LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021919\
Data File : BN004455.D
Acq On : 19 Feb 2019 12:09
Operator : JU/SJ
Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BN020719MA.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	4.487	249	255	270	rVB	506464	837757	21.45%	4.730%
2	5.081	352	356	365	rBV	20304	33299	0.85%	0.188%
3	5.269	384	388	394	rBV	15153	20899	0.54%	0.118%
4	5.399	405	410	412	rBV	24893	37572	0.96%	0.212%
5	5.763	467	472	478	rBB2	21053	30747	0.79%	0.174%
6	6.287	558	561	566	rVB	18347	23861	0.61%	0.135%
7	6.375	572	576	587	rVB3	17556	39972	1.02%	0.226%
8	6.722	631	635	640	rVV	25905	36359	0.93%	0.205%
9	6.775	640	644	648	rVB	14841	19005	0.49%	0.107%
10	6.828	649	653	657	rBV2	13460	19052	0.49%	0.108%
11	6.887	657	663	672	rVV5	32405	63821	1.63%	0.360%
12	7.281	723	730	736	rVB5	9379	22794	0.58%	0.129%
13	7.346	736	741	743	rBV	15511	20128	0.52%	0.114%
14	7.381	743	747	754	rVB	72813	111998	2.87%	0.632%
15	7.634	780	790	796	rBV6	17330	40974	1.05%	0.231%
16	7.699	796	801	804	rVV	39355	54633	1.40%	0.308%
17	7.746	804	809	812	rVV	80302	125669	3.22%	0.710%
18	7.781	812	815	821	rVB3	30203	51100	1.31%	0.289%
19	7.846	822	826	832	rBV2	20026	34941	0.89%	0.197%
20	8.010	850	854	861	rVB2	18381	27858	0.71%	0.157%
21	8.093	861	868	874	rVB3	24660	44332	1.14%	0.250%
22	8.246	886	894	897	rBV3	17528	39462	1.01%	0.223%
23	8.275	897	899	902	rVV	13634	18932	0.48%	0.107%
24	8.375	910	916	921	rBV2	38985	67411	1.73%	0.381%
25	8.481	930	934	939	rBV	13404	18528	0.47%	0.105%
26	8.681	963	968	972	rBV	12441	19033	0.49%	0.107%
27	8.734	972	977	982	rVB	15380	22662	0.58%	0.128%
28	8.828	988	993	1000	rVB	37650	58875	1.51%	0.332%
29	8.916	1002	1008	1010	rBV4	14257	25337	0.65%	0.143%
30	8.940	1010	1012	1017	rVB2	18221	24291	0.62%	0.137%
31	9.075	1030	1035	1040	rVB4	13313	23784	0.61%	0.134%
32	9.351	1077	1082	1087	rBV2	27560	38657	0.99%	0.218%
33	9.410	1087	1092	1097	rBV	32329	49191	1.26%	0.278%
34	9.928	1174	1180	1185	rVV3	18354	32542	0.83%	0.184%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021919\
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Acq On : 19 Feb 2019 12:09
Operator : JU/SJ
Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BN020719MA.M
Title : SVOA CALIBRATION

35	9.987	1185	1190	1194	rVB2	12661	18033	0.46%	0.102%
36	10.387	1254	1258	1264	rBV2	19374	30614	0.78%	0.173%
37	10.528	1277	1282	1287	rVV	145860	244310	6.26%	1.379%
38	10.581	1287	1291	1297	rVV	41022	66109	1.69%	0.373%
39	10.669	1301	1306	1312	rVB2	11907	18432	0.47%	0.104%
40	13.175	1728	1732	1742	rVB5	12941	28216	0.72%	0.159%
41	13.698	1816	1821	1825	rBV	12437	20053	0.51%	0.113%
42	13.787	1833	1836	1841	rVV	27945	38751	0.99%	0.219%
43	13.845	1841	1846	1850	rVV3	16866	25143	0.64%	0.142%
44	14.075	1879	1885	1889	rBV	21611	33342	0.85%	0.188%
45	14.381	1931	1937	1944	rVV2	243838	386068	9.89%	2.180%
46	14.775	1999	2004	2008	rBV3	12845	19019	0.49%	0.107%
47	15.163	2064	2070	2074	rBV3	11374	19391	0.50%	0.109%
48	15.375	2101	2106	2111	rBV	37696	49096	1.26%	0.277%
49	15.634	2141	2150	2157	rBV2	38909	68364	1.75%	0.386%
50	16.104	2221	2230	2234	rBV2	45627	86291	2.21%	0.487%
51	16.245	2249	2254	2258	rVV2	44808	61647	1.58%	0.348%
52	16.363	2266	2274	2280	rBV	68097	100079	2.56%	0.565%
53	16.422	2281	2284	2288	rVV4	12121	18453	0.47%	0.104%
54	16.663	2320	2325	2328	rBV4	17501	27814	0.71%	0.157%
55	16.922	2366	2369	2374	rVB3	21722	31186	0.80%	0.176%
56	17.004	2379	2383	2387	rBV2	102101	136741	3.50%	0.772%
57	17.039	2387	2389	2395	rVB	40269	47648	1.22%	0.269%
58	17.128	2398	2404	2409	rBV	353473	553135	14.16%	3.123%
59	17.169	2409	2411	2417	rVB	49552	64570	1.65%	0.365%
60	17.228	2417	2421	2423	rBV2	44964	64815	1.66%	0.366%
61	17.263	2423	2427	2431	rVV	416993	568710	14.56%	3.211%
62	17.298	2431	2433	2439	rVB3	56737	78387	2.01%	0.443%
63	17.533	2469	2473	2477	rVV5	18358	31910	0.82%	0.180%
64	17.580	2477	2481	2483	rVV	37795	50894	1.30%	0.287%
65	17.610	2483	2486	2490	rVB3	35965	40841	1.05%	0.231%
66	17.722	2499	2505	2512	rVB	129414	250294	6.41%	1.413%
67	17.851	2522	2527	2532	rBV2	47186	84297	2.16%	0.476%
68	17.975	2545	2548	2551	rBV	32674	45010	1.15%	0.254%
69	18.198	2582	2586	2591	rBV3	70949	95873	2.46%	0.541%
70	18.257	2593	2596	2600	rVB	55285	69102	1.77%	0.390%
71	18.304	2600	2604	2610	rBV4	37609	50321	1.29%	0.284%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021919\
Data File : BN004455.D
Acq On : 19 Feb 2019 12:09
Operator : JU/SJ
Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BN020719MA.M
Title : SVOA CALIBRATION

72	18.433	2624	2626	2631	rVB	17661	18379	0.47%	0.104%
73	18.486	2631	2635	2640	rBV3	47402	77410	1.98%	0.437%
74	18.551	2641	2646	2650	rVV2	46805	74908	1.92%	0.423%
75	18.663	2662	2665	2669	rVB2	27348	31931	0.82%	0.180%
76	18.775	2679	2684	2693	rVB	80252	138994	3.56%	0.785%
77	18.969	2715	2717	2722	rVB4	23048	26423	0.68%	0.149%
78	19.022	2722	2726	2729	rVV2	42128	60172	1.54%	0.340%
79	19.057	2729	2732	2737	rVB3	59315	92061	2.36%	0.520%
80	19.192	2751	2755	2760	rBV	88927	117944	3.02%	0.666%
81	19.245	2761	2764	2768	rBV2	44677	68684	1.76%	0.388%
82	19.345	2775	2781	2787	rBV2	135266	246737	6.32%	1.393%
83	19.527	2808	2812	2815	rBV3	86836	127997	3.28%	0.723%
84	19.557	2815	2817	2827	rVB	73280	127430	3.26%	0.719%
85	19.880	2867	2872	2879	rBV	437298	614879	15.75%	3.472%
86	20.045	2896	2900	2907	rBV6	135517	207014	5.30%	1.169%
87	20.251	2932	2935	2940	rVB5	35699	43254	1.11%	0.244%
88	20.322	2944	2947	2951	rVB	127191	147776	3.78%	0.834%
89	20.627	2995	2999	3000	rBV	59215	71620	1.83%	0.404%
90	20.645	3000	3002	3006	rVV2	84972	100373	2.57%	0.567%
91	20.710	3007	3013	3019	rVB	1611578	2216678	56.76%	12.515%
92	20.792	3024	3027	3032	rVB3	103204	126663	3.24%	0.715%
93	21.063	3070	3073	3077	rVB3	71531	83526	2.14%	0.472%
94	21.233	3099	3102	3107	rBV	255476	292211	7.48%	1.650%
95	21.327	3113	3118	3132	rVB2	727346	1257834	32.21%	7.102%
96	21.545	3149	3155	3160	rBV	2827917	3905038	100.00%	22.047%
97	23.215	3435	3439	3450	rVB2	81072	157072	4.02%	0.887%
98	23.451	3475	3479	3484	rBV2	98299	170584	4.37%	0.963%
99	23.598	3498	3504	3519	rVB2	550049	1117709	28.62%	6.310%
100	25.909	3891	3897	3907	rVB3	86376	232380	5.95%	1.312%

Sum of corrected areas: 17712116

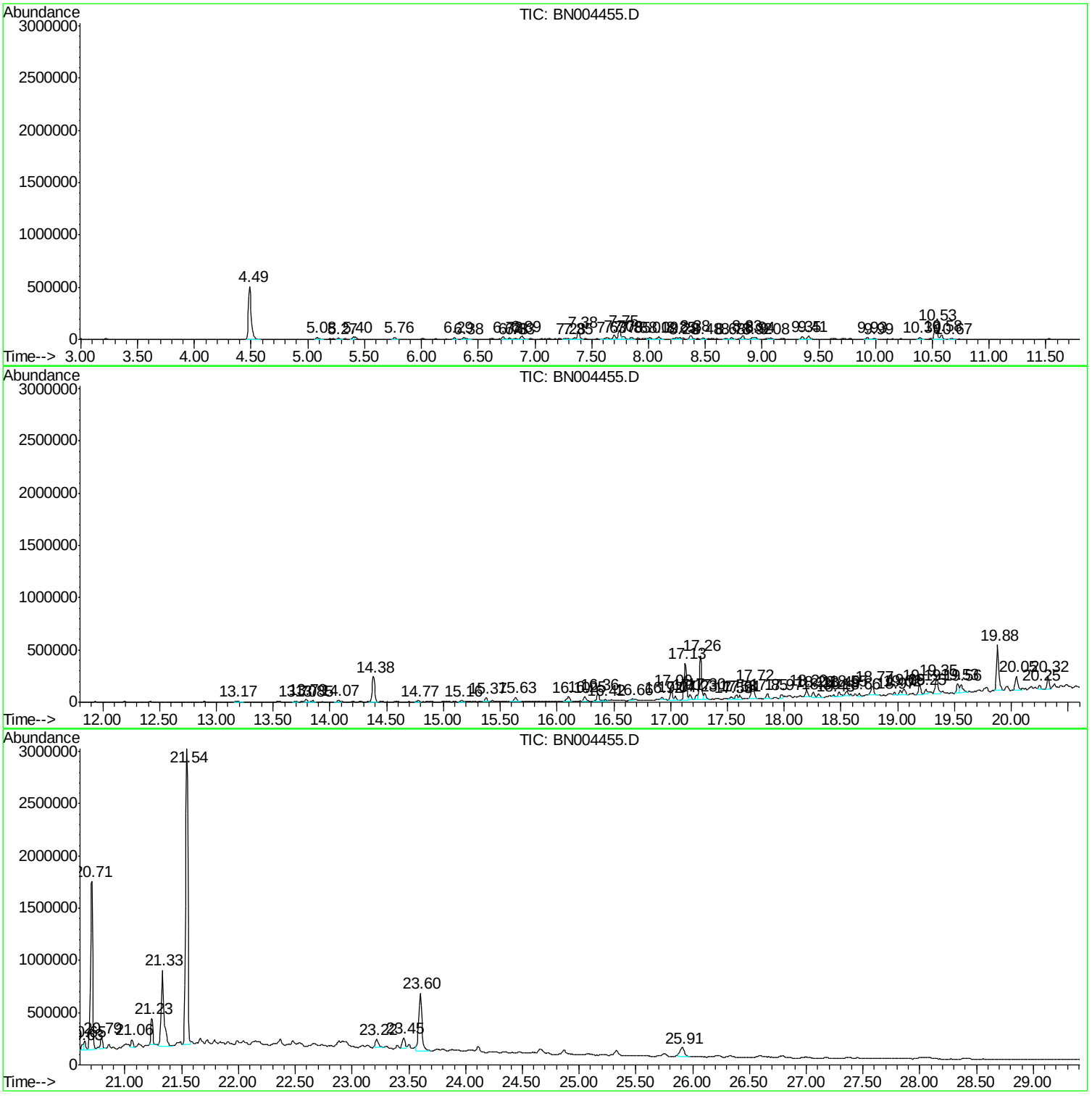
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021919\
Data File : BN004455.D
Acq On : 19 Feb 2019 12:09
Operator : JU/SJ
Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021919\
Data File : BN004455.D
Acq On : 19 Feb 2019 12:09
Operator : JU/SJ
Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020719MA.M
Quant Title : SVOA CALIBRATION

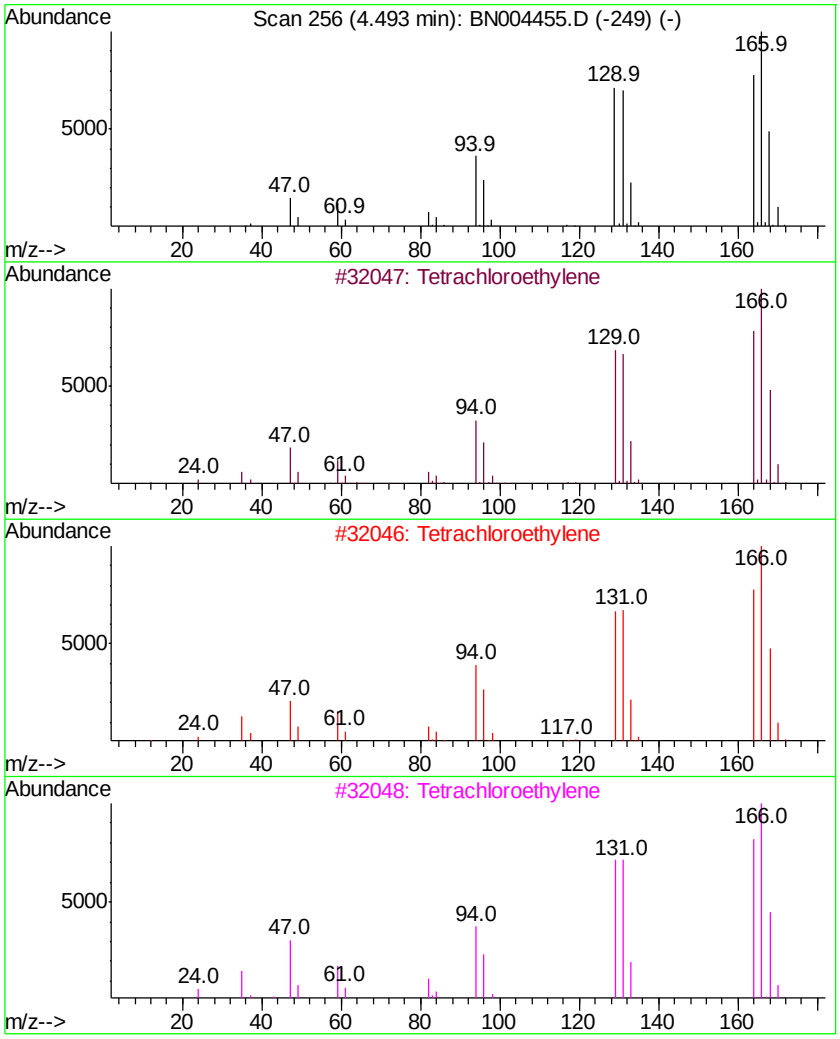
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

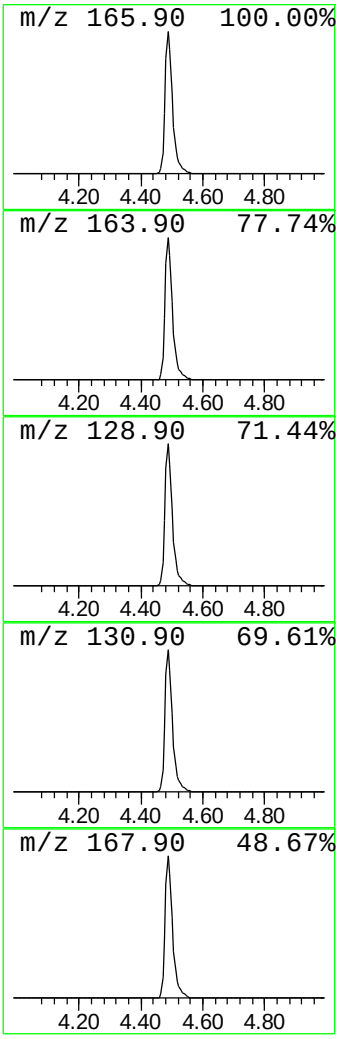
****

Peak Number 1 Tetrachloroethylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.49	133.33 ng/ul	837757	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrachloroethylene	164	C2Cl4	000127-18-4	98
2	Tetrachloroethylene	164	C2Cl4	000127-18-4	97
3	Tetrachloroethylene	164	C2Cl4	000127-18-4	97
4	Pyrimidine, 5-fluoro-2,4-dichloro-	166	C4HCl2FN2	002927-71-1	38
5	2-Chloroquinoxaline	164	C8H5ClN2	001448-87-9	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021919\
Data File : BN004455.D
Acq On : 19 Feb 2019 12:09
Operator : JU/SJ
Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020719MA.M
Quant Title : SVOA CALIBRATION

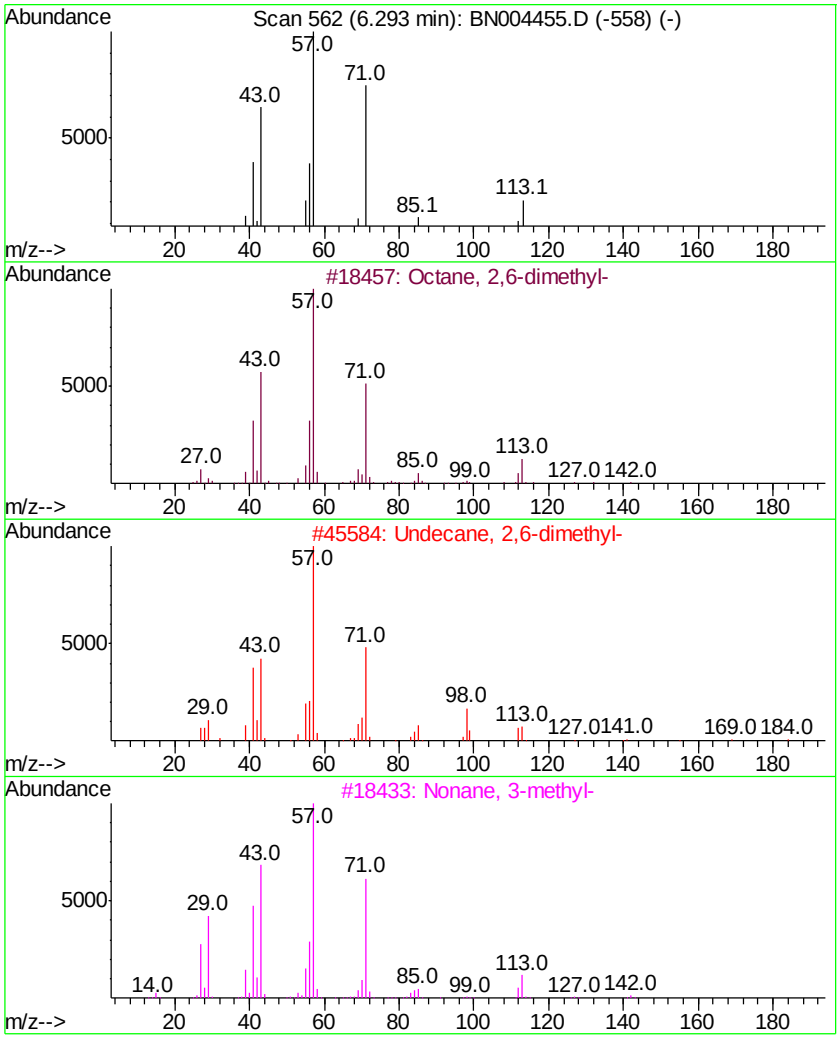
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

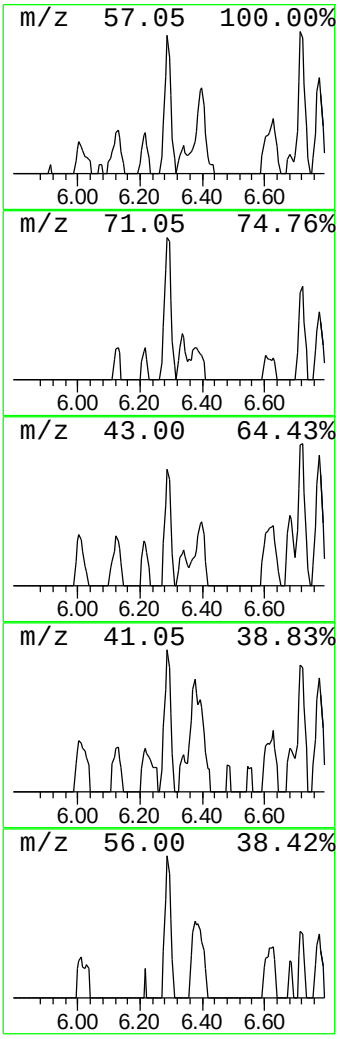
****

Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	3.80 ng/ul	23861	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	83
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	83
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021919\
Data File : BN004455.D
Acq On : 19 Feb 2019 12:09
Operator : JU/SJ
Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020719MA.M
Quant Title : SVOA CALIBRATION

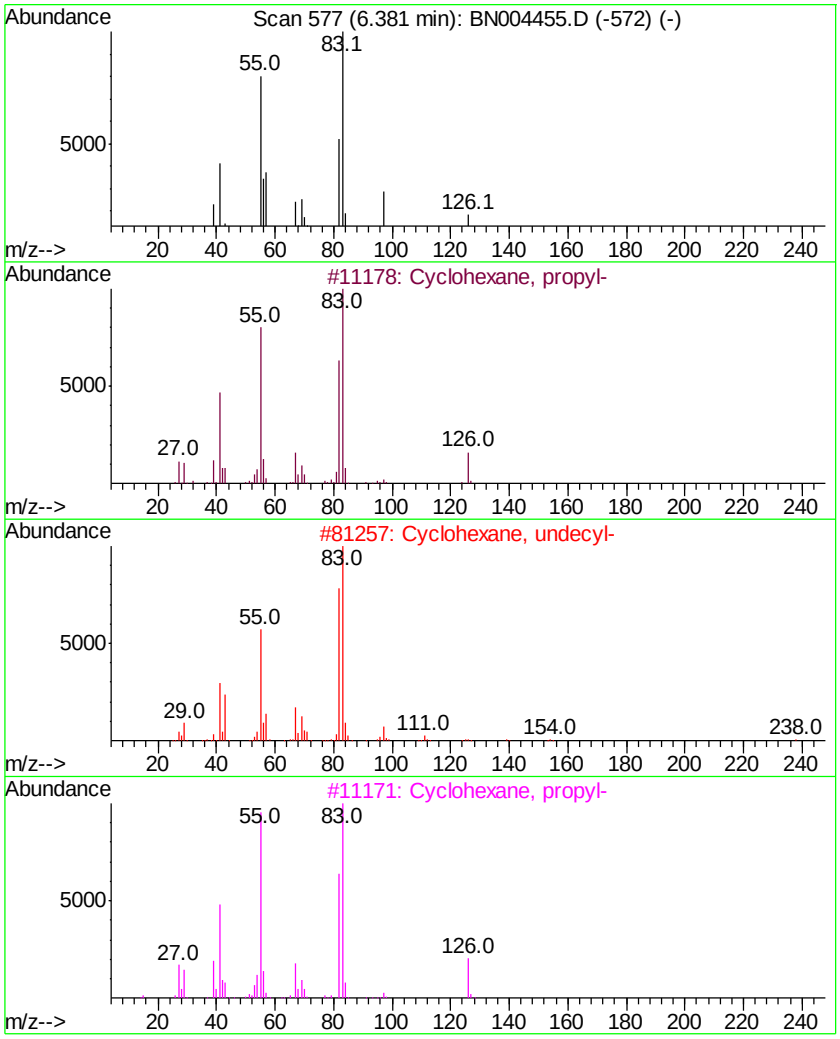
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

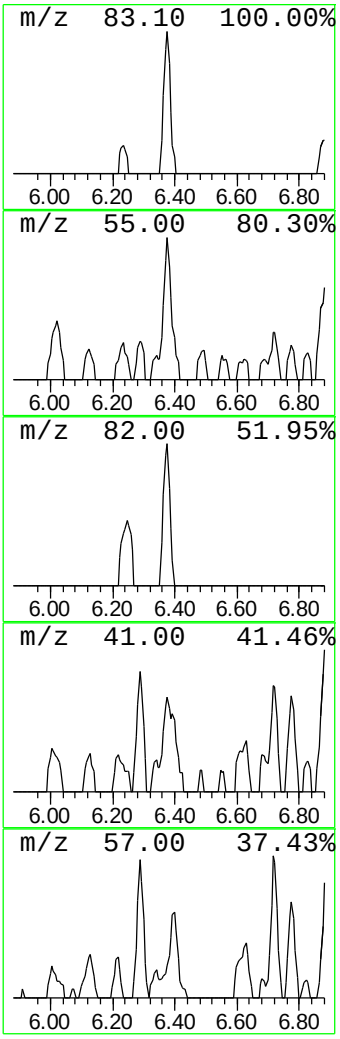
****

Peak Number 7 (DEL) Alkane: Cyclic6.38 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	6.36 ng/ul	39972	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
2	Cyclohexane, undecyl-	238	C17H34	054105-66-7	72
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021919\
Data File : BN004455.D
Acq On : 19 Feb 2019 12:09
Operator : JU/SJ
Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

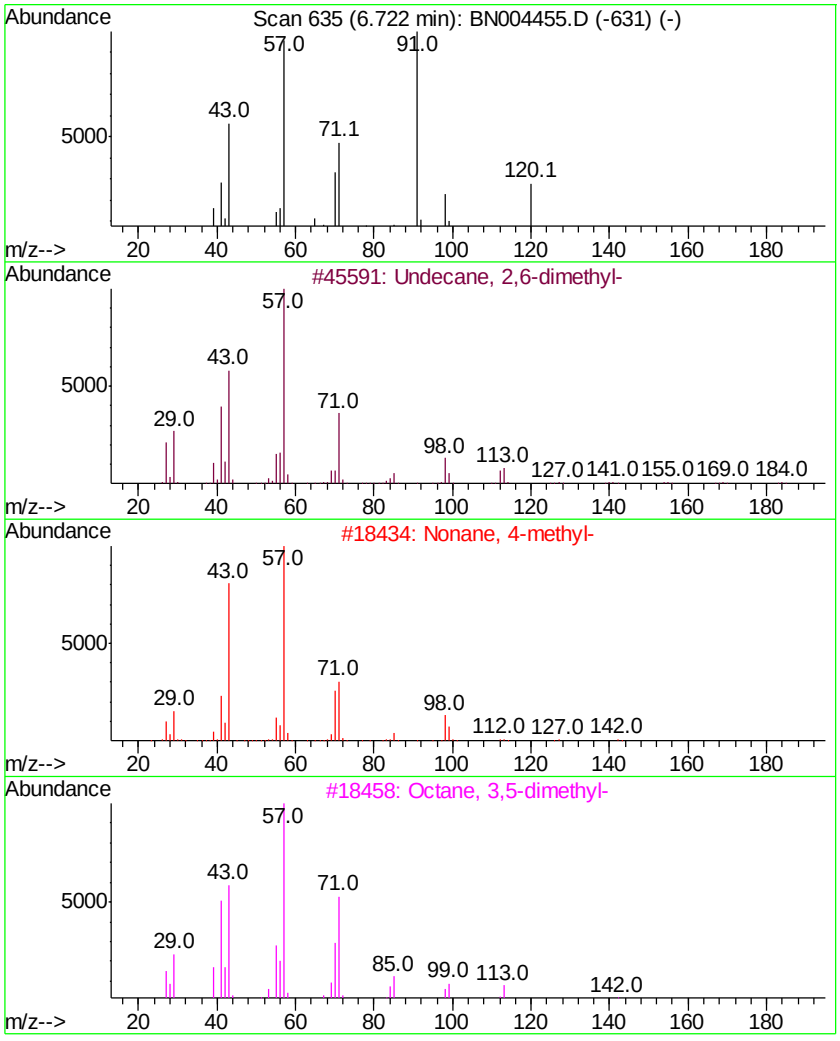
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020719MA.M
Quant Title : SVOA CALIBRATION

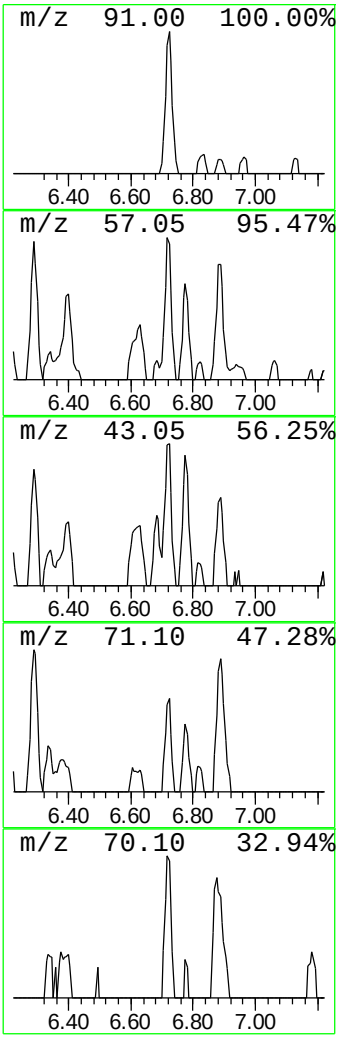
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	5.79 ng/ul	36359	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	43
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	37
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	37
4	Dodecane, 6-methyl-	184	C13H28	006044-71-9	35
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021919\
Data File : BN004455.D
Acq On : 19 Feb 2019 12:09
Operator : JU/SJ
Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020719MA.M
Quant Title : SVOA CALIBRATION

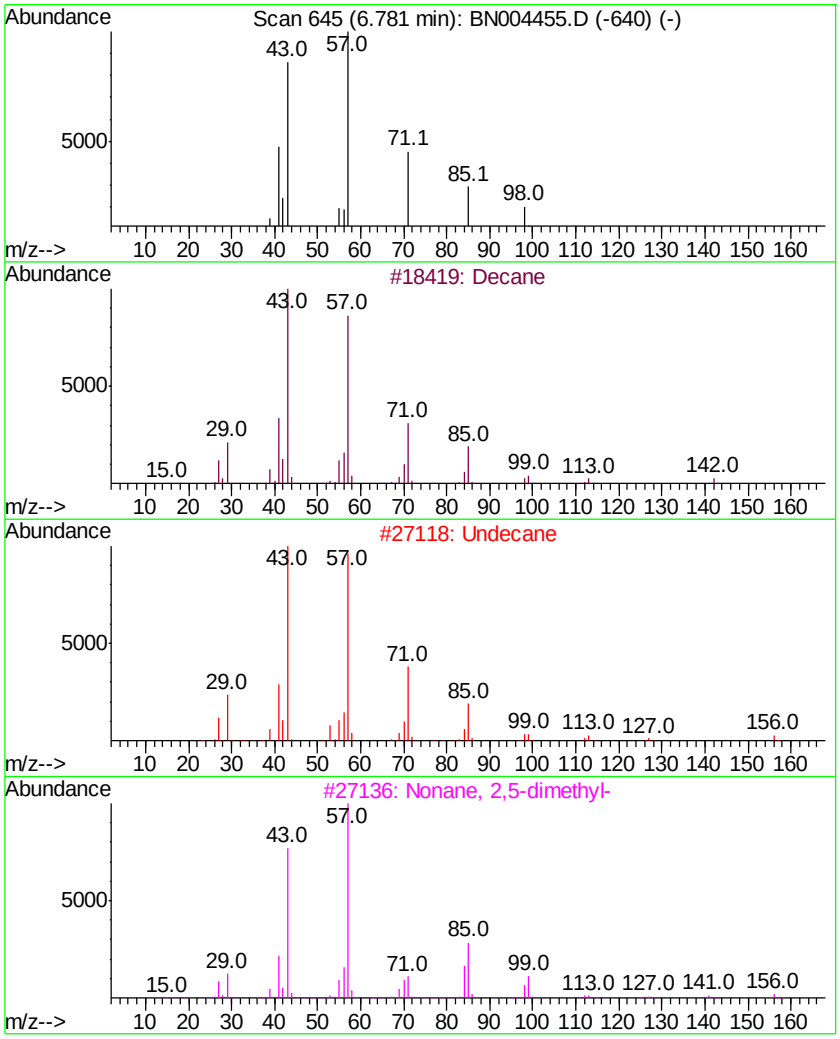
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

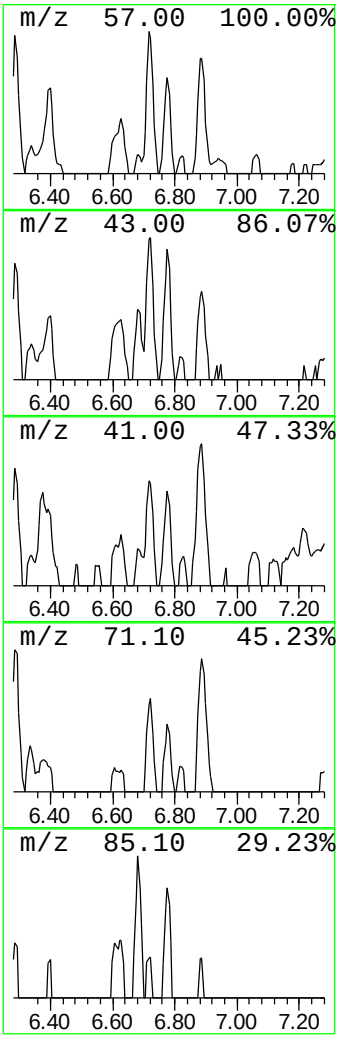
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	3.02 ng/ul	19005	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	64
2	Undecane	156	C11H24	001120-21-4	64
3	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	47
4	Decane, 5-methyl-	156	C11H24	013151-35-4	40
5	Octadecane, 6-methyl-	268	C19H40	010544-96-4	39





Library Search Compound Report

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Data File : BN004455.D
Acq On : 19 Feb 2019 12:09
Operator : JU/SJ
Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020719MA.M
Quant Title : SVOA CALIBRATION

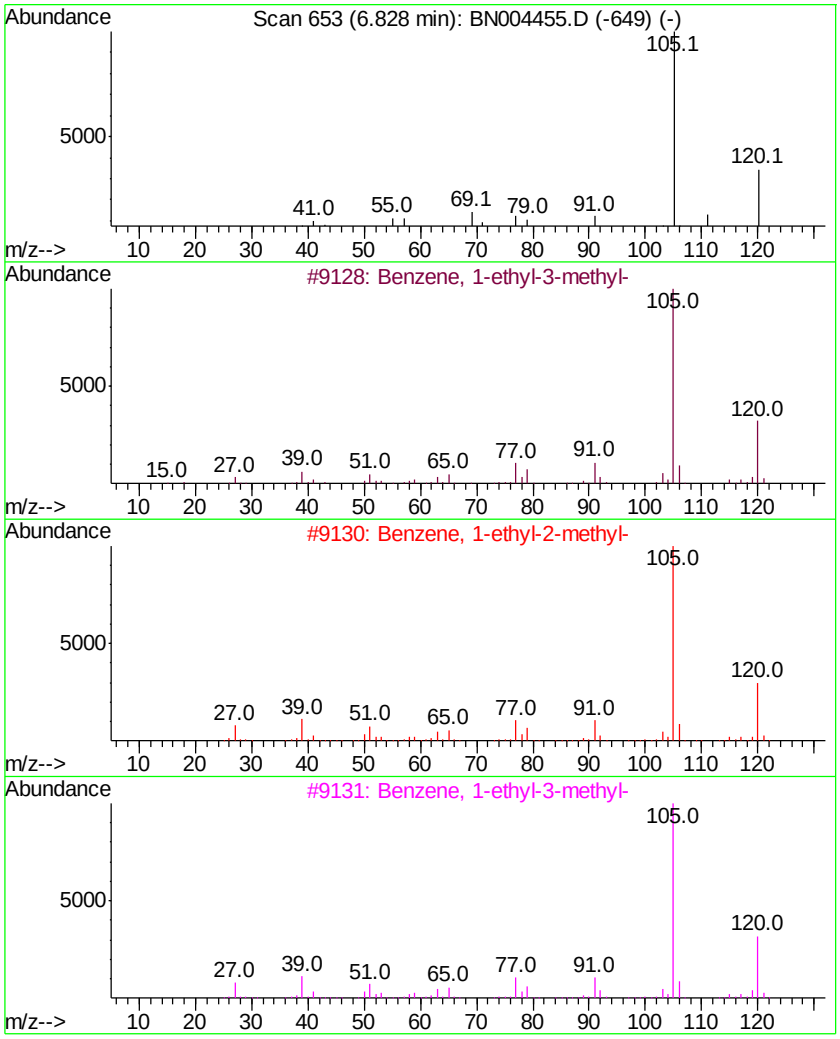
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

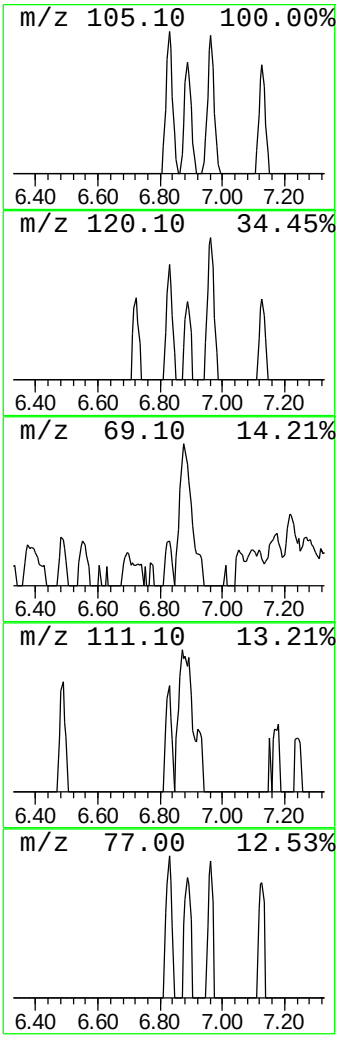
****

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	3.03 ng/ul	19052	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	58
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	58
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	58
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	58
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	53





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Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020719MA.M
Quant Title : SVOA CALIBRATION

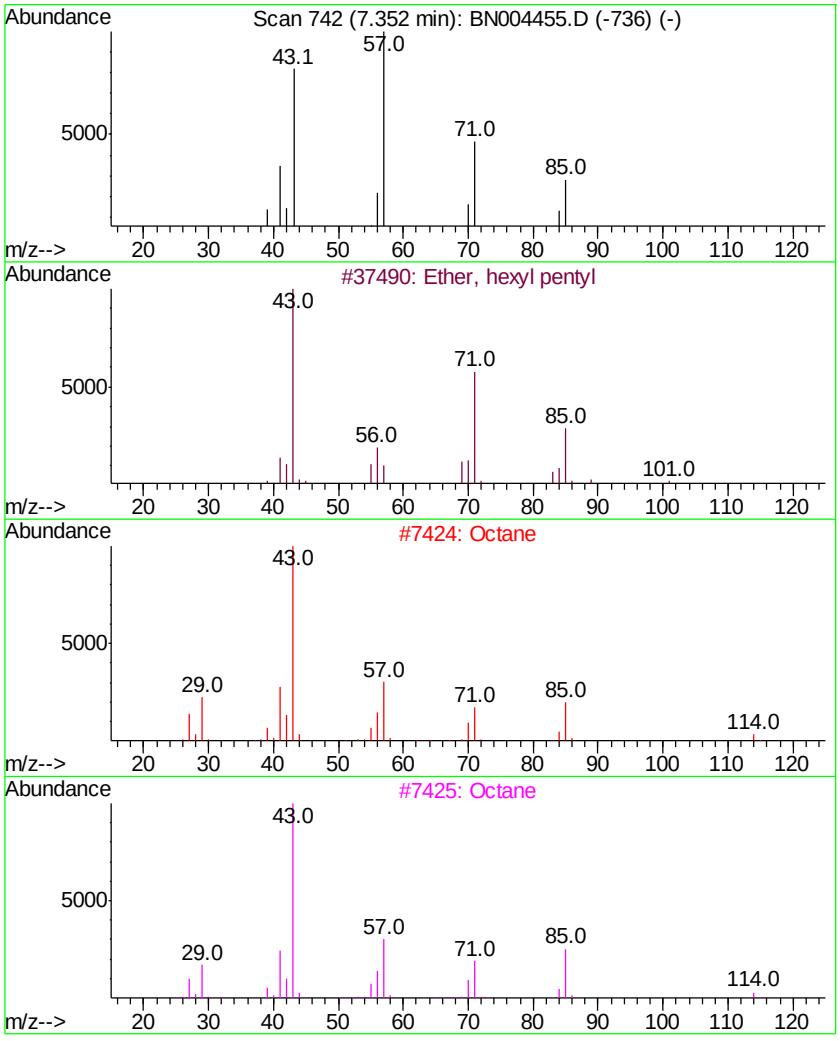
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

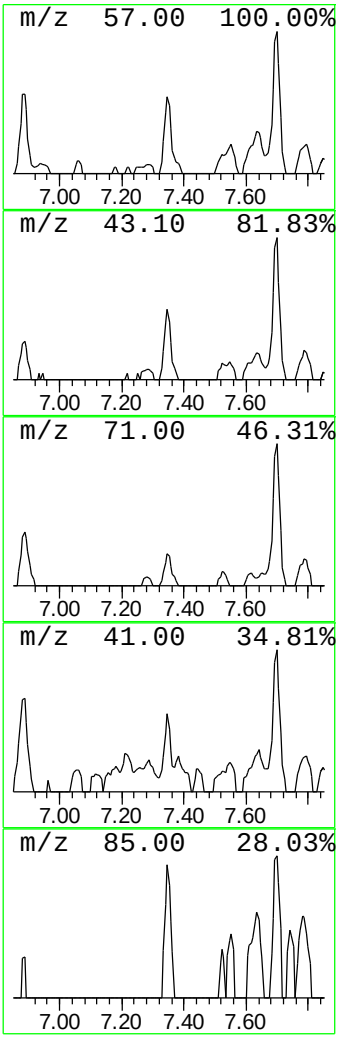
****

Peak Number 11 Ether, hexyl pentyl Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	3.20 ng/ul	20128	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether, hexyl pentyl	172	C11H24O	032357-83-8	78
2	Octane	114	C8H18	000111-65-9	59
3	Octane	114	C8H18	000111-65-9	59
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	56
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	40





Library Search Compound Report

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Operator : JU/SJ
Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

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Quant Title : SVOA CALIBRATION

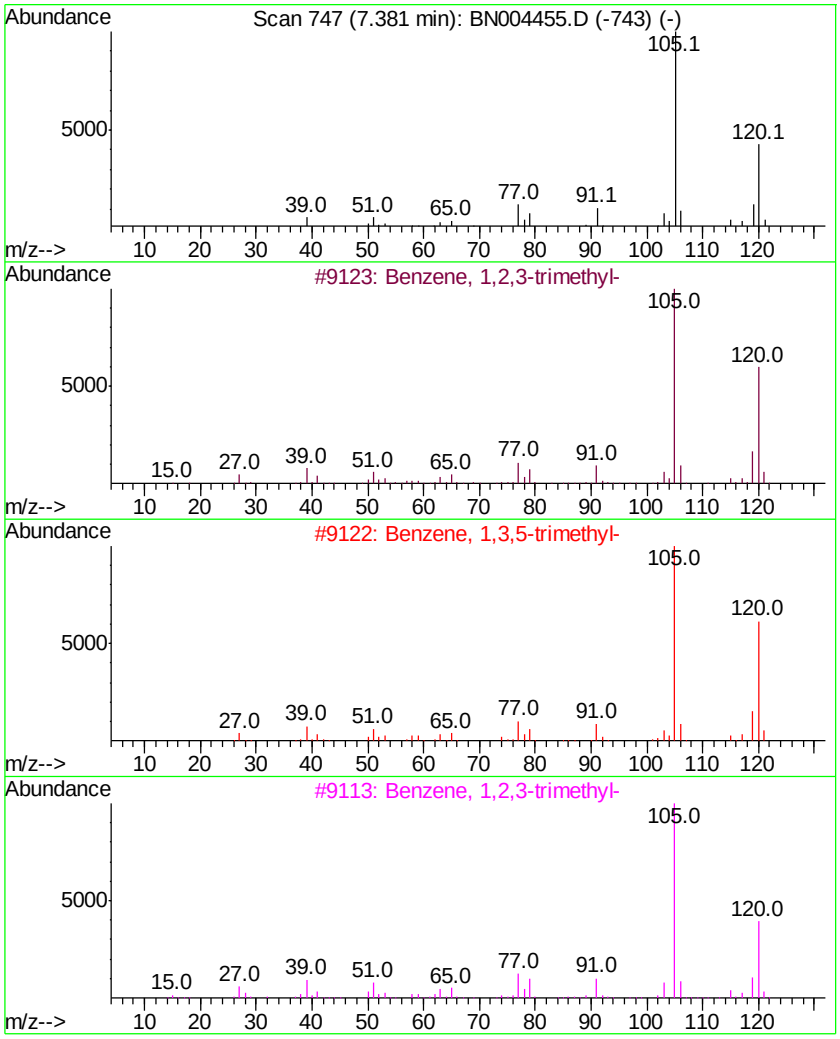
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

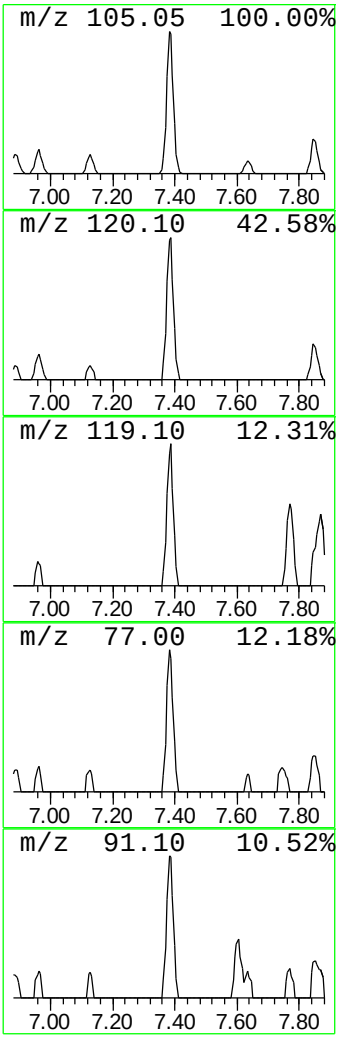
****

Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.38	17.82 ng/ul	111998	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	97
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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Acq On : 19 Feb 2019 12:09
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Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020719MA.M
Quant Title : SVOA CALIBRATION

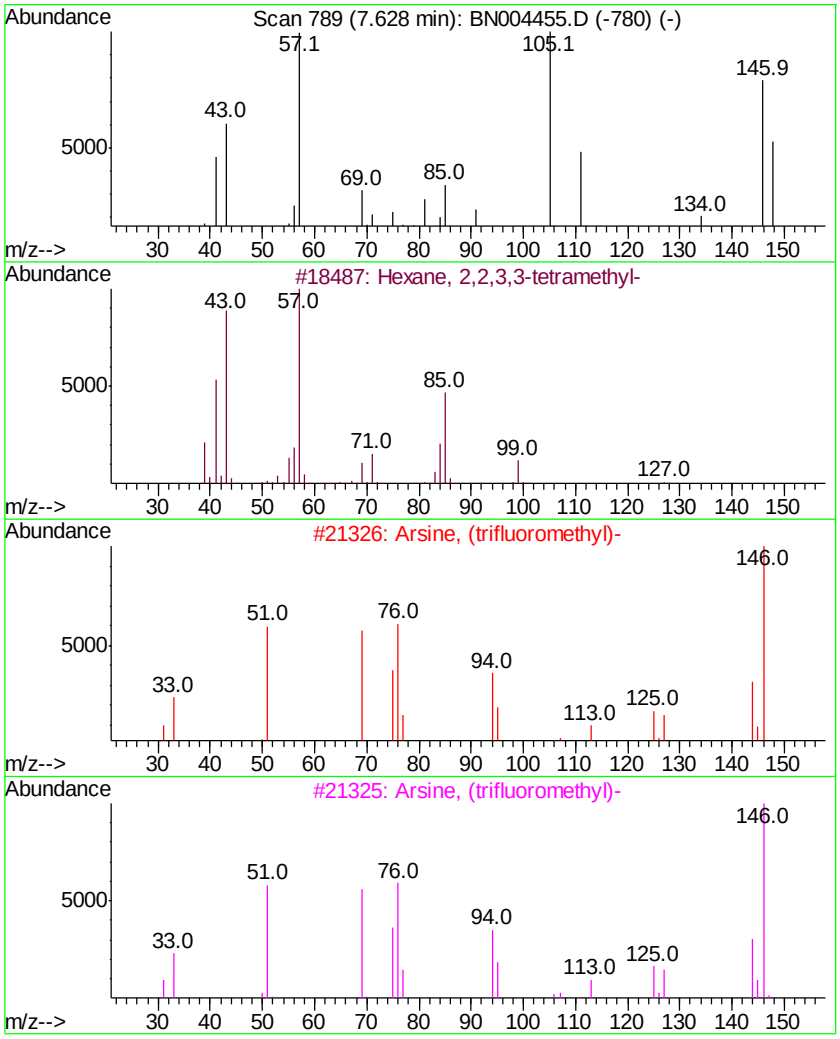
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

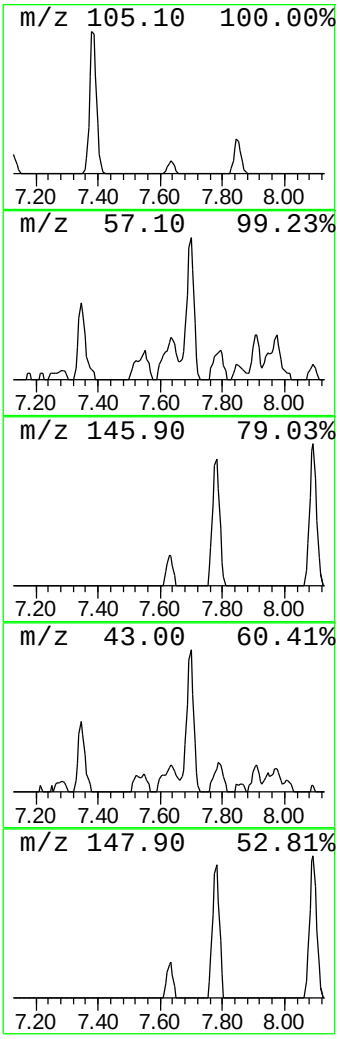
****

Peak Number 13 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	6.52 ng/ul	40974	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	14
2	Arsine, (trifluoromethyl)-	146	CH2AsF3	000420-42-8	9
3	Arsine, (trifluoromethyl)-	146	CH2AsF3	000420-42-8	9
4	Heptane, 3-methyl-	114	C8H18	000589-81-1	9
5	1-Hexanol, 3,5,5-trimethyl-	144	C9H20O	003452-97-9	9





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Operator : JU/SJ
Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020719MA.M
Quant Title : SVOA CALIBRATION

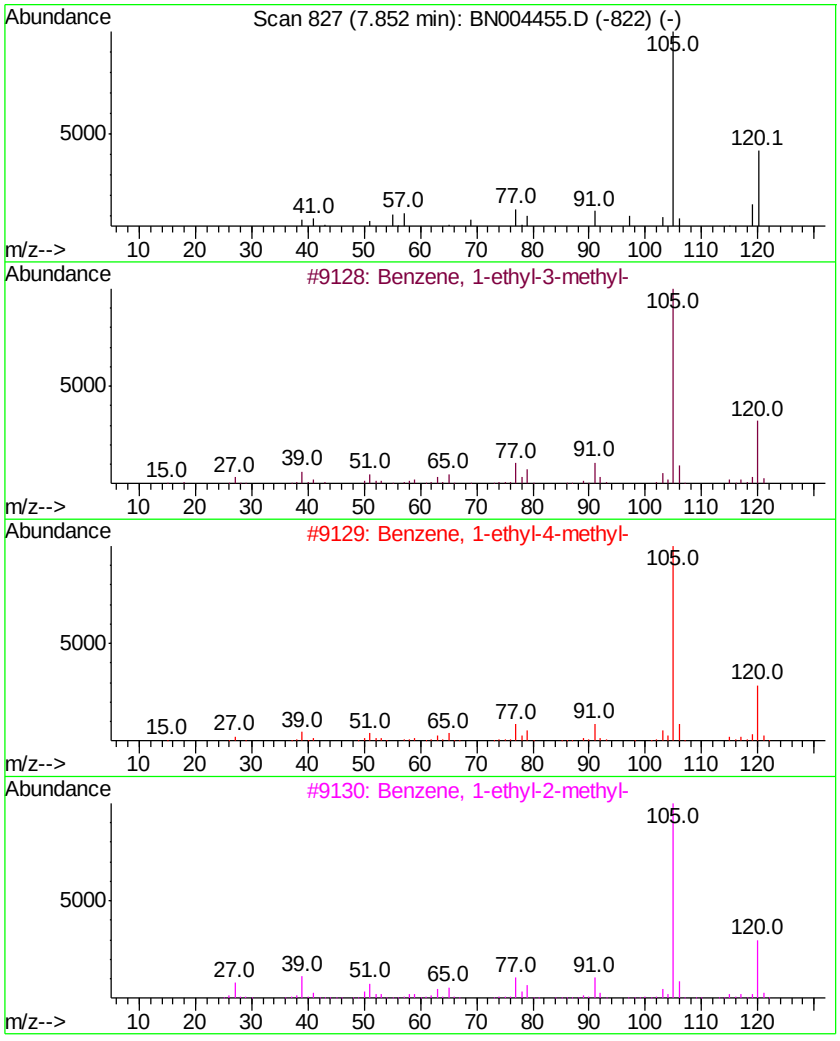
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

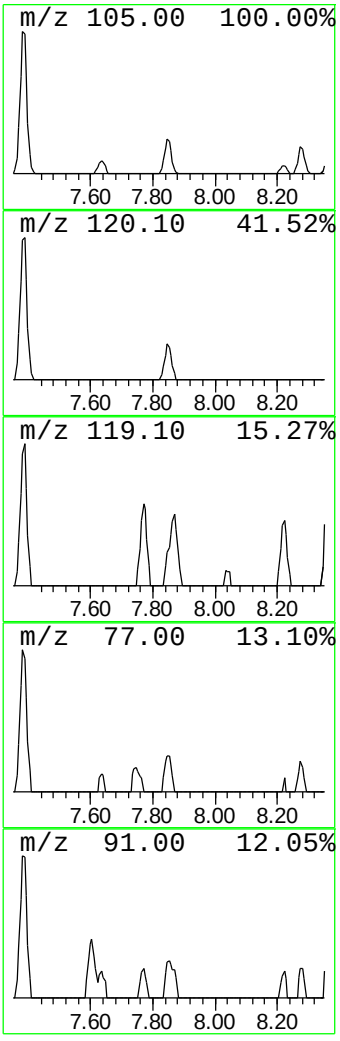
****

Peak Number 14 Benzene, 1-ethyl-3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	5.56 ng/ul	34941	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	72
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	72
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	72
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	72
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	72





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Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020719MA.M
Quant Title : SVOA CALIBRATION

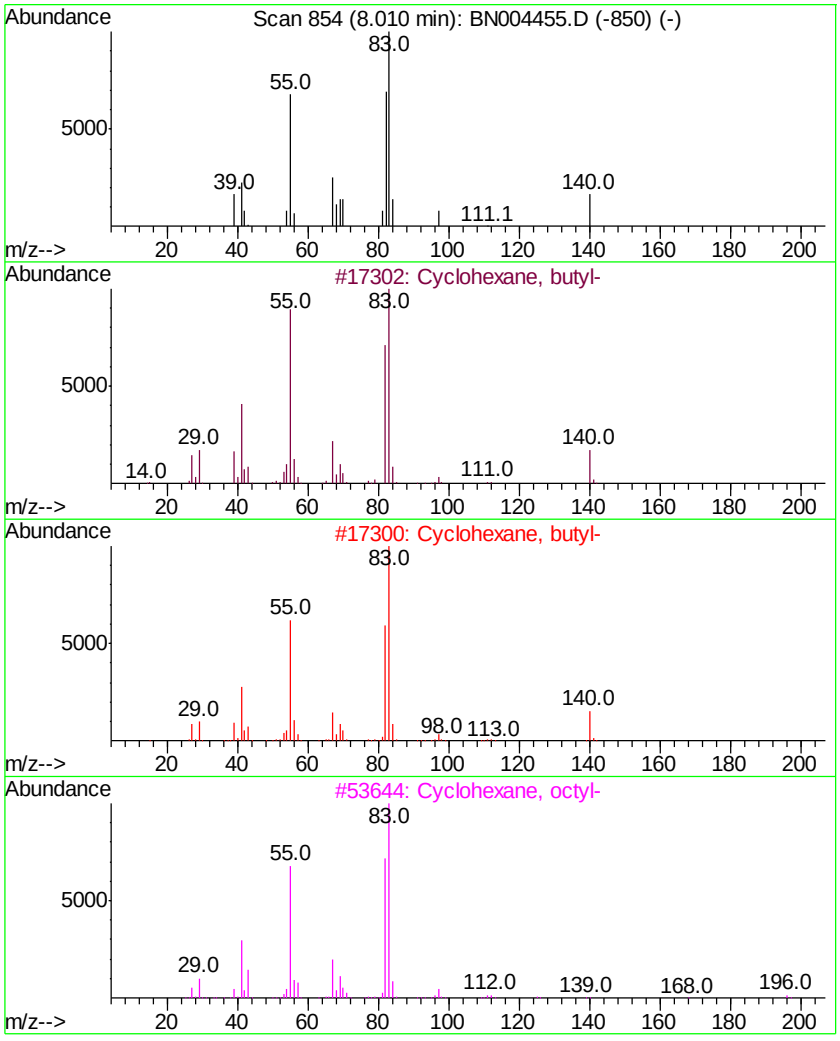
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

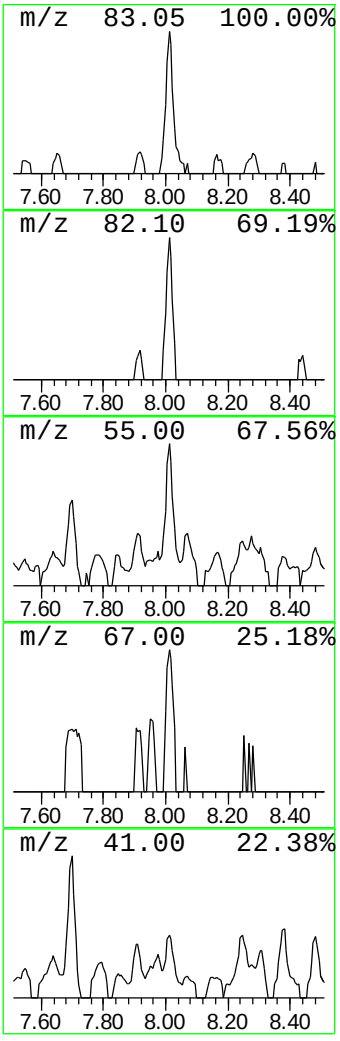
****

Peak Number 15 (DEL) Alkane: Cyclic8.01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	4.43 ng/ul	27858	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	86
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	80
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	78
4	Cyclohexane, undecyl-	238	C17H34	054105-66-7	72
5	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	72





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Misc :
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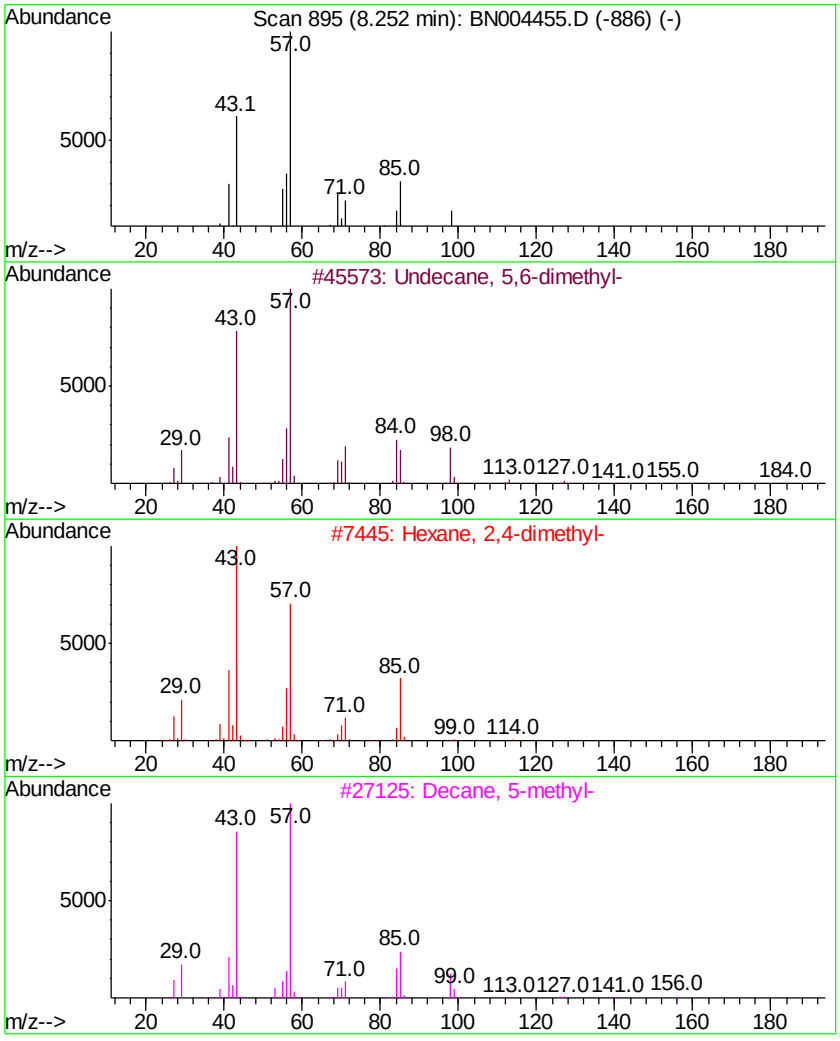
Quant Title : SVOA CALIBRATION

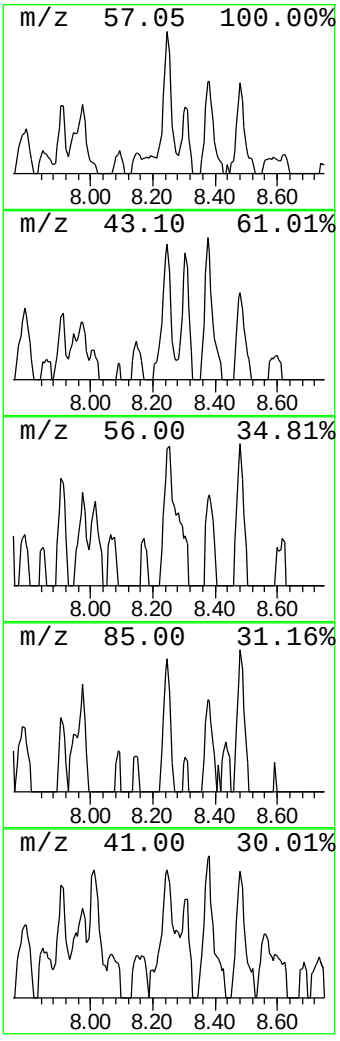
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	6.28 ng/ul	39462	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	59
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
3	Decane, 5-methyl-	156	C11H24	013151-35-4	50
4	Hexane, 1-(hexyloxy)-3-methyl-	200	C13H28O	074421-18-4	38
5	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	38





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Misc :
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Instrument : BNA_N
ClientSampleId : BE801

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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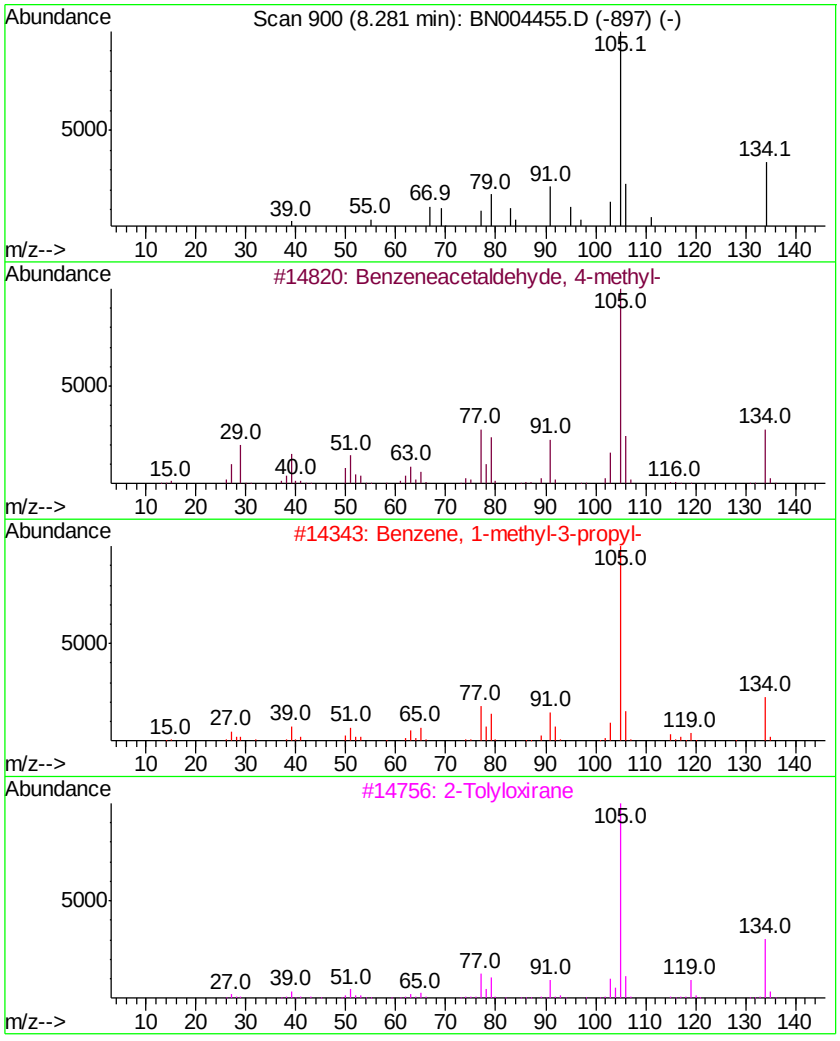
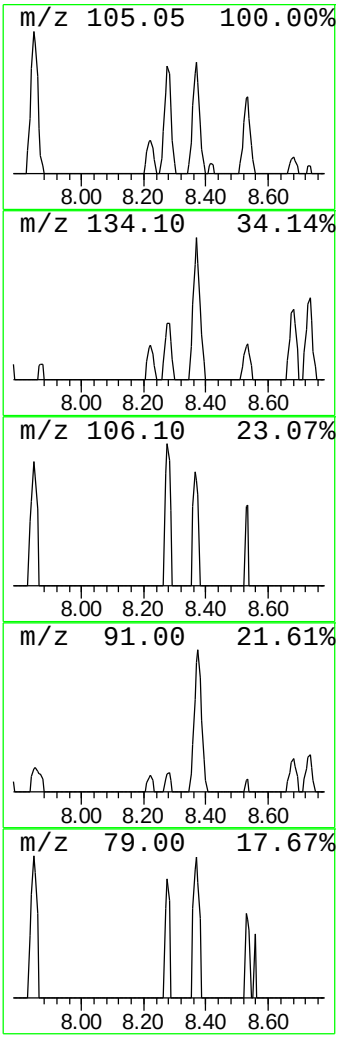
Peak Number 18 Benzeneacetaldehyde, 4-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	3.01 ng/ul	18932	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, 4-methyl-	134	C9H10O	000104-09-6	59
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	53
3	2-Tolyloxirane	134	C9H10O	002783-26-8	42
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	9
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	9





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Quant Title : SVOA CALIBRATION

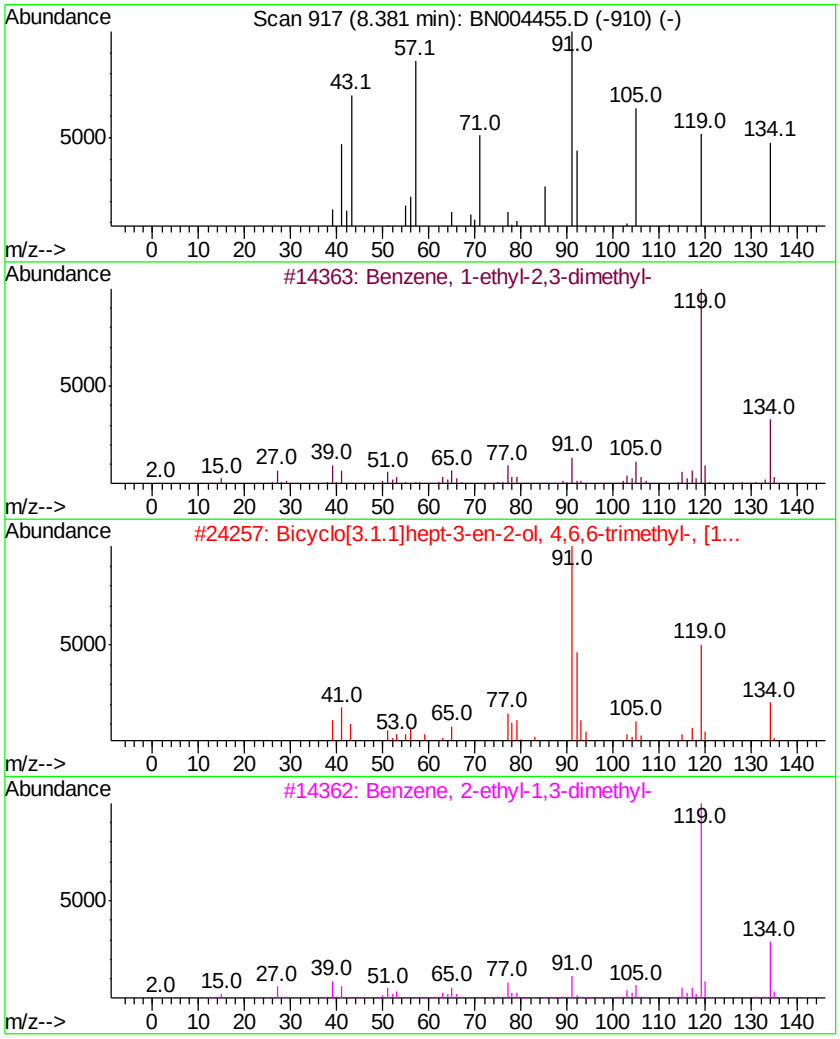
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

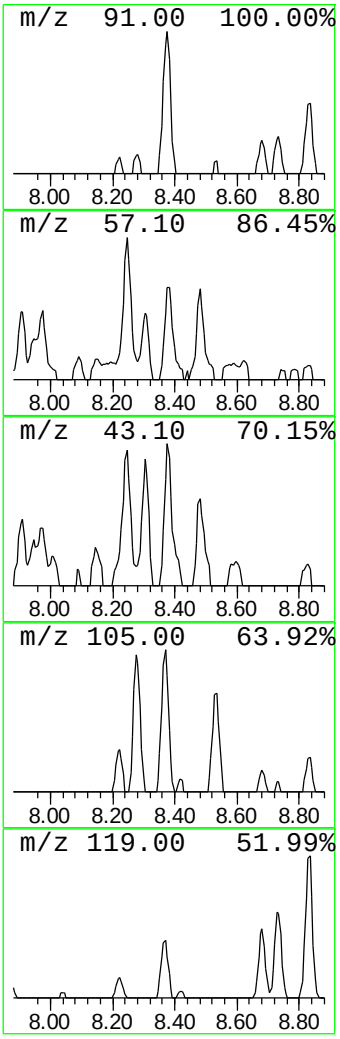
****

Peak Number 19 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	10.73 ng/ul	67411	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	49
2	Bicyclo[3.1.1]hept-3-en-2-ol, 4,...	152	C10H16O	018881-04-4	47
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	35
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	27
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	27





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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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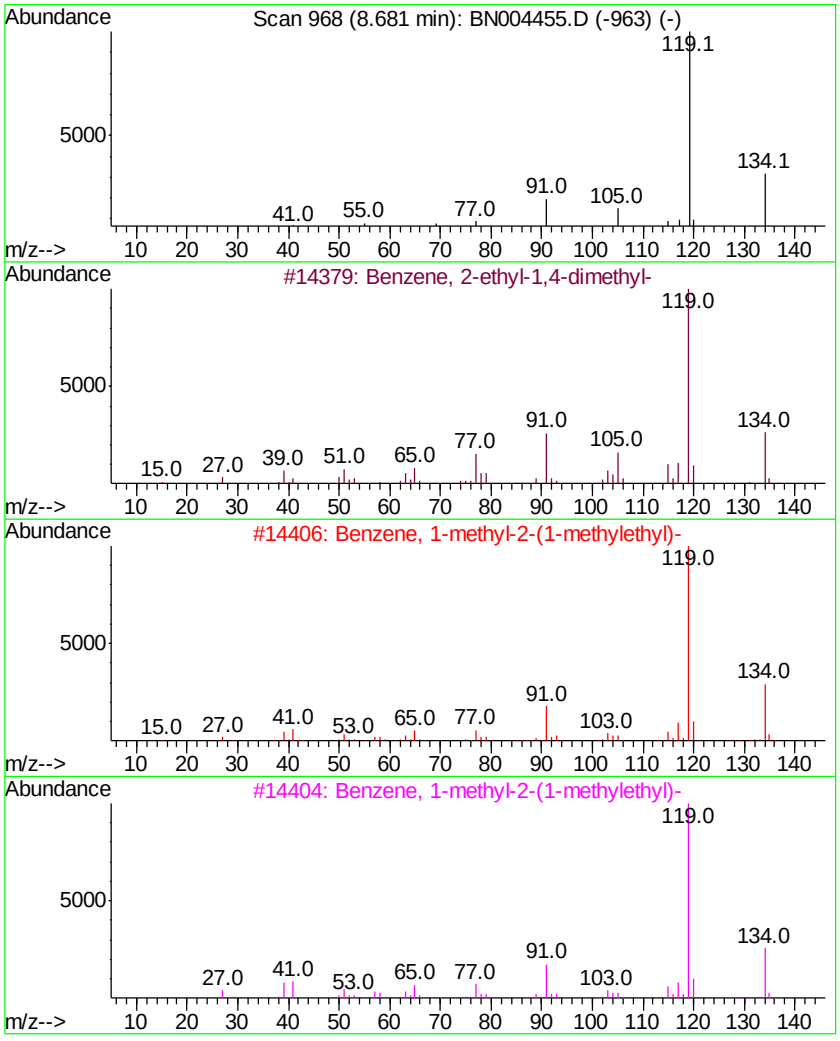
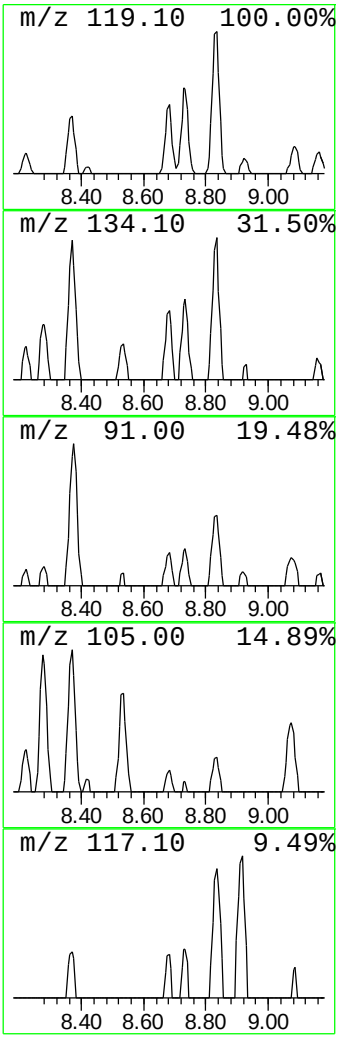
Peak Number 20 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	3.03 ng/ul	19033	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	86
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	86
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	86
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	86





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Sample : K1455-01 10X
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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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Peak Number 22 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	9.37 ng/ul	58875	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87
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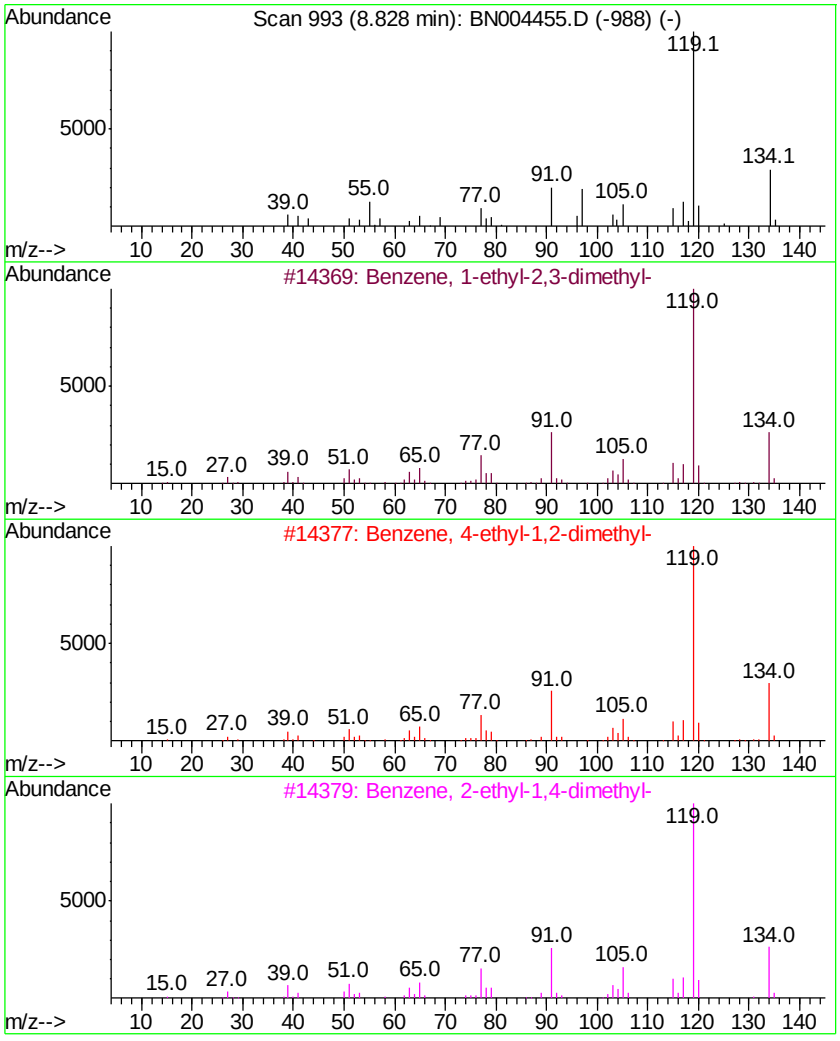

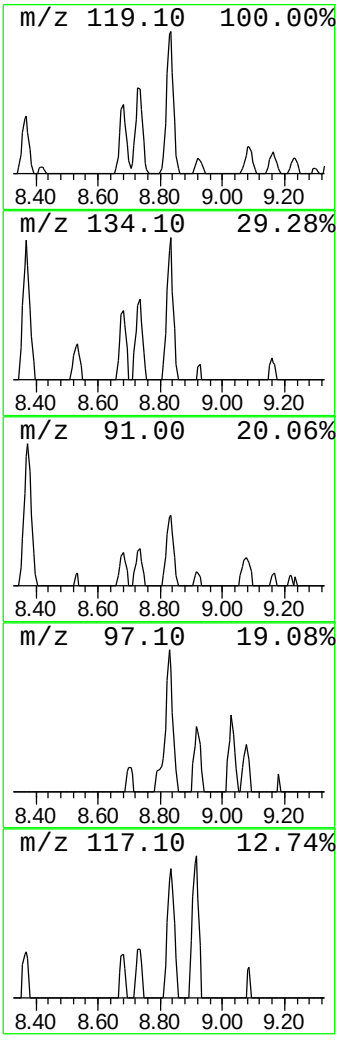

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ClientSampleId : BE801

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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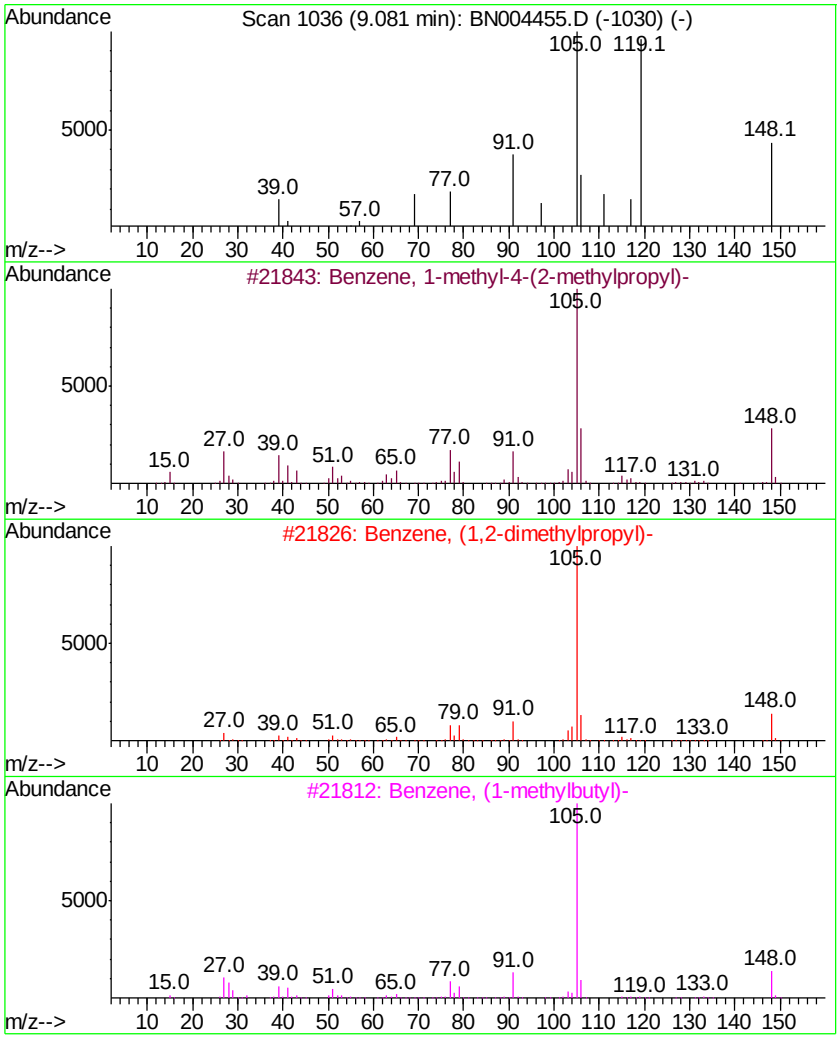
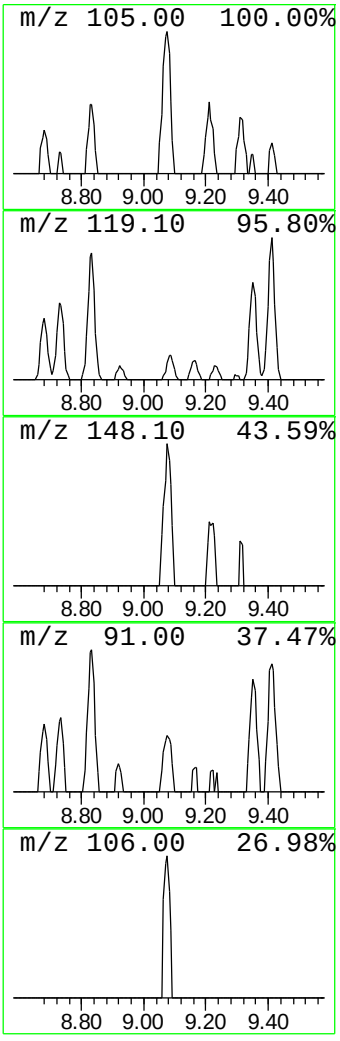
Peak Number 23 unknown-03 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	3.79 ng/ul	23784	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	38
2	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	9
3	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	9
4	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	9
5	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	9





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Data File : BN004455.D
Acq On : 19 Feb 2019 12:09
Operator : JU/SJ
Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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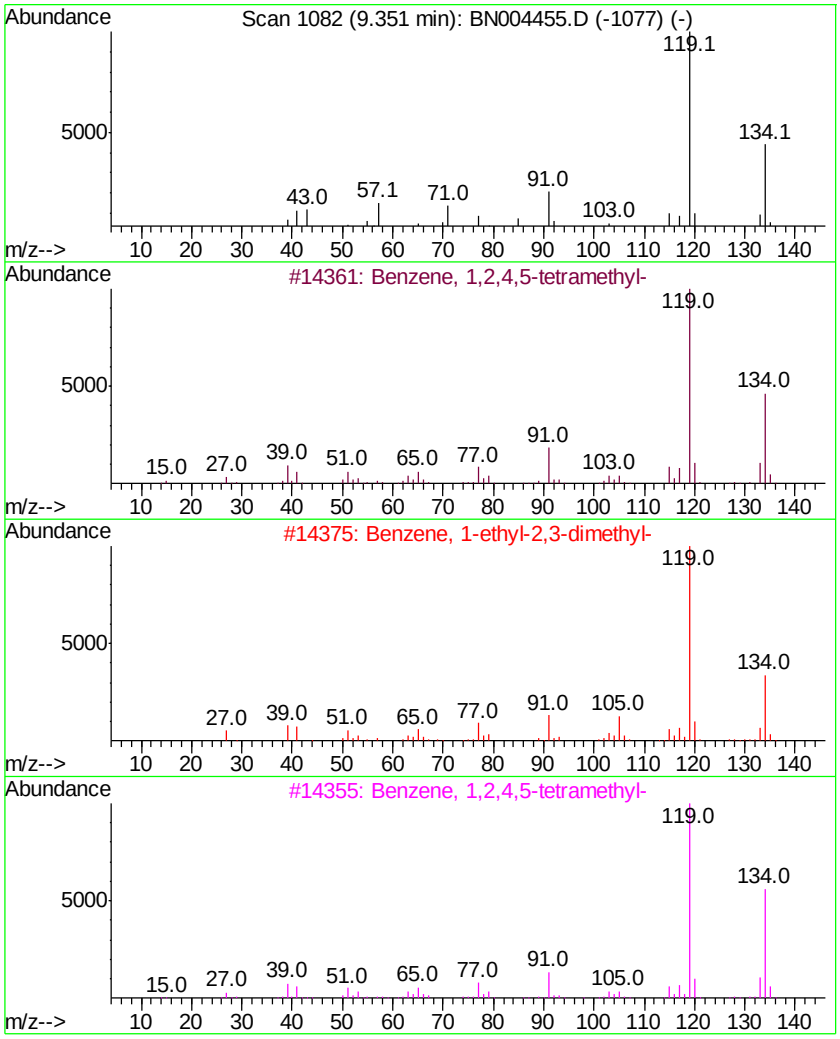
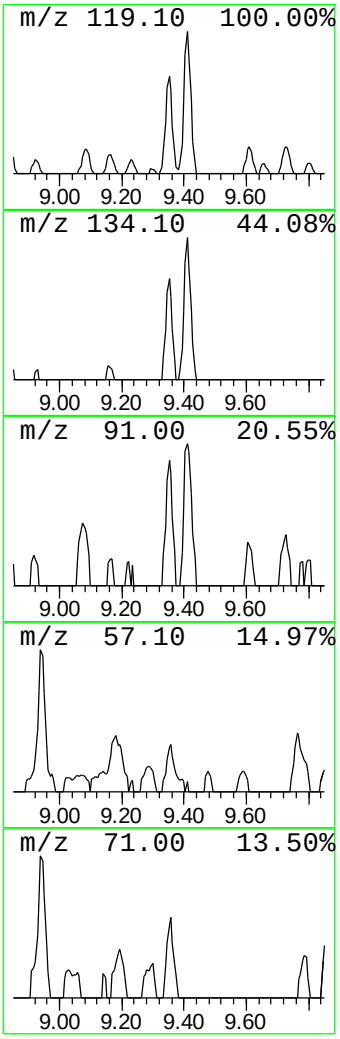
Peak Number 24 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	3.16 ng/ul	38657	Naphthalene-d8	10.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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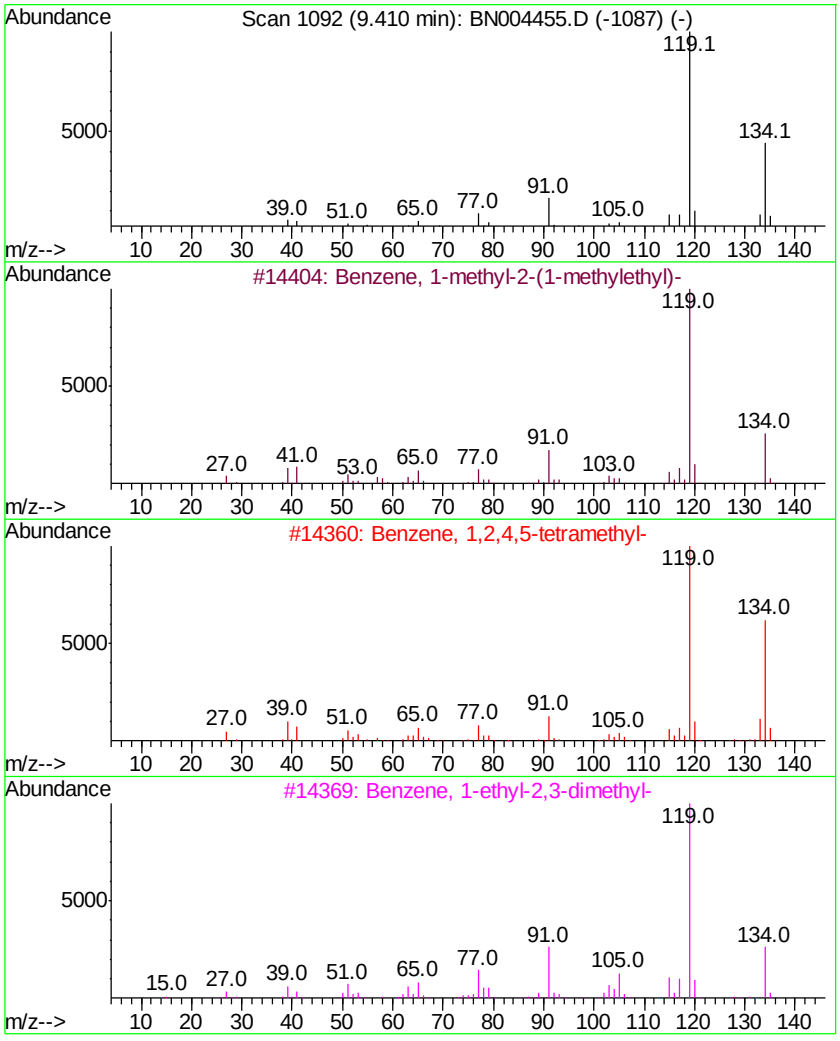
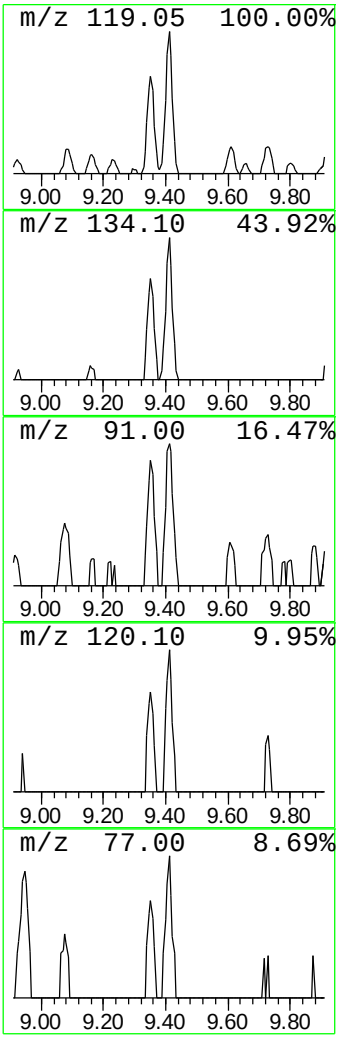
Peak Number 25 Benzene, 1-methyl-2-(1-meth... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	4.03 ng/ul	49191	Naphthalene-d8	10.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	91
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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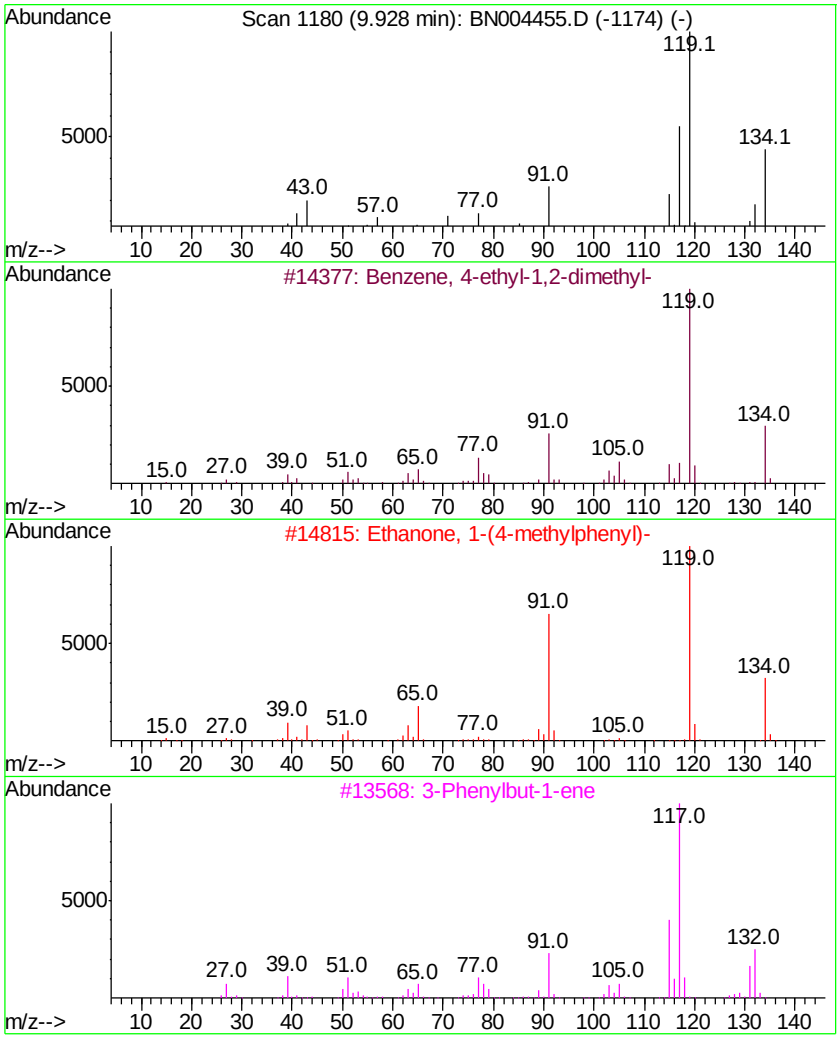
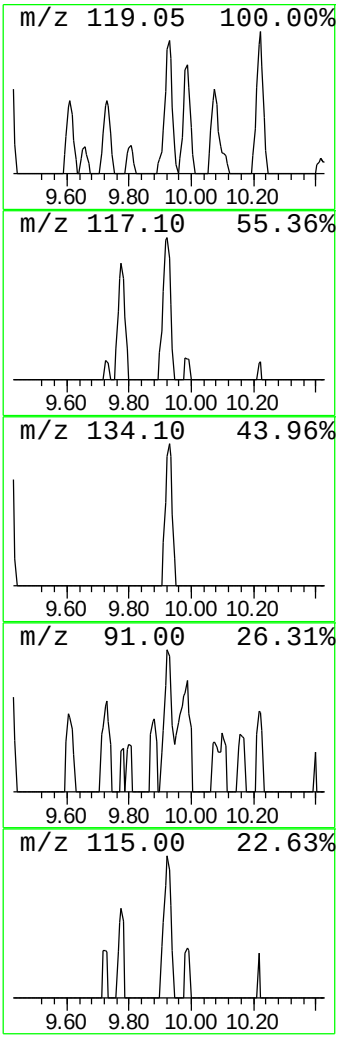
Peak Number 26 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	2.66 ng/ul	32542	Naphthalene-d8	10.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
2	Ethanone, 1-(4-methylphenyl)-	134	C9H10O	000122-00-9	46
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	30
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	30
5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	27





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

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Quant Title : SVOA CALIBRATION

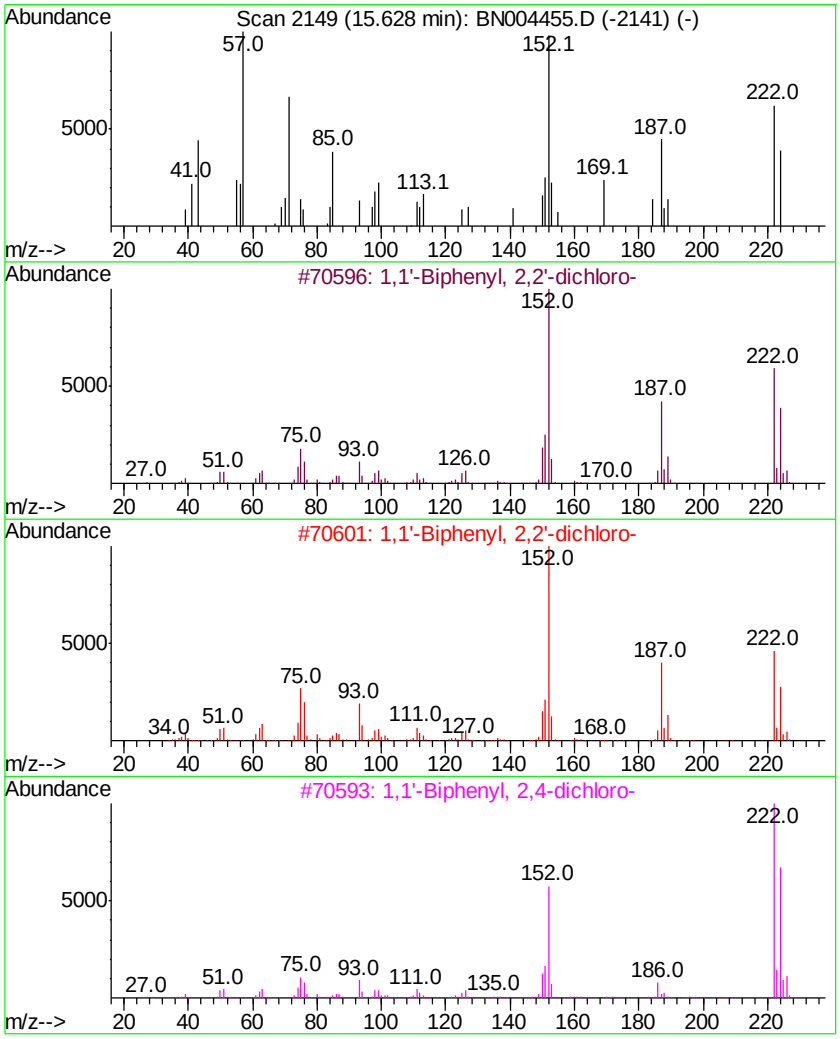
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

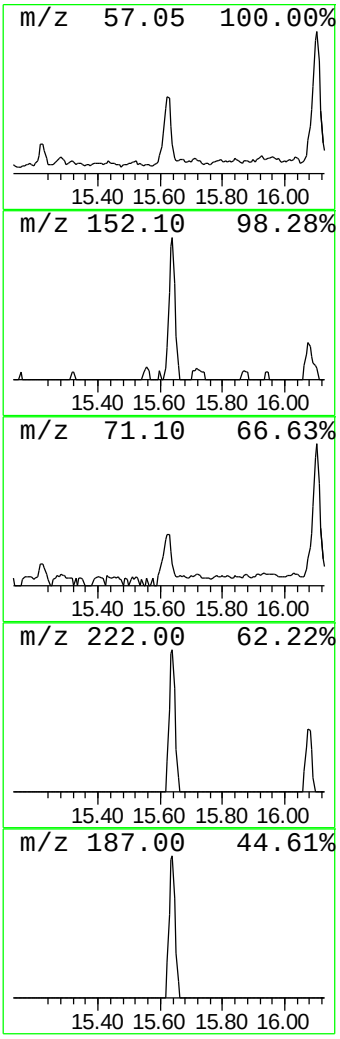
****

Peak Number 28 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	3.54 ng/ul	68364	Acenaphthene-d10	14.38

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	98
3	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	97
4	1,1'-Biphenyl, 3,4-dichloro-	222	C12H8Cl2	002974-92-7	96
5	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	96





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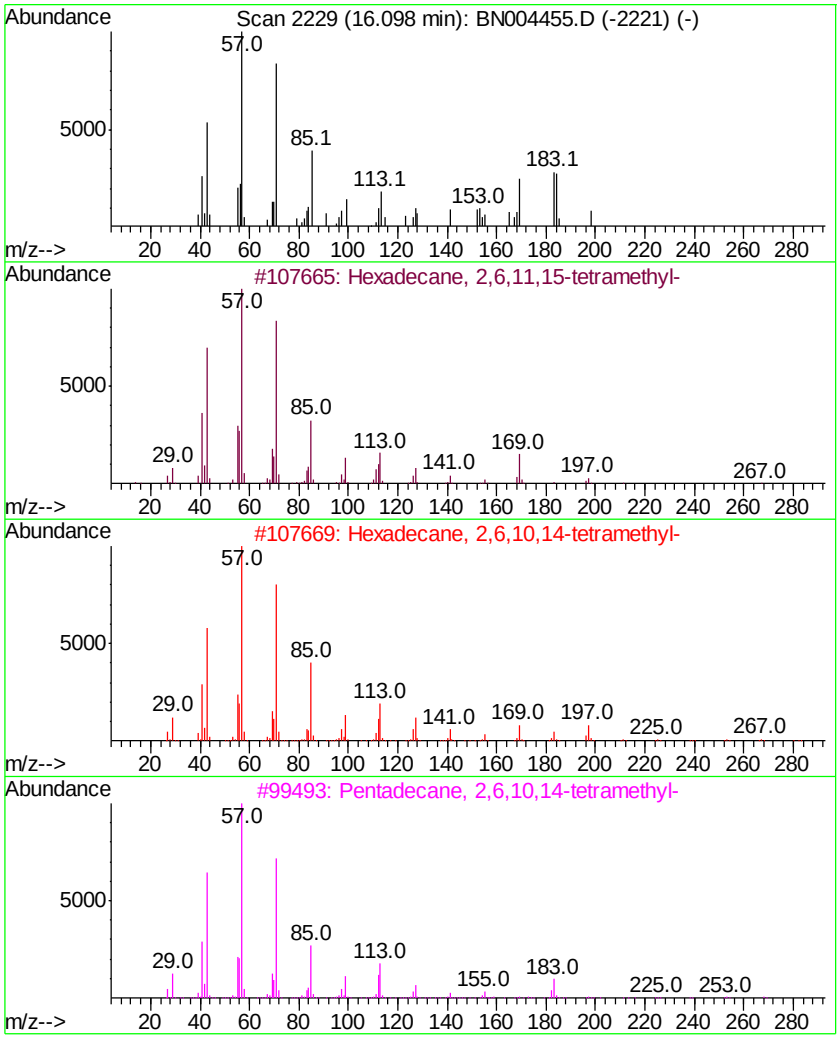
Quant Title : SVOA CALIBRATION

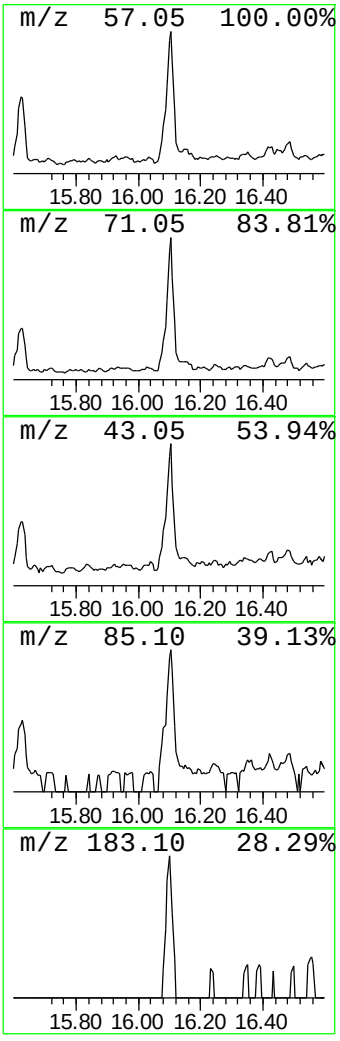
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	3.12 ng/ul	86291	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	72
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
4	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	58
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	58





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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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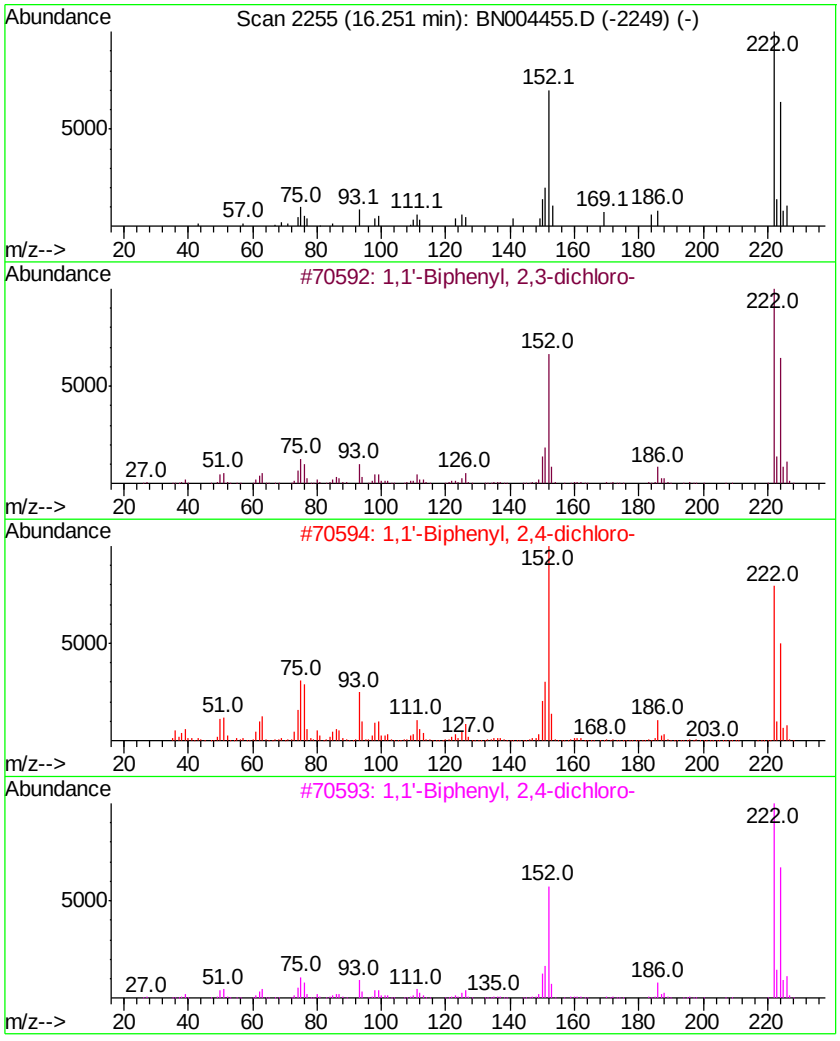
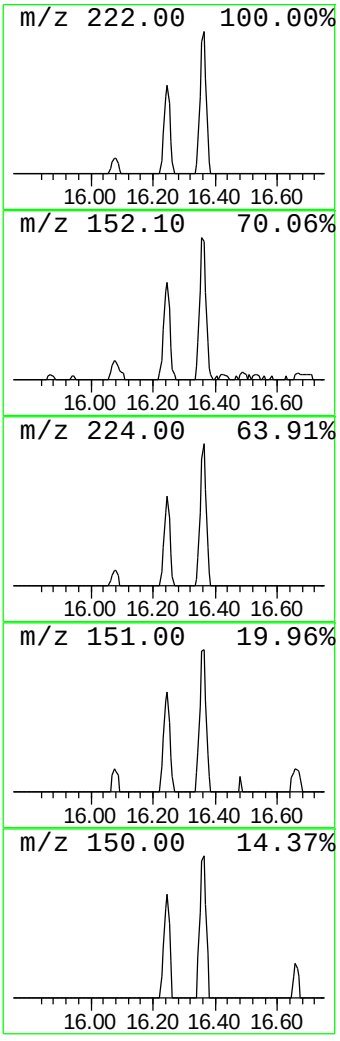
Peak Number 30 1,1'-Biphenyl, 2,3-dichloro- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.25	2.23 ng/ul	61647	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99
2	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	99
3	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	98
4	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	98
5	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	97





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Sample : K1455-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BE801

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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Peak Number 32 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	4.94 ng/ul	136741	Phenanthrene-d10	17.13

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',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	95
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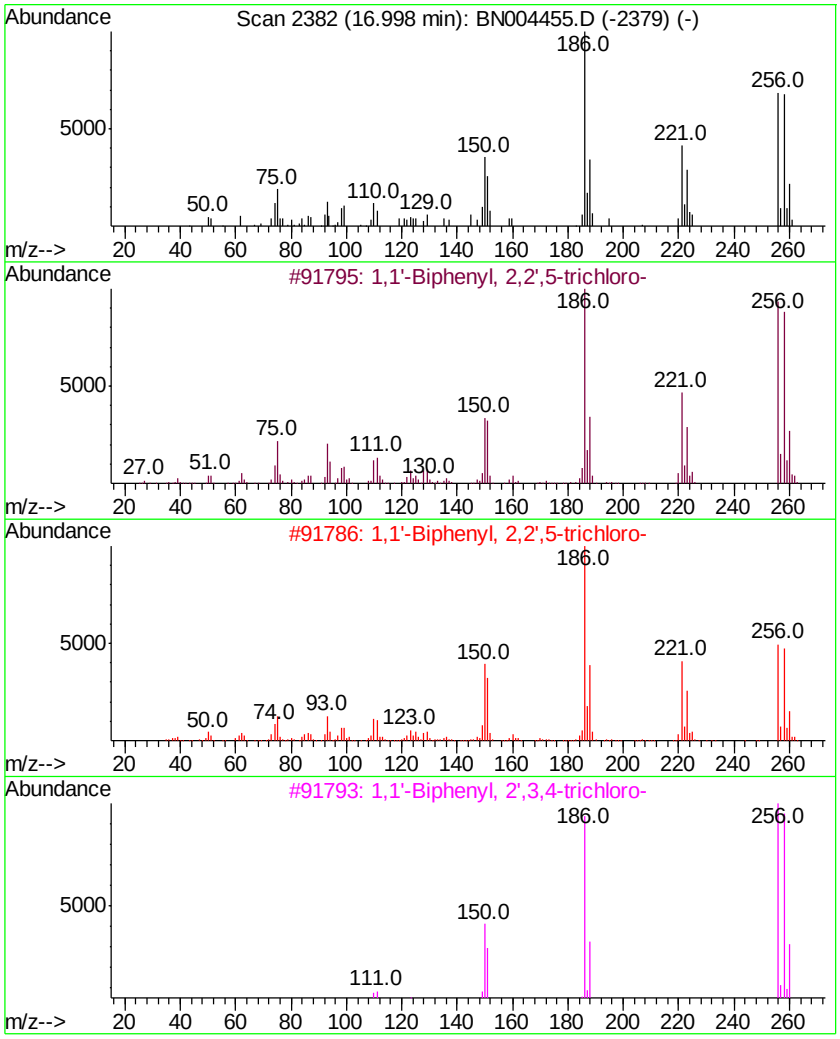

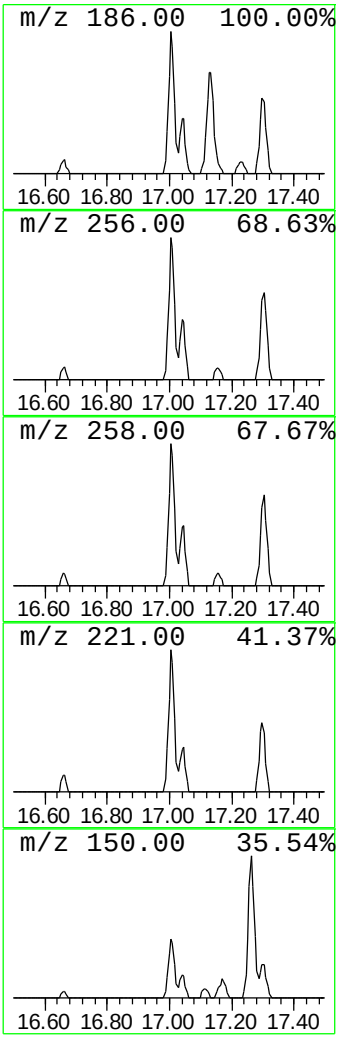

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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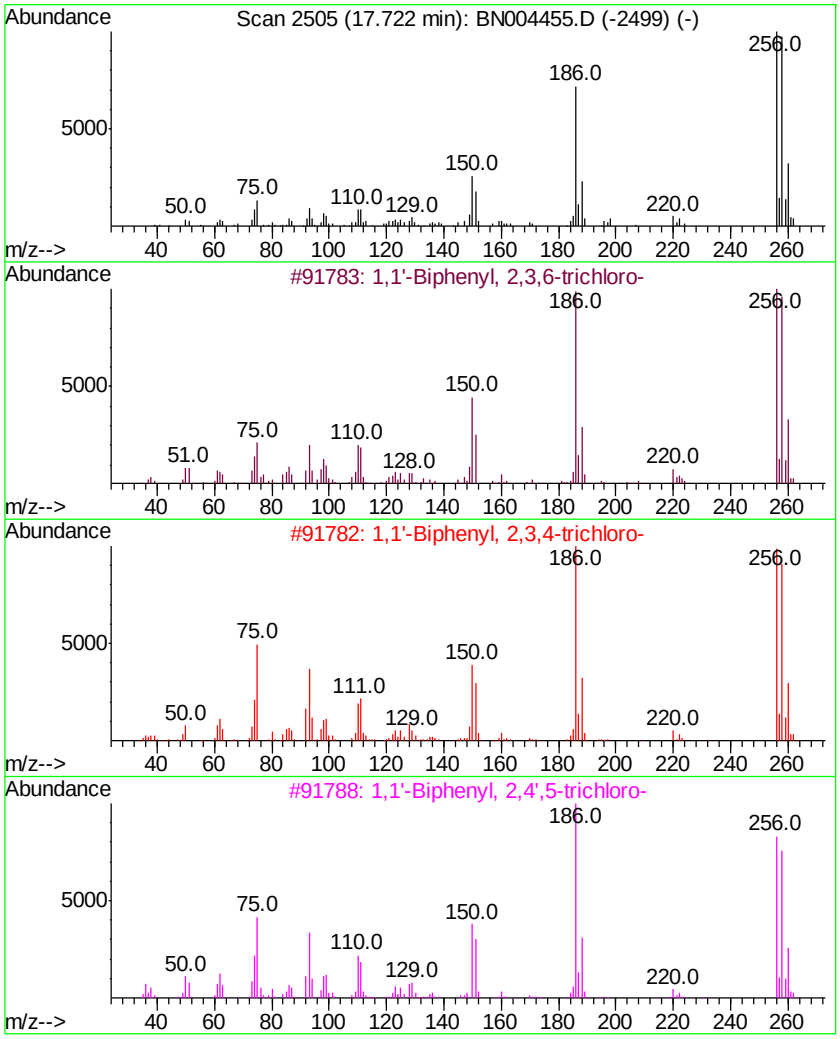
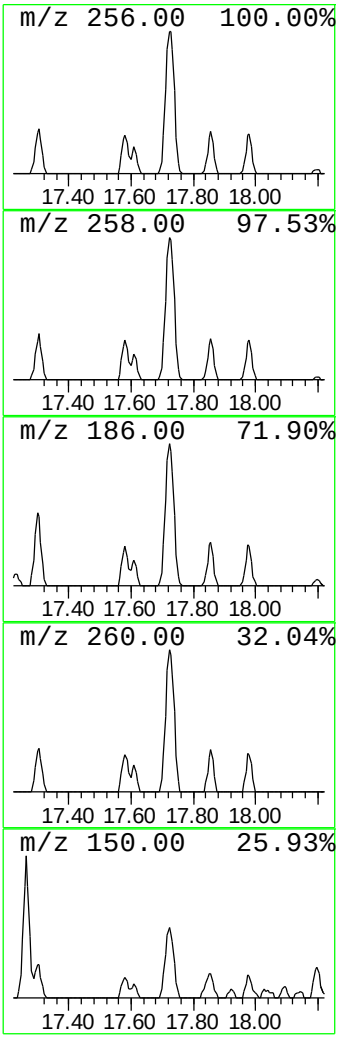
Peak Number 33 1,1'-Biphenyl, 2,3,6-trichl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	9.05 ng/ul	250294	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	99
2	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
3	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
5	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	98





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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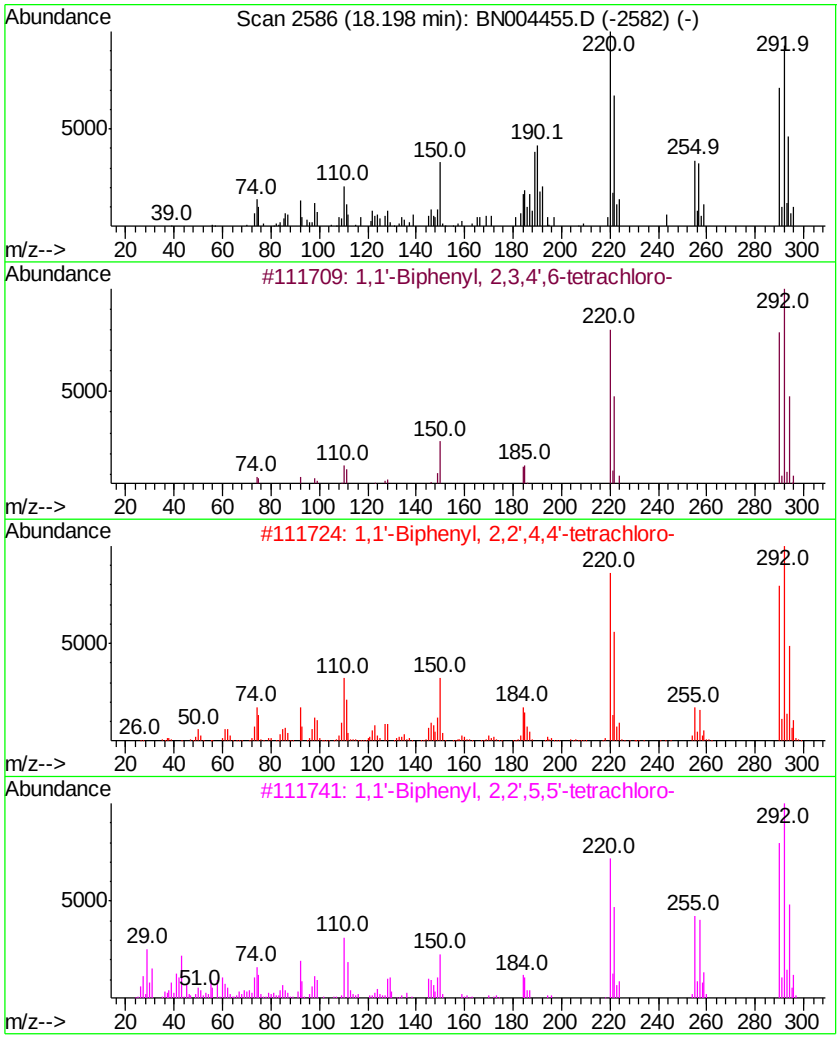
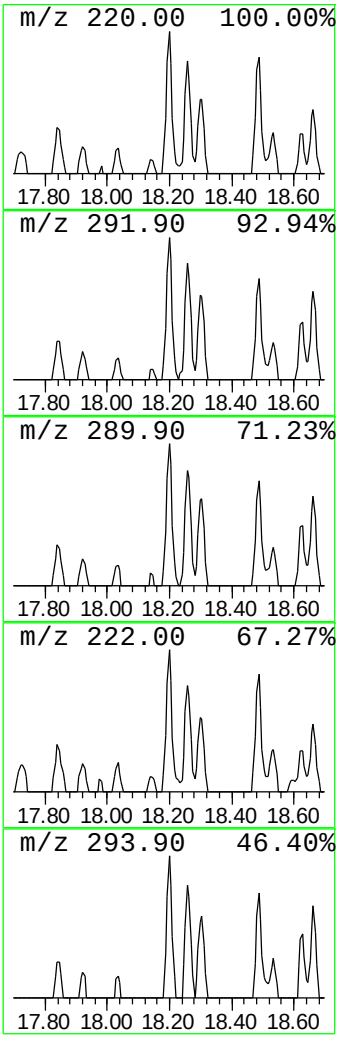
Peak Number 35 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	3.47 ng/ul	95873	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	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\NIST02.L
TIC Integration Parameters: LSCINT.P

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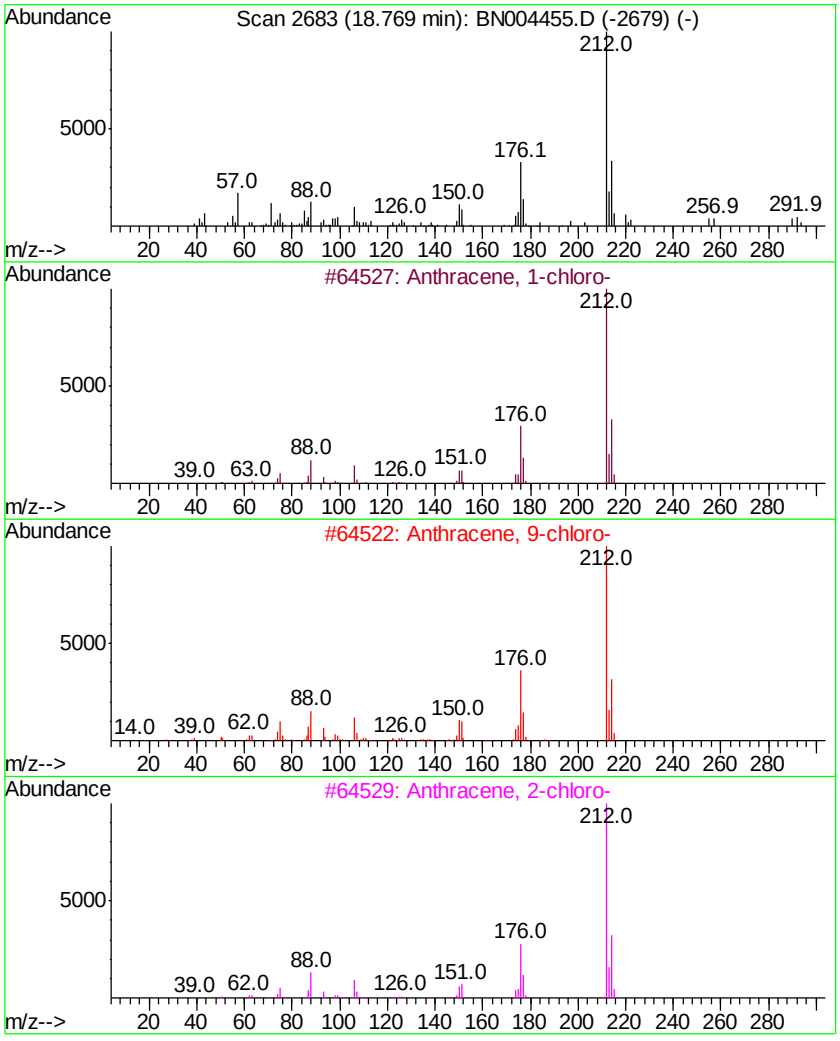
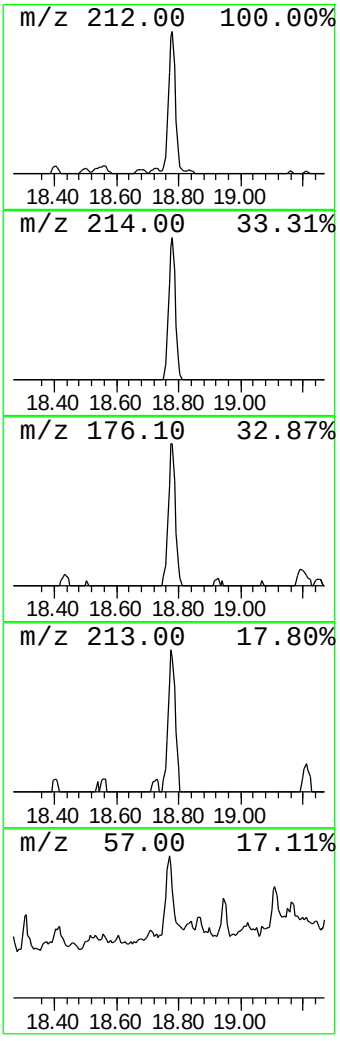
Peak Number 39 Anthracene, 1-chloro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	5.03 ng/ul	138994	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-chloro-	212	C14H9Cl	004985-70-0	98
2	Anthracene, 9-chloro-	212	C14H9Cl	000716-53-0	97
3	Anthracene, 2-chloro-	212	C14H9Cl	017135-78-3	97
4	Anthracene, 2-chloro-	212	C14H9Cl	017135-78-3	97
5	9-Chlorophenanthrene	212	C14H9Cl	000947-72-8	97





Tentatively Identified Compound (LSC) summary

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Tetrachloroethylene	4.49	133.3	ng/ul	837757	1	7.75	125669	20.0
Octane, 2,6-dimet...	6.29	3.8	ng/ul	23861	1	7.75	125669	20.0
(DEL) Alkane: Cyc...	6.38	6.4	ng/ul	39972	1	7.75	125669	20.0
(DEL) Alkane: Str...	6.72	5.8	ng/ul	36359	1	7.75	125669	20.0
(DEL) Alkane: Str...	6.78	3.0	ng/ul	19005	1	7.75	125669	20.0
(DEL) Alkane: Str...	6.83	3.0	ng/ul	19052	1	7.75	125669	20.0
Ether, hexyl pentyl	7.35	3.2	ng/ul	20128	1	7.75	125669	20.0
Benzene, 1,2,3-tr...	7.38	17.8	ng/ul	111998	1	7.75	125669	20.0
unknown-01	7.63	6.5	ng/ul	40974	1	7.75	125669	20.0
Benzene, 1-ethyl-...	7.85	5.6	ng/ul	34941	1	7.75	125669	20.0
(DEL) Alkane: Cyc...	8.01	4.4	ng/ul	27858	1	7.75	125669	20.0
(DEL) Alkane: Str...	8.25	6.3	ng/ul	39462	1	7.75	125669	20.0
Benzeneacetaldehy...	8.28	3.0	ng/ul	18932	1	7.75	125669	20.0
unknown-02	8.38	10.7	ng/ul	67411	1	7.75	125669	20.0
Benzene, 2-ethyl-...	8.68	3.0	ng/ul	19033	1	7.75	125669	20.0
Benzene, 1-ethyl-...	8.83	9.4	ng/ul	58875	1	7.75	125669	20.0
unknown-03	9.08	3.8	ng/ul	23784	1	7.75	125669	20.0
Benzene, 1,2,4,5-...	9.35	3.2	ng/ul	38657	2	10.53	244310	20.0
Benzene, 1-methyl...	9.41	4.0	ng/ul	49191	2	10.53	244310	20.0
Benzene, 4-ethyl-...	9.93	2.7	ng/ul	32542	2	10.53	244310	20.0
1,1'-Biphenyl, 2,...	15.63	3.5	ng/ul	68364	3	14.38	386068	20.0
(DEL) Alkane: Str...	16.10	3.1	ng/ul	86291	4	17.13	553135	20.0
1,1'-Biphenyl, 2,...	16.25	2.2	ng/ul	61647	4	17.13	553135	20.0
1,1'-Biphenyl, 2,...	17.00	4.9	ng/ul	136741	4	17.13	553135	20.0
1,1'-Biphenyl, 2,...	17.72	9.1	ng/ul	250294	4	17.13	553135	20.0
1,1'-Biphenyl, 2,...	18.20	3.5	ng/ul	95873	4	17.13	553135	20.0
Anthracene, 1-chl...	18.77	5.0	ng/ul	138994	4	17.13	553135	20.0