LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021820\
Data File : BN009761.D
Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

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-BN021220MA.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	3.052	8	11	25	rVB	47184	70802	1.05%	0.086%
2	5.940	497	502	508	rBV	65475	96499	1.43%	0.117%
3	6.617	612	617	631	rBV	166026	290384	4.32%	0.353%
4	6.769	638	643	649	rBV	553535	864200	12.85%	1.050%
5	6.817	649	651	659	rVB	42288	55438	0.82%	0.067%
6	6.958	669	675	687	rBV	624928	1020491	15.17%	1.240%
7	7.411	746	752	763	rBV	527536	869599	12.93%	1.057%
8	8.128	867	874	882	rBV	494418	811857	12.07%	0.987%
9	8.558	940	947	958	rVV2	870985	1763350	26.21%	2.143%
10	8.746	973	979	986	rBV	823603	1237182	18.39%	1.504%
11	8.852	990	997	1005	rVV	381940	634884	9.44%	0.772%
12	8.928	1005	1010	1020	rVV	296441	486171	7.23%	0.591%
13	9.269	1061	1068	1083	rBV	645245	1095712	16.29%	1.332%
14	9.587	1114	1122	1127	rVV4	24173	52106	0.77%	0.063%
15	9.799	1151	1158	1178	rBV	809723	1518415	22.57%	1.845%
16	10.163	1213	1220	1226	rVV	755059	1253640	18.64%	1.524%
17	10.228	1226	1231	1238	rVV4	32837	88190	1.31%	0.107%
18	10.358	1243	1253	1260	rVV4	83749	256193	3.81%	0.311%
19	10.422	1260	1264	1268	rVV	51497	94307	1.40%	0.115%
20	10.463	1268	1271	1278	rVB4	27532	46362	0.69%	0.056%
21	10.593	1288	1293	1298	rBV2	34551	55812	0.83%	0.068%
22	11.263	1401	1407	1414	rBV	256177	433904	6.45%	0.527%
23	11.722	1478	1485	1492	rBV	540590	882803	13.12%	1.073%
24	12.040	1533	1539	1549	rBV	107586	196013	2.91%	0.238%
25	12.522	1615	1621	1630	rBV7	23410	44774	0.67%	0.054%
26	12.875	1674	1681	1688	rBV	4684525	6726778	100.00%	8.175%
27	13.104	1715	1720	1726	rVB4	63010	91970	1.37%	0.112%
28	13.187	1729	1734	1737	rBV	47658	69652	1.04%	0.085%
29	13.299	1749	1753	1758	rBV	33275	44808	0.67%	0.054%
30	13.481	1775	1784	1789	rVV	1667233	2347141	34.89%	2.852%
31	13.528	1789	1792	1796	rVV	59040	82208	1.22%	0.100%
32	13.740	1821	1828	1839	rBV	1835701	2665118	39.62%	3.239%
33	13.893	1849	1854	1858	rBV	34572	47331	0.70%	0.058%
34	14.051	1875	1881	1887	rVV	1158420	1646545	24.48%	2.001%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021820\
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Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

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-BN021220MA.M
Title : SVOA CALIBRATION

35	14.116	1887	1892	1897	rVV	2857313	4115100	61.17%	5.001%
36	14.151	1897	1898	1905	rVV2	101700	111385	1.66%	0.135%
37	14.246	1908	1914	1920	rVV4	44138	77893	1.16%	0.095%
38	14.310	1920	1925	1931	rVV2	130465	251259	3.74%	0.305%
39	14.369	1931	1935	1941	rVV	85387	137300	2.04%	0.167%
40	14.563	1963	1968	1980	rBV4	53634	99258	1.48%	0.121%
41	14.751	1996	2000	2004	rBV	31283	39720	0.59%	0.048%
42	15.010	2038	2044	2046	rVV4	32073	51496	0.77%	0.063%
43	15.057	2046	2052	2058	rVV	2375667	3396053	50.49%	4.127%
44	15.110	2058	2061	2066	rVV	132352	183696	2.73%	0.223%
45	15.210	2072	2078	2088	rBV	989149	1531552	22.77%	1.861%
46	15.304	2088	2094	2100	rVV6	53991	131405	1.95%	0.160%
47	15.363	2100	2104	2107	rVB5	28289	39862	0.59%	0.048%
48	15.416	2107	2113	2114	rBV	485749	694109	10.32%	0.844%
49	15.434	2114	2116	2121	rVV	651602	830937	12.35%	1.010%
50	15.522	2126	2131	2134	rVV	265832	381119	5.67%	0.463%
51	15.563	2134	2138	2146	rVB	487392	864111	12.85%	1.050%
52	15.645	2148	2152	2157	rBV	58246	87337	1.30%	0.106%
53	15.828	2172	2183	2191	rBV2	2395435	6326693	94.05%	7.689%
54	15.998	2204	2212	2217	rBV	309353	479839	7.13%	0.583%
55	16.045	2217	2220	2223	rVV	118432	193409	2.88%	0.235%
56	16.098	2225	2229	2236	rVV	380190	550290	8.18%	0.669%
57	16.404	2264	2281	2288	rBV	718053	1846021	27.44%	2.243%
58	16.528	2296	2302	2310	rBV	369280	780464	11.60%	0.949%
59	16.598	2310	2314	2316	rBV	91070	127431	1.89%	0.155%
60	16.628	2316	2319	2323	rVB	216610	269253	4.00%	0.327%
61	16.751	2327	2340	2345	rBV	1198184	2601253	38.67%	3.161%
62	16.810	2345	2350	2355	rVB	1446362	1992801	29.62%	2.422%
63	16.910	2361	2367	2374	rBV	2728411	3981001	59.18%	4.838%
64	16.963	2374	2376	2381	rVB2	83939	111629	1.66%	0.136%
65	17.081	2393	2396	2401	rVB4	27578	41157	0.61%	0.050%
66	17.175	2407	2412	2415	rBV	58267	99242	1.48%	0.121%
67	17.222	2415	2420	2425	rVV	901117	1216126	18.08%	1.478%
68	17.269	2425	2428	2434	rVB4	61869	92780	1.38%	0.113%
69	17.451	2450	2459	2463	rBV3	104833	186005	2.77%	0.226%
70	17.616	2482	2487	2490	rBV2	42281	67420	1.00%	0.082%
71	17.739	2503	2508	2520	rBV2	501574	773852	11.50%	0.940%

LSC Area Percent Report

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Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

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-BN021220MA.M
Title : SVOA CALIBRATION

72	17.875	2527	2531	2541	rVB4	65865	110569	1.64%	0.134%
73	18.039	2553	2559	2563	rBV	223553	323782	4.81%	0.393%
74	18.134	2568	2575	2584	rVV	192847	333959	4.96%	0.406%
75	18.239	2587	2593	2600	rVB4	46139	94865	1.41%	0.115%
76	18.357	2609	2613	2618	rBV7	29155	38787	0.58%	0.047%
77	18.539	2639	2644	2649	rBV5	33309	53227	0.79%	0.065%
78	18.616	2653	2657	2661	rBV	53889	76367	1.14%	0.093%
79	18.763	2677	2682	2688	rVB	73672	99240	1.48%	0.121%
80	18.845	2691	2696	2699	rBV	45707	75535	1.12%	0.092%
81	18.881	2699	2702	2710	rVB	127565	161765	2.40%	0.197%
82	18.992	2717	2721	2725	rBV3	40951	61577	0.92%	0.075%
83	19.034	2725	2728	2734	rVV	88123	127137	1.89%	0.155%
84	19.216	2751	2759	2768	rBV	3253642	4453817	66.21%	5.413%
85	19.657	2827	2834	2839	rBV	352638	607244	9.03%	0.738%
86	19.716	2839	2844	2851	rVV	1112525	1630872	24.24%	1.982%
87	20.016	2891	2895	2900	rBV	59003	90164	1.34%	0.110%
88	20.328	2944	2948	2951	rBV	153962	211676	3.15%	0.257%
89	20.369	2951	2955	2961	rVB2	183047	329394	4.90%	0.400%
90	20.769	3018	3023	3029	rBV	560032	760038	11.30%	0.924%
91	21.022	3061	3066	3073	rBV	1739098	2230279	33.16%	2.710%
92	21.210	3095	3098	3102	rBV	68984	79530	1.18%	0.097%
93	21.504	3145	3148	3154	rBV2	55322	74746	1.11%	0.091%
94	21.633	3166	3170	3181	rBV2	104895	191258	2.84%	0.232%
95	22.063	3239	3243	3248	rBV	163138	189091	2.81%	0.230%
96	22.533	3319	3323	3327	rBV	193118	244206	3.63%	0.297%
97	23.004	3396	3403	3408	rBV	2526549	4221176	62.75%	5.130%
98	23.051	3408	3411	3418	rVB	211220	310542	4.62%	0.377%
99	23.133	3418	3425	3432	rBV	1225638	2122410	31.55%	2.579%
100	23.639	3506	3511	3517	rVB	158266	279556	4.16%	0.340%

Sum of corrected areas: 82283706

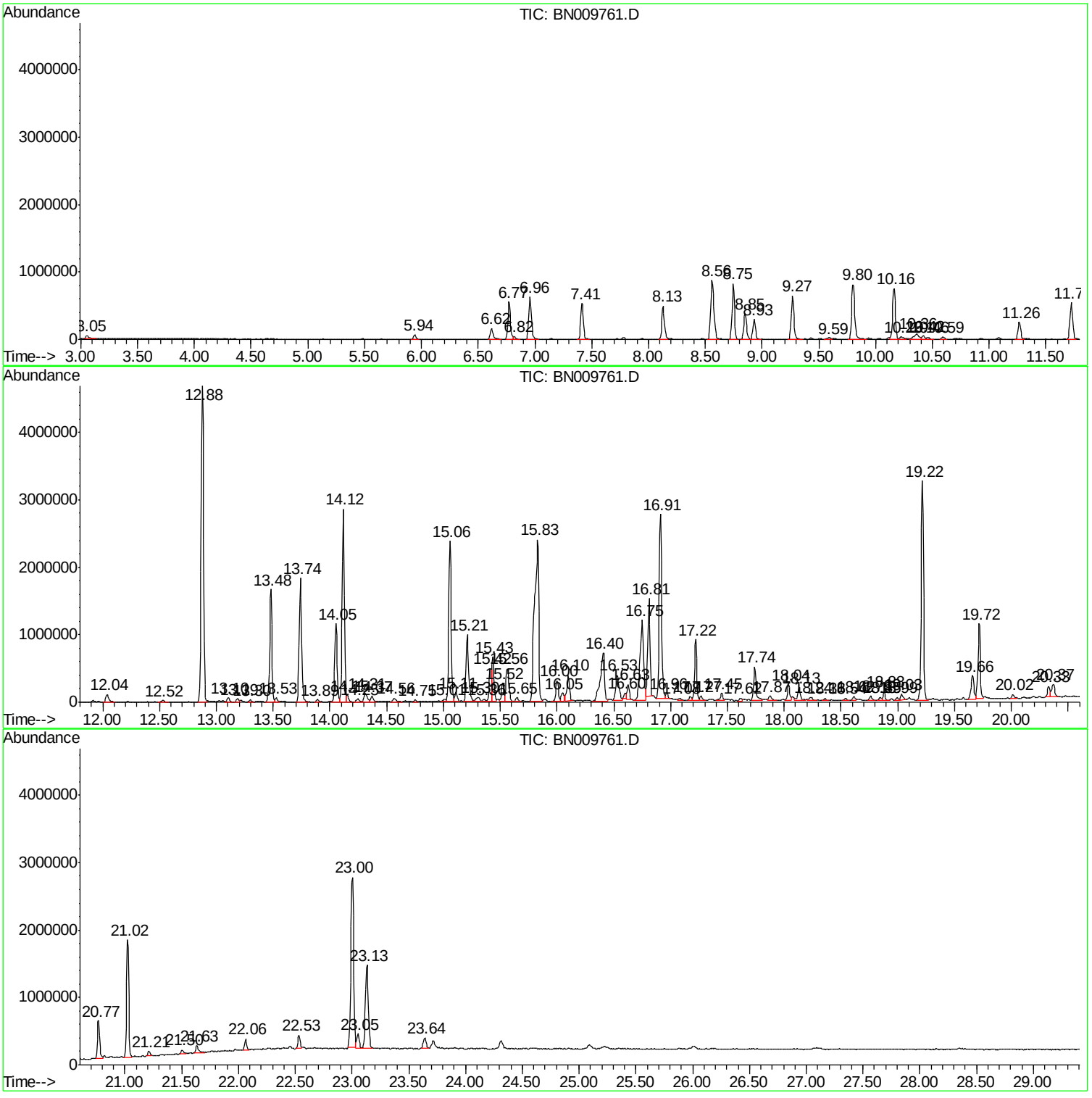
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021820\
Data File : BN009761.D
Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021820\
Data File : BN009761.D
Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

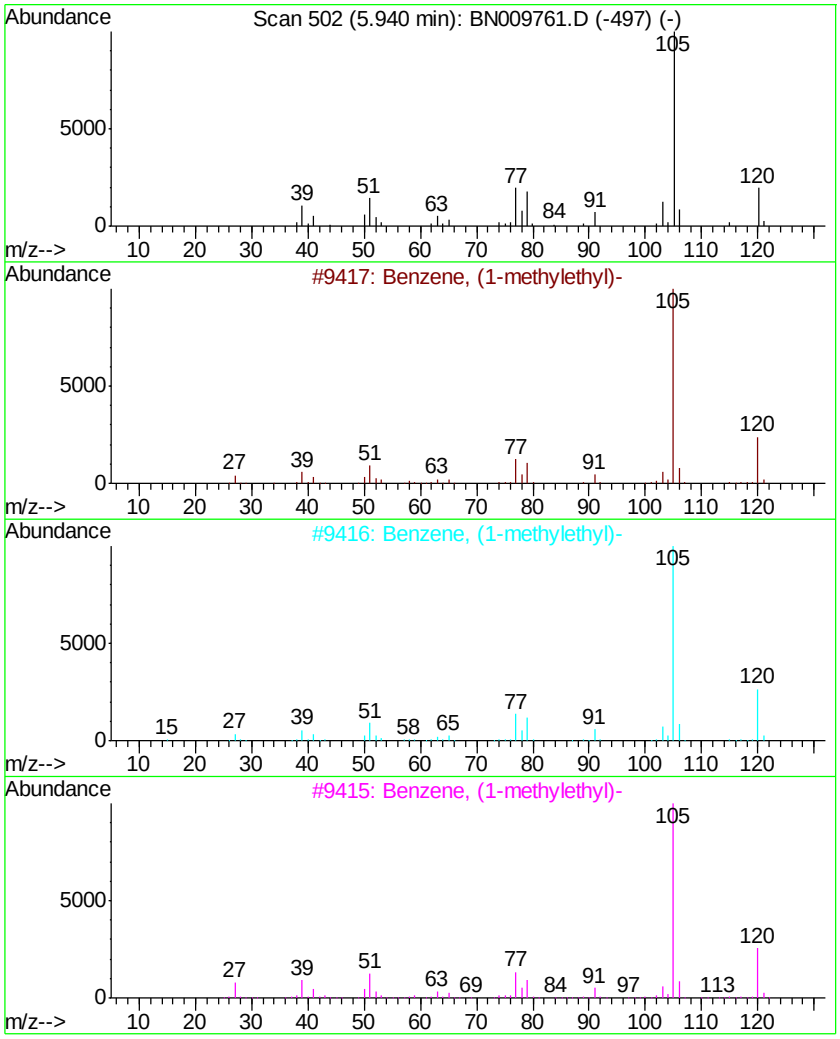
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

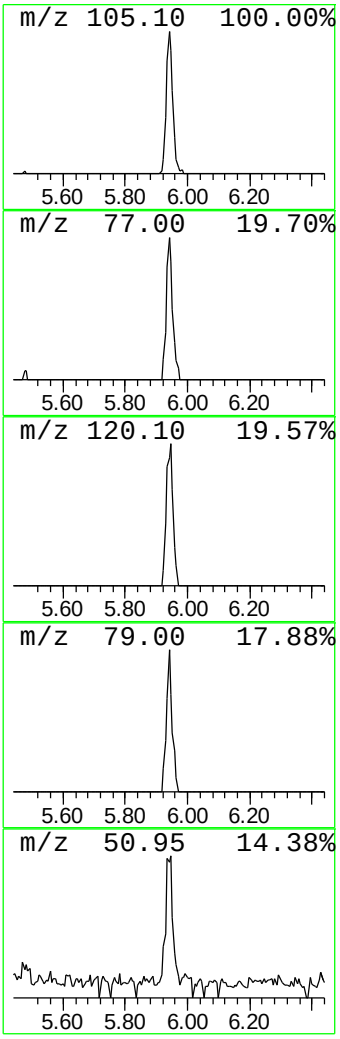
****

Peak Number 1 Benzene, (1-methylethyl)- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	2.22 ng/ul	96499	1,4-Dichlorobenzene-d4	7.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	87
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021820\
Data File : BN009761.D
Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

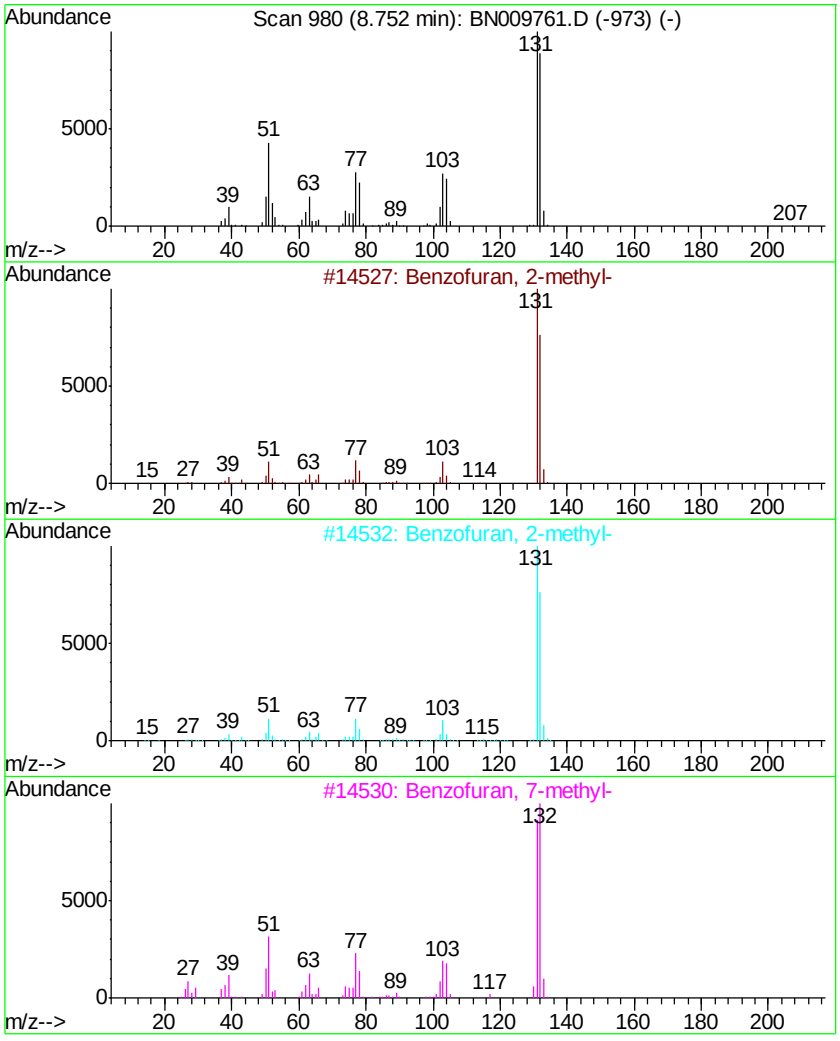
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

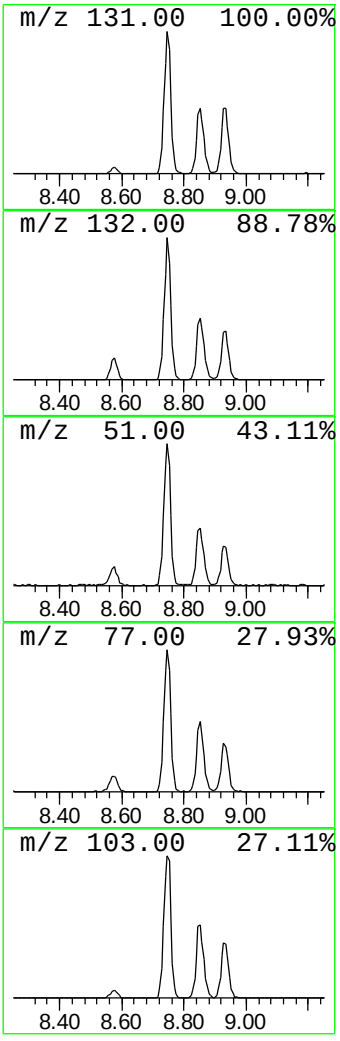
****

Peak Number 2 Benzofuran, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	28.45 ng/ul	1237180	1,4-Dichlorobenzene-d4	7.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	95
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
3	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	91
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021820\
Data File : BN009761.D
Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

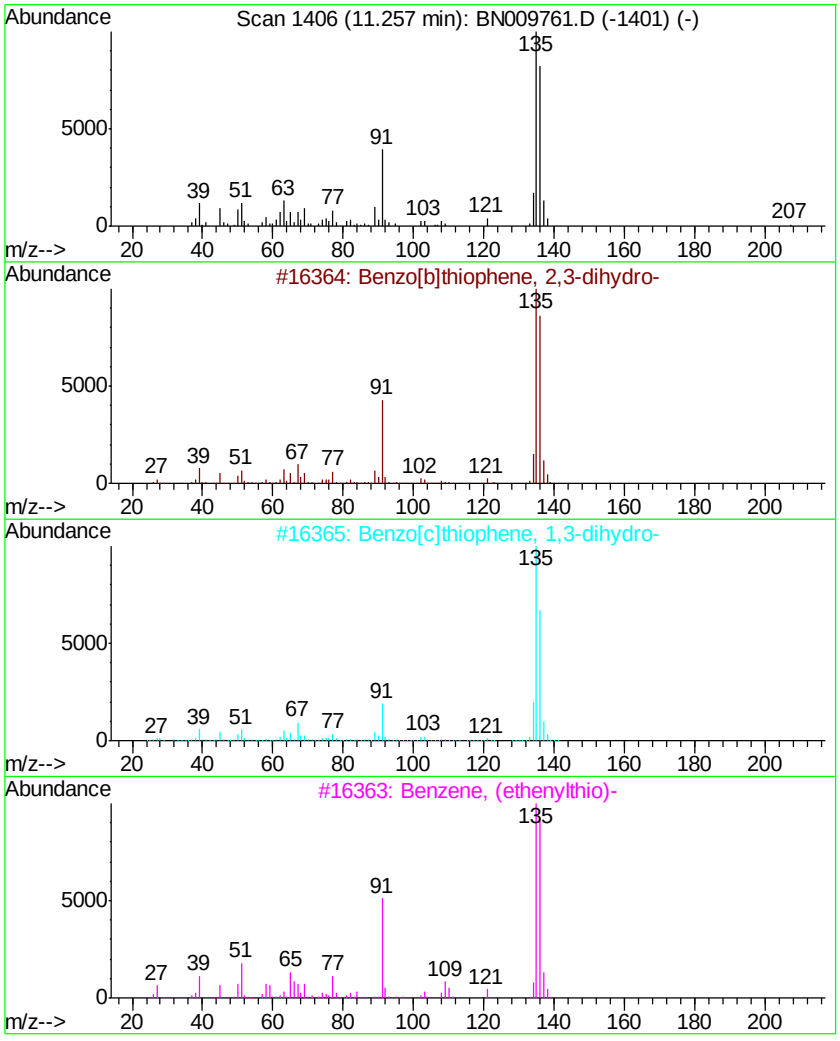
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

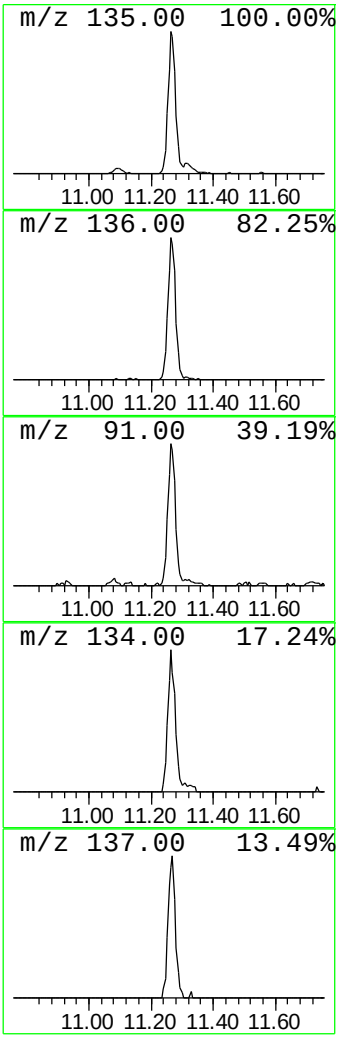
****

Peak Number 5 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	6.92 ng/ul	433904	Naphthalene-d8	10.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	95
2	Benzo[c]thiophene, 1,3-dihydro-	136	C8H8S	002471-92-3	83
3	Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	83
4	Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	83
5	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021820\
Data File : BN009761.D
Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

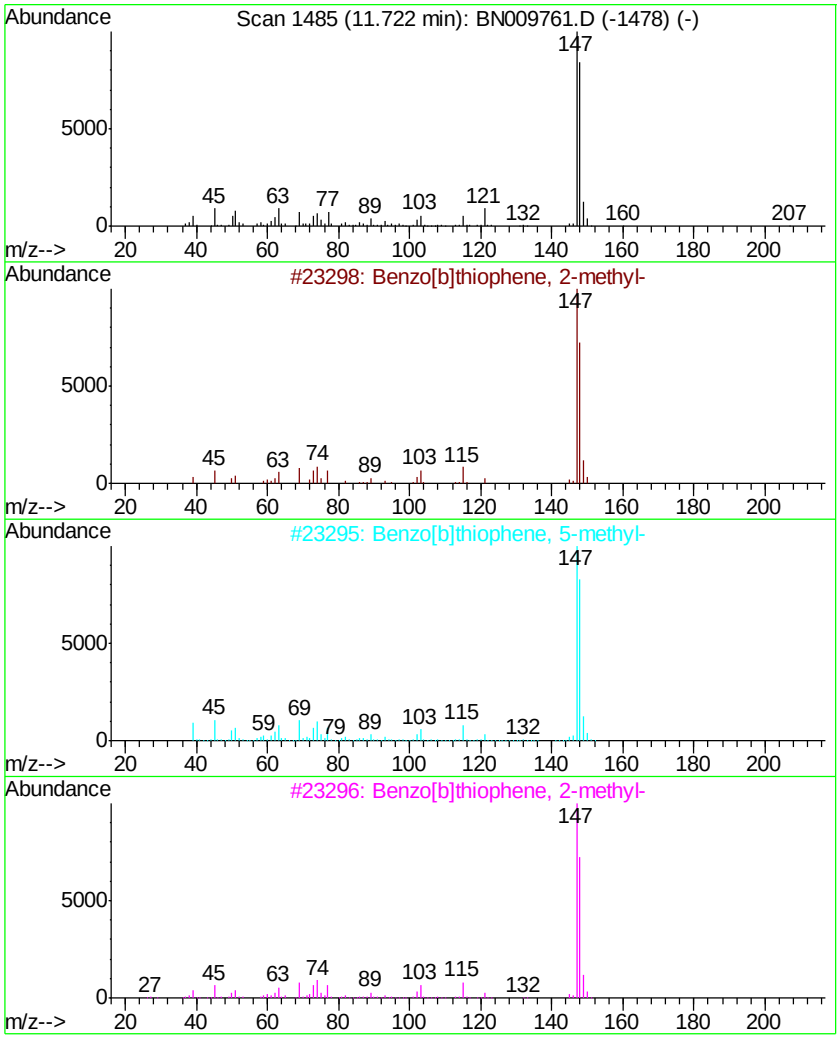
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

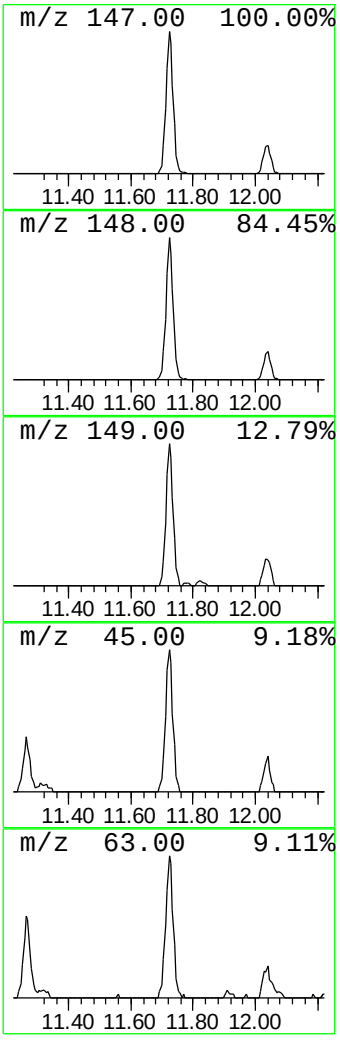
****

Peak Number 6 Benzo[b]thiophene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	14.08 ng/ul	882803	Naphthalene-d8	10.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
2	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	90
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	90
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021820\
Data File : BN009761.D
Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

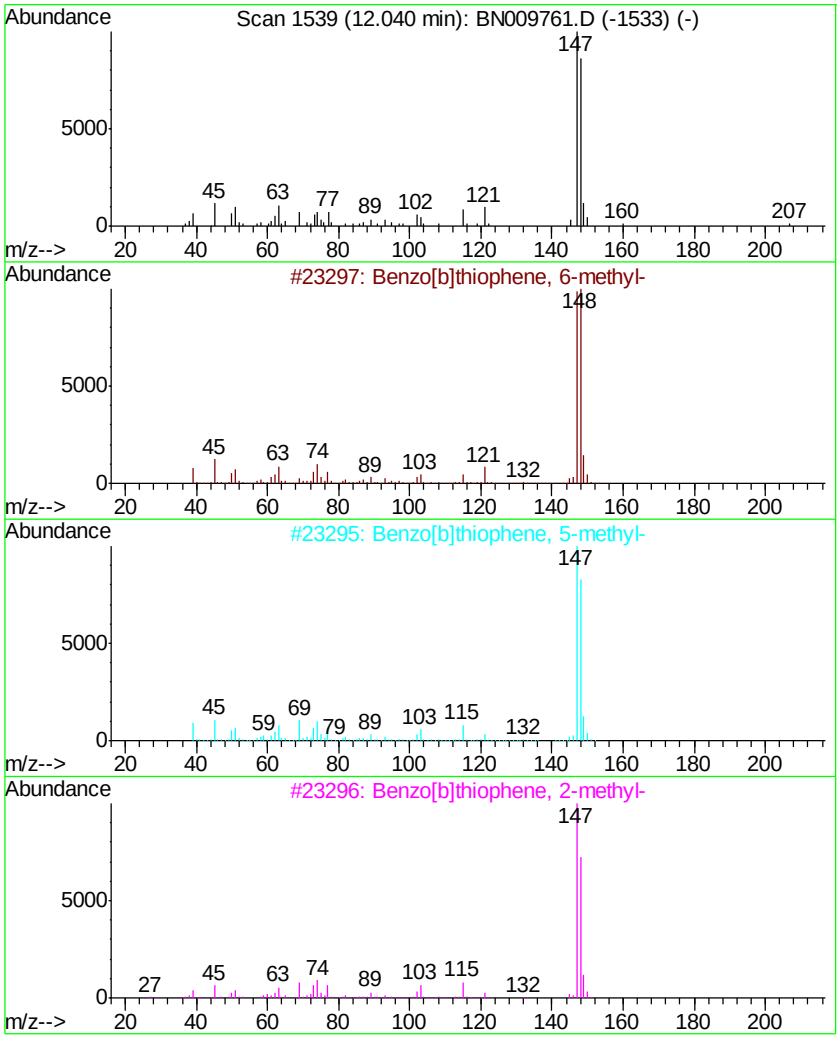
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

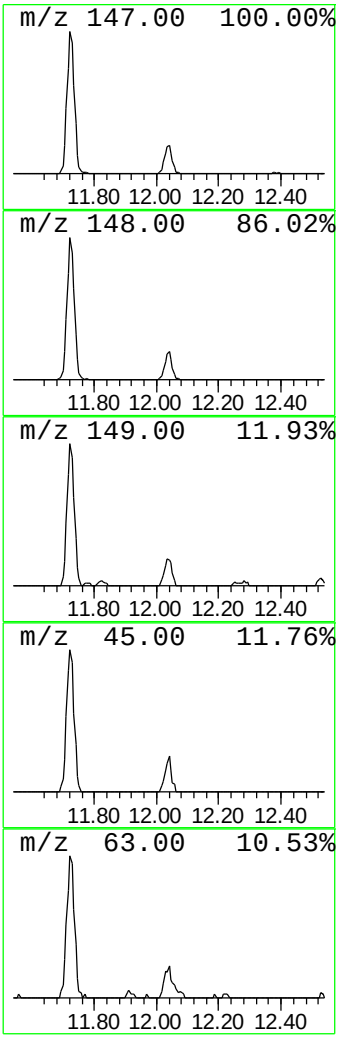
****

Peak Number 7 Benzo[b]thiophene, 6-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	3.13 ng/ul	196013	Naphthalene-d8	10.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	93
2	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	93
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	87
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	83





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Misc :
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ClientSampleId : DBD66

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Quant Title : SVOA CALIBRATION

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

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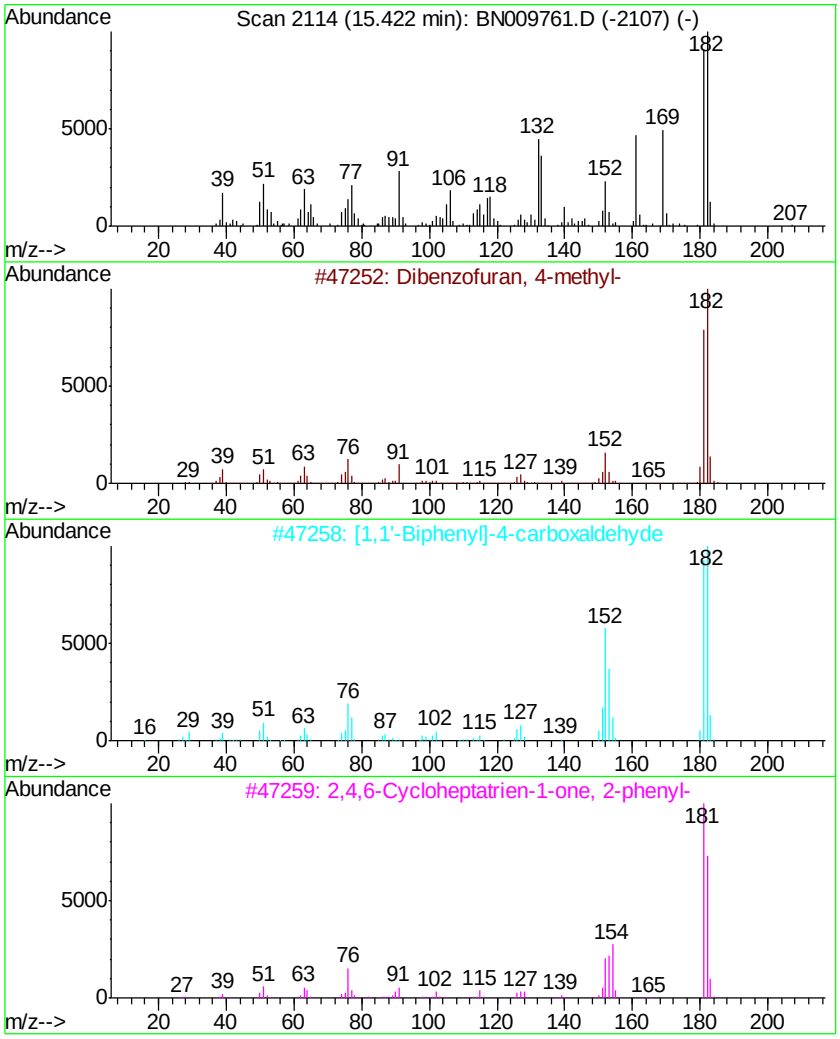
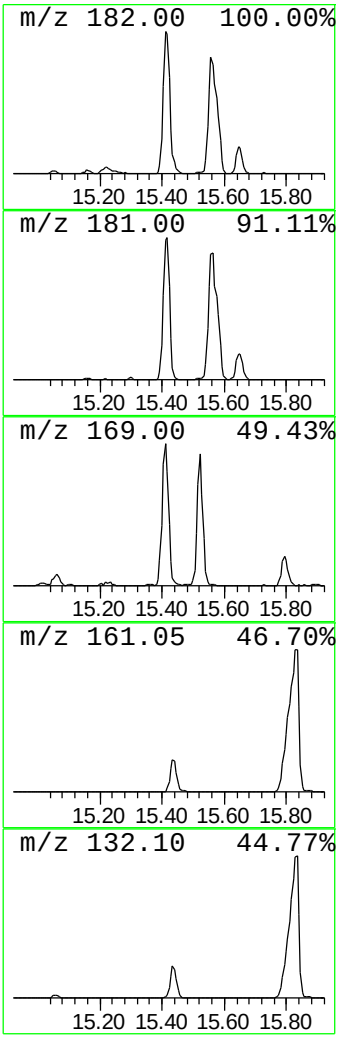
Peak Number 8 Dibenzofuran, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	8.43 ng/ul	694109	Acenaphthene-d10	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	96
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	70
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	62
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	58
5	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	52





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Quant Title : SVOA CALIBRATION

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

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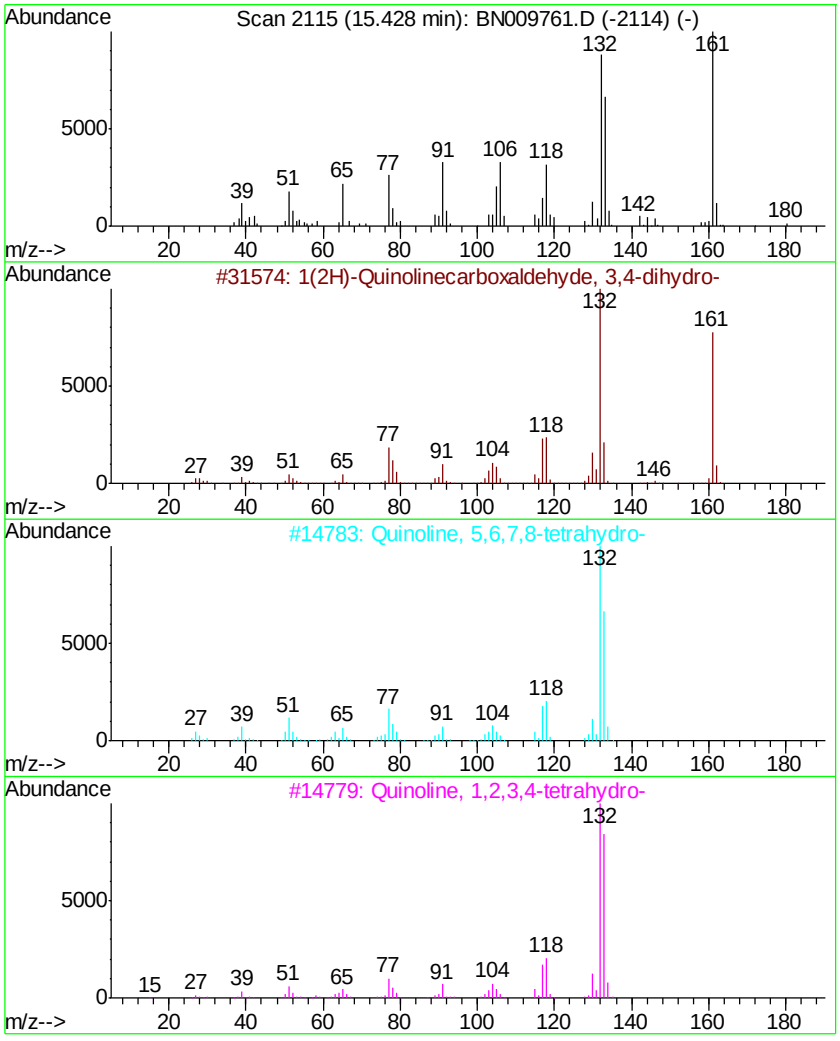
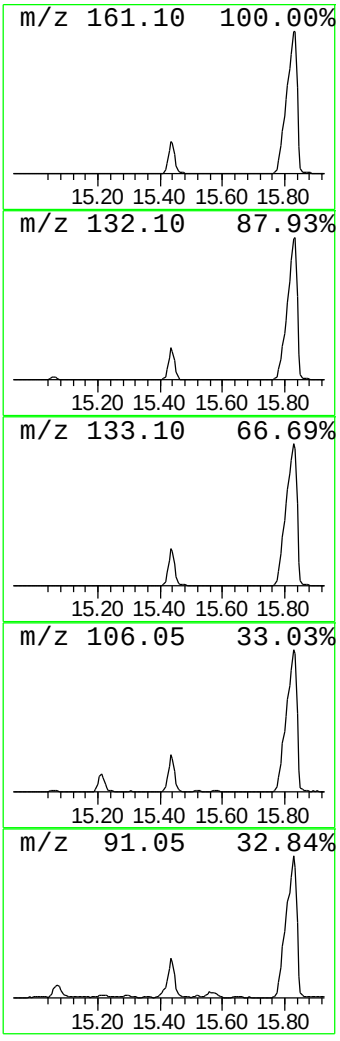
Peak Number 9 1(2H)-Quinolinecarboxaldehy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	8.34 ng/ul	830937	Phenanthrene-d10	16.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Quinolinecarboxaldehyde, 3...	161	C10H11NO	002739-16-4	72
2	Quinoline, 5,6,7,8-tetrahydro-	133	C9H11N	010500-57-9	60
3	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	55
4	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	55
5	1,4-Dihydrobenzo[e][1,2,4]triaze...	161	C8H7N3O	057711-25-8	52





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Quant Title : SVOA CALIBRATION

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

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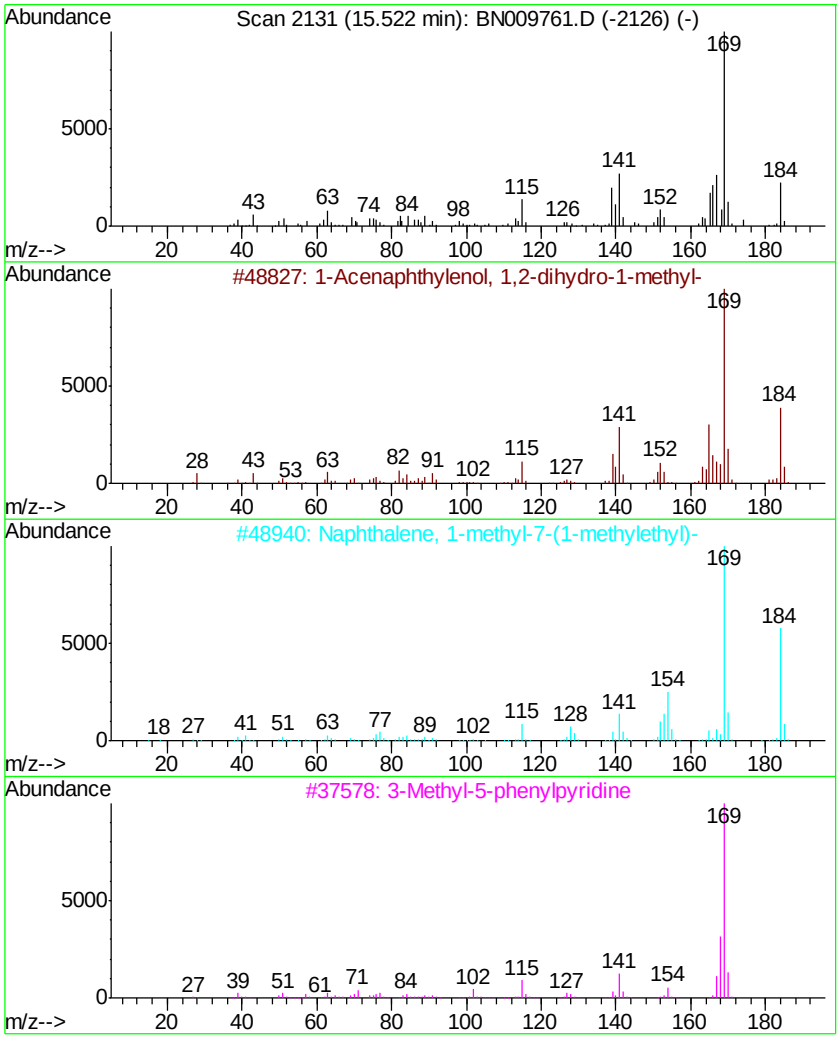
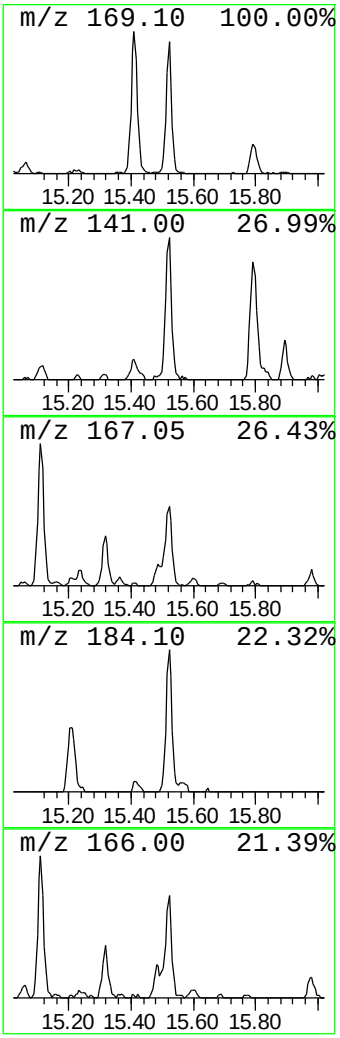
Peak Number 10 1-Acenaphthylenol, 1,2-dihy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	3.82 ng/ul	381119	Phenanthrene-d10	16.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acenaphthylenol, 1,2-dihydro-1...	184	C13H12O	041002-74-8	50
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	47
3	3-Methyl-5-phenylpyridine	169	C12H11N	010477-94-8	47
4	Pyridine, 4-(phenylmethyl)-	169	C12H11N	002116-65-6	43
5	[1,1'-Biphenyl]-4-amine	169	C12H11N	000092-67-1	38





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Quant Title : SVOA CALIBRATION

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

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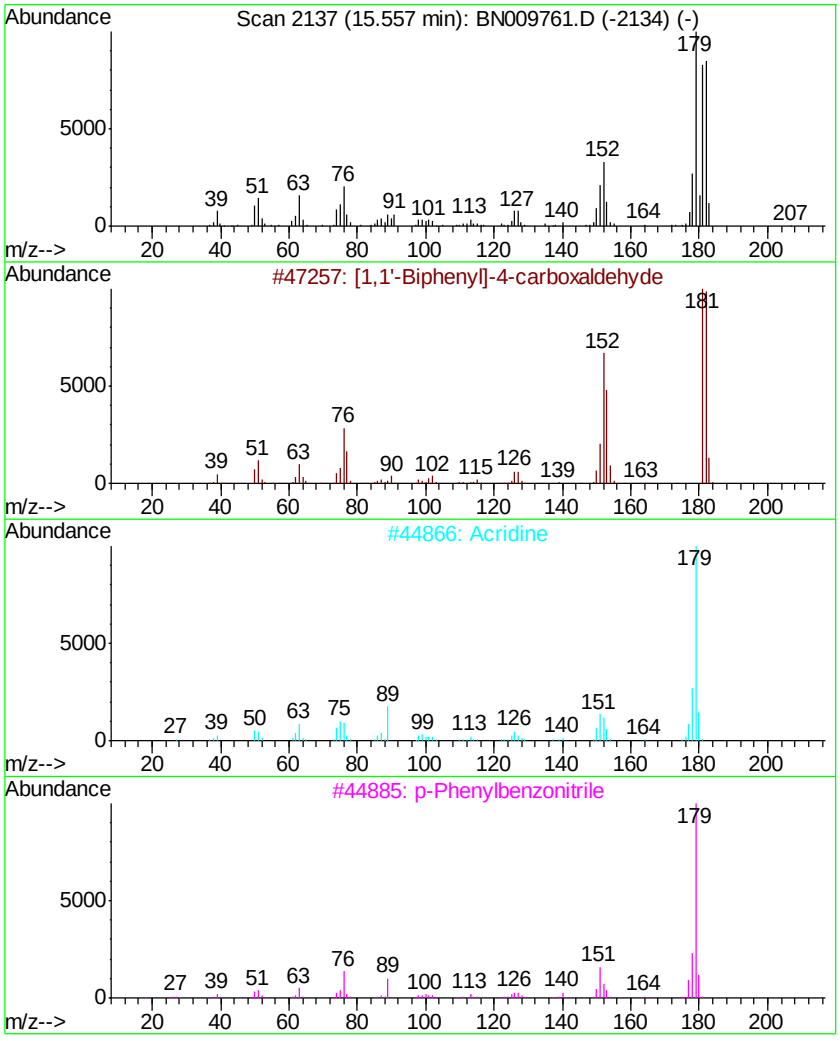
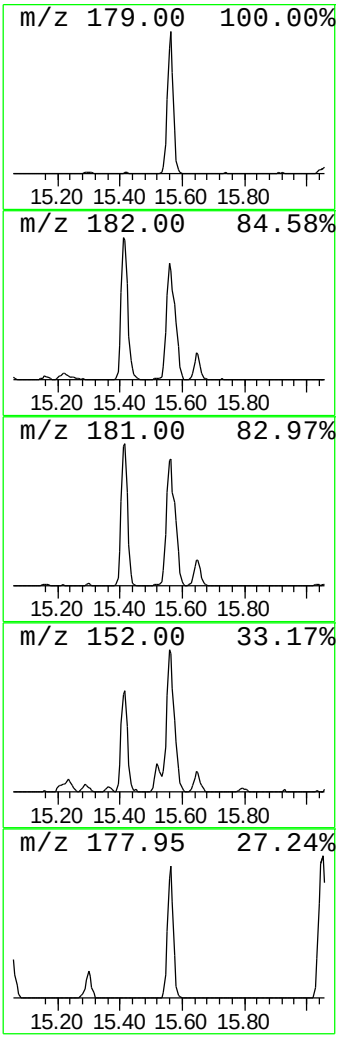
Peak Number 11 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	8.67 ng/ul	864111	Phenanthrene-d10	16.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
2	Acridine	179	C13H9N	000260-94-6	64
3	p-Phenylbenzonitrile	179	C13H9N	002920-38-9	64
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	64
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	60





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Quant Title : SVOA CALIBRATION

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

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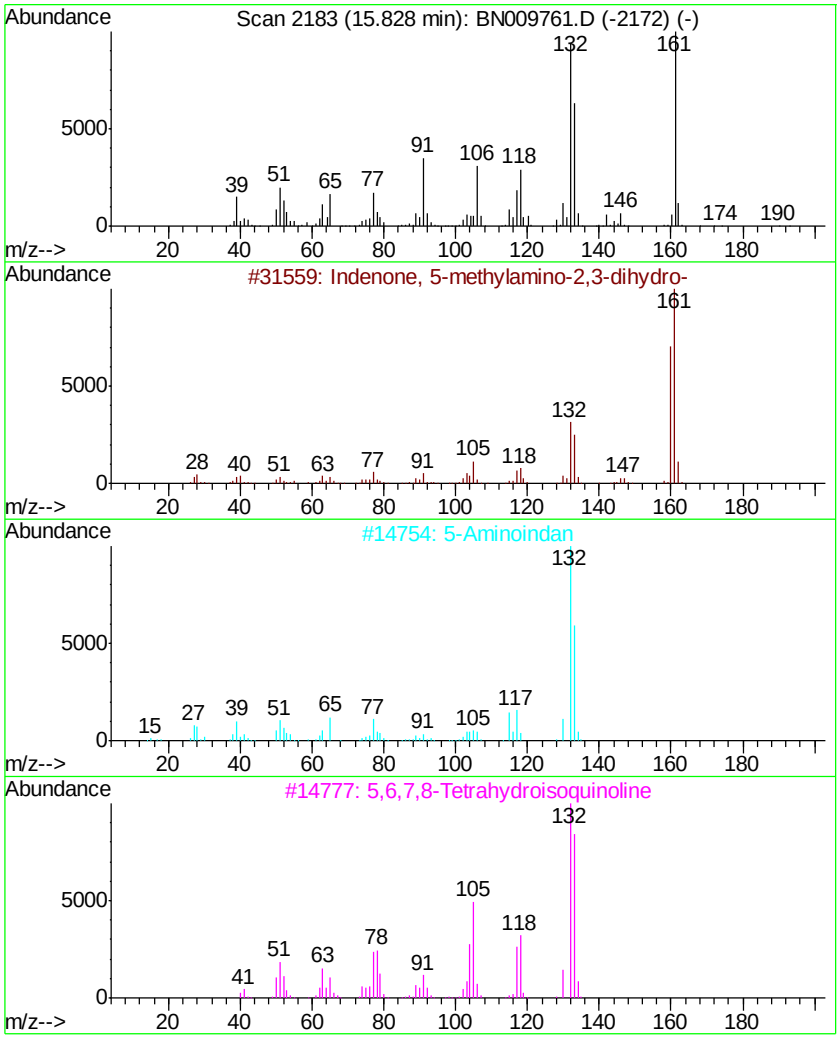
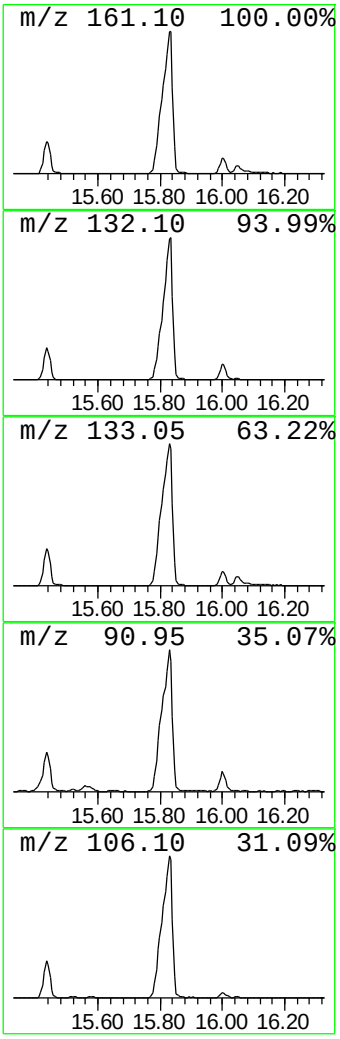
Peak Number 12 Indenone, 5-methylamino-2,3... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	63.50 ng/ul	6326690	Phenanthrene-d10	16.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indenone, 5-methylamino-2,3-dihy...	161	C10H11NO	1000153-18-7	81
2	5-Aminoindan	133	C9H11N	024425-40-9	55
3	5,6,7,8-Tetrahydroisoquinoline	133	C9H11N	1000379-32-5	55
4	Quinoline, 5,6,7,8-tetrahydro-	133	C9H11N	010500-57-9	53
5	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	50





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Quant Title : SVOA CALIBRATION

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

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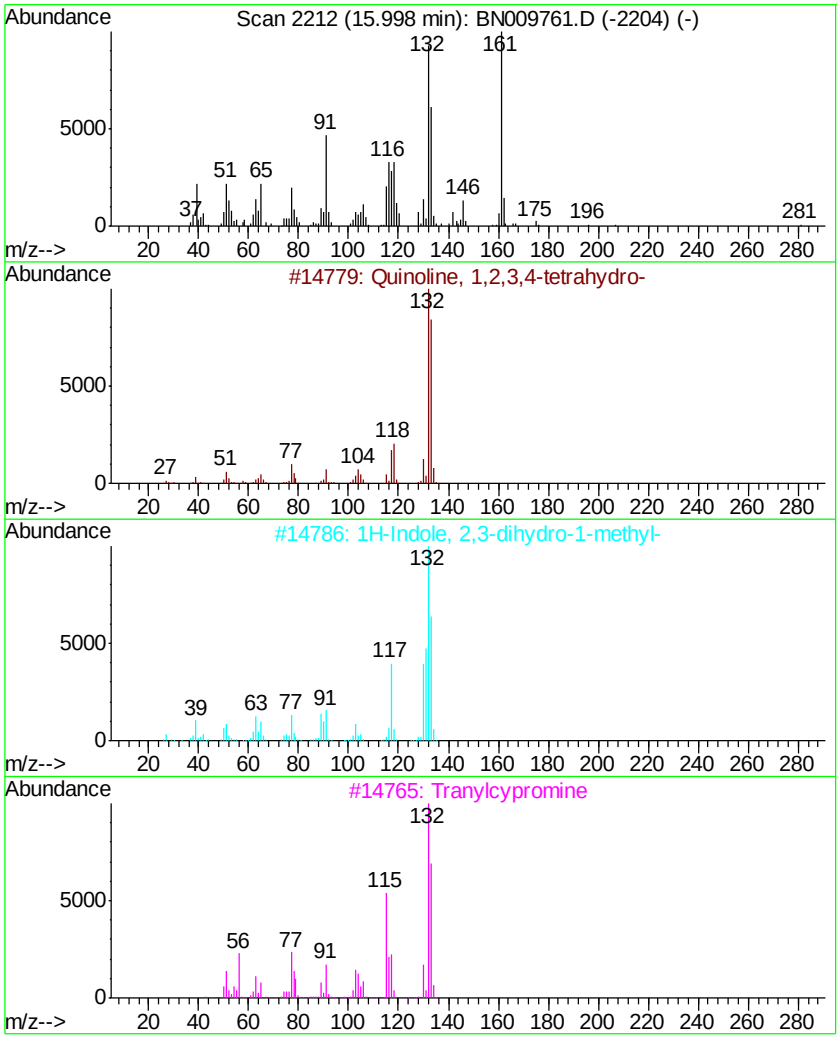
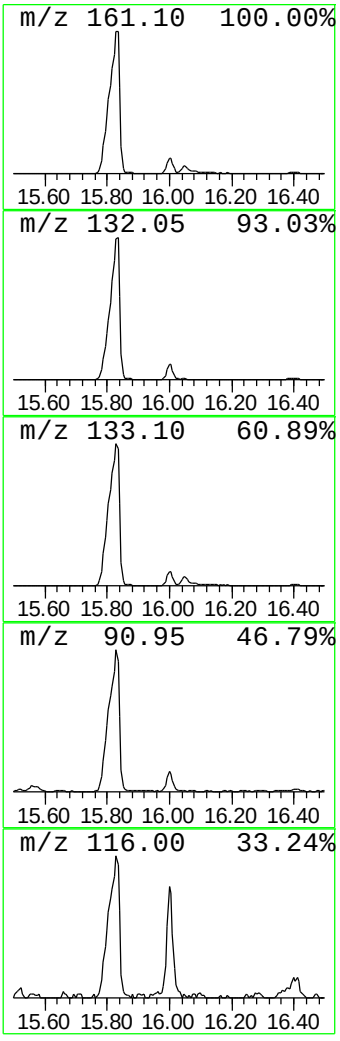
Peak Number 13 Quinoline, 1,2,3,4-tetrahydro- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	4.82 ng/ul	479839	Phenanthrene-d10	16.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	55
2	1H-Indole, 2,3-dihydro-1-methyl-	133	C9H11N	000824-21-5	50
3	Tranylcypromine	133	C9H11N	000155-09-9	49
4	1,4-Dihydrobenzo[e][1,2,4]triaze...	161	C8H7N3O	057711-25-8	46
5	Quinoline, 5,6,7,8-tetrahydro-	133	C9H11N	010500-57-9	46





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ClientSampleId : DBD66

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Quant Title : SVOA CALIBRATION

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

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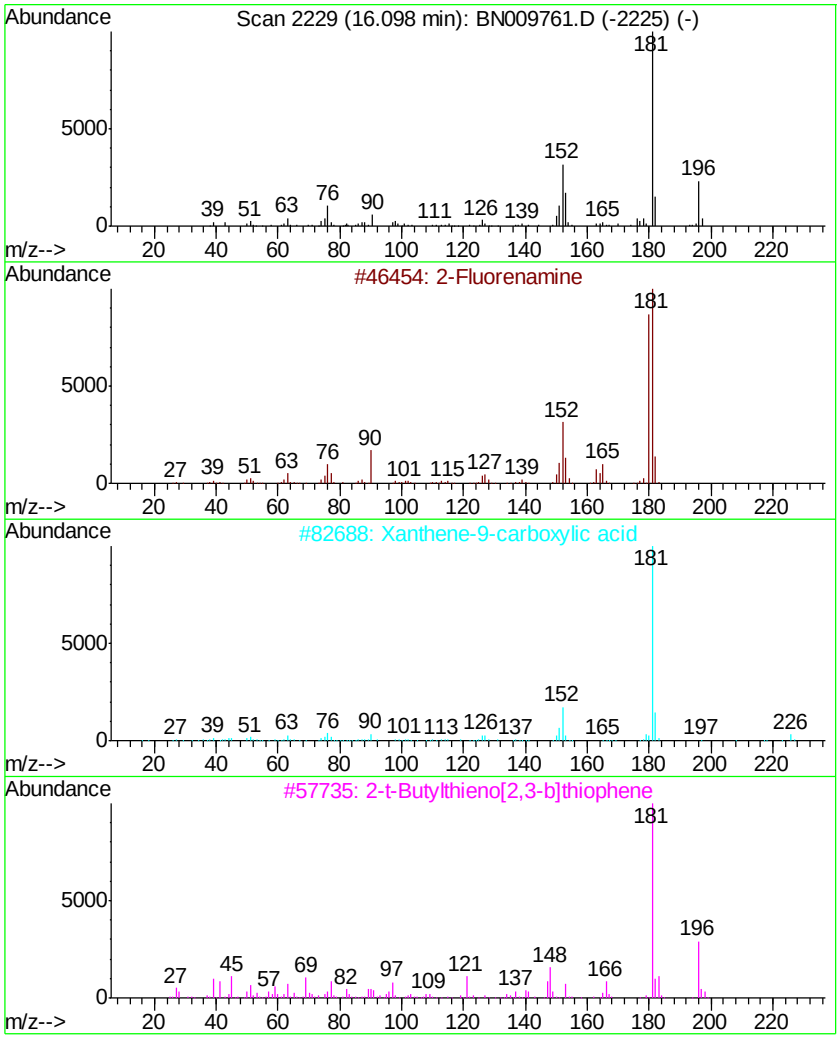
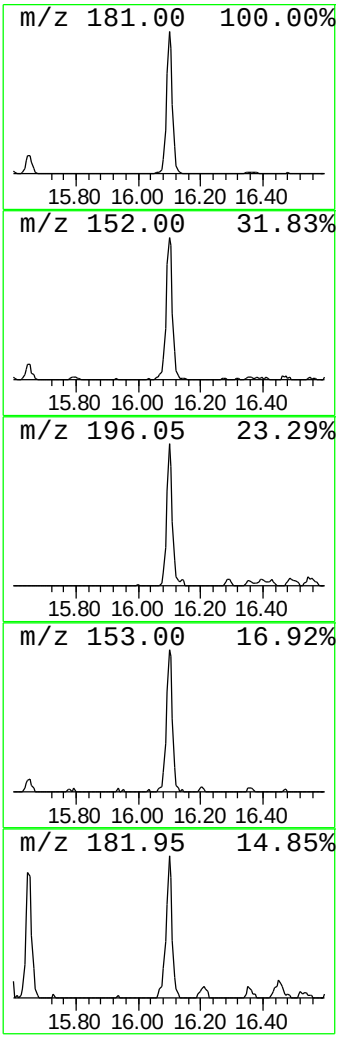
Peak Number 14 2-Fluorenamine Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	5.52 ng/ul	550290	Phenanthrene-d10	16.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Fluorenamine	181	C13H11N	000153-78-6	64
2	Xanthene-9-carboxylic acid	226	C14H10O3	000082-07-5	50
3	2-t-Butylthieno[2,3-b]thiophene	196	C10H12S2	1000250-49-6	50
4	9-xanthenecarboxylic acid, 2,2,3...	408	C18H11F7O3	1000376-64-6	50
5	Propanoic acid, 2-methyl-, 2-[1,...	282	C18H18O3	069787-81-1	50





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TIC Integration Parameters: LSCINT.P

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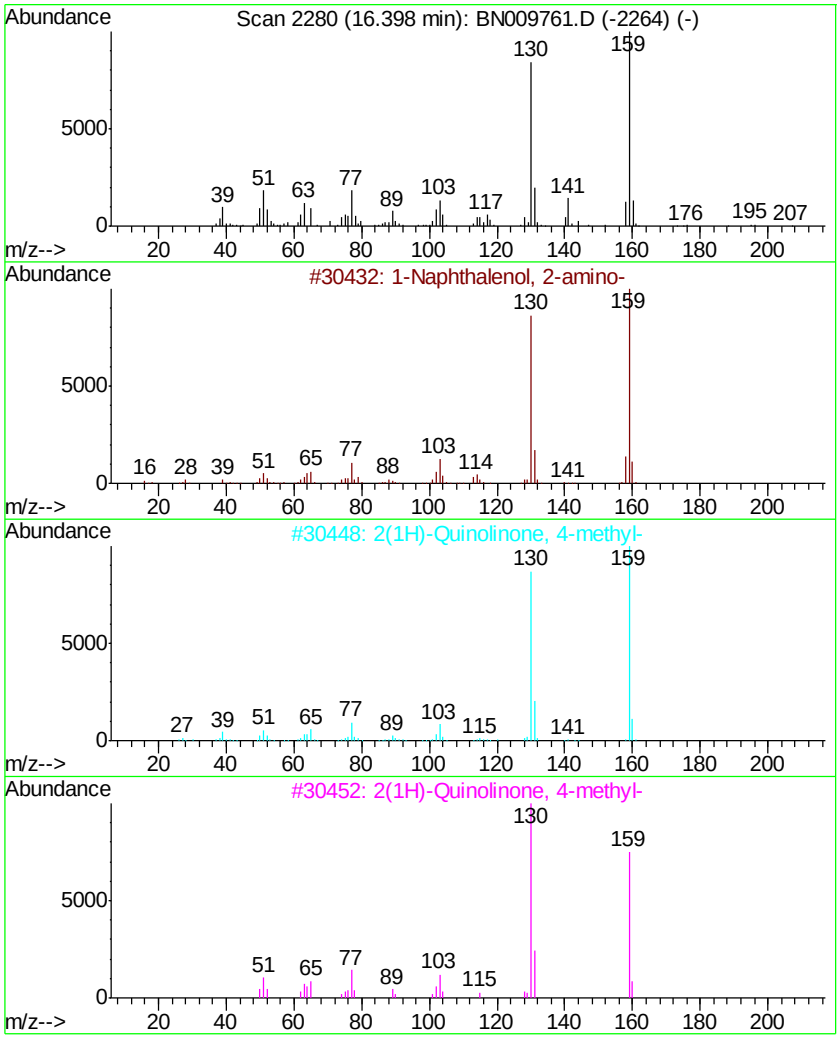
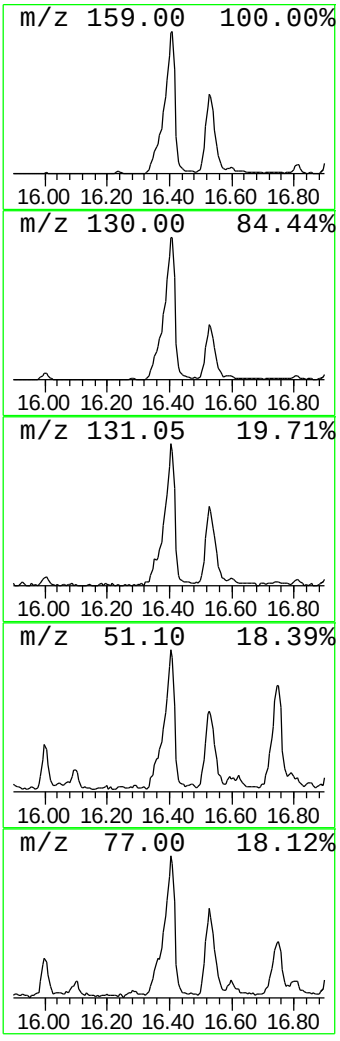
Peak Number 15 1-Naphthalenol, 2-amino- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	18.53 ng/ul	1846020	Phenanthrene-d10	16.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 2-amino-	159	C10H9NO	000606-41-7	95
2	2(1H)-Quinolinone, 4-methyl-	159	C10H9NO	000607-66-9	91
3	2(1H)-Quinolinone, 4-methyl-	159	C10H9NO	000607-66-9	91
4	5-Amino-1-naphthol	159	C10H9NO	000083-55-6	91
5	1-Naphthalenol, 6-amino-	159	C10H9NO	023894-12-4	91





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Quant Title : SVOA CALIBRATION

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

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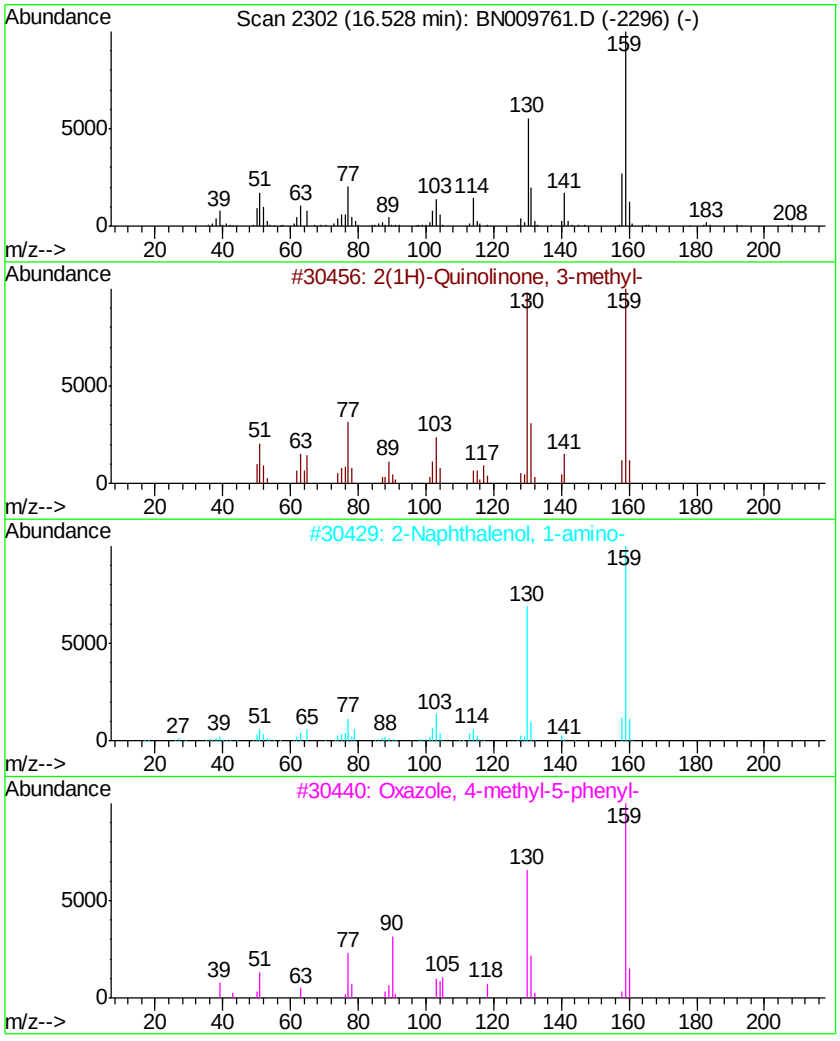
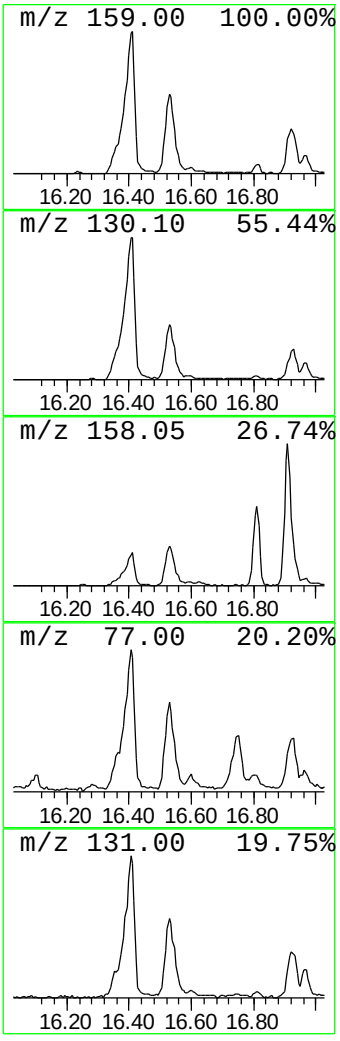
Peak Number 16 2(1H)-Quinolinone, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	7.83 ng/ul	780464	Phenanthrene-d10	16.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	86
2	2-Naphthalenol, 1-amino-	159	C10H9NO	002834-92-6	81
3	Oxazole, 4-methyl-5-phenyl-	159	C10H9NO	001008-29-3	81
4	5-Amino-1-naphthol	159	C10H9NO	000083-55-6	80
5	8-Quinolinol, 7-methyl-	159	C10H9NO	005541-68-4	76





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Quant Title : SVOA CALIBRATION

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

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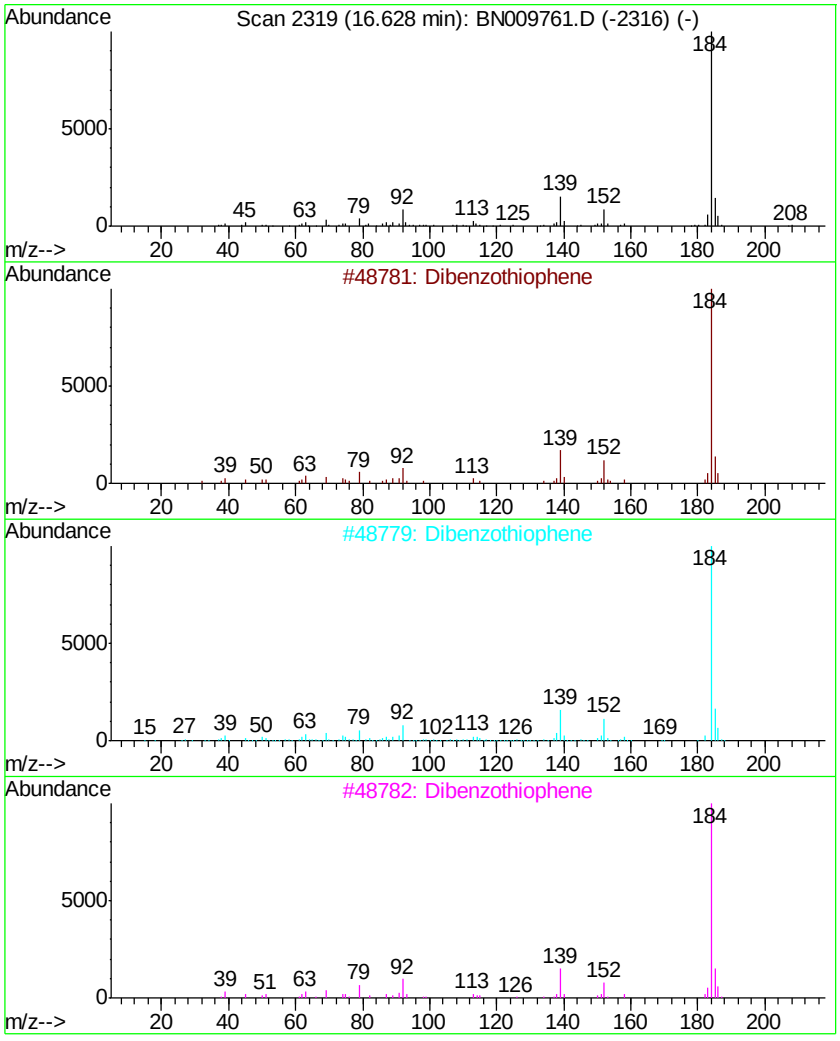
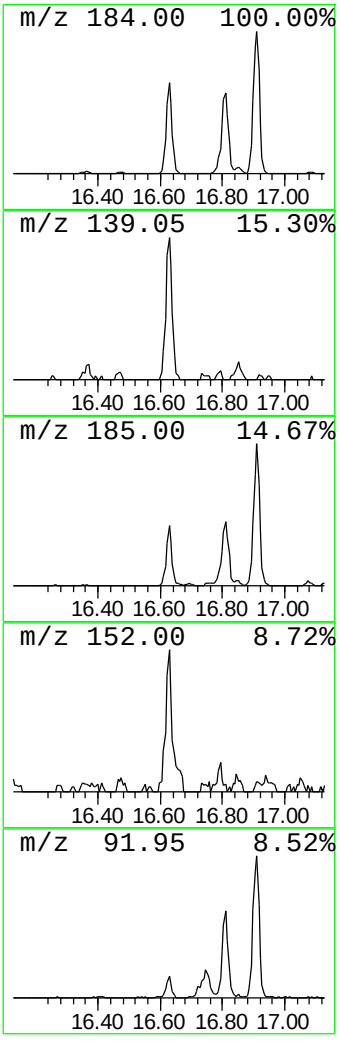
Peak Number 17 Dibenzothiophene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	2.70 ng/ul	269253	Phenanthrene-d10	16.81

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





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Quant Title : SVOA CALIBRATION

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

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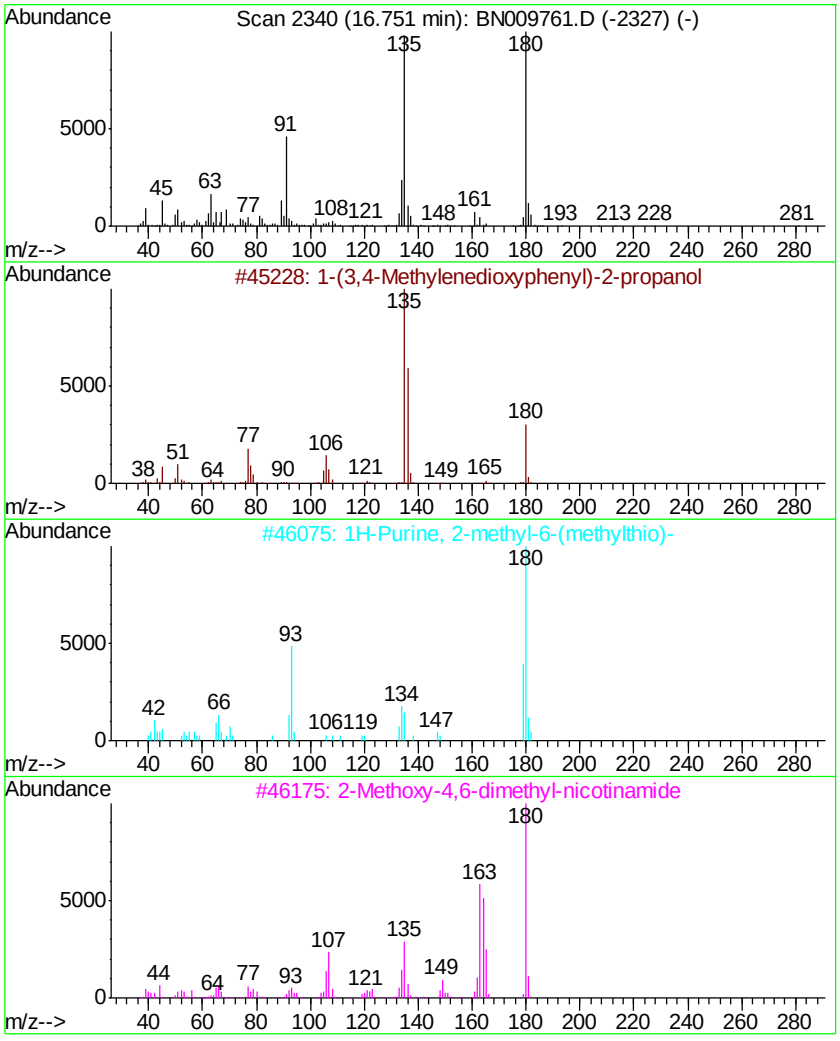
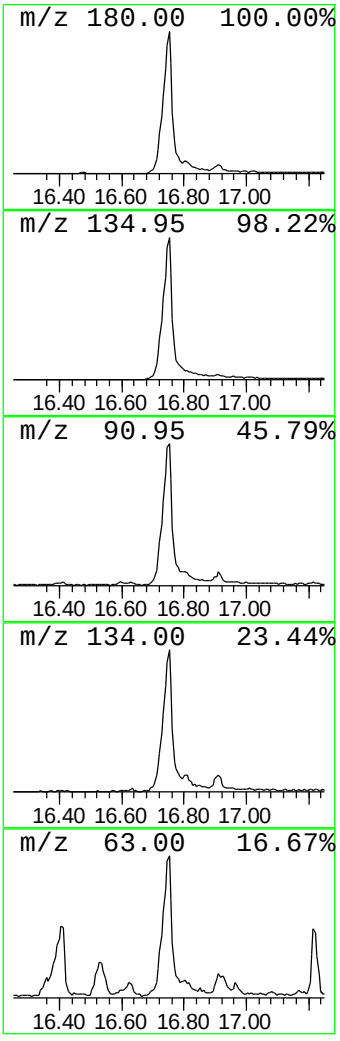
Peak Number 18 1-(3,4-Methylenedioxyphenyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	26.11 ng/ul	2601250	Phenanthrene-d10	16.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(3,4-Methylenedioxyphenyl)-2-p...	180	C10H12O3	006974-61-4	58
2	1H-Purine, 2-methyl-6-(methylthio)-	180	C7H8N4S	001008-47-5	43
3	2-Methoxy-4,6-dimethyl-nicotinamide	180	C9H12N2O2	309755-79-1	43
4	Benzo-1,3,2-azathiaborol, 2-ethyl-	163	C8H10BNS	168064-64-0	38
5	6-Nitrobenzothiazole	180	C7H4N2O2S	002942-06-5	38





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Data File : BN009761.D
Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

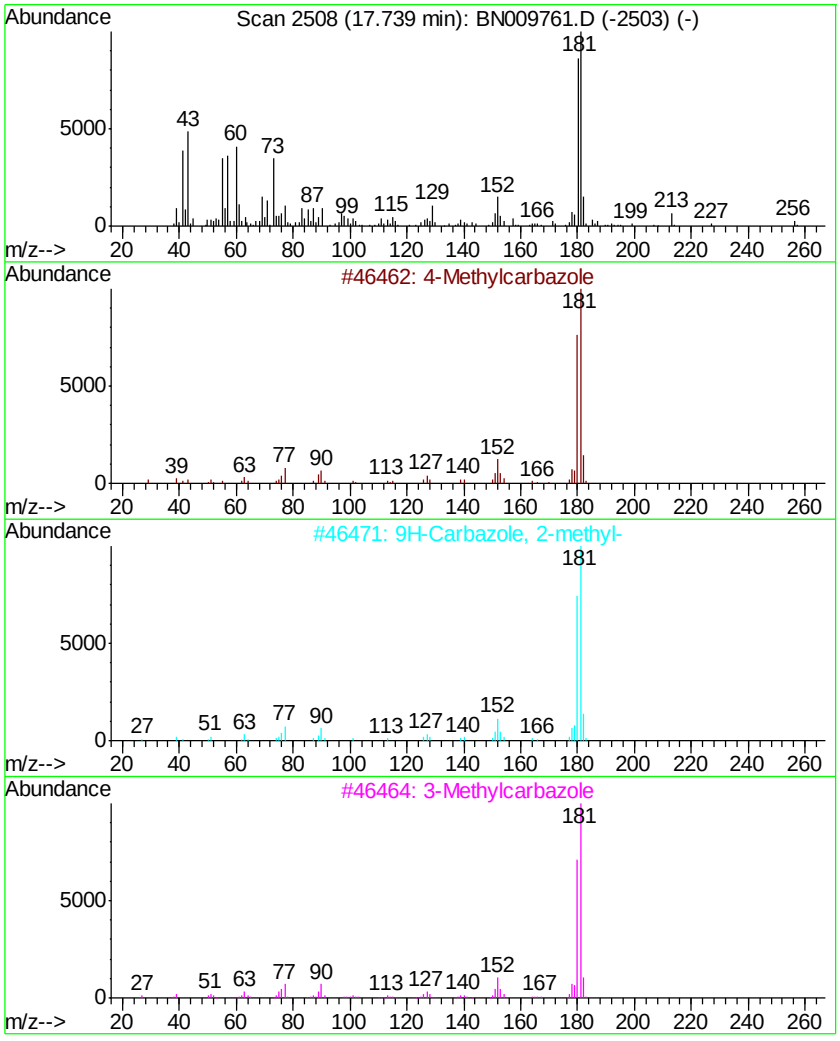
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

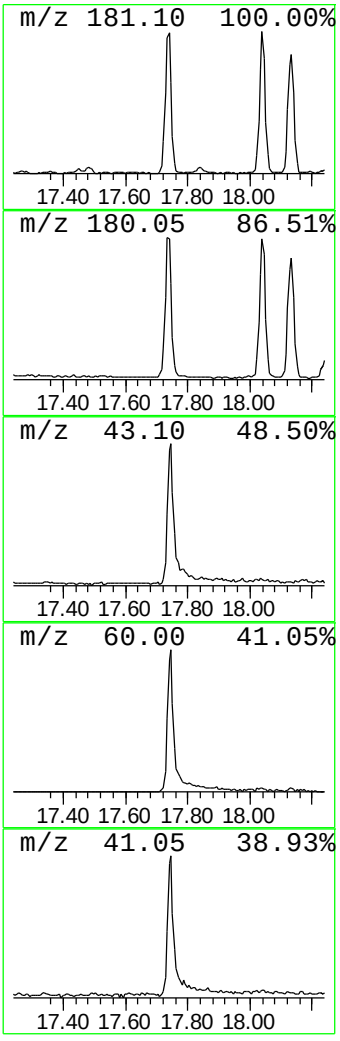
****

Peak Number 19 4-Methylcarbazole Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	7.77 ng/ul	773852	Phenanthrene-d10	16.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylcarbazole	181	C13H11N	003770-48-7	98
2	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	96
3	3-Methylcarbazole	181	C13H11N	004630-20-0	93
4	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	93
5	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	91





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Data File : BN009761.D
Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

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

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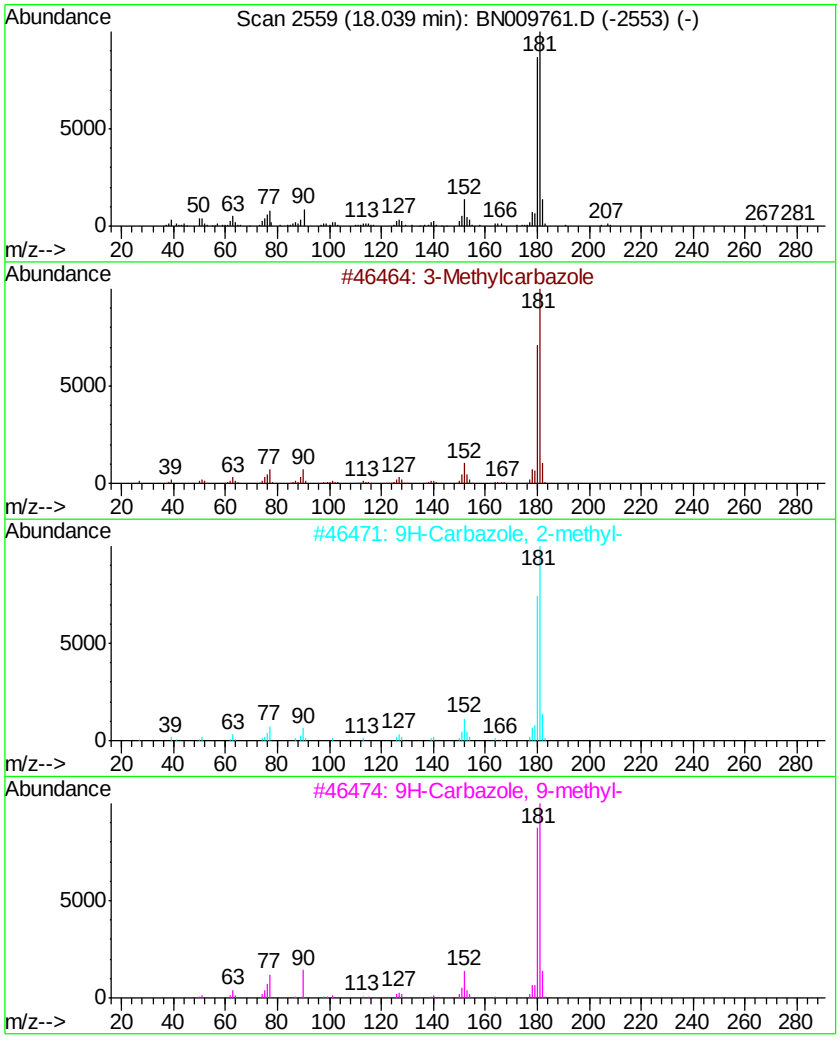
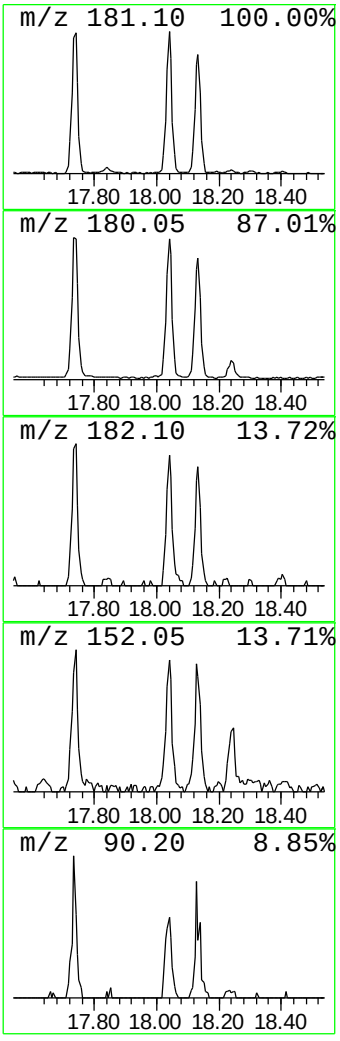
Peak Number 20 3-Methylcarbazole Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	3.25 ng/ul	323782	Phenanthrene-d10	16.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	97
2	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	97
3	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	96
4	3-Methylcarbazole	181	C13H11N	004630-20-0	96
5	4-Methylcarbazole	181	C13H11N	003770-48-7	94





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Data File : BN009761.D
Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

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

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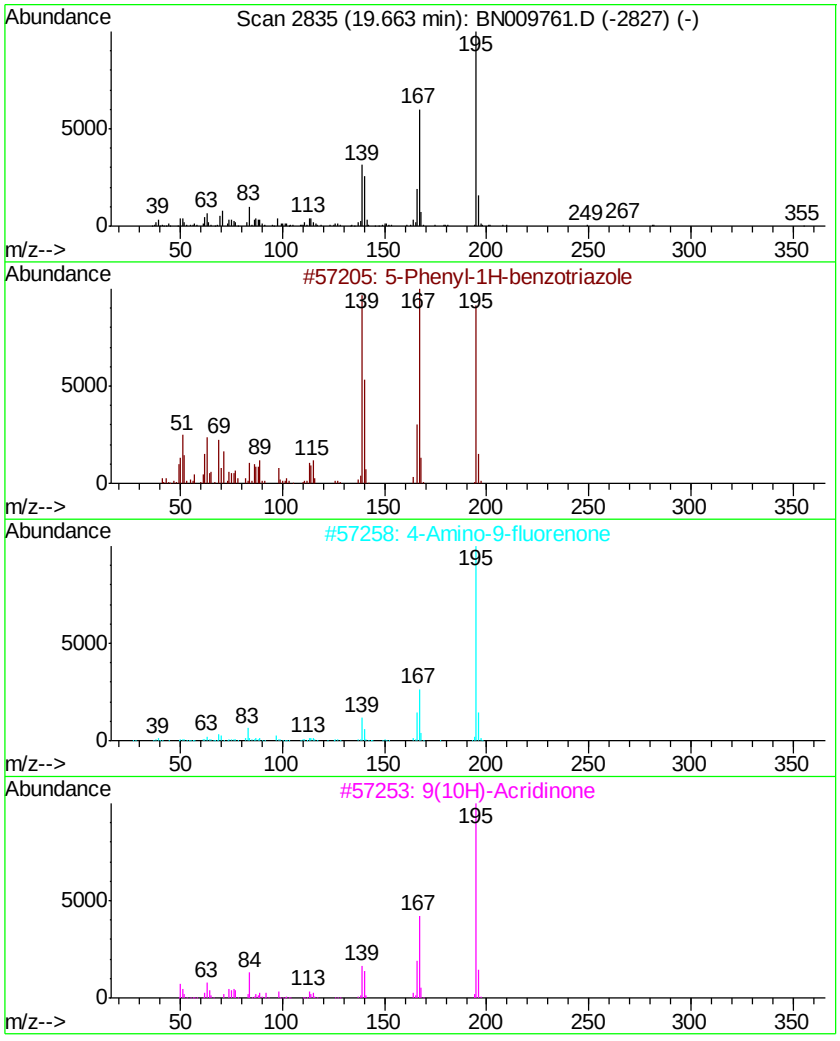
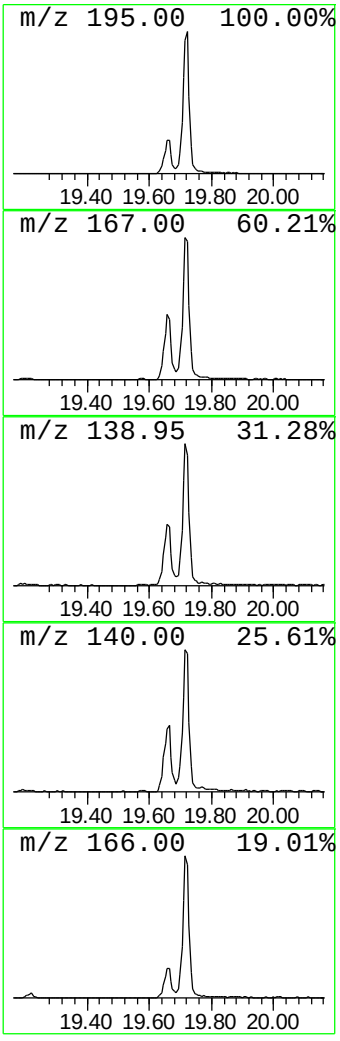
Peak Number 22 5-Phenyl-1H-benzotriazole Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.66	5.45 ng/ul	607244	Chrysene-d12	21.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Phenyl-1H-benzotriazole	195	C12H9N3	025877-73-0	94
2	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	94
3	9(10H)-Acridinone	195	C13H9NO	000578-95-0	90
4	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
5	9(10H)-Acridinone	195	C13H9NO	000578-95-0	87





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Data File : BN009761.D
Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

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

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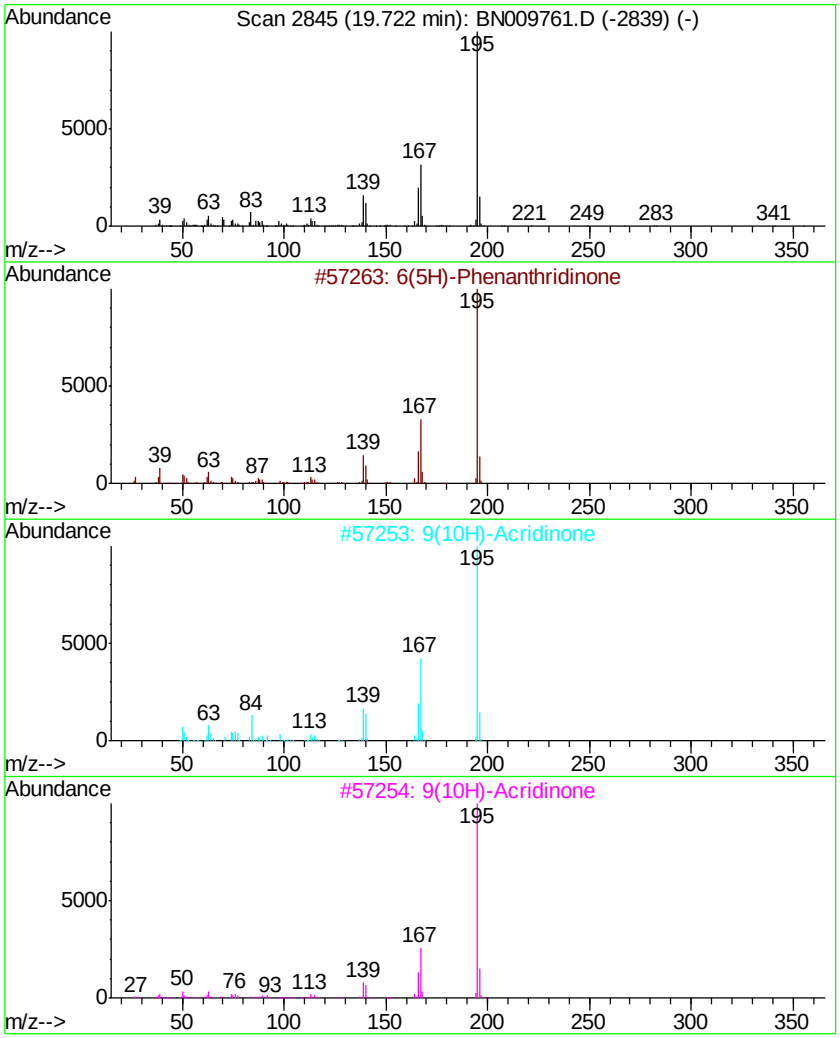
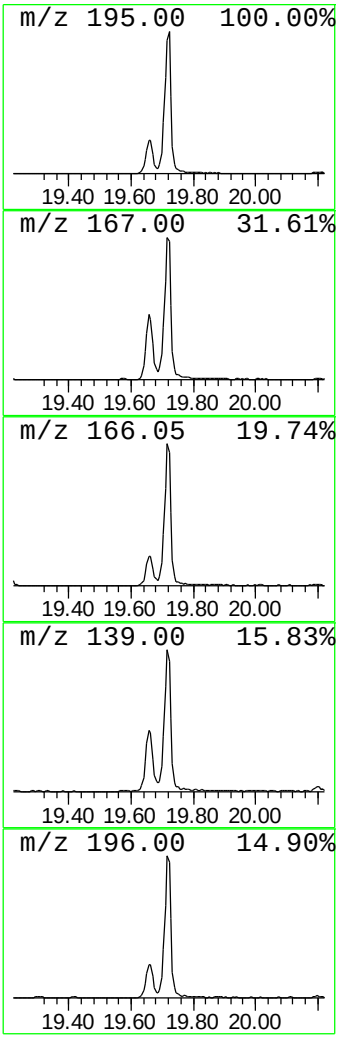
Peak Number 23 6(5H)-Phenanthridinone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	14.62 ng/ul	1630870	Chrysene-d12	21.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	96
2	9(10H)-Acridinone	195	C13H9NO	000578-95-0	94
3	9(10H)-Acridinone	195	C13H9NO	000578-95-0	94
4	3-Acridinol	195	C13H9NO	007132-70-9	94
5	9(10H)-Acridinone	195	C13H9NO	000578-95-0	94





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Data File : BN009761.D
Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

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

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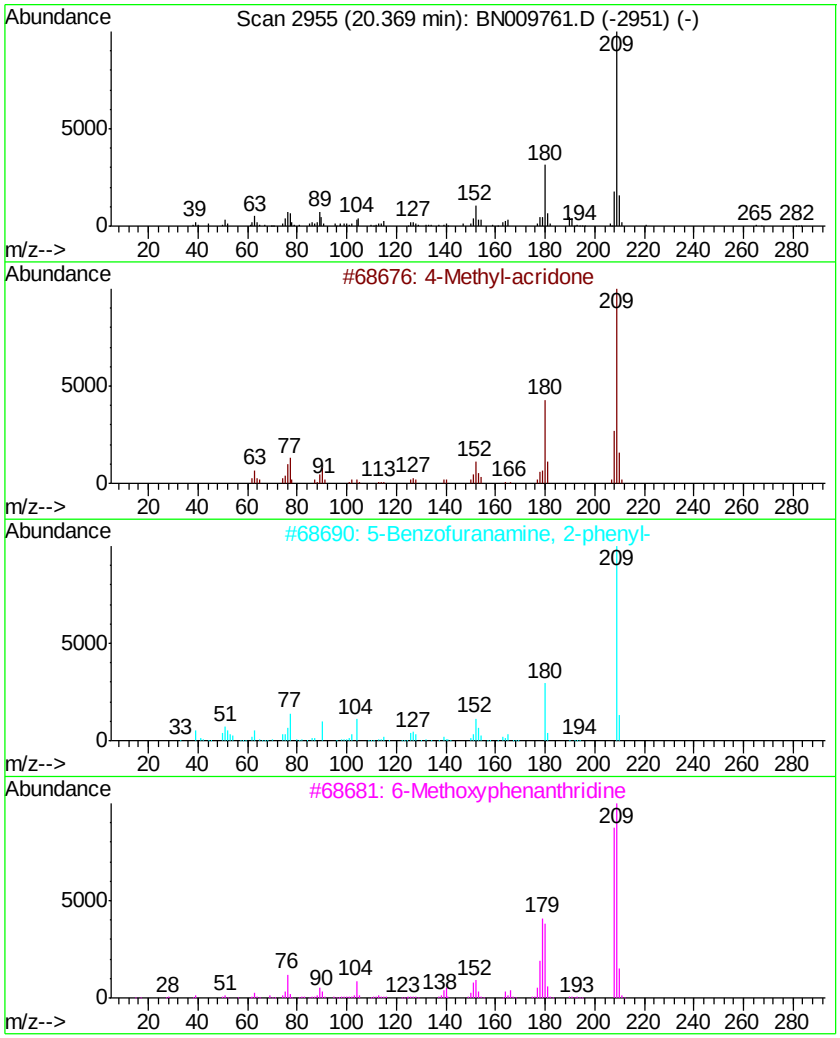
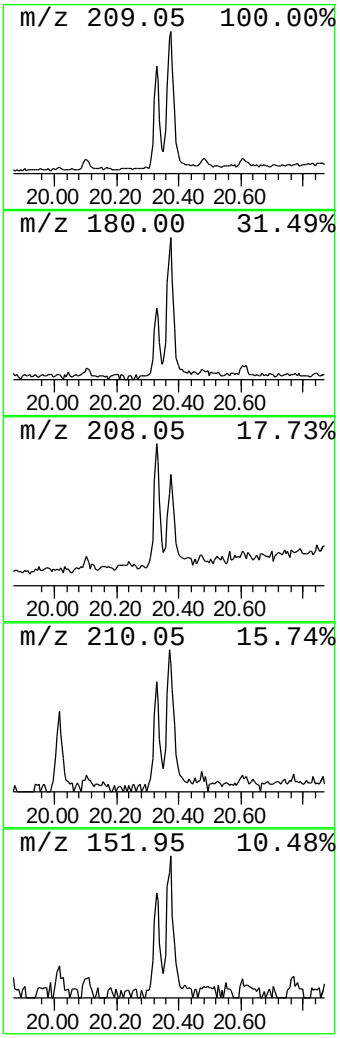
Peak Number 24 4-Methyl-acridone Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	2.95 ng/ul	329394	Chrysene-d12	21.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methyl-acridone	209	C14H11NO	068506-36-5	91
2	5-Benzofuranamine, 2-phenyl-	209	C14H11NO	1000362-56-9	81
3	6-Methoxyphenanthridine	209	C14H11NO	107624-46-4	74
4	1-Methyl-acridone	209	C14H11NO	065753-71-1	72
5	Dibenzo[b,f]oxepin-3-ylamine	209	C14H11NO	1000304-76-7	68





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Data File : BN009761.D
Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

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

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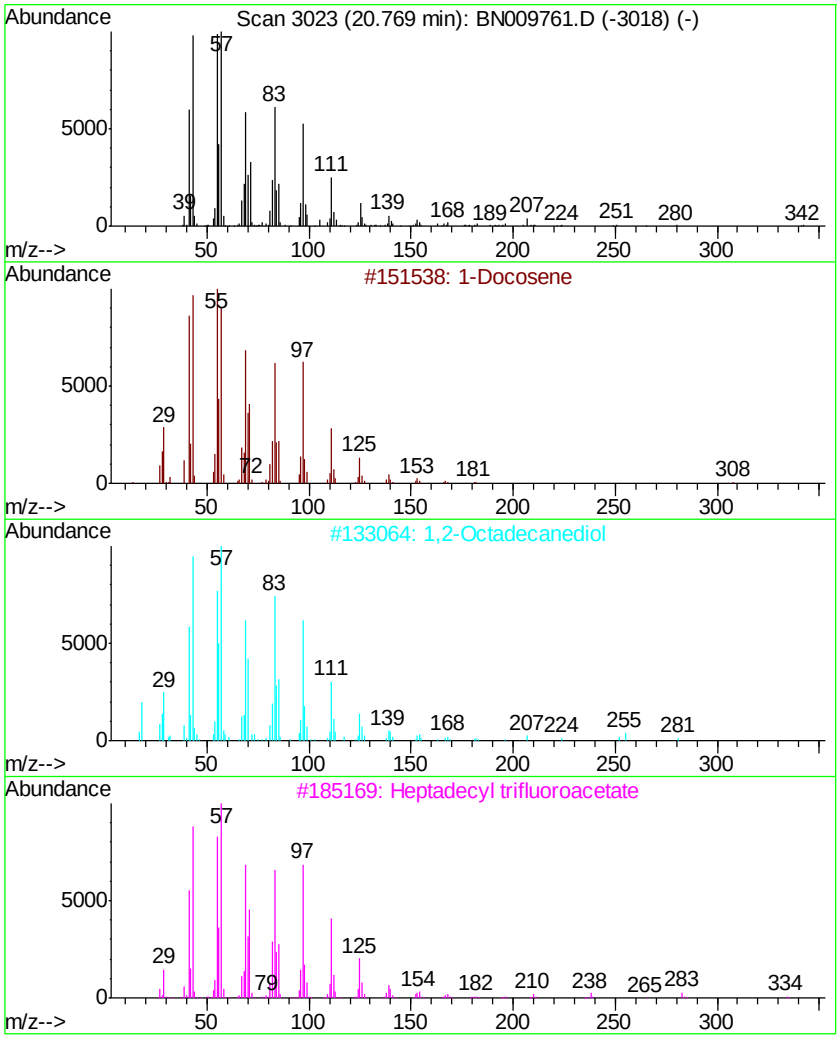
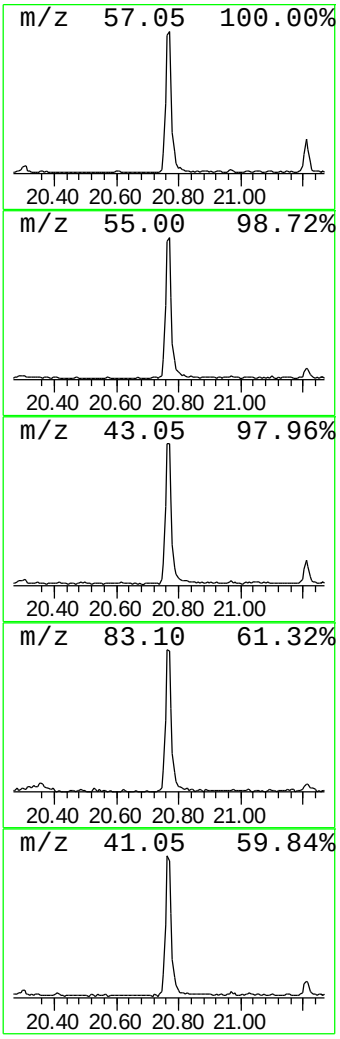
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.77	6.82 ng/ul	760038	Chrysene-d12	21.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	95
2	1,2-Octadecanediol	286	C18H38O2	020294-76-2	91
3	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	91
4	1-Hexadecanol	242	C16H34O	036653-82-4	91
5	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021820\
Data File : BN009761.D
Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

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

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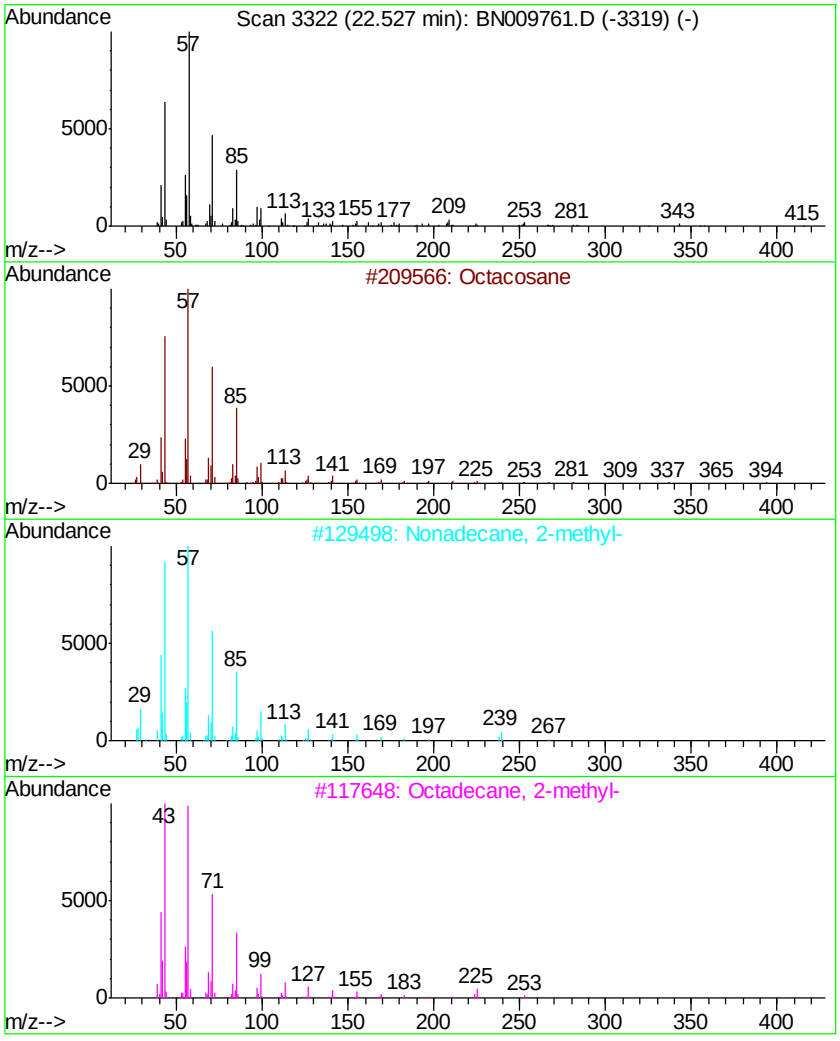
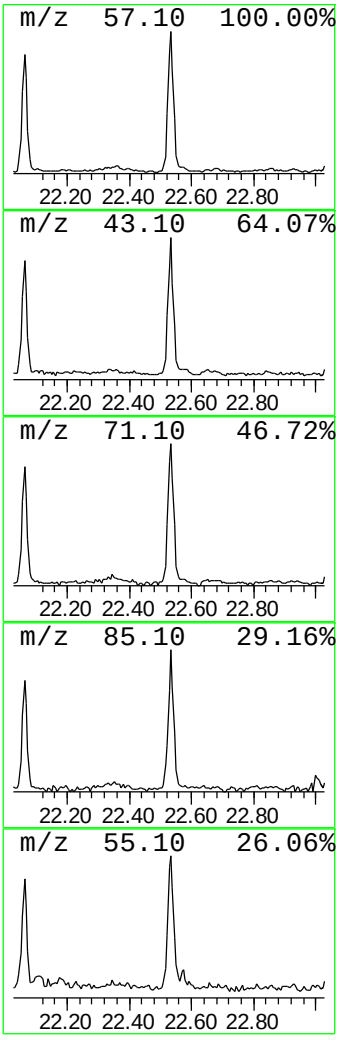
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.53	2.30 ng/ul	244206	Perylene-d12	23.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	87
2	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	83
3	Octadecane, 2-methyl-	268	C19H40	001560-88-9	80
4	Pentacosane	352	C25H52	000629-99-2	80
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	74





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Data File : BN009761.D
Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

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

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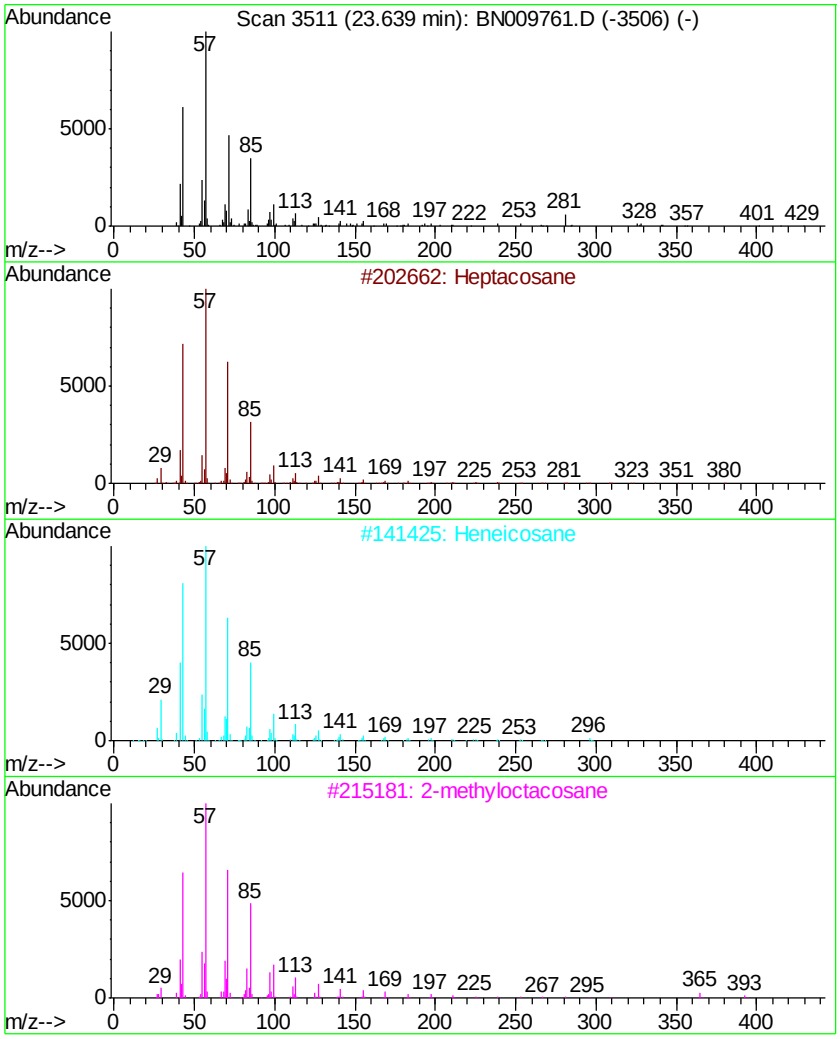
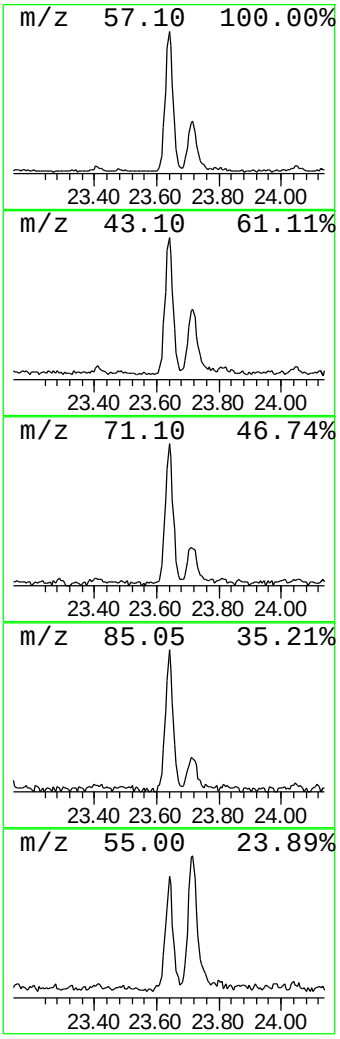
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.64	2.63 ng/ul	279556	Perylene-d12	23.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	87
2	Heneicosane	296	C21H44	000629-94-7	83
3	2-methyloctacosane	408	C29H60	1000376-72-8	81
4	Octacosane	394	C28H58	000630-02-4	81
5	Hexadecane	226	C16H34	000544-76-3	80





Tentatively Identified Compound (LSC) summary

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Data File : BN009761.D
Acq On : 19 Feb 2020 02:01
Operator : CG/JU
Sample : L1541-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD66

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, (1-methy...	5.94	2.2	ng/ul	96499	1	7.41	869599	20.0
Benzofuran, 2-met...	8.75	28.4	ng/ul	1237180	1	7.41	869599	20.0
Benzo[b]thiophene...	11.26	6.9	ng/ul	433904	2	10.16	1253640	20.0
Benzo[b]thiophene...	11.72	14.1	ng/ul	882803	2	10.16	1253640	20.0
Benzo[b]thiophene...	12.04	3.1	ng/ul	196013	2	10.16	1253640	20.0
Dibenzofuran, 4-m...	15.42	8.4	ng/ul	694109	3	14.05	1646550	20.0
1(2H)-Quinolineca...	15.43	8.3	ng/ul	830937	4	16.81	1992800	20.0
1-Acenaphthylenol...	15.52	3.8	ng/ul	381119	4	16.81	1992800	20.0
[1,1'-Biphenyl]-4...	15.56	8.7	ng/ul	864111	4	16.81	1992800	20.0
Indenone, 5-methy...	15.83	63.5	ng/ul	6326690	4	16.81	1992800	20.0
Quinoline, 1,2,3,...	16.00	4.8	ng/ul	479839	4	16.81	1992800	20.0
2-Fluorenamine	16.10	5.5	ng/ul	550290	4	16.81	1992800	20.0
1-Naphthalenol, 2...	16.40	18.5	ng/ul	1846020	4	16.81	1992800	20.0
2(1H)-Quinolinone...	16.53	7.8	ng/ul	780464	4	16.81	1992800	20.0
Dibenzothiophene	16.63	2.7	ng/ul	269253	4	16.81	1992800	20.0
1-(3,4-Methylened...	16.75	26.1	ng/ul	2601250	4	16.81	1992800	20.0
4-Methylcarbazole	17.74	7.8	ng/ul	773852	4	16.81	1992800	20.0
3-Methylcarbazole	18.04	3.3	ng/ul	323782	4	16.81	1992800	20.0
5-Phenyl-1H-benzo...	19.66	5.5	ng/ul	607244	5	21.02	2230280	20.0
6(5H)-Phenanthrid...	19.72	14.6	ng/ul	1630870	5	21.02	2230280	20.0
4-Methyl-acridone	20.37	3.0	ng/ul	329394	5	21.02	2230280	20.0
(DEL) Alkane: Str...	20.77	6.8	ng/ul	760038	5	21.02	2230280	20.0
(DEL) Alkane: Str...	22.53	2.3	ng/ul	244206	6	23.13	2122410	20.0
(DEL) Alkane: Str...	23.64	2.6	ng/ul	279556	6	23.13	2122410	20.0