LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030819\
Data File : BN004703.D
Acq On : 09 Mar 2019 09:06
Operator : JU/SJ
Sample : K1762-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0958

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-BN030719MA.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	30	35	55	rBV	1725838	2883416	50.53%	13.690%
2	3.840	135	145	151	rBV	12479	24177	0.42%	0.115%
3	4.058	177	182	193	rBV2	12164	28157	0.49%	0.134%
4	4.464	246	251	258	rVB	41743	61745	1.08%	0.293%
5	4.940	329	332	336	rBB	7283	8368	0.15%	0.040%
6	5.205	368	377	382	rBV2	13070	25905	0.45%	0.123%
7	5.740	463	468	474	rBB	76740	107507	1.88%	0.510%
8	5.805	474	479	485	rBB2	8043	11033	0.19%	0.052%
9	6.458	586	590	594	rBB	9756	12473	0.22%	0.059%
10	6.622	613	618	622	rBB	7589	10383	0.18%	0.049%
11	6.705	627	632	634	rBV	14080	23053	0.40%	0.109%
12	6.758	634	641	648	rVB	25108	56037	0.98%	0.266%
13	6.881	657	662	668	rBB	29176	45564	0.80%	0.216%
14	7.058	687	692	698	rBV	84754	134985	2.37%	0.641%
15	7.252	719	725	731	rBB	110260	165606	2.90%	0.786%
16	7.722	799	805	809	rBV	107833	164278	2.88%	0.780%
17	7.769	809	813	818	rVV	73115	107124	1.88%	0.509%
18	7.822	818	822	829	rVB2	11745	20349	0.36%	0.097%
19	8.275	894	899	905	rBB2	7918	13932	0.24%	0.066%
20	8.416	916	923	930	rBB	92798	146388	2.57%	0.695%
21	8.540	937	944	950	rBV	112570	176024	3.08%	0.836%
22	8.605	950	955	959	rVB	11327	16980	0.30%	0.081%
23	8.881	996	1002	1009	rBB	128604	202106	3.54%	0.960%
24	9.005	1014	1023	1031	rBB	31712	71372	1.25%	0.339%
25	9.128	1036	1044	1050	rBB2	11740	19139	0.34%	0.091%
26	9.593	1117	1123	1132	rBB2	112958	198337	3.48%	0.942%
27	9.757	1144	1151	1158	rVV	12594	24884	0.44%	0.118%
28	10.122	1205	1213	1221	rBB	191329	306240	5.37%	1.454%
29	10.205	1222	1227	1232	rBB	34739	49762	0.87%	0.236%
30	10.275	1235	1239	1246	rBB3	7924	18241	0.32%	0.087%
31	10.428	1259	1265	1270	rVB	26065	40171	0.70%	0.191%
32	10.505	1271	1278	1284	rBV	174220	280059	4.91%	1.330%
33	10.999	1355	1362	1366	rBV	28967	54467	0.95%	0.259%
34	11.046	1366	1370	1379	rVB	20334	34309	0.60%	0.163%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K1762-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0958

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-BN030719MA.M
Title : SVOA CALIBRATION

35	11.304	1403	1414	1420	rBV	50514	113228	1.98%	0.538%
36	11.363	1420	1424	1429	rVV	13532	21228	0.37%	0.101%
37	11.457	1429	1440	1445	rVV	57154	119674	2.10%	0.568%
38	11.534	1449	1453	1458	rVV	12664	21234	0.37%	0.101%
39	11.734	1483	1487	1496	rBB3	6006	11845	0.21%	0.056%
40	11.869	1506	1510	1514	rBV	7081	9762	0.17%	0.046%
41	12.128	1550	1554	1559	rVB	9387	13480	0.24%	0.064%
42	12.322	1582	1587	1593	rVB2	19195	33434	0.59%	0.159%
43	12.416	1596	1603	1610	rBB2	11605	23722	0.42%	0.113%
44	12.504	1610	1618	1628	rBB2	69387	123258	2.16%	0.585%
45	12.640	1636	1641	1647	rBB2	13355	20237	0.35%	0.096%
46	12.704	1647	1652	1658	rBV3	10076	22127	0.39%	0.105%
47	12.763	1658	1662	1669	rVV3	25357	45140	0.79%	0.214%
48	12.846	1672	1676	1683	rBB	6300	9655	0.17%	0.046%
49	12.946	1688	1693	1697	rBB2	7494	11321	0.20%	0.054%
50	13.122	1713	1723	1728	rBV	65643	137464	2.41%	0.653%
51	13.169	1728	1731	1738	rVB	7956	11897	0.21%	0.056%
52	13.569	1794	1799	1806	rBV2	13327	19529	0.34%	0.093%
53	13.769	1827	1833	1839	rBV	368830	499820	8.76%	2.373%
54	13.975	1863	1868	1875	rBV3	18767	33892	0.59%	0.161%
55	14.057	1875	1882	1887	rBV	414540	617427	10.82%	2.931%
56	14.163	1893	1900	1906	rVB2	10941	19531	0.34%	0.093%
57	14.363	1922	1934	1940	rBV3	305986	499367	8.75%	2.371%
58	14.569	1965	1969	1977	rVB2	30819	50345	0.88%	0.239%
59	14.716	1991	1994	2000	rVB	19077	24045	0.42%	0.114%
60	14.769	2000	2003	2010	rBB	14385	18318	0.32%	0.087%
61	15.287	2087	2091	2097	rBV2	4750	8497	0.15%	0.040%
62	15.357	2097	2103	2110	rVB	566993	786366	13.78%	3.734%
63	15.481	2119	2124	2129	rBB	163875	215809	3.78%	1.025%
64	15.598	2140	2144	2150	rBB2	28949	36804	0.65%	0.175%
65	17.110	2395	2401	2407	rBV	401185	543599	9.53%	2.581%
66	17.210	2411	2418	2425	rVB	624284	860547	15.08%	4.086%
67	17.386	2444	2448	2454	rBB	27706	31153	0.55%	0.148%
68	17.445	2454	2458	2461	rBB	16495	16933	0.30%	0.080%
69	17.569	2475	2479	2483	rBV	19577	24444	0.43%	0.116%
70	17.769	2508	2513	2521	rBB	56794	71875	1.26%	0.341%
71	17.998	2548	2552	2558	rBB	19414	25082	0.44%	0.119%

LSC Area Percent Report

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Sample : K1762-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0958

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Title : SVOA CALIBRATION

72	18.763	2672	2682	2685	rBV3	7810	14927	0.26%	0.071%
73	19.145	2742	2747	2749	rBV2	6514	8504	0.15%	0.040%
74	19.175	2749	2752	2755	rBV	7100	8287	0.15%	0.039%
75	19.239	2755	2763	2766	rBV	3460659	5705961	100.00%	27.091%
76	19.363	2780	2784	2787	rBV	12217	15335	0.27%	0.073%
77	19.516	2803	2810	2815	rBV	773737	1046364	18.34%	4.968%
78	19.563	2815	2818	2826	rVB	22982	26662	0.47%	0.127%
79	19.757	2845	2851	2856	rBV	36625	42577	0.75%	0.202%
80	19.916	2875	2878	2884	rVB	11285	12590	0.22%	0.060%
81	20.139	2911	2916	2918	rBV	8403	10500	0.18%	0.050%
82	20.228	2926	2931	2938	rBV	531780	608621	10.67%	2.890%
83	20.627	2995	2999	3003	rBV	21870	22317	0.39%	0.106%
84	20.692	3004	3010	3013	rBV3	5521	9056	0.16%	0.043%
85	20.769	3020	3023	3027	rBV2	11946	14292	0.25%	0.068%
86	21.063	3069	3073	3079	rVB	28640	29953	0.52%	0.142%
87	21.239	3099	3103	3109	rBV	19107	23649	0.41%	0.112%
88	21.310	3109	3115	3120	rVV	558928	667058	11.69%	3.167%
89	21.880	3208	3212	3215	rBV	14286	16492	0.29%	0.078%
90	22.145	3252	3257	3262	rBV	162594	199061	3.49%	0.945%
91	22.339	3286	3290	3295	rVB	30728	36668	0.64%	0.174%
92	22.474	3310	3313	3321	rBV3	13991	20236	0.35%	0.096%
93	22.651	3338	3343	3347	rVB	40053	53701	0.94%	0.255%
94	22.845	3368	3376	3383	rBV2	39162	61817	1.08%	0.293%
95	23.421	3466	3474	3483	rBV2	515562	943327	16.53%	4.479%
96	23.569	3491	3499	3509	rVB2	290504	542759	9.51%	2.577%
97	24.063	3577	3583	3593	rVB2	45965	83025	1.46%	0.394%
98	24.810	3704	3710	3718	rVB	32027	67572	1.18%	0.321%
99	25.686	3853	3859	3866	rVB	18462	42675	0.75%	0.203%
100	26.715	4028	4034	4042	rVB3	12251	33578	0.59%	0.159%

Sum of corrected areas: 21062224

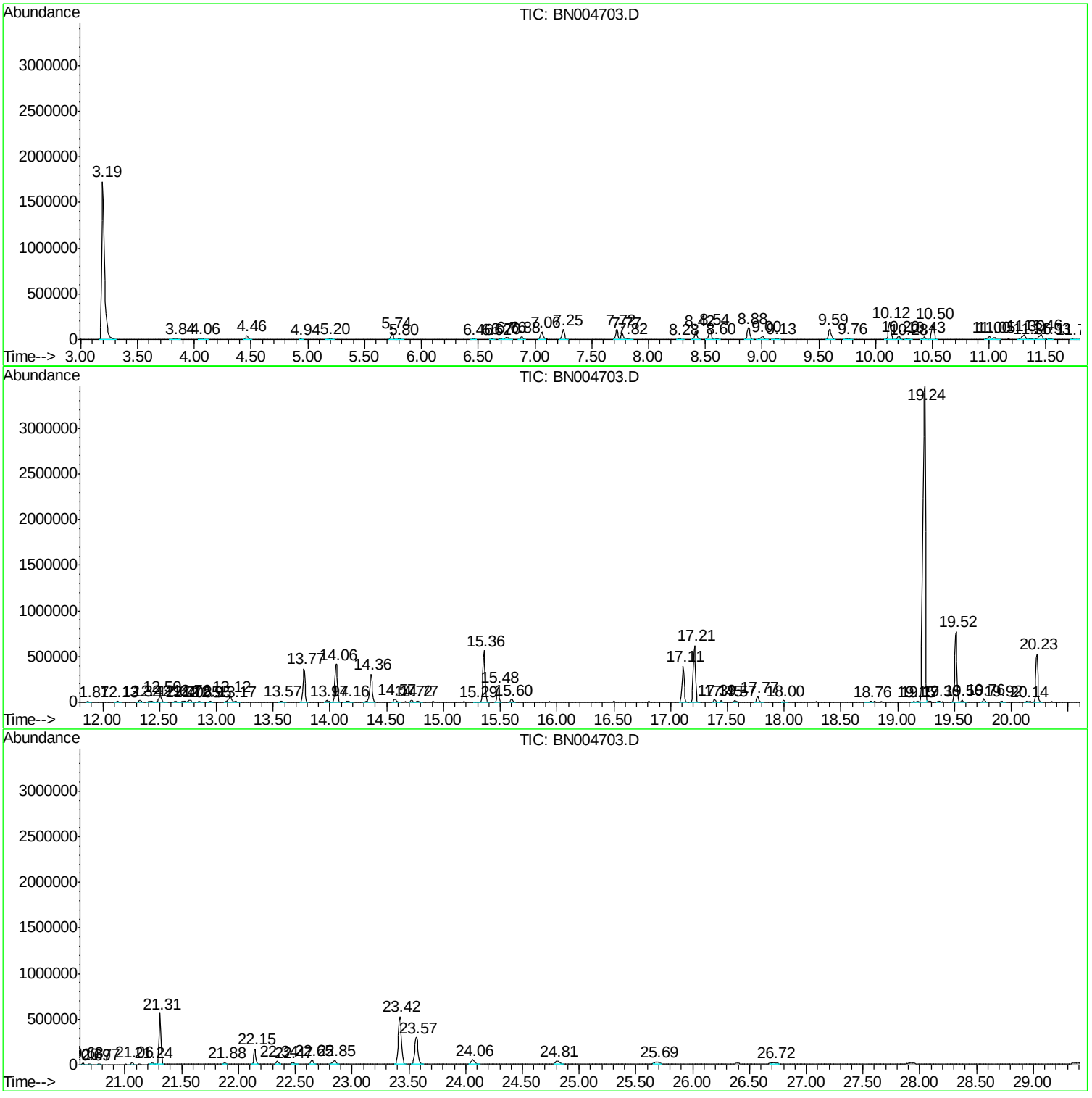
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030819\
Data File : BN004703.D
Acq On : 09 Mar 2019 09:06
Operator : JU/SJ
Sample : K1762-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0958

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.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\BN030819\
Data File : BN004703.D
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Quant Title : SVOA CALIBRATION

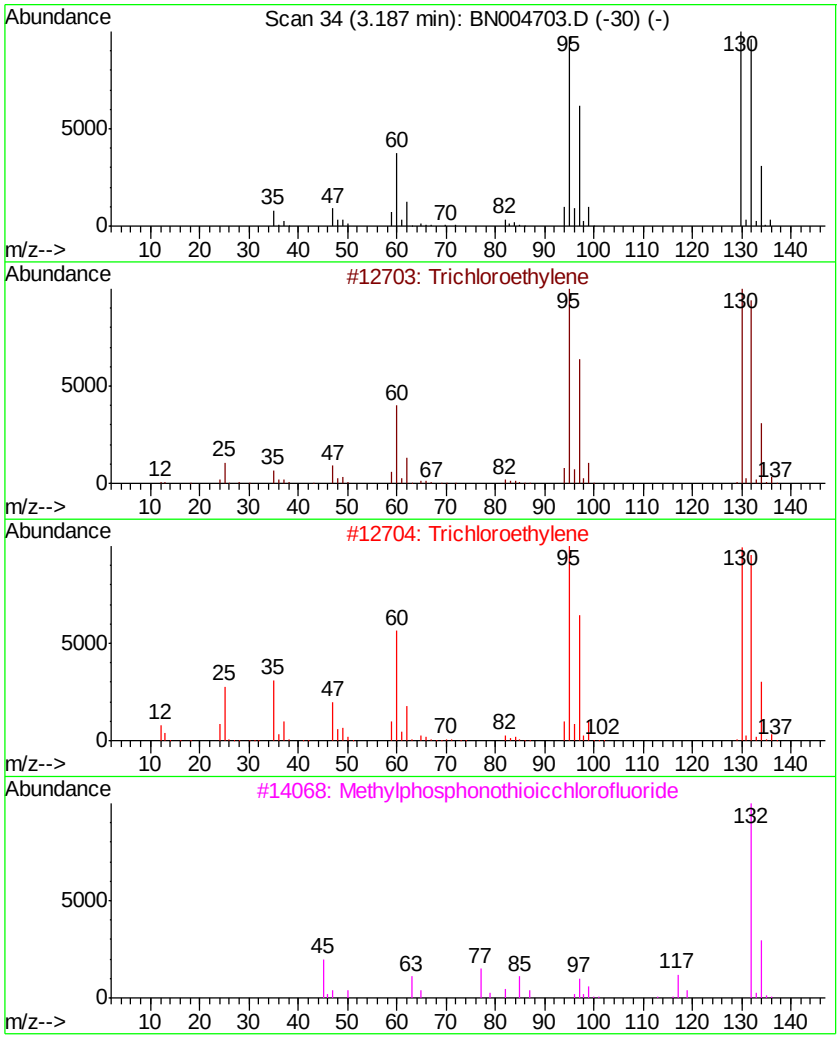
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

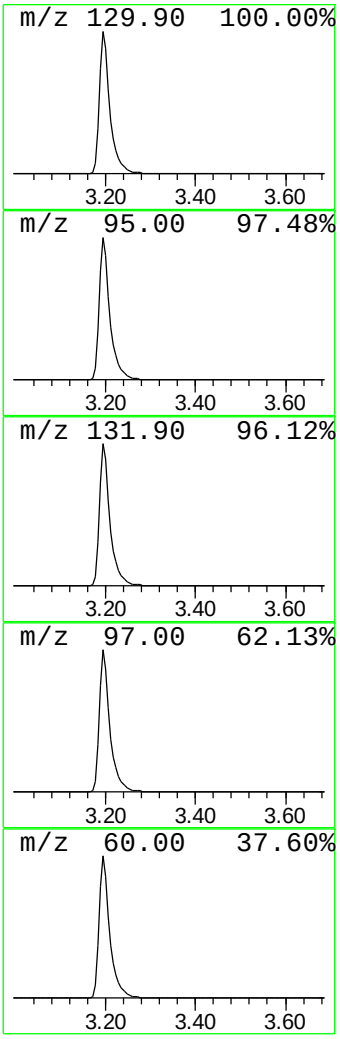
****

Peak Number 1 Trichloroethylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	351.04 ng/ul	2883420	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroethylene	130	C2HCl3	000079-01-6	99
2	Trichloroethylene	130	C2HCl3	000079-01-6	97
3	Methylphosphonothioicchlorofluoride	132	CH3ClFPS	027127-27-1	10
4	Oxirane, (trichloromethyl)-	160	C3H3Cl3O	003083-23-6	10
5	Pyridine, 1-oxide	95	C5H5NO	000694-59-7	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030819\
Data File : BN004703.D
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Sample : K1762-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0958

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Quant Title : SVOA CALIBRATION

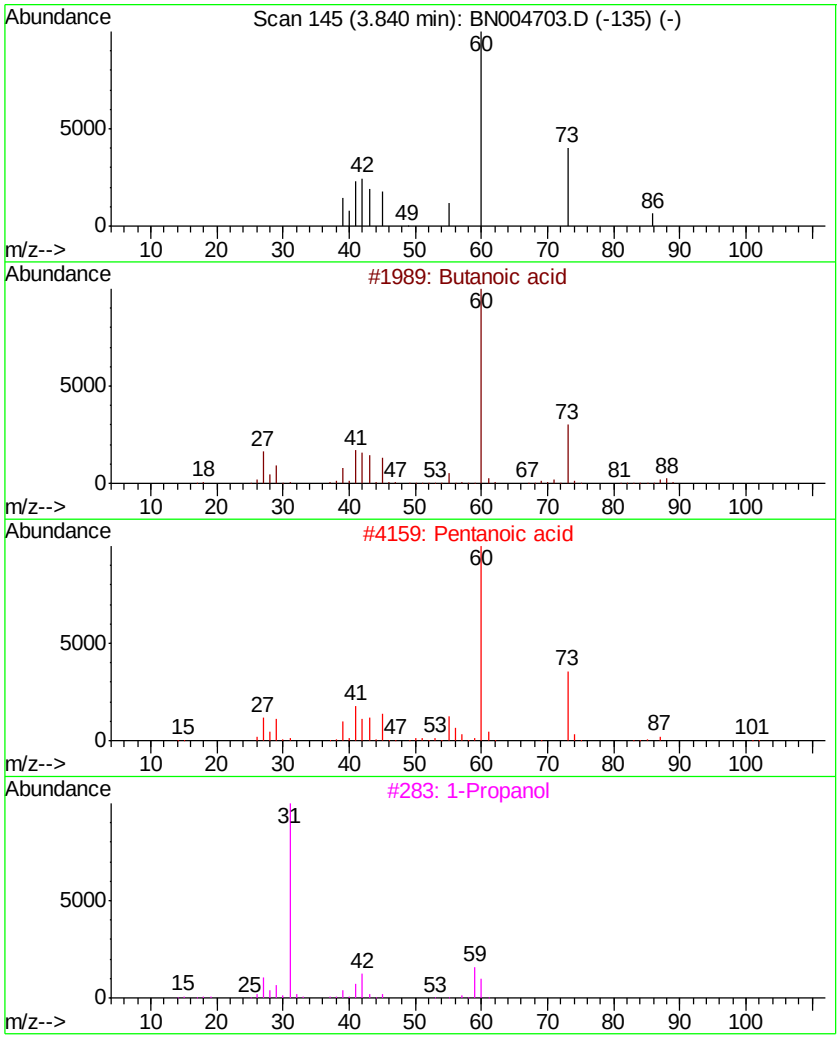
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

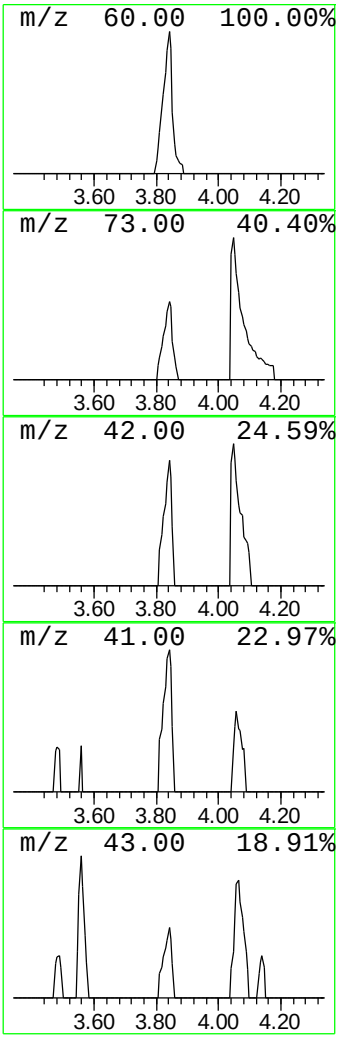
****

Peak Number 2 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.84	2.94 ng/ul	24177	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid	88	C4H8O2	000107-92-6	40
2	Pentanoic acid	102	C5H10O2	000109-52-4	9
3	1-Propanol	60	C3H8O	000071-23-8	5
4	Formic acid hydrazide	60	CH4N2O	000624-84-0	4
5	.beta.-D-Ribopyranoside, methyl	164	C6H12O5	017289-61-1	4





Library Search Compound Report

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Misc :
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Instrument : BNA_N
ClientSampleId : C0958

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Quant Title : SVOA CALIBRATION

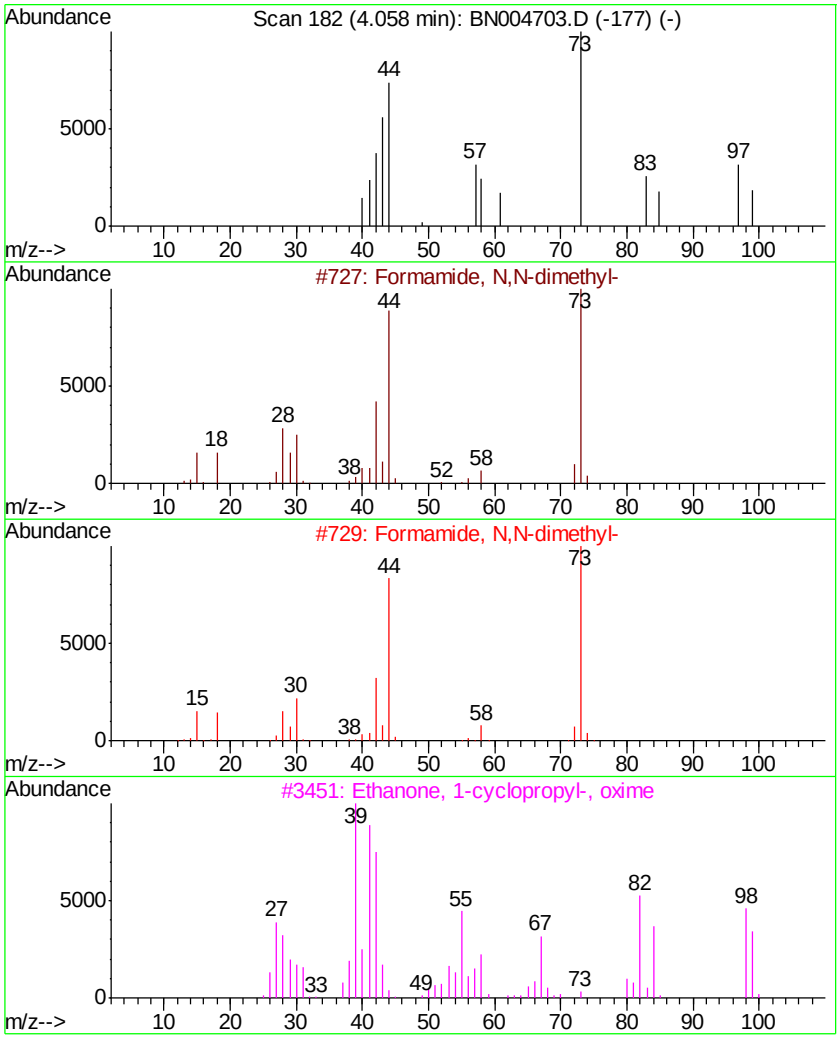
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

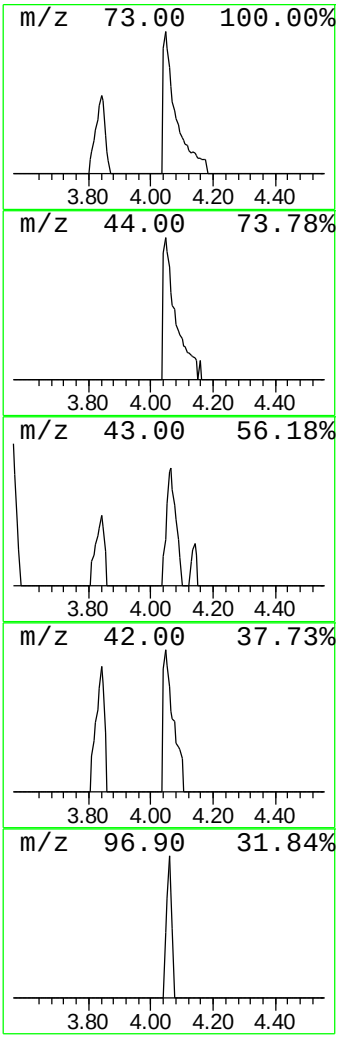
****

Peak Number 3 unknown-02 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.06	3.43 ng/ul	28157	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formamide, N,N-dimethyl-	73	C3H7NO	000068-12-2	9
2	Formamide, N,N-dimethyl-	73	C3H7NO	000068-12-2	9
3	Ethanone, 1-cyclopropyl-, oxime	99	C5H9NO	051761-72-9	9
4	1-Fluorononane	146	C9H19F	000463-18-3	9
5	3-Butenamide	85	C4H7NO	028446-58-4	4





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Acq On : 09 Mar 2019 09:06
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Sample : K1762-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0958

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Quant Title : SVOA CALIBRATION

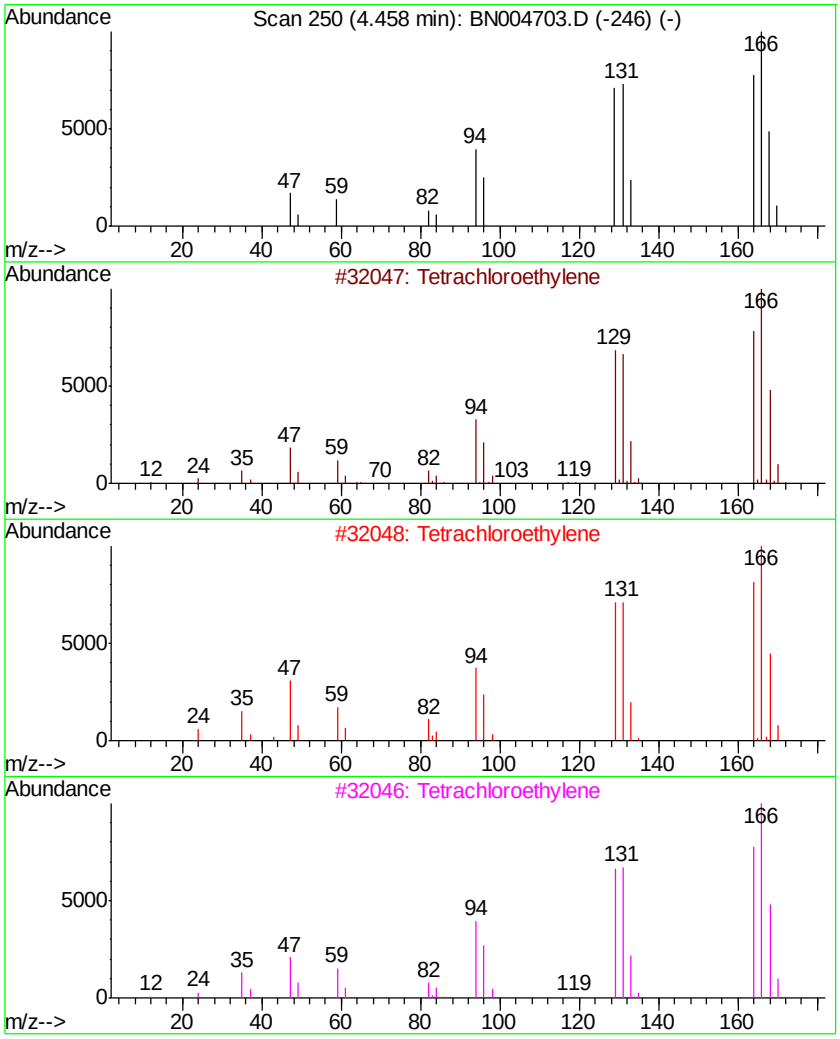
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

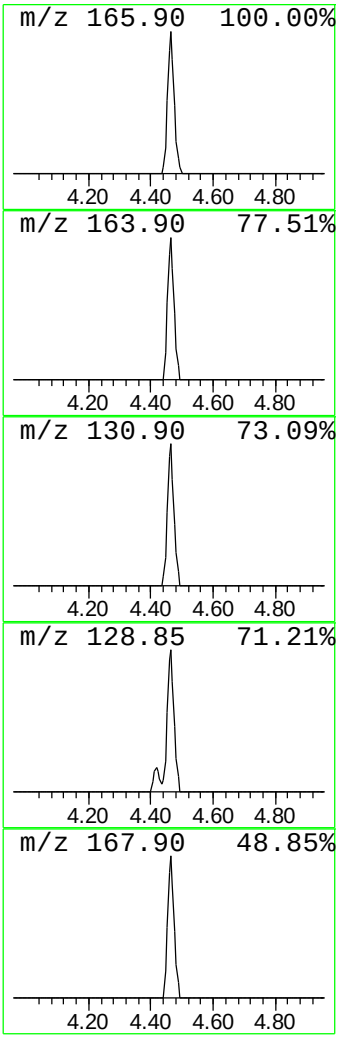
****

Peak Number 4 Tetrachloroethylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.46	7.52 ng/ul	61745	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrachloroethylene	164	C2Cl4	000127-18-4	97
2	Tetrachloroethylene	164	C2Cl4	000127-18-4	97
3	Tetrachloroethylene	164	C2Cl4	000127-18-4	96
4	Pyrimidine, 5-fluoro-2,4-dichloro-	166	C4HCl2FN2	002927-71-1	46
5	4,6-Dichloro-2-fluoropyrimidine	166	C4HCl2FN2	003824-45-1	9





Library Search Compound Report

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Data File : BN004703.D
Acq On : 09 Mar 2019 09:06
Operator : JU/SJ
Sample : K1762-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0958

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Quant Title : SVOA CALIBRATION

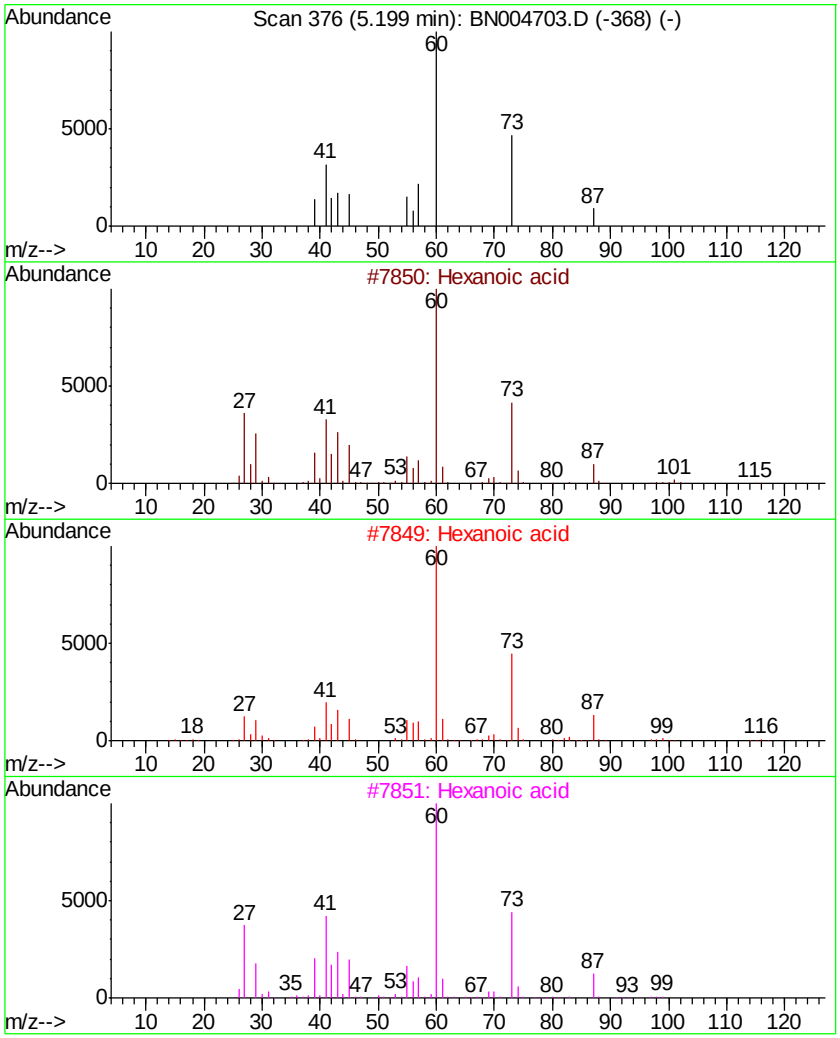
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

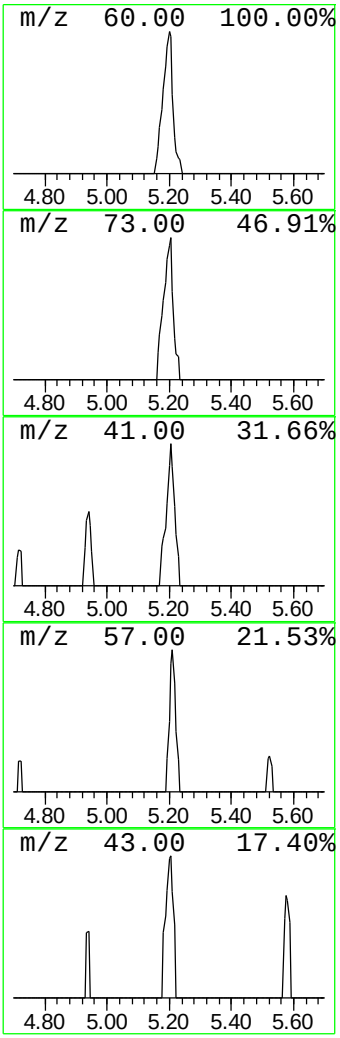
****

Peak Number 5 Hexanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	3.15 ng/ul	25905	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid	116	C6H12O2	000142-62-1	83
2	Hexanoic acid	116	C6H12O2	000142-62-1	64
3	Hexanoic acid	116	C6H12O2	000142-62-1	64
4	Pentanoic acid	102	C5H10O2	000109-52-4	56
5	Propanedioic acid, propyl-	146	C6H10O4	000616-62-6	43





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Data File : BN004703.D
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Misc :
ALS Vial : 31 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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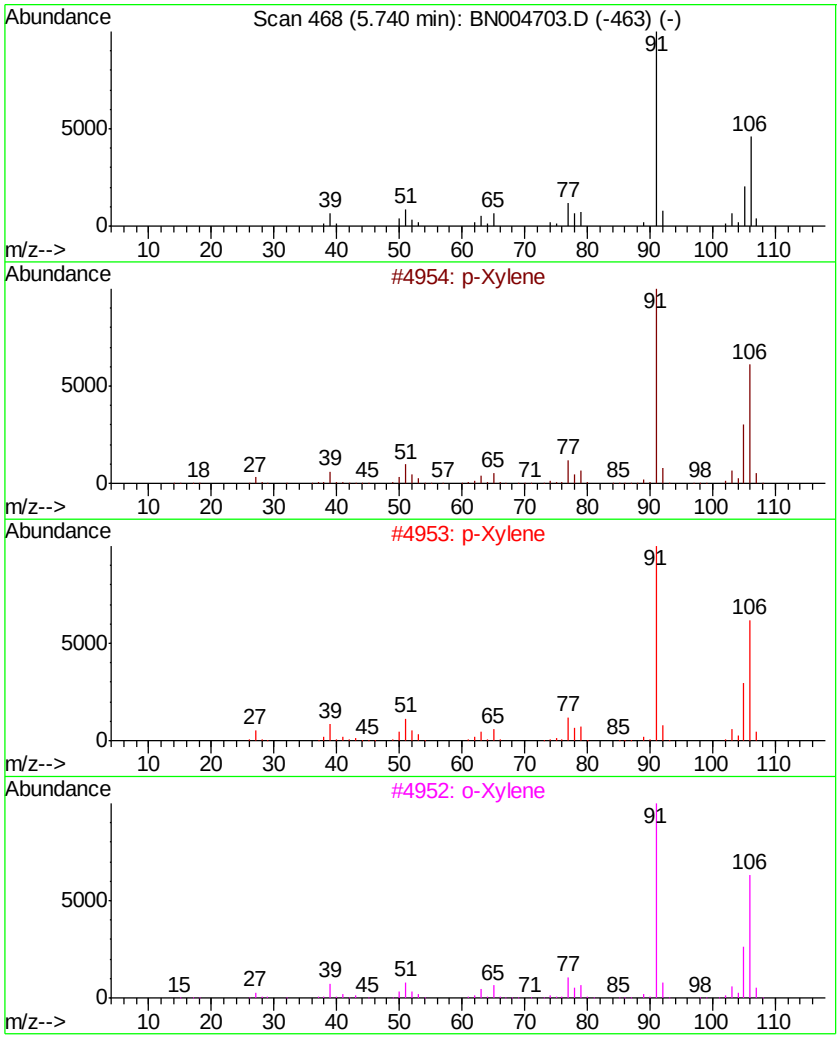
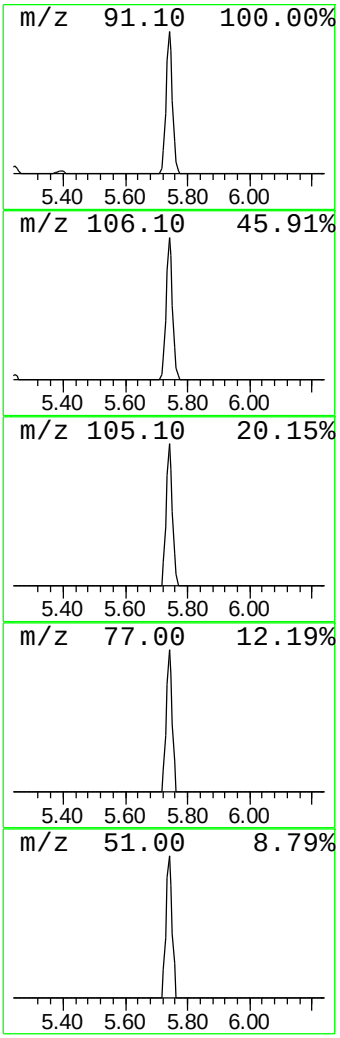
Peak Number 6 p-Xylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.74	13.09 ng/ul	107507	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Xylene	106	C8H10	000106-42-3	97
2	p-Xylene	106	C8H10	000106-42-3	97
3	o-Xylene	106	C8H10	000095-47-6	95
4	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
5	p-Xylene	106	C8H10	000106-42-3	95





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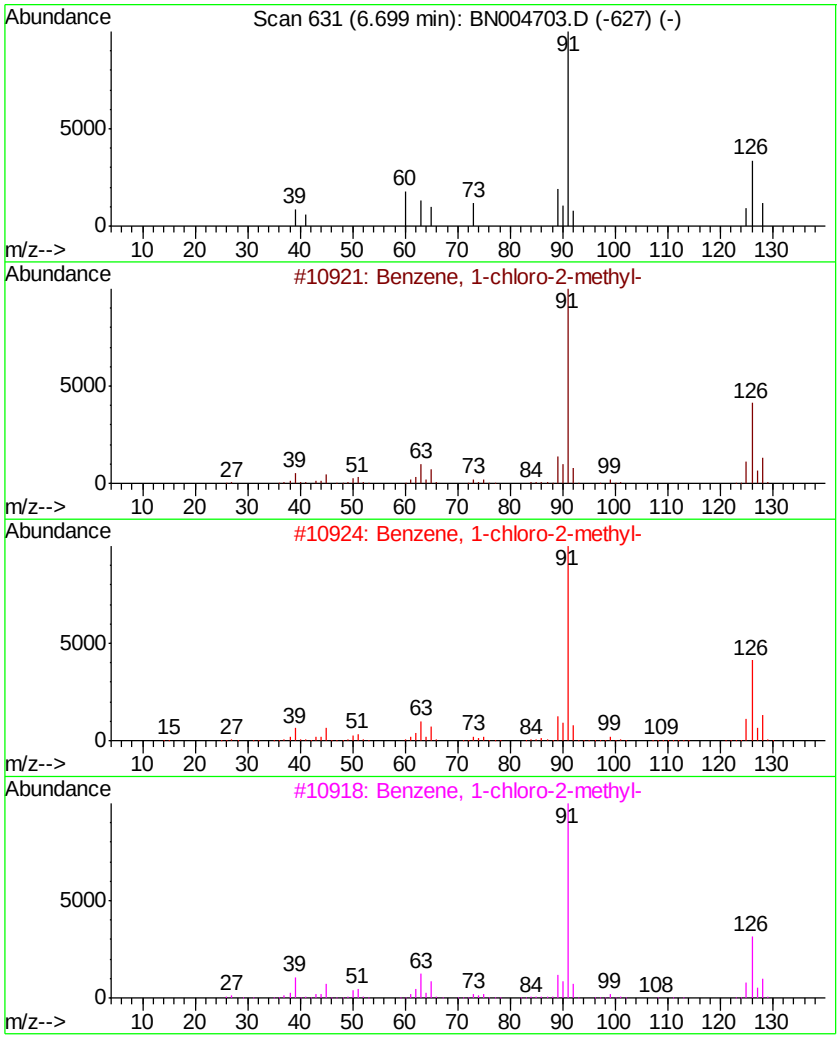
Quant Title : SVOA CALIBRATION

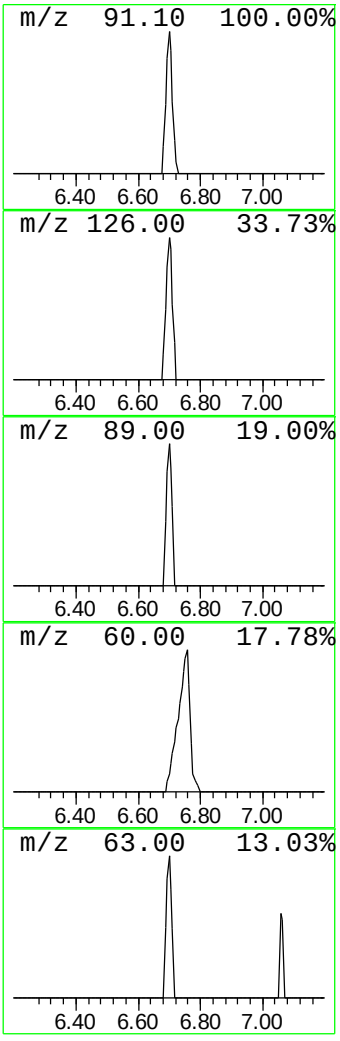
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-chloro-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	2.81 ng/ul	23053	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	52
2	Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	52
3	Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	52
4	Benzene, 1-chloro-3-methyl-	126	C7H7Cl	000108-41-8	49
5	Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	49





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Quant Title : SVOA CALIBRATION

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

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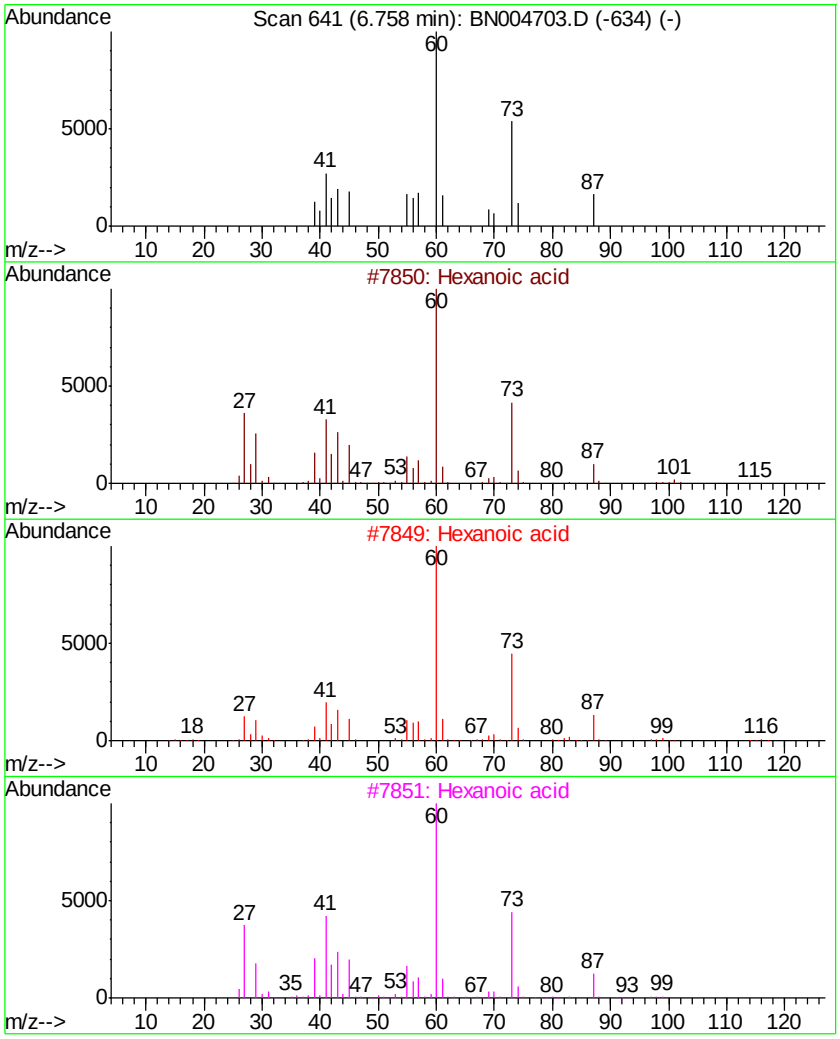
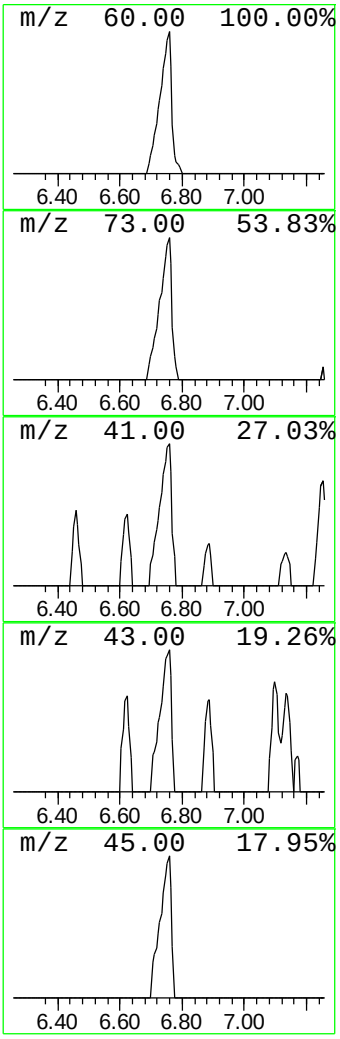
Peak Number 8 Hexanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	6.82 ng/ul	56037	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid	116	C6H12O2	000142-62-1	83
2	Hexanoic acid	116	C6H12O2	000142-62-1	78
3	Hexanoic acid	116	C6H12O2	000142-62-1	74
4	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	64
5	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	39





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Quant Title : SVOA CALIBRATION

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

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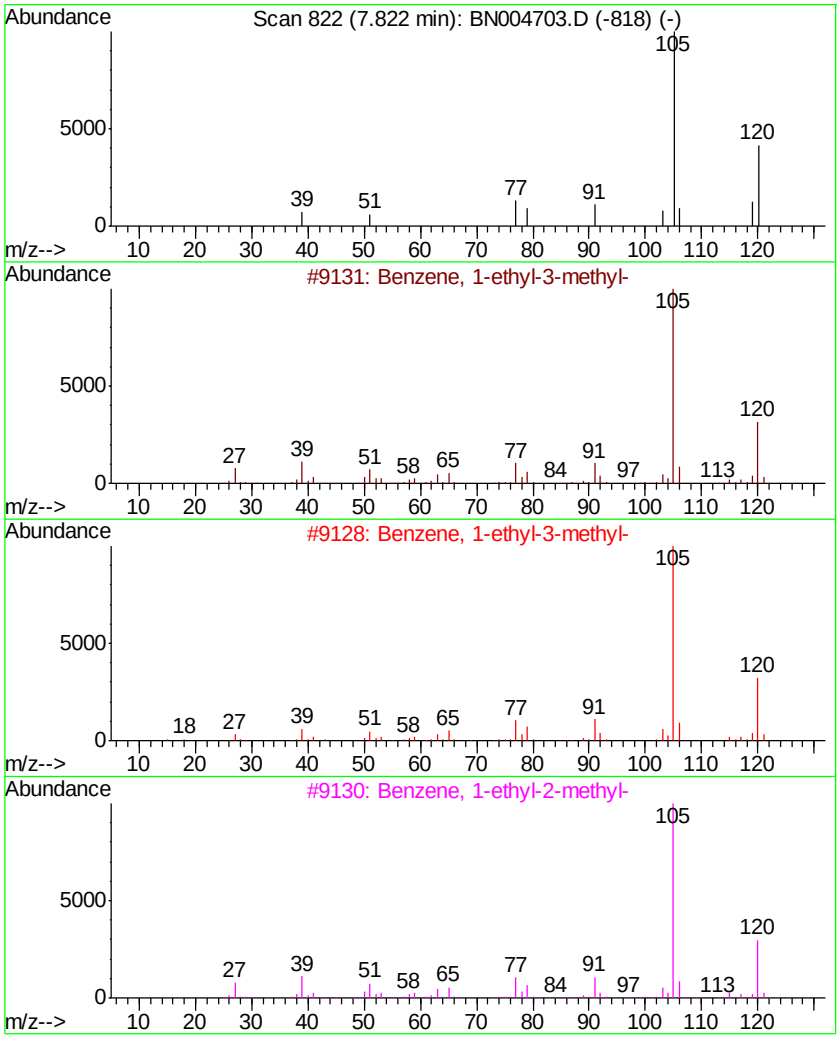
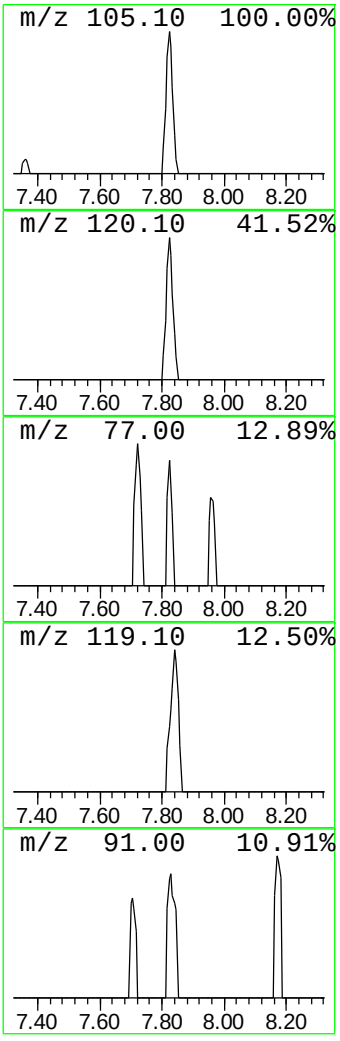
Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	2.48 ng/ul	20349	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	86
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	86
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	83





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Quant Title : SVOA CALIBRATION

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

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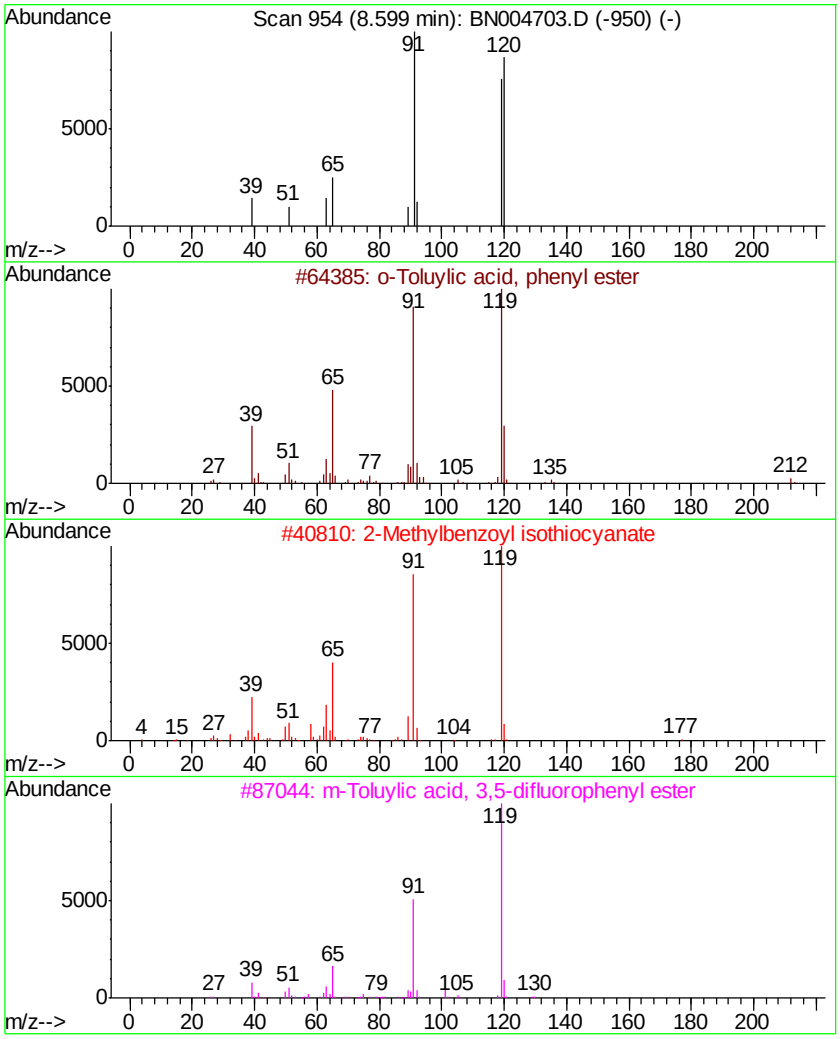
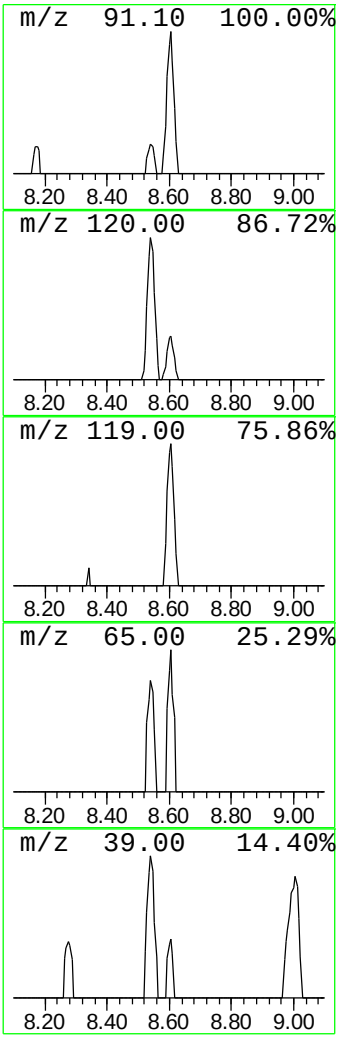
Peak Number 10 o-Toluylic acid, phenyl ester Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	2.07 ng/ul	16980	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Toluylic acid, phenyl ester	212	C14H12O2	015813-38-4	50
2	2-Methylbenzoyl isothiocyanate	177	C9H7NOS	028115-85-7	47
3	m-Toluylic acid, 3,5-difluorophe...	248	C14H10F2O2	1000293-76-6	47
4	1,2-Benzenedimethanol	138	C8H10O2	000612-14-6	43
5	m-Toluylic acid, 2-chlorophenyl ...	246	C14H11ClO2	1000293-76-9	42





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Quant Title : SVOA CALIBRATION

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

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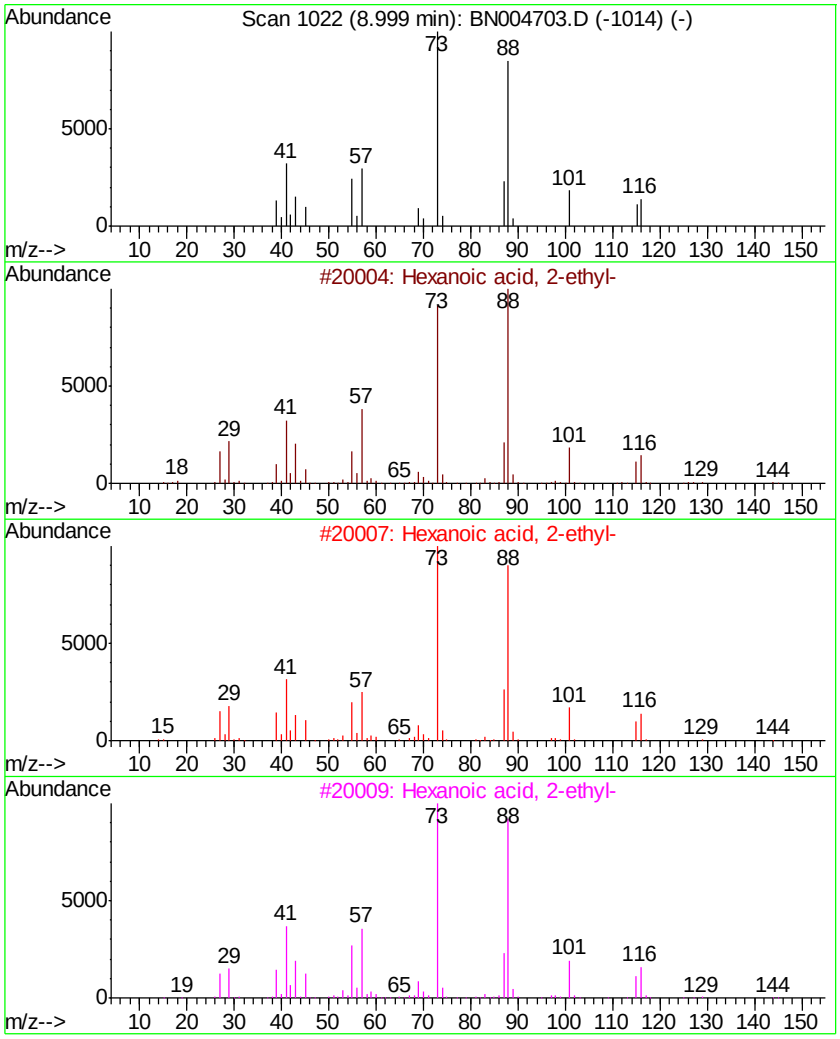
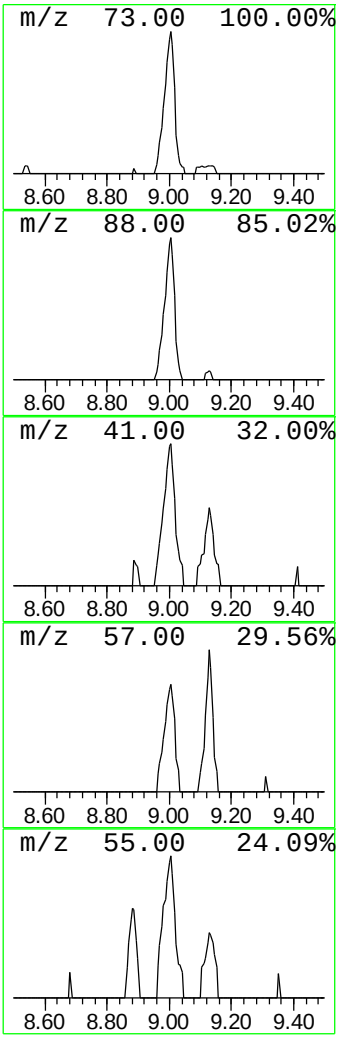
Peak Number 11 Hexanoic acid, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.00	8.69 ng/ul	71372	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	83
3	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	83
4	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	78
5	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	45





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Quant Title : SVOA CALIBRATION

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

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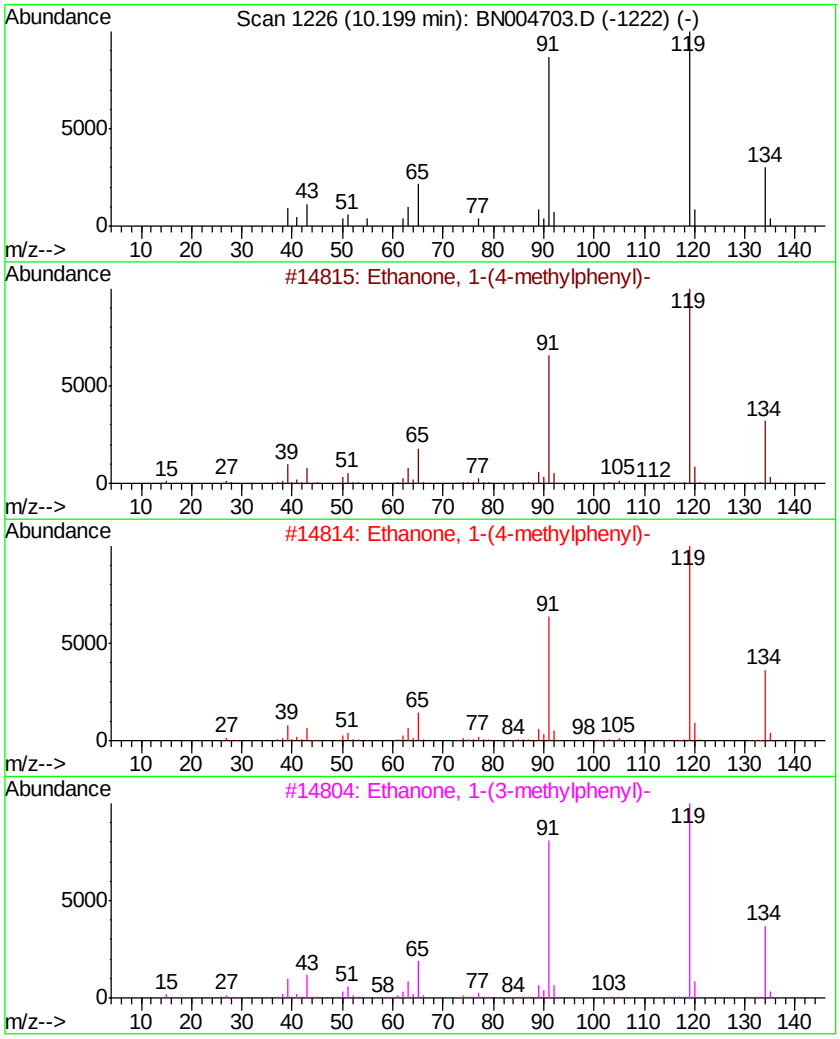
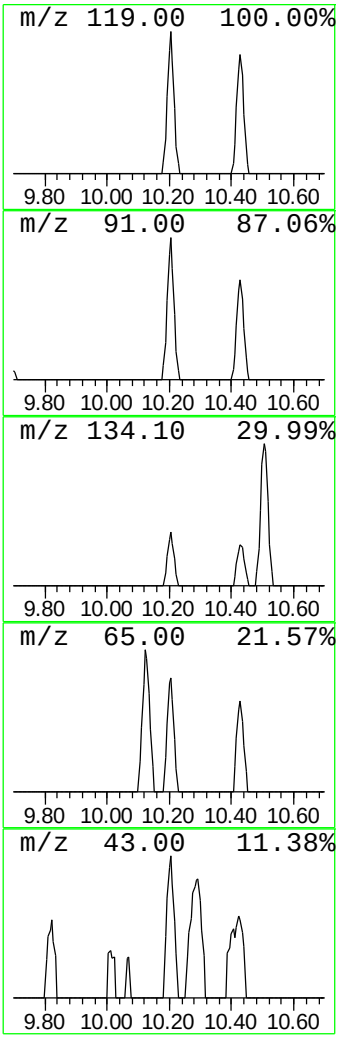
Peak Number 12 Ethanone, 1-(4-methylphenyl)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	3.55 ng/ul	49762	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(4-methylphenyl)-	134	C9H10O	000122-00-9	94
2	Ethanone, 1-(4-methylphenyl)-	134	C9H10O	000122-00-9	94
3	Ethanone, 1-(3-methylphenyl)-	134	C9H10O	000585-74-0	91
4	Ethanone, 1-(3-methylphenyl)-	134	C9H10O	000585-74-0	91
5	Ethanone, 1-(4-methylphenyl)-	134	C9H10O	000122-00-9	91





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Quant Title : SVOA CALIBRATION

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

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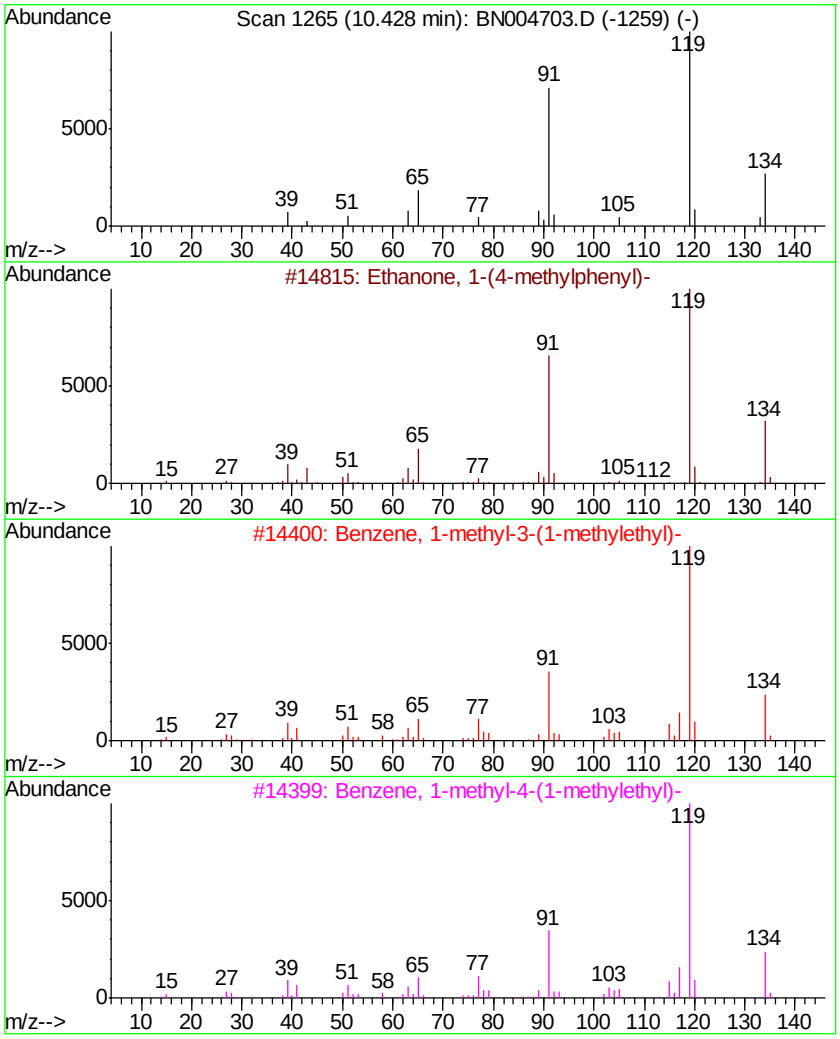
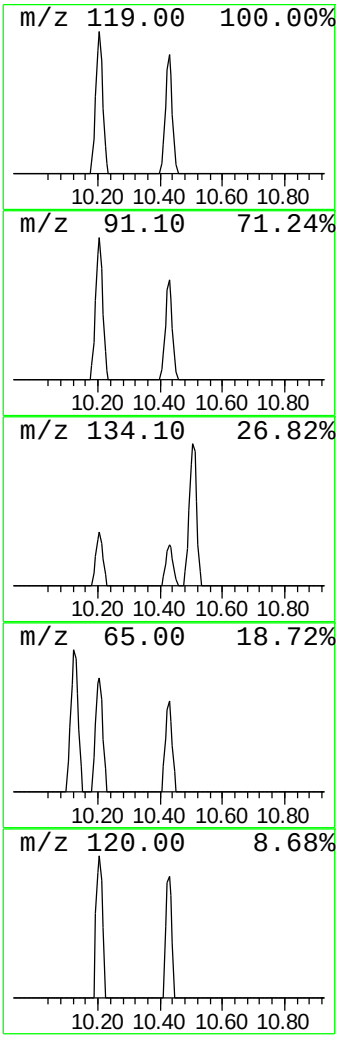
Peak Number 13 Benzene, 1-methyl-3-(1-meth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	2.87 ng/ul	40171	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(4-methylphenyl)-	134	C9H10O	000122-00-9	91
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	72
3	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	72
4	Benzoic acid, 4-methyl-, phenyl ...	212	C14H12O2	001900-85-2	64
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64





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Quant Title : SVOA CALIBRATION

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

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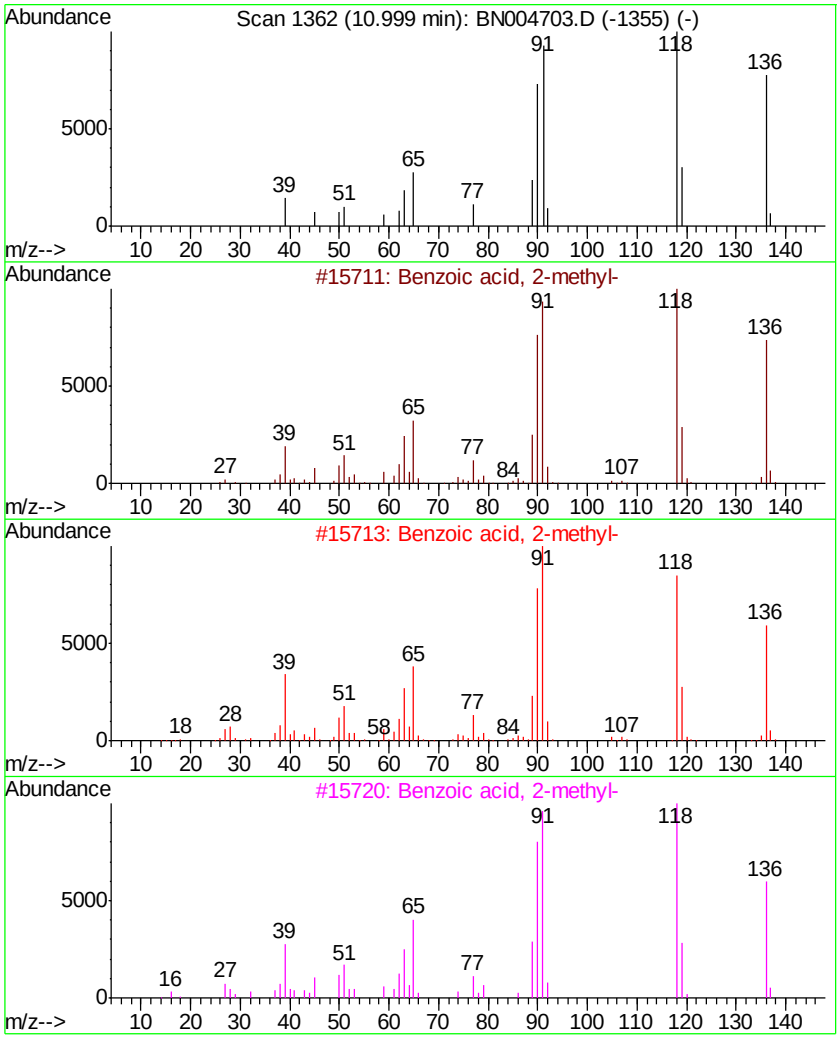
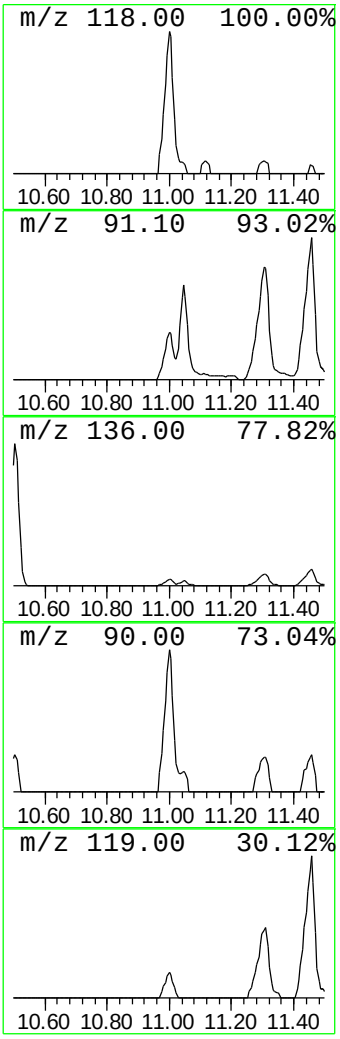
Peak Number 14 Benzoic acid, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	3.89 ng/ul	54467	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2-methyl-	136	C8H8O2	000118-90-1	98
2	Benzoic acid, 2-methyl-	136	C8H8O2	000118-90-1	97
3	Benzoic acid, 2-methyl-	136	C8H8O2	000118-90-1	95
4	Benzoic acid, 2-methyl-	136	C8H8O2	000118-90-1	91
5	Formic acid, phenylmethyl ester	136	C8H8O2	000104-57-4	53





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

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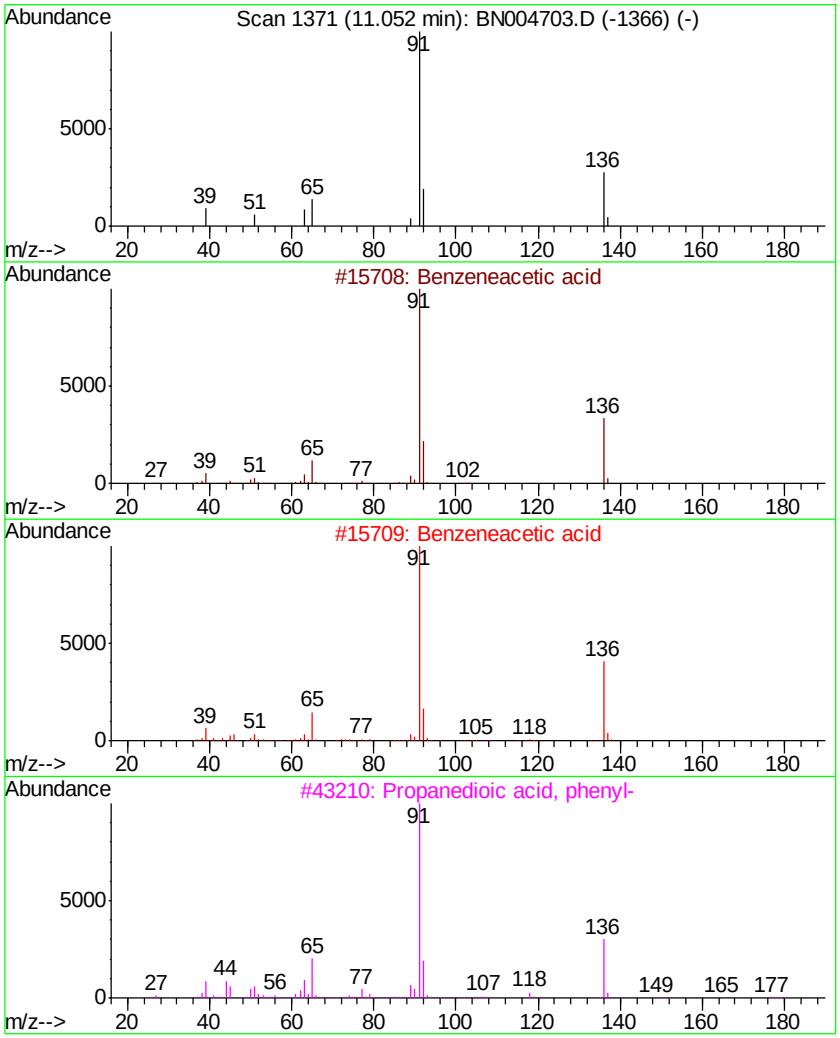
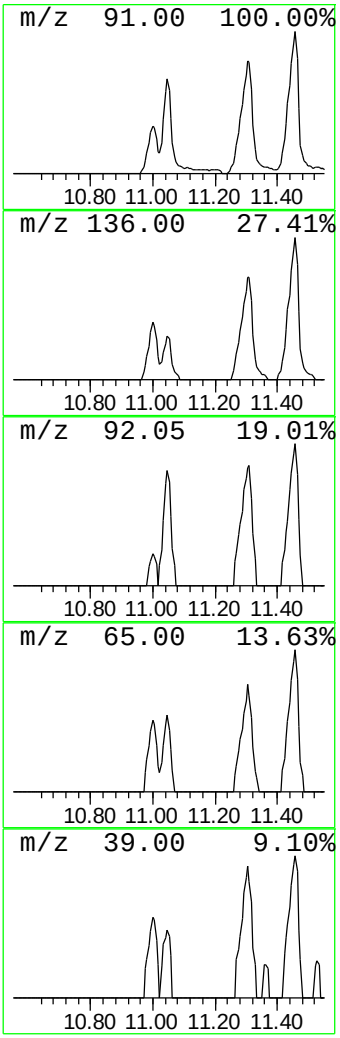
Peak Number 15 Benzeneacetic acid Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	2.45 ng/ul	34309	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid	136	C8H8O2	000103-82-2	83
2	Benzeneacetic acid	136	C8H8O2	000103-82-2	83
3	Propanedioic acid, phenyl-	180	C9H8O4	002613-89-0	78
4	Benzeneacetic acid	136	C8H8O2	000103-82-2	45
5	Acetic acid, phenyl-, isopentyl ...	206	C13H18O2	000102-19-2	43





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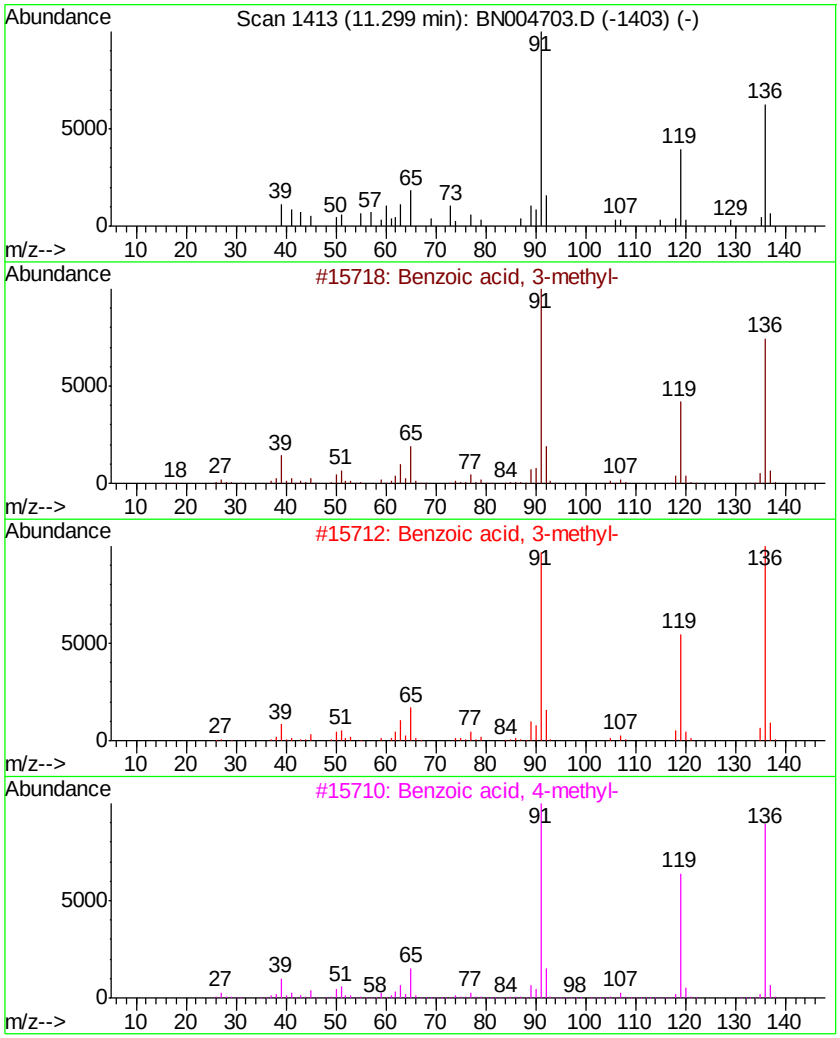
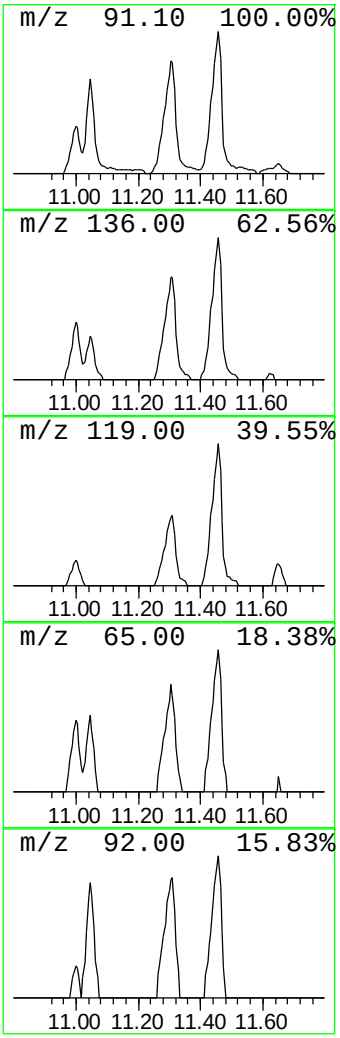
Peak Number 16 Benzoic acid, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	8.09 ng/ul	113228	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3-methyl-	136	C8H8O2	000099-04-7	96
2	Benzoic acid, 3-methyl-	136	C8H8O2	000099-04-7	93
3	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	81
4	Benzoic acid, 3-methyl-	136	C8H8O2	000099-04-7	81
5	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	76





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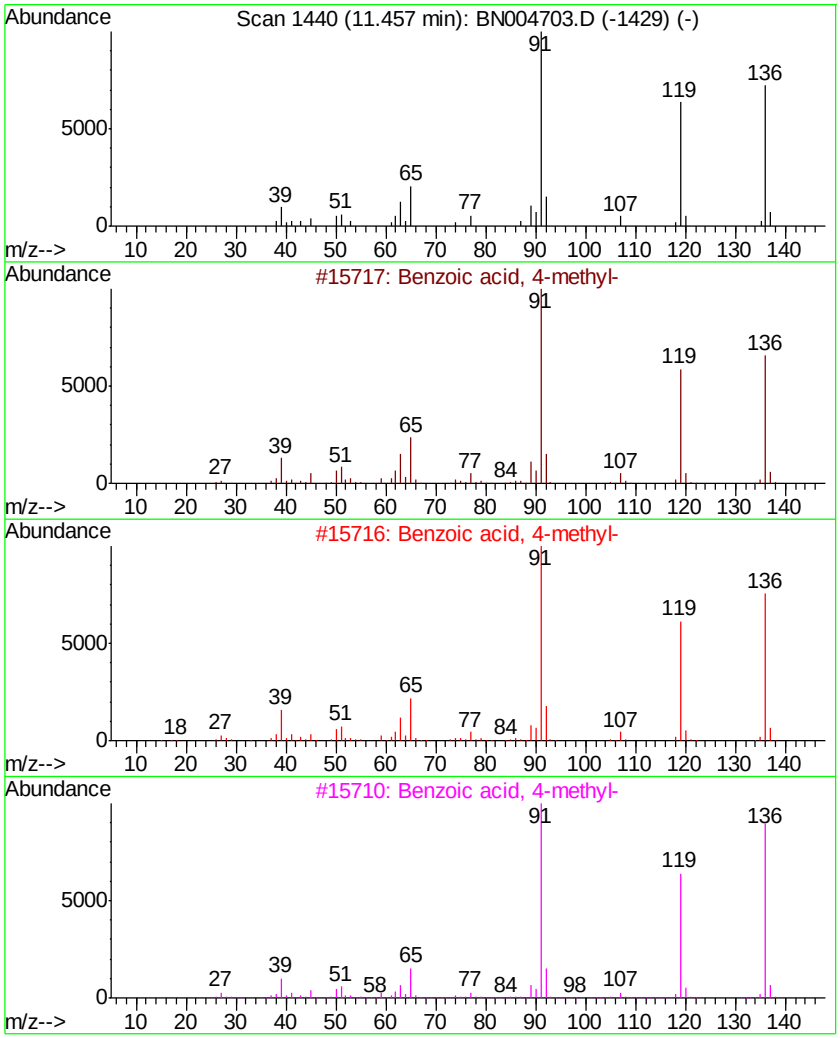
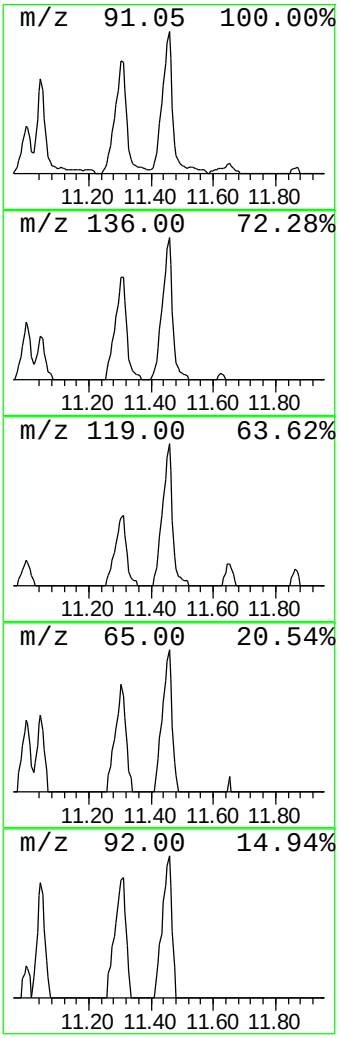
Peak Number 17 Benzoic acid, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	8.55 ng/ul	119674	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	96
2	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	96
3	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	95
4	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	94
5	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	90





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Acq On : 09 Mar 2019 09:06
Operator : JU/SJ
Sample : K1762-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0958

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Quant Title : SVOA CALIBRATION

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

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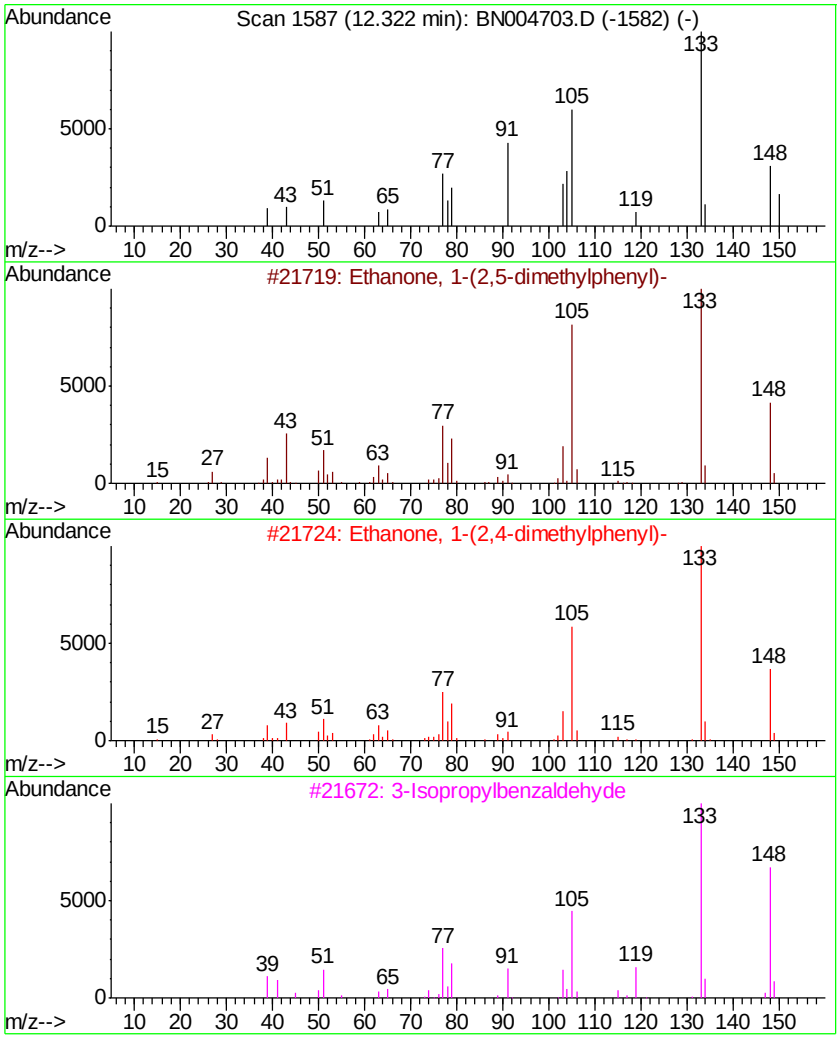
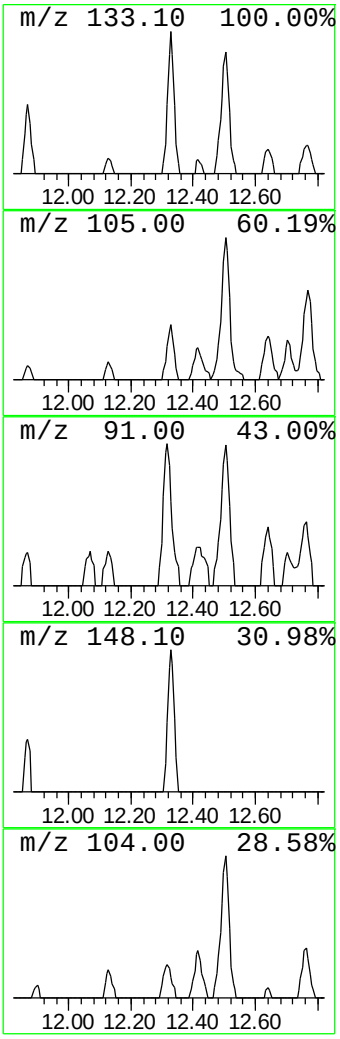
Peak Number 18 Ethanone, 1-(2,5-dimethylph... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	2.39 ng/ul	33434	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	81
2	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	81
3	3-Isopropylbenzaldehyde	148	C10H12O	034246-57-6	80
4	Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	74
5	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	74





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Sample : K1762-04
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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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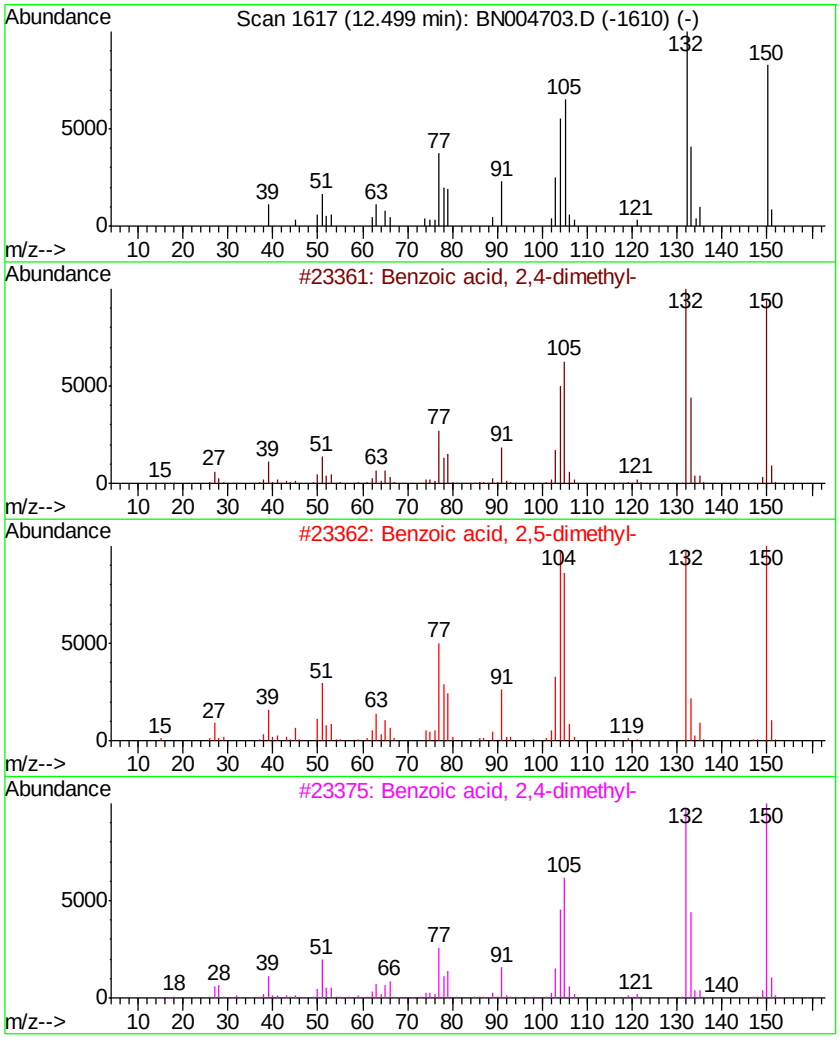
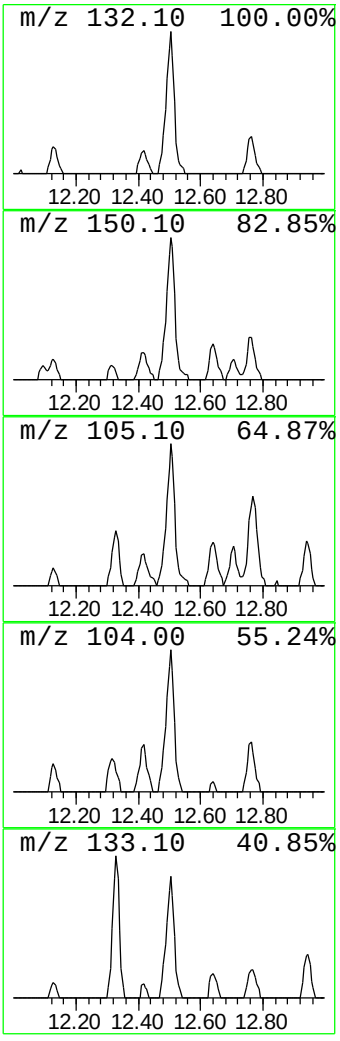
Peak Number 19 Benzoic acid, 2,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	4.94 ng/ul	123258	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,4-dimethyl-	150	C9H10O2	000611-01-8	97
2	Benzoic acid, 2,5-dimethyl-	150	C9H10O2	000610-72-0	96
3	Benzoic acid, 2,4-dimethyl-	150	C9H10O2	000611-01-8	93
4	Benzoic acid, 2,3-dimethyl-	150	C9H10O2	000603-79-2	93
5	Benzoic acid, 2,6-dimethyl-	150	C9H10O2	000632-46-2	91





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Instrument : BNA_N
ClientSampleId : C0958

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Quant Title : SVOA CALIBRATION

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

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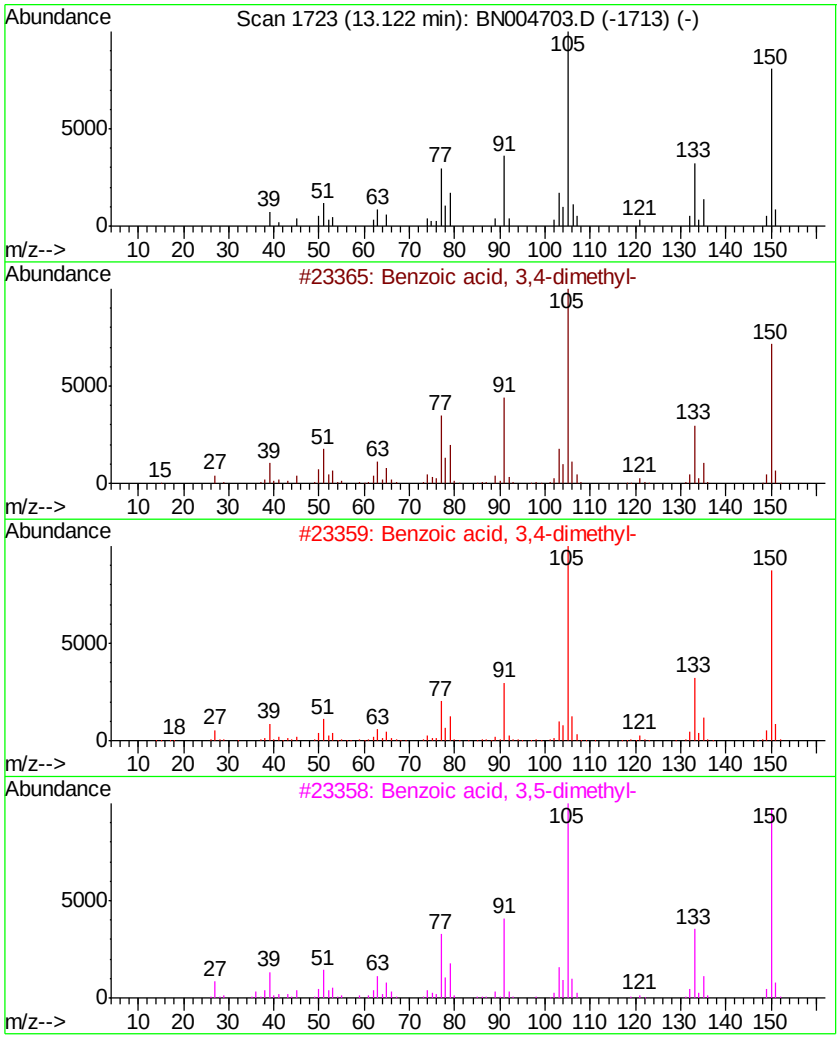
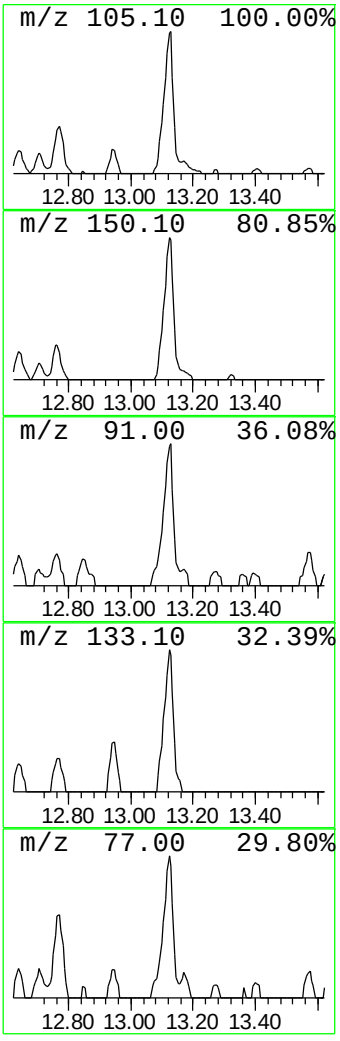
Peak Number 20 Benzoic acid, 3,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	5.51 ng/ul	137464	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3,4-dimethyl-	150	C9H10O2	000619-04-5	97
2	Benzoic acid, 3,4-dimethyl-	150	C9H10O2	000619-04-5	97
3	Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	96
4	Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	96
5	Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	94





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Sample : K1762-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0958

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Quant Title : SVOA CALIBRATION

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

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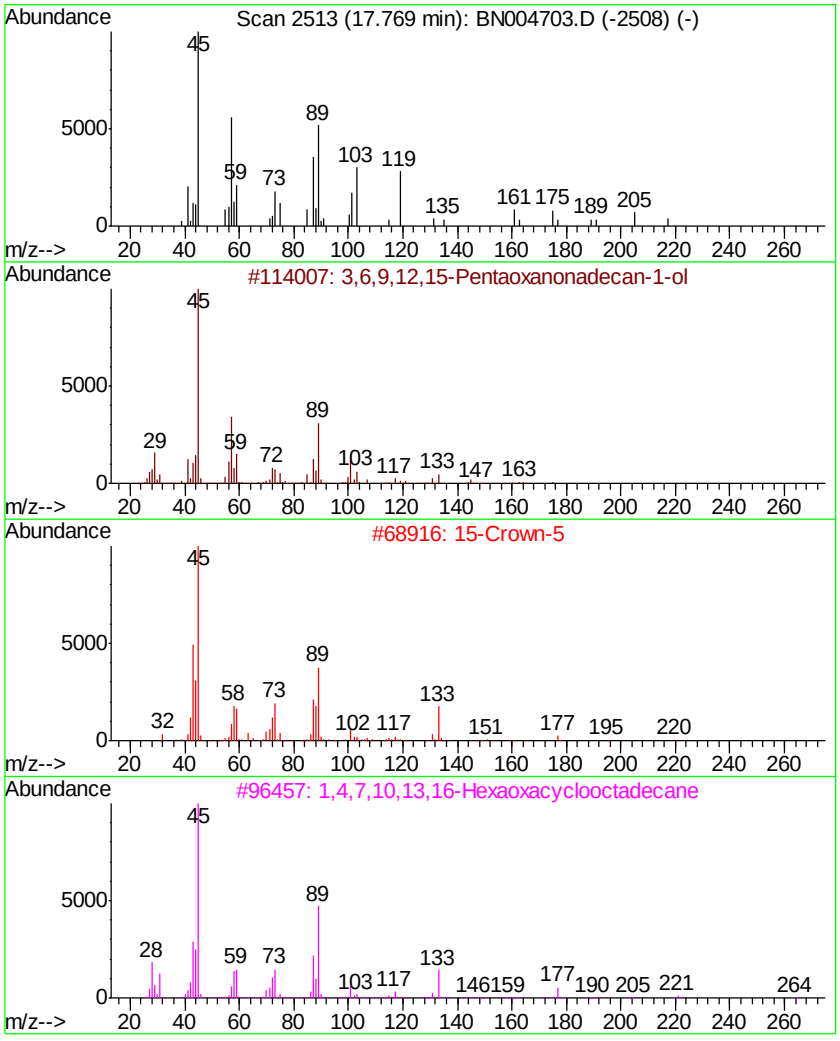
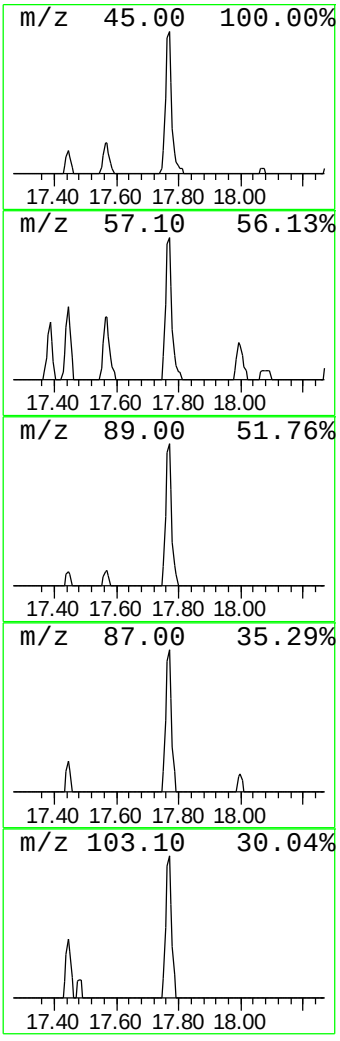
Peak Number 21 3,6,9,12,15-Pentaoxanonadec... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	2.64 ng/ul	71875	Phenanthrene-d10	17.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6,9,12,15-Pentaoxanonadecan-1-ol	294	C14H30O6	001786-94-3	59
2	15-Crown-5	220	C10H20O5	033100-27-5	45
3	1,4,7,10,13,16-Hexaoxacyclooctad...	264	C12H24O6	017455-13-9	45
4	Hexagol	282	C12H26O7	002615-15-8	40
5	Hexagol	282	C12H26O7	002615-15-8	40





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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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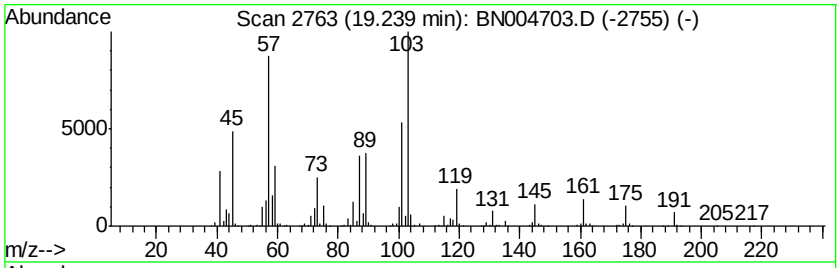
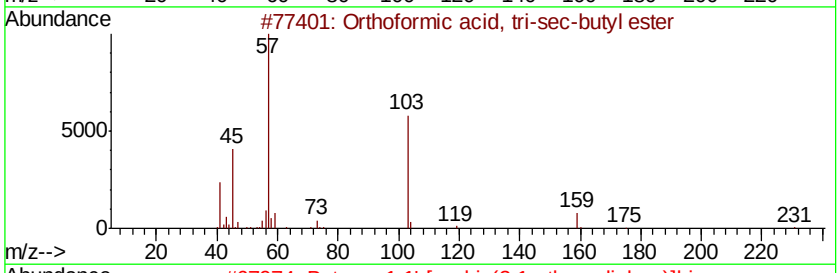
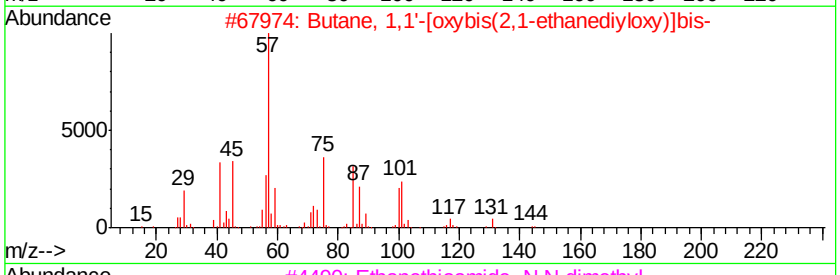
Peak Number 22 unknown-02 Concentration Rank 2

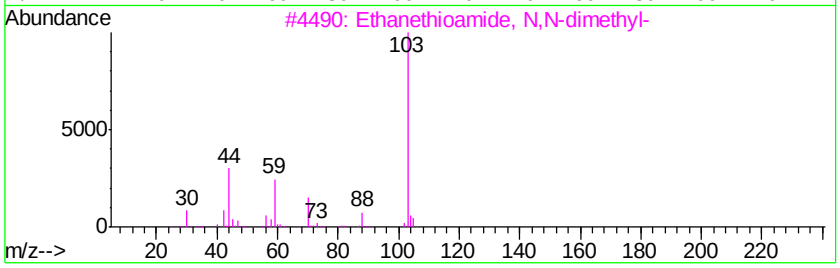
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	171.08 ng/ul	5705960	Chrysene-d12	21.31

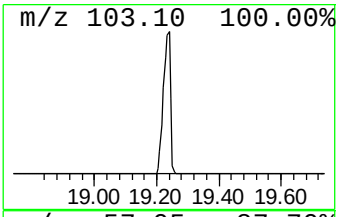
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Orthoformic acid, tri-sec-butyl ...	232	C13H28O3	016754-48-6	32
2	Butane, 1,1'-[oxybis(2,1-ethaned...	218	C12H26O3	000112-73-2	25
3	Ethanethioamide, N,N-dimethyl-	103	C4H9NS	000631-67-4	22
4	1-tert-Butoxy-2-ethoxyethane	146	C8H18O2	051422-54-9	22
5	1-tert-Butoxy-2-ethoxyethane	146	C8H18O2	051422-54-9	18

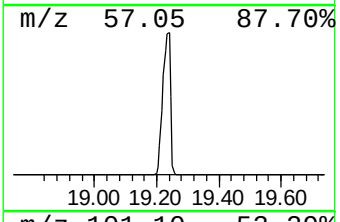


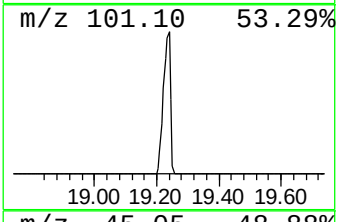


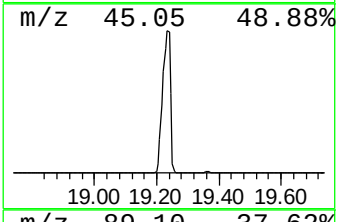


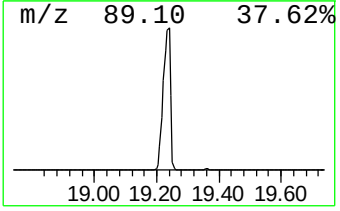












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Acq On : 09 Mar 2019 09:06
Operator : JU/SJ
Sample : K1762-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0958

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Quant Title : SVOA CALIBRATION

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

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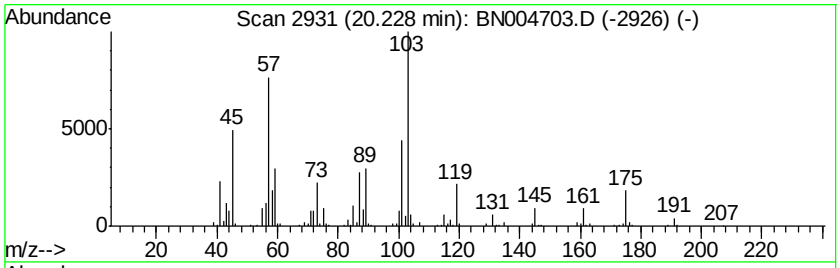
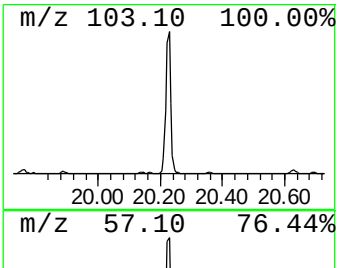
Peak Number 23 unknown-03 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.23	18.25 ng/ul	608621	Chrysene-d12	21.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane-4-methanol, 2-ethyl-	132	C6H12O3	053951-44-3	38
2	Orthoformic acid, tri-sec-butyl ...	232	C13H28O3	016754-48-6	32
3	Propane, 1,1,3,3-tetraethoxy-	220	C11H24O4	000122-31-6	27
4	Butanedioic acid, 2,3-dimethoxy-...	206	C8H14O6	056145-21-2	25
5	Silane, ethoxytrimethyl-	118	C5H14OSi	001825-62-3	25





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Misc :
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Instrument : BNA_N
ClientSampleId : C0958

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Quant Title : SVOA CALIBRATION

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

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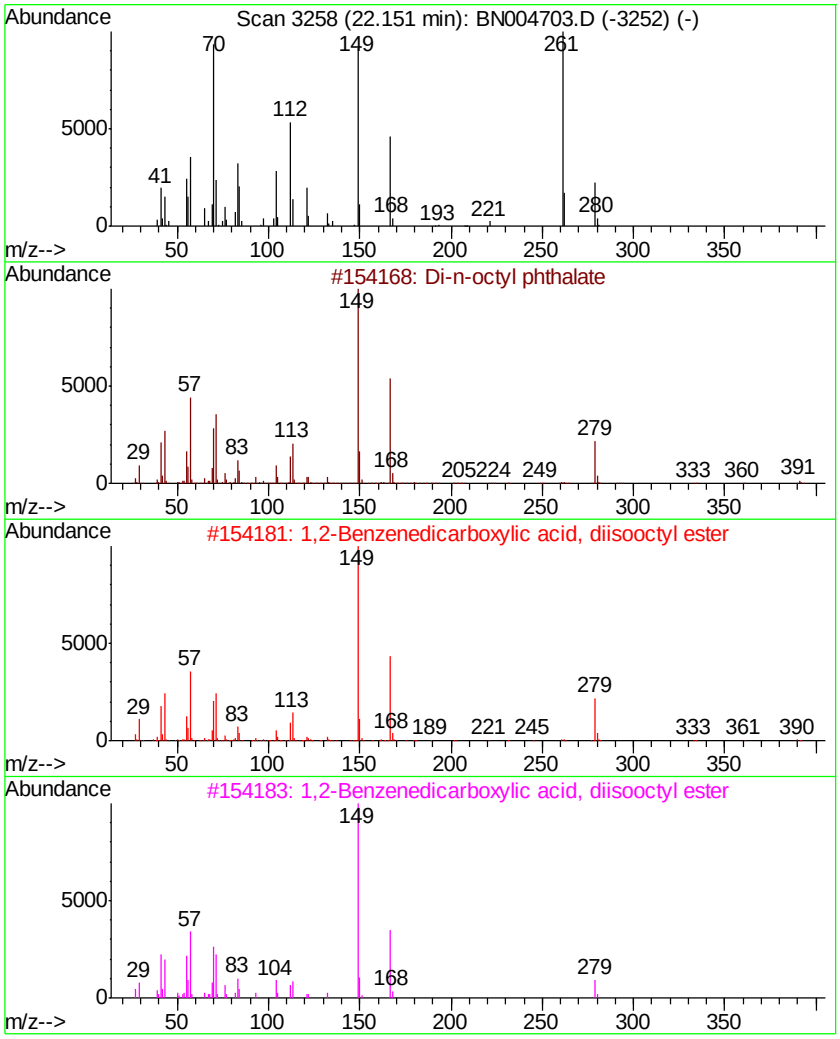
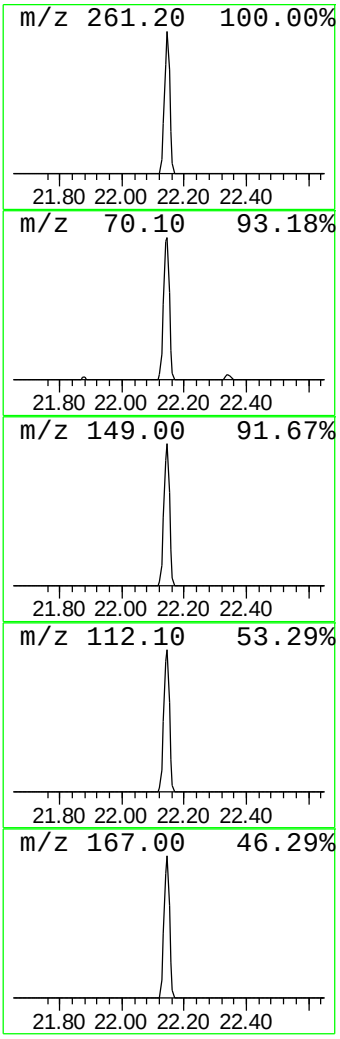
Peak Number 24 unknown-04 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.15	5.97 ng/ul	199061	Chrysene-d12	21.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-n-octyl phthalate	390	C24H38O4	000117-84-0	38
2	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	27
3	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	22
4	Bis(2-ethylhexyl) phthalate	390	C24H38O4	000117-81-7	16
5	Di-n-octyl phthalate	390	C24H38O4	000117-84-0	14





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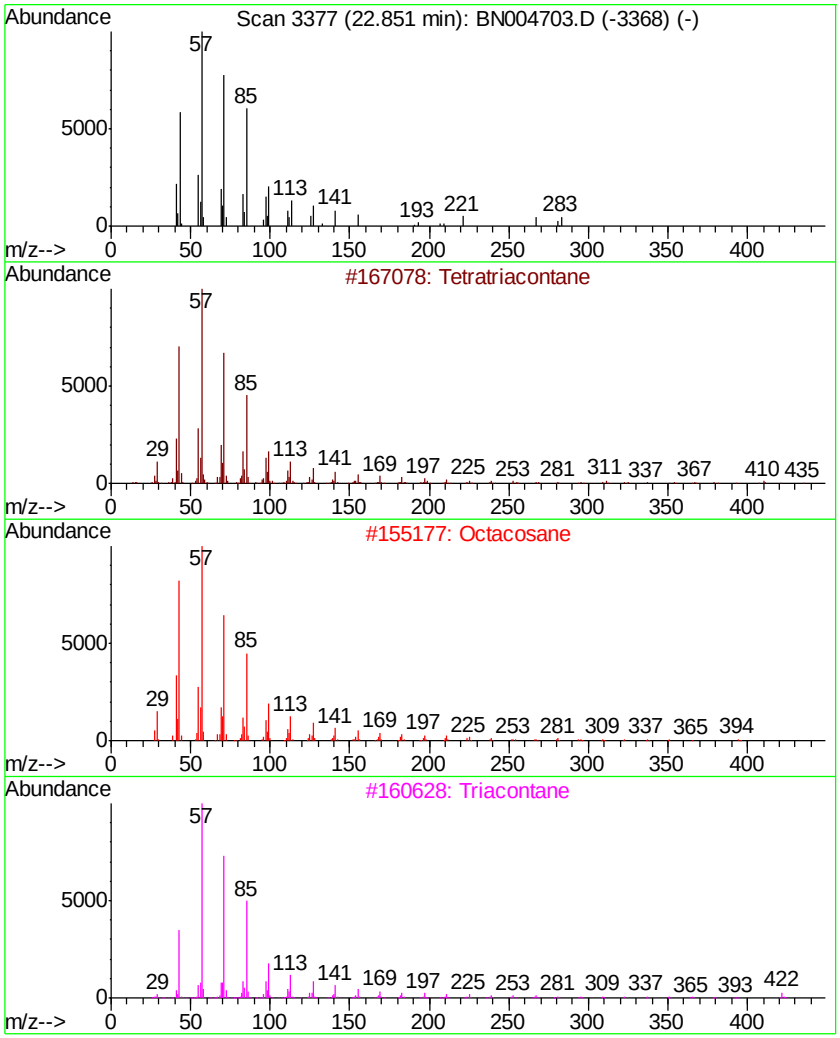
Quant Title : SVOA CALIBRATION

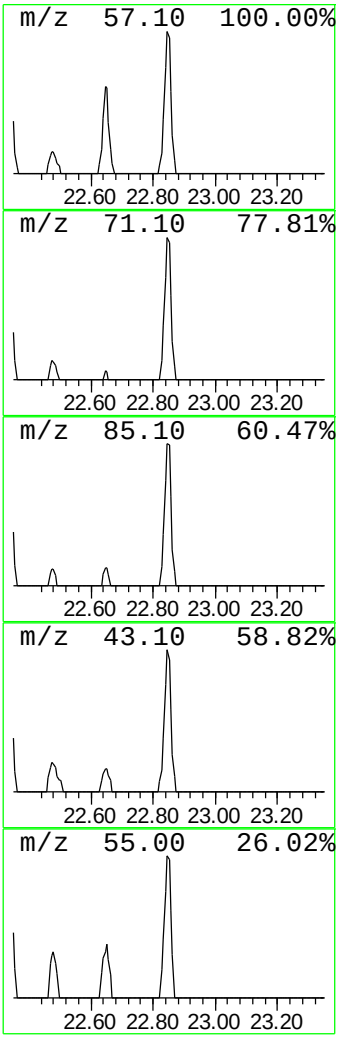
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.85	2.28 ng/ul	61817	Perylene-d12	23.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratriacontane	479	C34H70	014167-59-0	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Tetratetracontane	619	C44H90	007098-22-8	91
5	Hexacosane	366	C26H54	000630-01-3	91





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Quant Title : SVOA CALIBRATION

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

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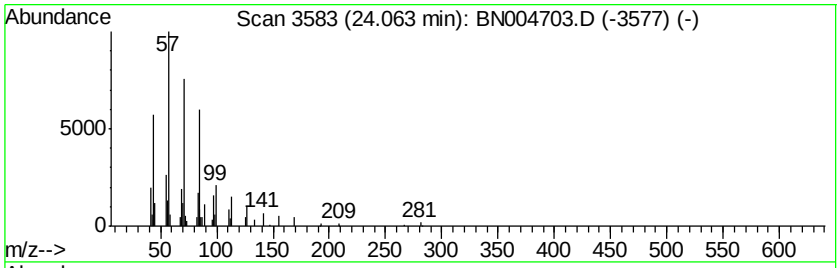
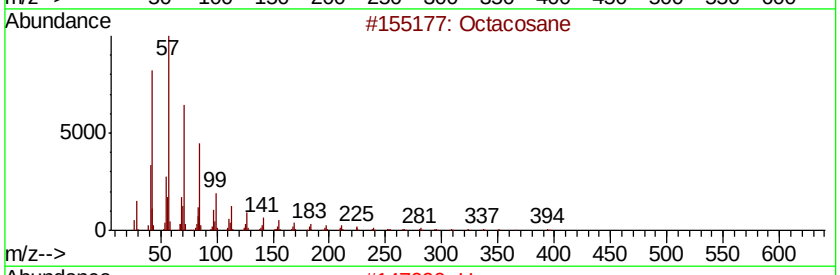
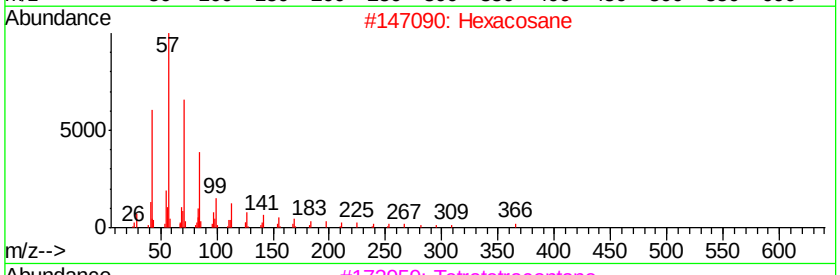
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 17

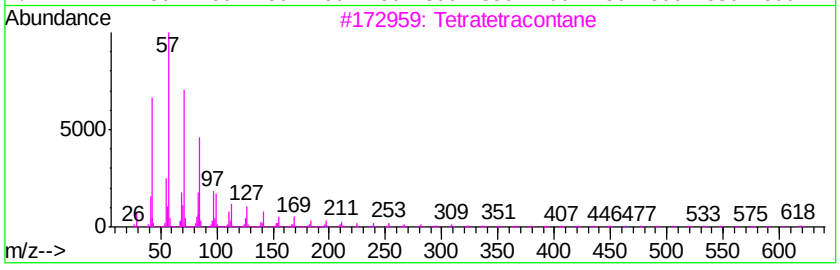
R.T.	EstConc	Area	Relative to ISTD	R.T.
24.06	3.06 ng/ul	83025	Perylene-d12	23.57

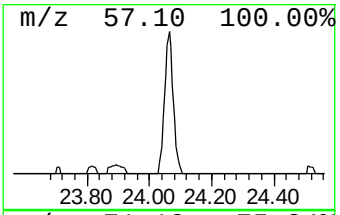
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Tetratetracontane	619	C44H90	007098-22-8	91
4	Tetratriacontane	479	C34H70	014167-59-0	90
5	Heneicosane	296	C21H44	000629-94-7	90

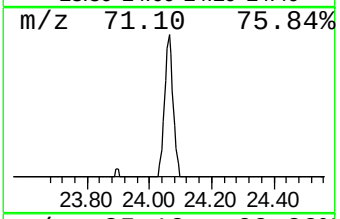


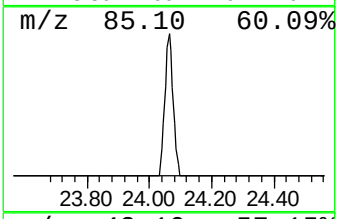


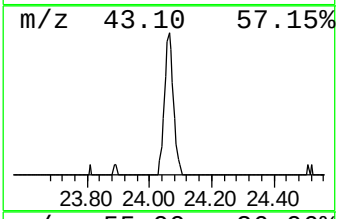


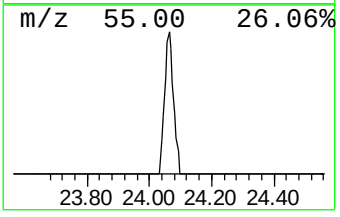












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030819\
Data File : BN004703.D
Acq On : 09 Mar 2019 09:06
Operator : JU/SJ
Sample : K1762-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0958

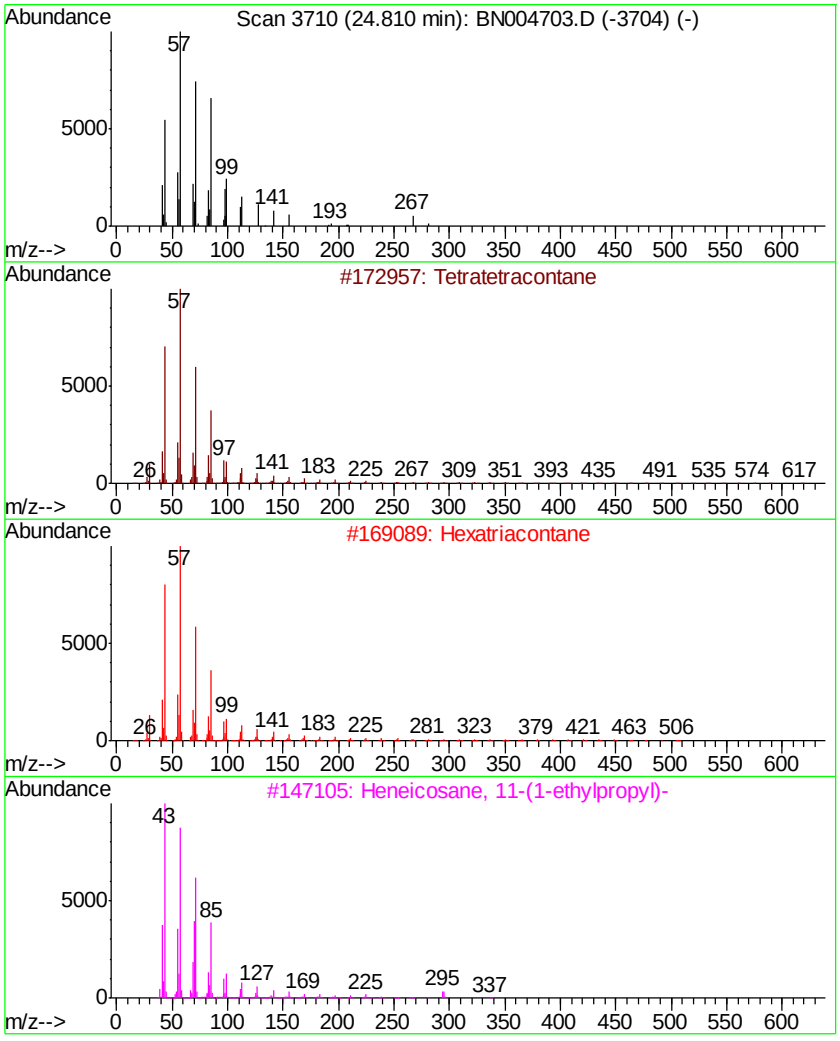
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Quant Title : SVOA CALIBRATION

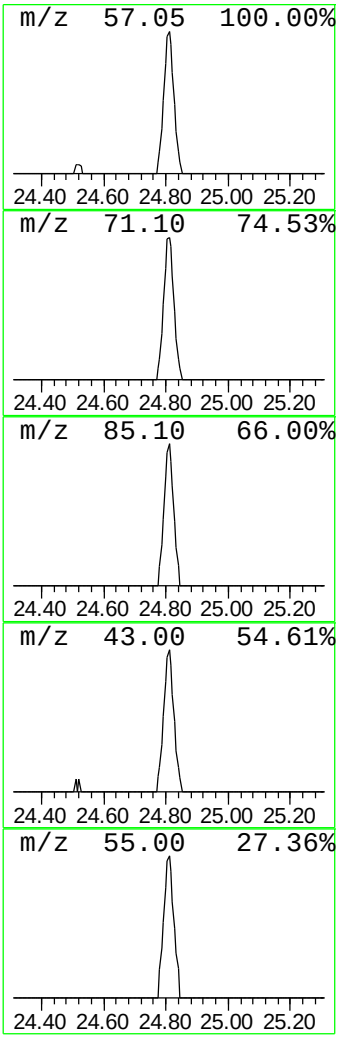
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.81	2.49 ng/ul	67572	Perylene-d12	23.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	91
2	Hexatriacontane	507	C36H74	000630-06-8	91
3	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	90
4	Octadecane, 3-ethyl-5-(2-ethylbu...	366	C26H54	055282-12-7	90
5	Tetratetracontane	619	C44H90	007098-22-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN030819\
Data File : BN004703.D
Acq On : 09 Mar 2019 09:06
Operator : JU/SJ
Sample : K1762-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0958

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
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
Trichloroethylene	3.19	351.0	ng/ul	2883420	1	7.72	164278	20.0
unknown-01	3.84	2.9	ng/ul	24177	1	7.72	164278	20.0
unknown-02	4.06	3.4	ng/ul	28157	1	7.72	164278	20.0
Tetrachloroethylene	4.46	7.5	ng/ul	61745	1	7.72	164278	20.0
Hexanoic acid	5.20	3.1	ng/ul	25905	1	7.72	164278	20.0
p-Xylene	5.74	13.1	ng/ul	107507	1	7.72	164278	20.0
Benzene, 1-chloro...	6.70	2.8	ng/ul	23053	1	7.72	164278	20.0
Hexanoic acid	6.76	6.8	ng/ul	56037	1	7.72	164278	20.0
Benzene, 1-ethyl-...	7.82	2.5	ng/ul	20349	1	7.72	164278	20.0
o-Toluylic acid, ...	8.60	2.1	ng/ul	16980	1	7.72	164278	20.0
Hexanoic acid, 2-...	9.00	8.7	ng/ul	71372	1	7.72	164278	20.0
Ethanone, 1-(4-me...	10.20	3.5	ng/ul	49762	2	10.50	280059	20.0
Benzene, 1-methyl...	10.43	2.9	ng/ul	40171	2	10.50	280059	20.0
Benzoic acid, 2-m...	11.00	3.9	ng/ul	54467	2	10.50	280059	20.0
Benzeneacetic acid	11.05	2.5	ng/ul	34309	2	10.50	280059	20.0
Benzoic acid, 3-m...	11.30	8.1	ng/ul	113228	2	10.50	280059	20.0
Benzoic acid, 4-m...	11.46	8.6	ng/ul	119674	2	10.50	280059	20.0
Ethanone, 1-(2,5-...	12.32	2.4	ng/ul	33434	2	10.50	280059	20.0
Benzoic acid, 2,4...	12.50	4.9	ng/ul	123258	3	14.36	499367	20.0
Benzoic acid, 3,4...	13.12	5.5	ng/ul	137464	3	14.36	499367	20.0
3,6,9,12,15-Penta...	17.77	2.6	ng/ul	71875	4	17.11	543599	20.0
unknown-02	19.24	171.1	ng/ul	5705960	5	21.31	667058	20.0
unknown-03	20.23	18.3	ng/ul	608621	5	21.31	667058	20.0
unknown-04	22.15	6.0	ng/ul	199061	5	21.31	667058	20.0
(DEL) Alkane: Str...	22.85	2.3	ng/ul	61817	6	23.57	542759	20.0
(DEL) Alkane: Str...	24.06	3.1	ng/ul	83025	6	23.57	542759	20.0
(DEL) Alkane: Str...	24.81	2.5	ng/ul	67572	6	23.57	542759	20.0