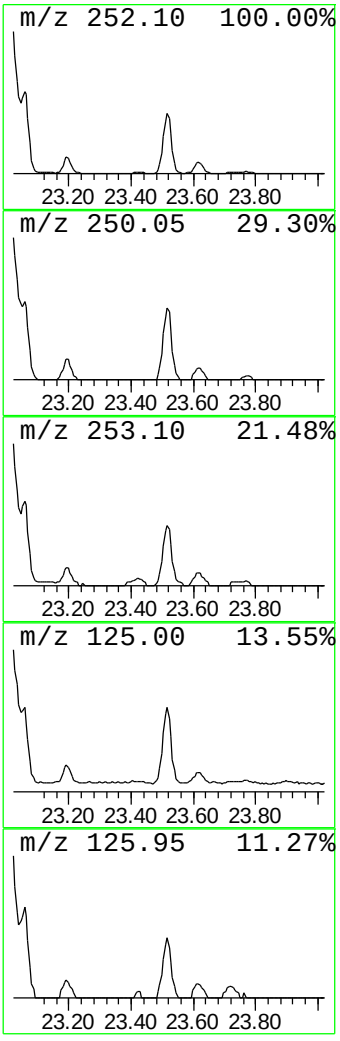
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.52	6.17 ng/ul	165374	Perylene-d12	23.72

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	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
Data File : BN004187.D
Acq On : 22 Dec 2018 07:35
Operator : JU/SJ
Sample : J6415-06
Misc : GC-MS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB551

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	10.4	ng/ul	85339	1	7.82	164382	20.0
1,1'-Biphenyl, 2,...	15.71	3.1	ng/ul	58161	3	14.46	373410	20.0
1,1'-Biphenyl, 2,...	16.73	3.7	ng/ul	93533	4	17.21	507851	20.0
1,1'-Biphenyl, 2,...	17.99	3.6	ng/ul	92376	4	17.21	507851	20.0
Anthracene, 2-met...	18.13	2.5	ng/ul	62917	4	17.21	507851	20.0
Benzaldehyde, 3,5...	18.27	4.5	ng/ul	112946	4	17.21	507851	20.0
2,3,4,4',5,6-Hexa...	20.10	3.8	ng/ul	226918	5	21.40	1189570	20.0
Benzo[e]pyrene	23.52	6.2	ng/ul	165374	6	23.72	536451	20.0