LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122619\
Data File : BN009183.D
Acq On : 26 Dec 2019 21:28
Operator : JU
Sample : K6381-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5R7

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-BN122419MA.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	3.834	139	144	152	rBV	167997	257381	2.38%	0.136%
2	4.046	175	180	188	rBV	203485	274751	2.54%	0.145%
3	6.716	622	634	647	rVB	2008480	3284574	30.33%	1.737%
4	6.875	654	661	676	rVB	1435780	2333180	21.54%	1.234%
5	7.063	687	693	707	rVV	1950648	3095596	28.59%	1.637%
6	7.522	763	771	780	rBV	1555969	2437538	22.51%	1.289%
7	8.228	883	891	901	rBV	2352324	3842321	35.48%	2.032%
8	8.663	958	965	976	rVV	1979010	3162663	29.20%	1.673%
9	8.839	989	995	1003	rBV	307511	467372	4.32%	0.247%
10	9.128	1036	1044	1049	rBV2	164949	244739	2.26%	0.129%
11	9.375	1078	1086	1094	rBV	1630444	2655216	24.52%	1.404%
12	9.910	1170	1177	1186	rVV	2442935	3935889	36.34%	2.082%
13	10.281	1232	1240	1245	rBV	2264999	3768535	34.80%	1.993%
14	10.328	1245	1248	1255	rVB	277549	400442	3.70%	0.212%
15	10.416	1255	1263	1278	rBV	2195128	3950711	36.48%	2.090%
16	11.945	1517	1523	1532	rVB	156482	252340	2.33%	0.133%
17	12.169	1556	1561	1567	rVB	123861	185948	1.72%	0.098%
18	12.998	1695	1702	1706	rVV2	94114	189426	1.75%	0.100%
19	13.475	1777	1783	1788	rBV	117416	184310	1.70%	0.097%
20	13.575	1795	1800	1805	rVV	3860248	5175271	47.79%	2.737%
21	13.622	1805	1808	1813	rVB	354090	439912	4.06%	0.233%
22	13.839	1838	1845	1858	rBV	4405242	6934332	64.03%	3.668%
23	14.151	1891	1898	1905	rBV	3110555	4759311	43.95%	2.517%
24	14.216	1905	1909	1918	rVB	421436	621102	5.74%	0.329%
25	14.374	1928	1936	1947	rBV	1938942	3014269	27.83%	1.594%
26	14.557	1958	1967	1976	rBV	331227	563008	5.20%	0.298%
27	15.157	2062	2069	2074	rBV	5447021	7777791	71.82%	4.114%
28	15.210	2074	2078	2083	rVB2	455875	652271	6.02%	0.345%
29	15.286	2083	2091	2097	rBV	1490157	2122626	19.60%	1.123%
30	15.504	2124	2128	2140	rVB	165638	306226	2.83%	0.162%
31	15.651	2148	2153	2162	rVB	168307	335268	3.10%	0.177%
32	16.216	2246	2249	2254	rVV2	108719	193946	1.79%	0.103%
33	16.486	2292	2295	2299	rVV3	115032	174509	1.61%	0.092%
34	16.563	2303	2308	2316	rVV	364016	578614	5.34%	0.306%

LSC Area Percent Report

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Acq On : 26 Dec 2019 21:28
Operator : JU
Sample : K6381-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5R7

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-BN122419MA.M
Title : SVOA CALIBRATION

35	16.657	2317	2324	2328	rVV2	147004	359008	3.32%	0.190%
36	16.721	2328	2335	2340	rVV	316559	640493	5.91%	0.339%
37	16.904	2360	2366	2369	rVV	3857325	5290727	48.86%	2.799%
38	16.945	2369	2373	2378	rVV	6151617	8240473	76.09%	4.359%
39	17.004	2378	2383	2386	rVV	5643714	7922440	73.16%	4.191%
40	17.033	2386	2388	2395	rVV	1232871	1532744	14.15%	0.811%
41	17.310	2429	2435	2440	rBV	562250	856955	7.91%	0.453%
42	17.486	2460	2465	2469	rBV3	139125	201363	1.86%	0.107%
43	17.780	2509	2515	2519	rBV	722337	1008804	9.32%	0.534%
44	17.827	2519	2523	2529	rVB	1036884	1416138	13.08%	0.749%
45	17.904	2530	2536	2541	rBV2	287822	498134	4.60%	0.263%
46	17.968	2541	2547	2551	rBV2	903922	1537667	14.20%	0.813%
47	18.010	2551	2554	2562	rVB	477840	631863	5.83%	0.334%
48	18.127	2570	2574	2579	rVV3	212467	273070	2.52%	0.144%
49	18.286	2596	2601	2604	rVV	548011	735969	6.80%	0.389%
50	18.321	2604	2607	2613	rVB	441757	587332	5.42%	0.311%
51	18.533	2640	2643	2648	rVV2	194751	296488	2.74%	0.157%
52	18.586	2648	2652	2655	rVV	196166	270475	2.50%	0.143%
53	18.627	2655	2659	2664	rVV	144673	207119	1.91%	0.110%
54	18.710	2667	2673	2677	rVV	394243	656474	6.06%	0.347%
55	18.768	2678	2683	2686	rVV3	311115	533013	4.92%	0.282%
56	18.798	2686	2688	2692	rVV	152980	198008	1.83%	0.105%
57	18.845	2692	2696	2704	rVB	400601	678627	6.27%	0.359%
58	18.974	2709	2718	2723	rVV	7504622	10485634	96.83%	5.546%
59	19.045	2726	2730	2733	rVV	148144	205235	1.90%	0.109%
60	19.121	2739	2743	2747	rVV2	192785	257332	2.38%	0.136%
61	19.180	2747	2753	2755	rVV5	140619	275122	2.54%	0.146%
62	19.215	2755	2759	2764	rVV2	244819	409683	3.78%	0.217%
63	19.310	2768	2775	2777	rVV	7285274	10829442	100.00%	5.728%
64	19.339	2777	2780	2787	rVV	6077131	8168274	75.43%	4.321%
65	19.410	2788	2792	2800	rVB2	319006	585096	5.40%	0.309%
66	19.515	2806	2810	2816	rBV	363831	476201	4.40%	0.252%
67	19.674	2829	2837	2841	rBV4	442508	1130214	10.44%	0.598%
68	19.804	2854	2859	2860	rVV2	350234	466999	4.31%	0.247%
69	19.839	2861	2865	2871	rVV	661864	1103536	10.19%	0.584%
70	19.892	2872	2874	2878	rVV	215609	236299	2.18%	0.125%
71	19.939	2878	2882	2886	rVV	379533	450576	4.16%	0.238%

LSC Area Percent Report

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Operator : JU
Sample : K6381-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5R7

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-BN122419MA.M
Title : SVOA CALIBRATION

72	19.992	2886	2891	2895	rVV2	615122	950998	8.78%	0.503%
73	20.033	2895	2898	2902	rVB3	161698	222760	2.06%	0.118%
74	20.080	2903	2906	2911	rBV2	143751	176109	1.63%	0.093%
75	20.133	2912	2915	2919	rBV	291150	330426	3.05%	0.175%
76	20.180	2919	2923	2928	rBV2	306619	462814	4.27%	0.245%
77	20.262	2934	2937	2940	rBV2	243391	271085	2.50%	0.143%
78	20.398	2957	2960	2963	rBV2	233544	272009	2.51%	0.144%
79	20.586	2988	2992	2998	rVB	669187	906580	8.37%	0.480%
80	20.751	3015	3020	3024	rBV2	576725	1004192	9.27%	0.531%
81	20.792	3024	3027	3030	rBV	457670	489537	4.52%	0.259%
82	20.851	3030	3037	3041	rBV2	2841215	4317766	39.87%	2.284%
83	21.056	3068	3072	3074	rBV	914584	1018336	9.40%	0.539%
84	21.104	3074	3080	3085	rVV3	4938781	10022509	92.55%	5.301%
85	21.145	3085	3087	3095	rVB	2801249	3375836	31.17%	1.786%
86	21.262	3104	3107	3110	rBV	326190	411038	3.80%	0.217%
87	21.298	3110	3113	3122	rVV3	508745	791847	7.31%	0.419%
88	21.415	3130	3133	3139	rBV2	383904	543476	5.02%	0.287%
89	21.651	3170	3173	3177	rVB	497491	587774	5.43%	0.311%
90	21.721	3182	3185	3195	rVB3	937758	1697040	15.67%	0.898%
91	21.962	3223	3226	3230	rVB	749117	896224	8.28%	0.474%
92	22.162	3257	3260	3265	rVB	747513	869206	8.03%	0.460%
93	22.621	3332	3338	3339	rBV	2114536	3007679	27.77%	1.591%
94	23.068	3409	3414	3417	rBV	972576	1553933	14.35%	0.822%
95	23.115	3417	3422	3426	rVV	3211432	5347757	49.38%	2.829%
96	23.162	3426	3430	3438	rVB2	1765121	3571956	32.98%	1.889%
97	23.245	3439	3444	3449	rBV	2004328	3593032	33.18%	1.901%
98	23.780	3531	3535	3542	rVB	1032636	1812448	16.74%	0.959%
99	23.856	3544	3548	3559	rVB2	791147	1674790	15.47%	0.886%
100	25.286	3787	3791	3795	rBV	382734	650603	6.01%	0.344%

Sum of corrected areas: 189054175

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122619\
Data File : BN009183.D
Acq On : 26 Dec 2019 21:28
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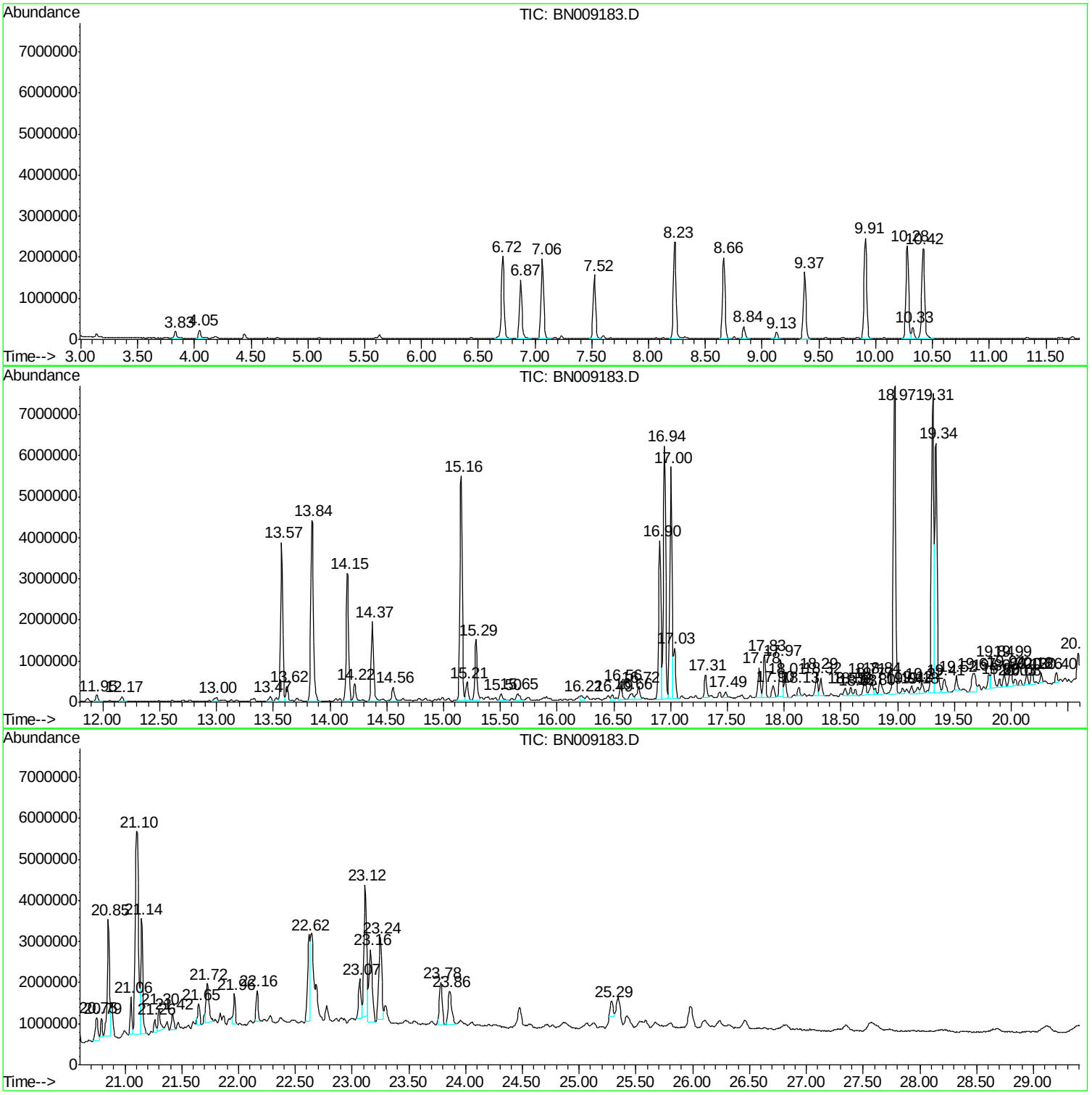
Sample : K6381-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122619\
Data File : BN009183.D
Acq On : 26 Dec 2019 21:28
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Instrument : BNA_N
ClientSampleId : CB5R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

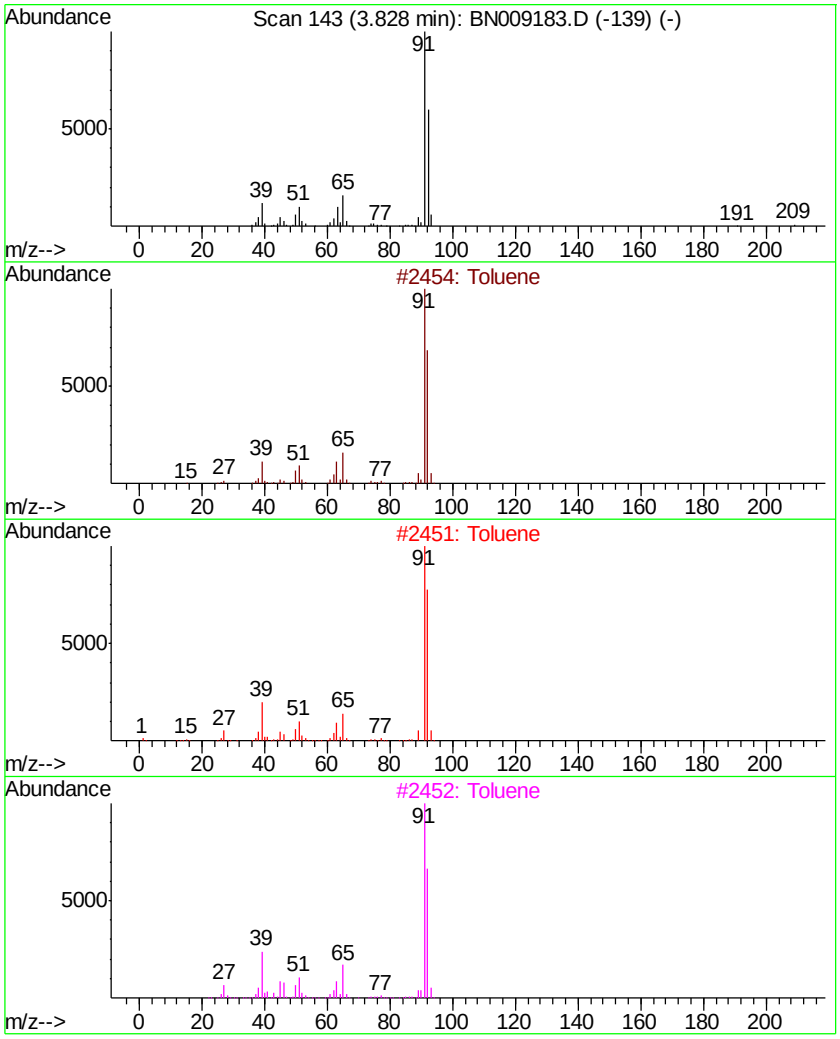
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

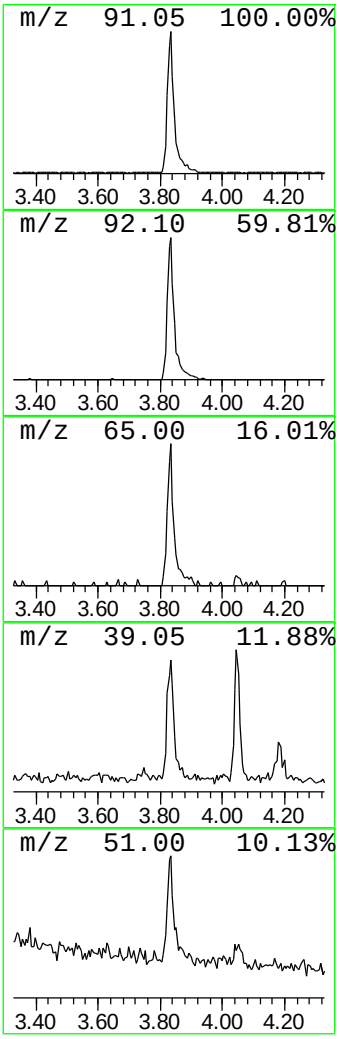
****

Peak Number 1 Toluene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.83	2.11 ng/ul	257381	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	94
2	Toluene	92	C7H8	000108-88-3	94
3	Toluene	92	C7H8	000108-88-3	94
4	Toluene	92	C7H8	000108-88-3	91
5	Toluene	92	C7H8	000108-88-3	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122619\
Data File : BN009183.D
Acq On : 26 Dec 2019 21:28
Operator : JU
Sample : K6381-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5R7

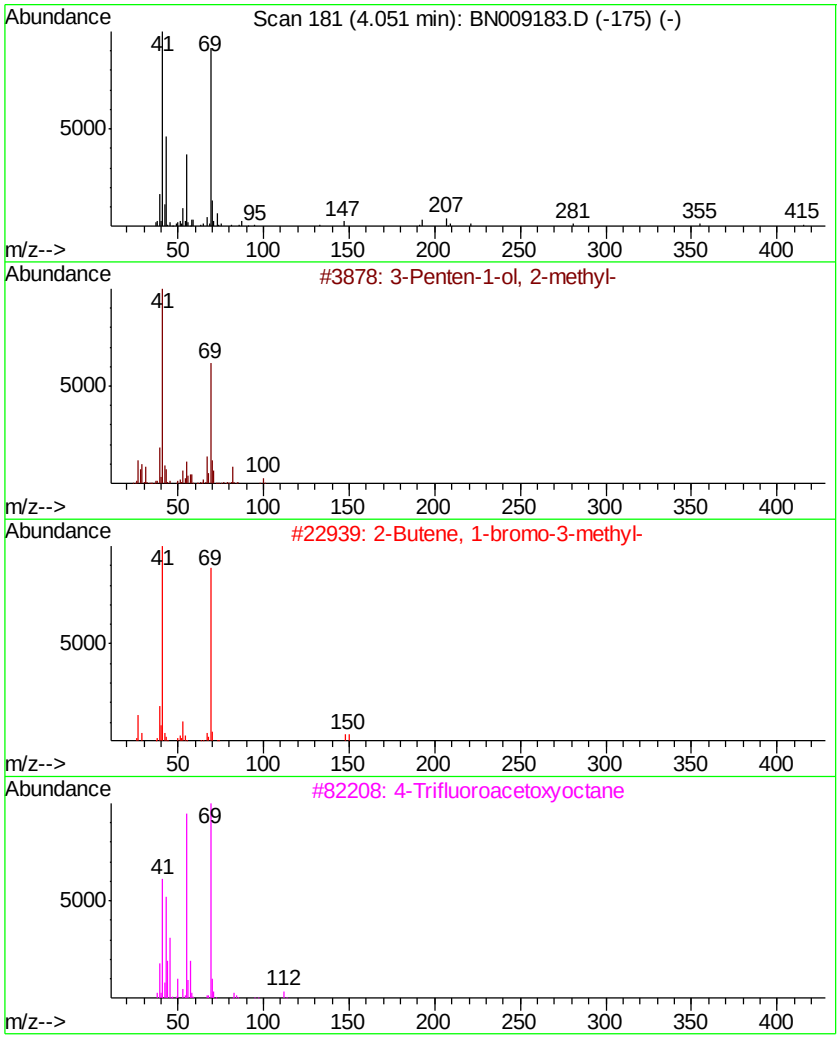
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

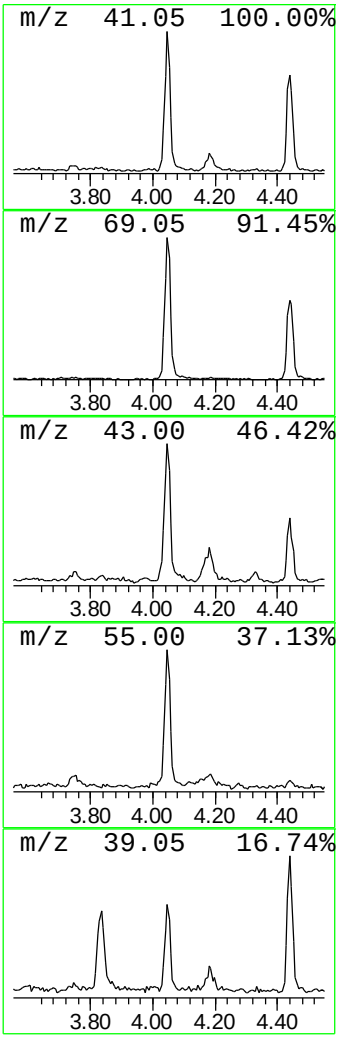
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 3-Penten-1-ol, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.05	2.25 ng/ul	274751	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-1-ol, 2-methyl-	100	C6H12O	062238-37-3	64
2	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	50
3	4-Trifluoroacetoxyoctane	226	C10H17F3O2	116465-17-9	50
4	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	50
5	1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122619\
Data File : BN009183.D
Acq On : 26 Dec 2019 21:28
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

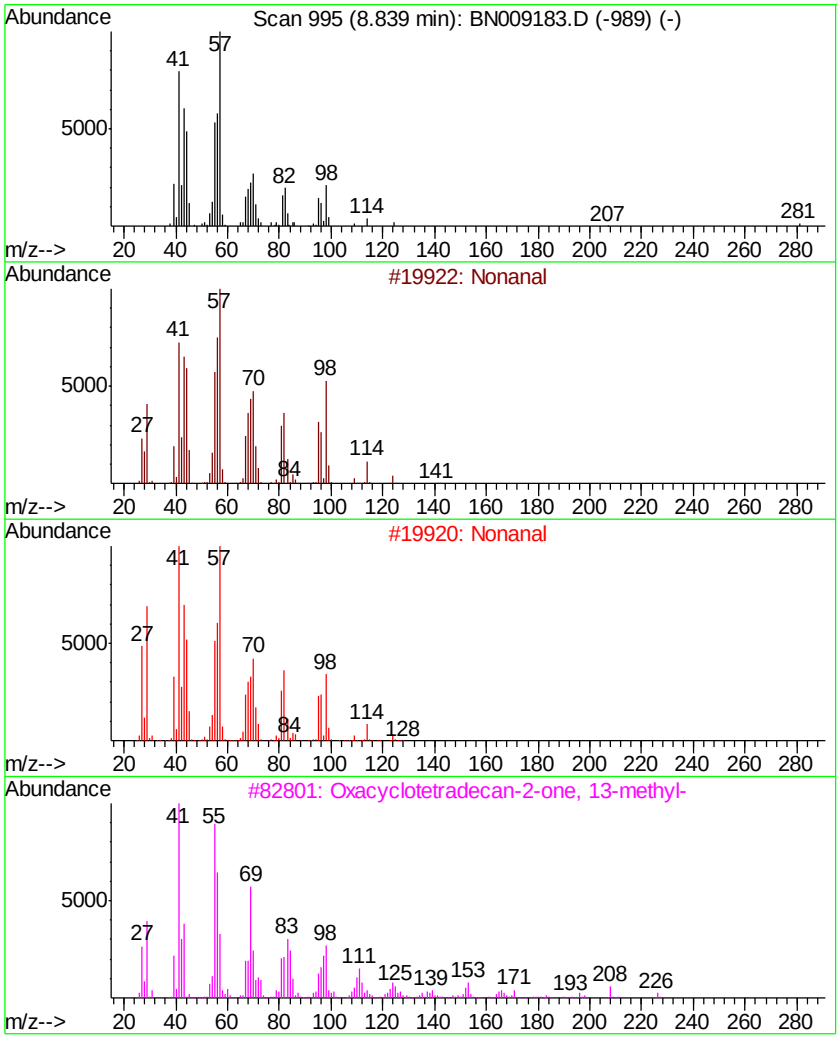
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

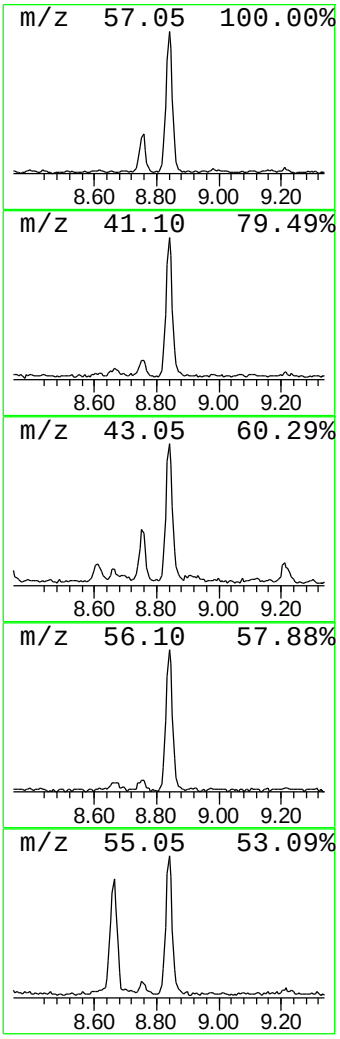
****

Peak Number 3 Nonanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	3.83 ng/ul	467372	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	59
2	Nonanal	142	C9H18O	000124-19-6	59
3	Oxacyclotetradecan-2-one, 13-met...	226	C14H26O2	057092-32-7	47
4	2-Hepten-1-ol, (E)-	114	C7H14O	033467-76-4	30
5	Cyclohexanol	100	C6H12O	000108-93-0	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122619\
Data File : BN009183.D
Acq On : 26 Dec 2019 21:28
Operator : JU
Sample : K6381-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

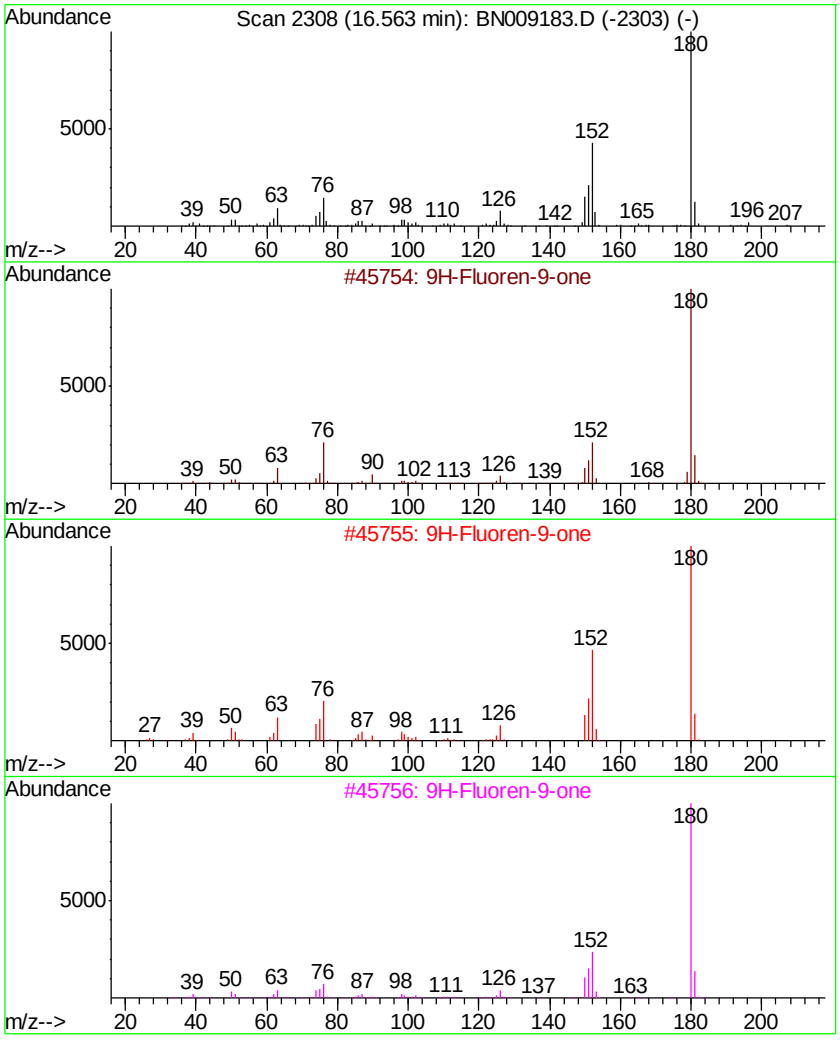
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

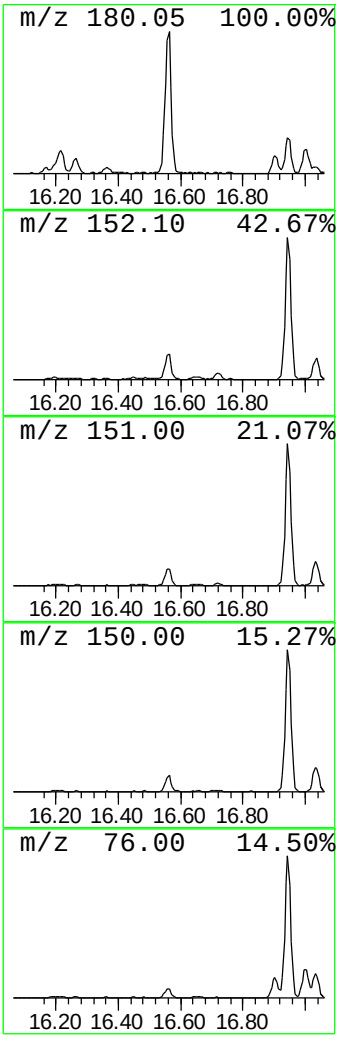
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	2.19 ng/ul	578614	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122619\
Data File : BN009183.D
Acq On : 26 Dec 2019 21:28
Operator : JU
Sample : K6381-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

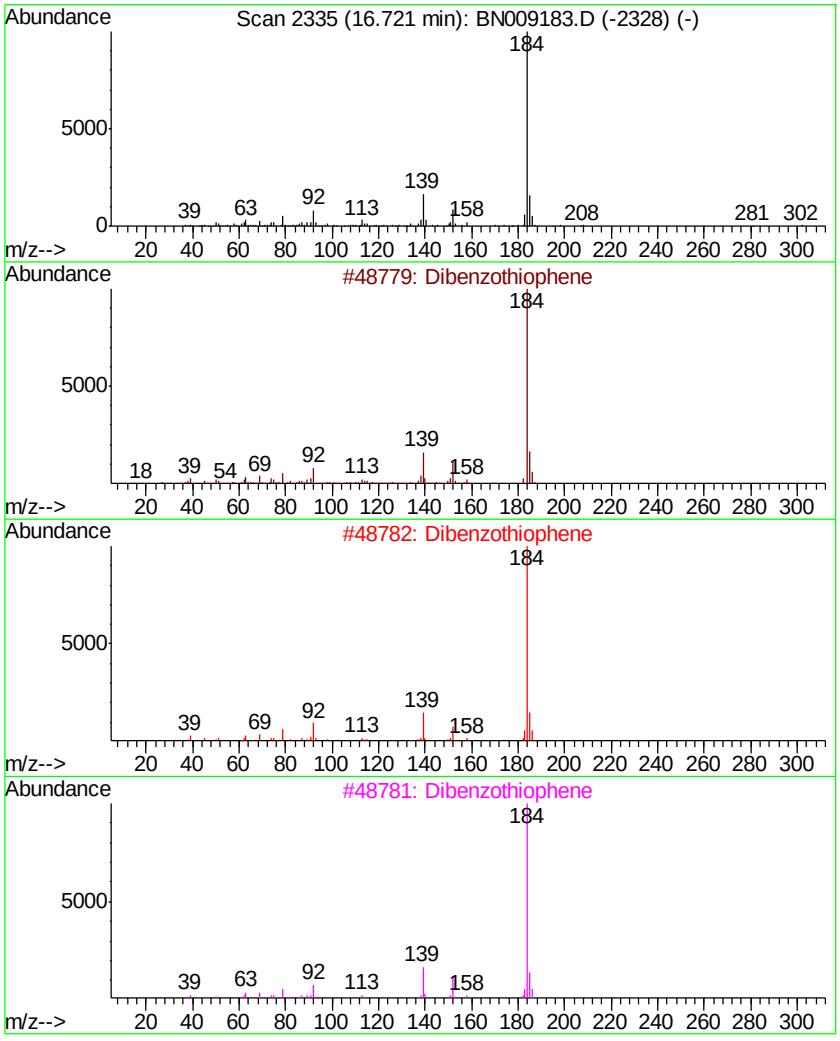
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

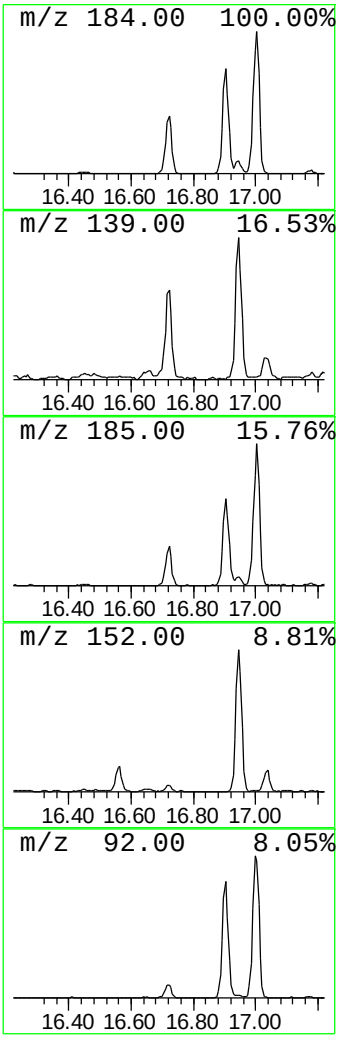
****

Peak Number 5 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	2.42 ng/ul	640493	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
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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Acq On : 26 Dec 2019 21:28
Operator : JU
Sample : K6381-07
Misc :
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Instrument : BNA_N
ClientSampleId : CB5R7

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Quant Title : SVOA CALIBRATION

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

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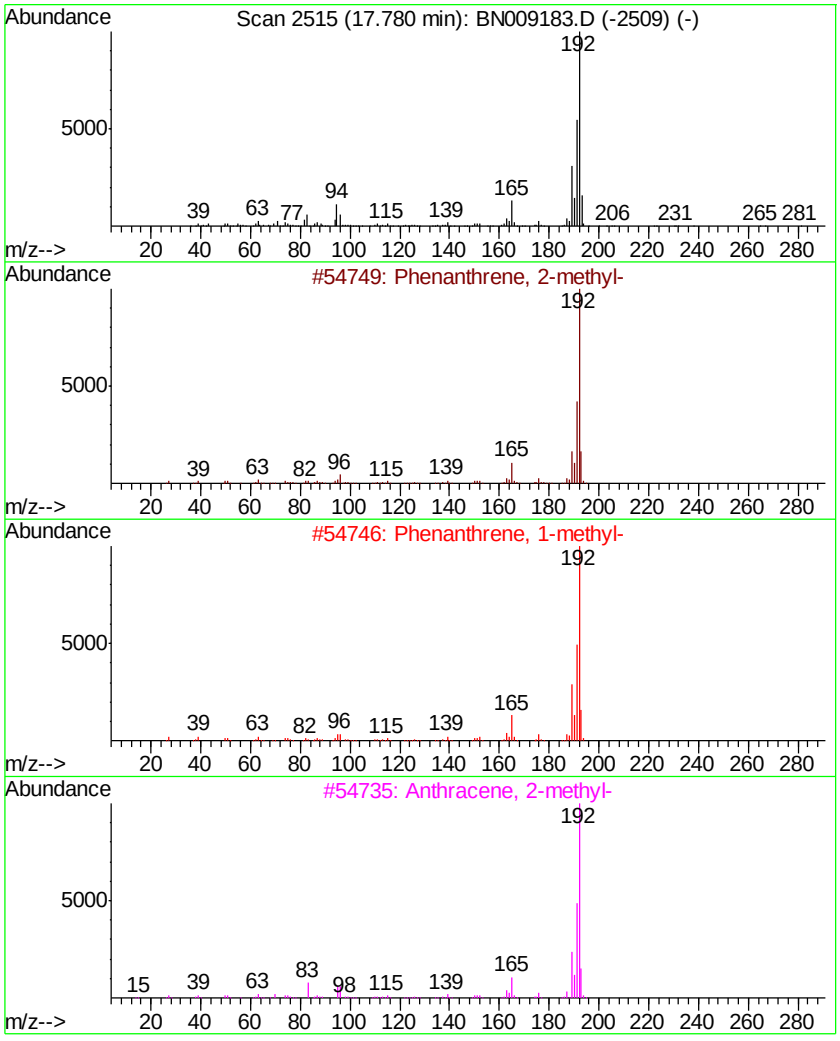
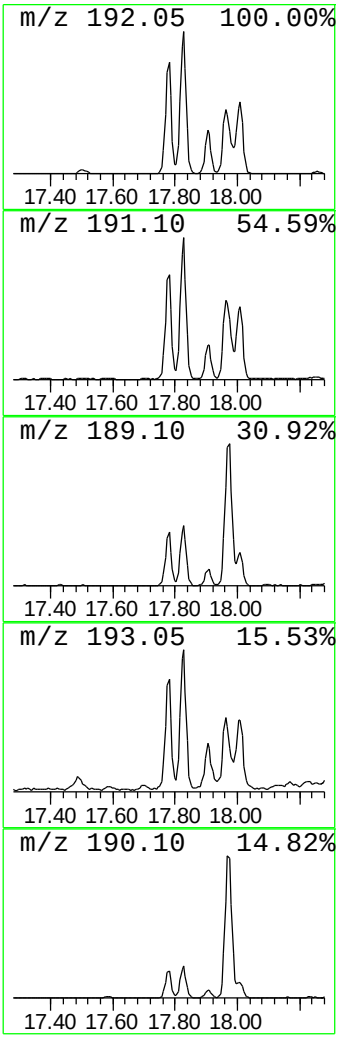
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	3.81 ng/ul	1008800	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Sample : K6381-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5R7

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Quant Title : SVOA CALIBRATION

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

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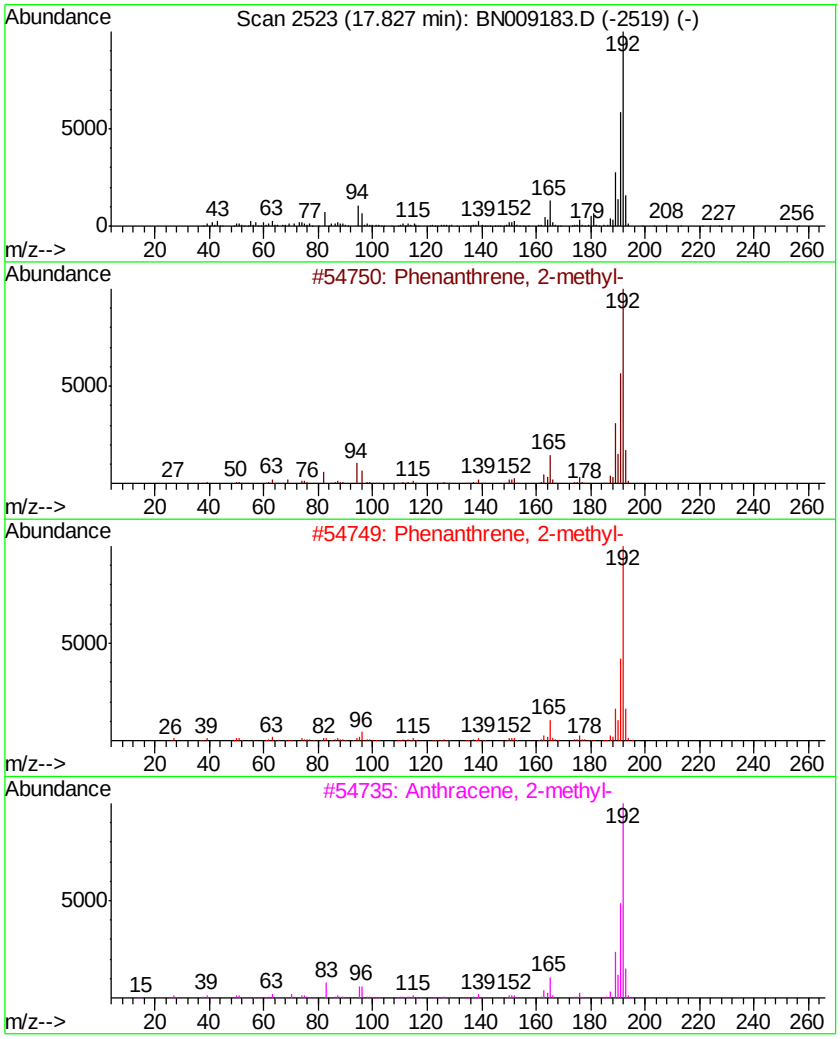
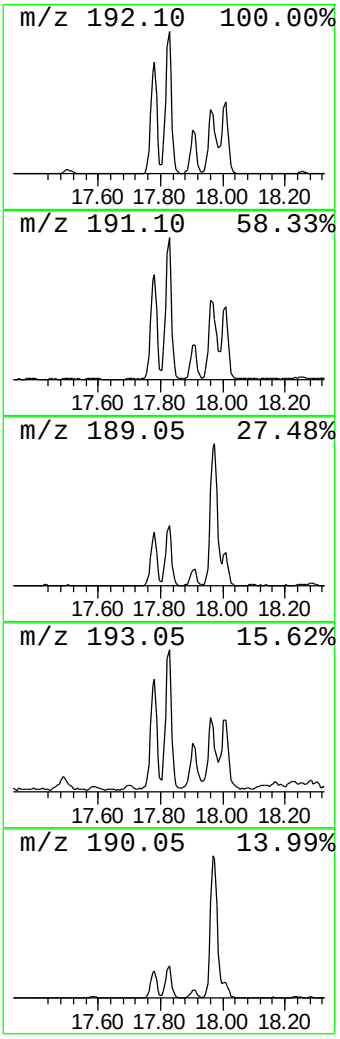
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	5.35 ng/ul	1416140	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Quant Title : SVOA CALIBRATION

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

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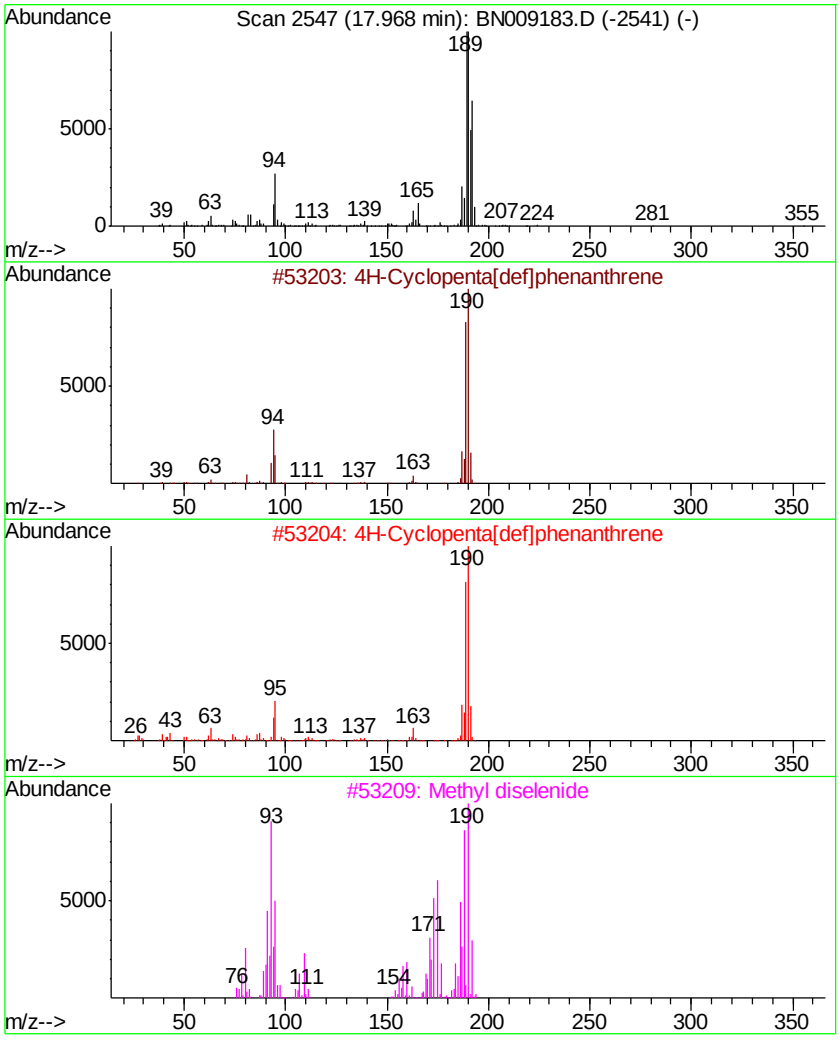
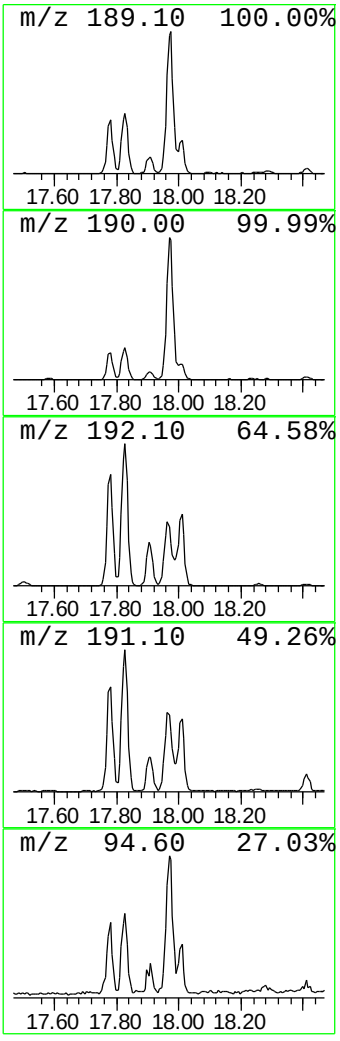
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	5.81 ng/ul	1537670	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	41
3	Methyl diselenide	190	C2H6Se2	007101-31-7	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	35





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Sample : K6381-07
Misc :
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Instrument : BNA_N
ClientSampleId : CB5R7

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Quant Title : SVOA CALIBRATION

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

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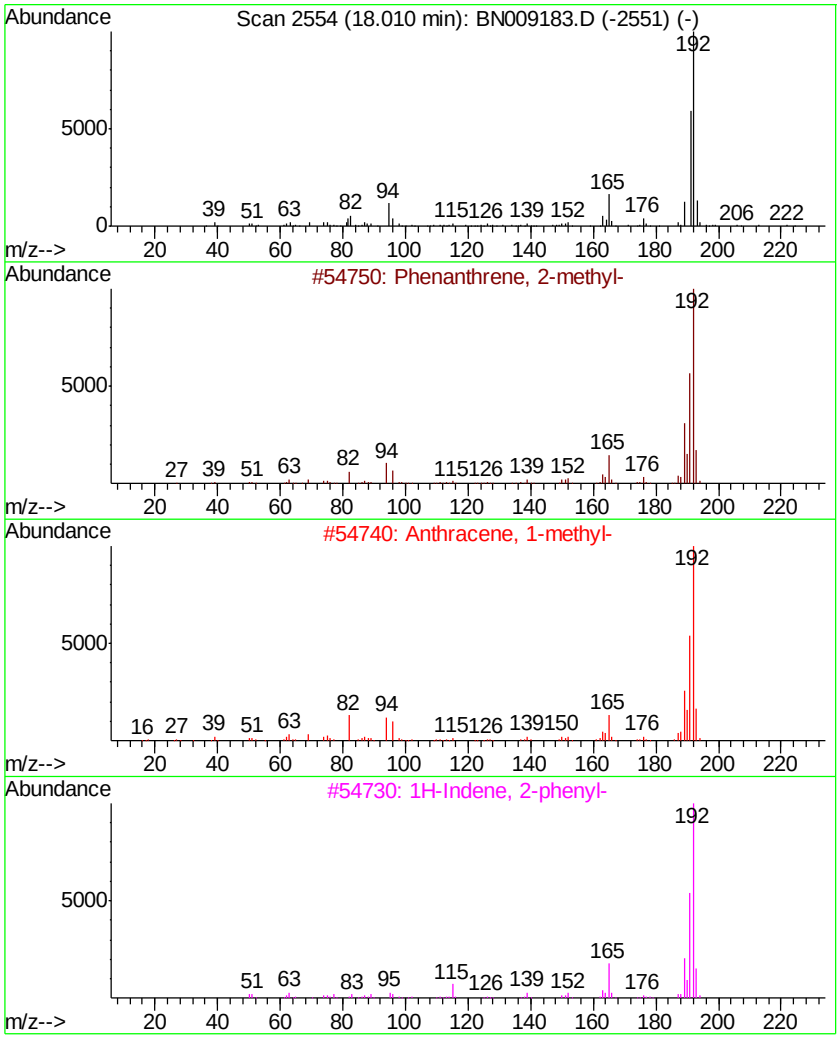
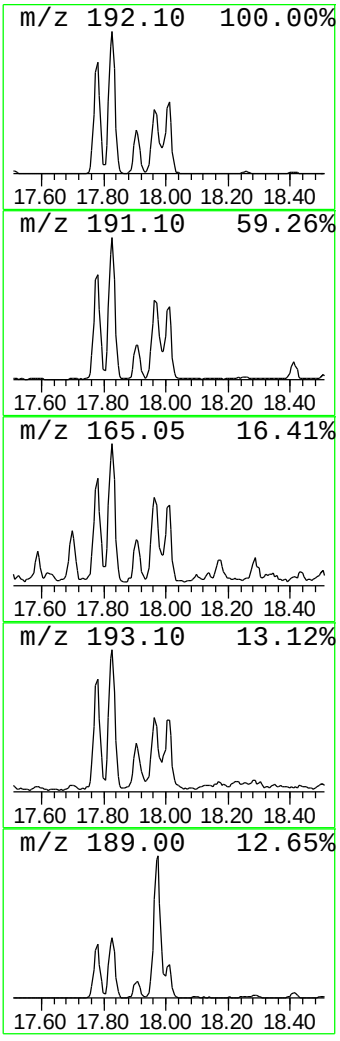
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	2.39 ng/ul	631863	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





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Quant Title : SVOA CALIBRATION

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

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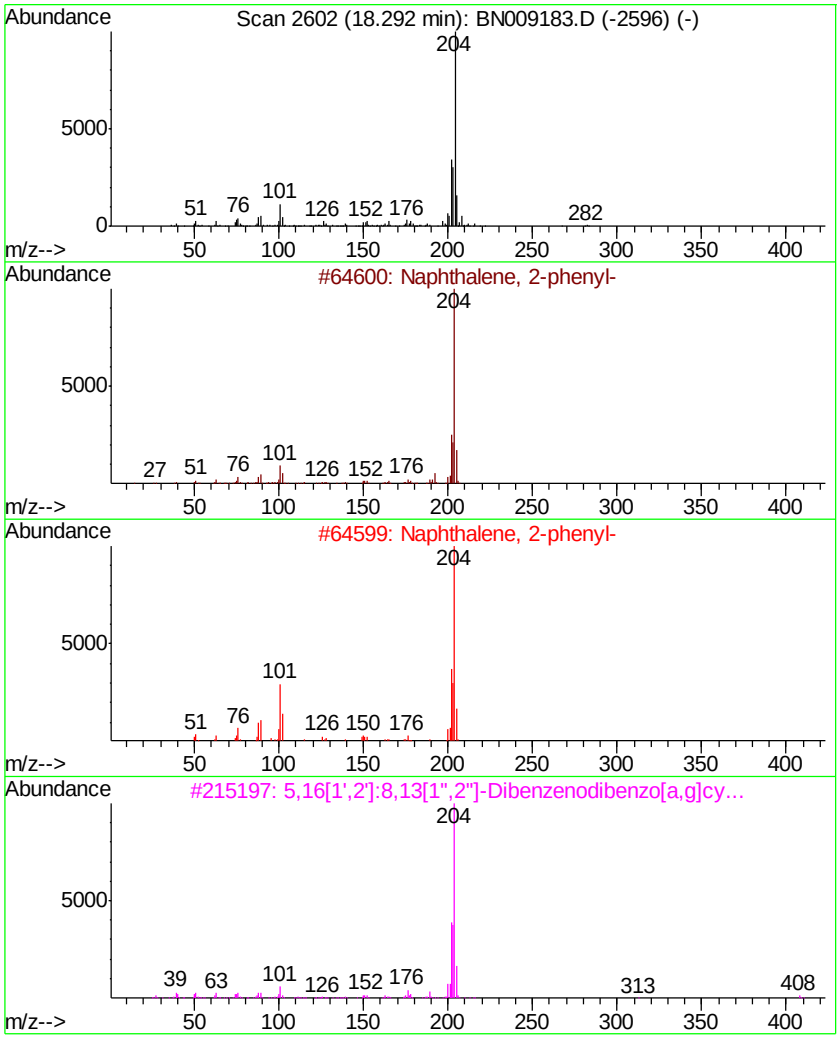
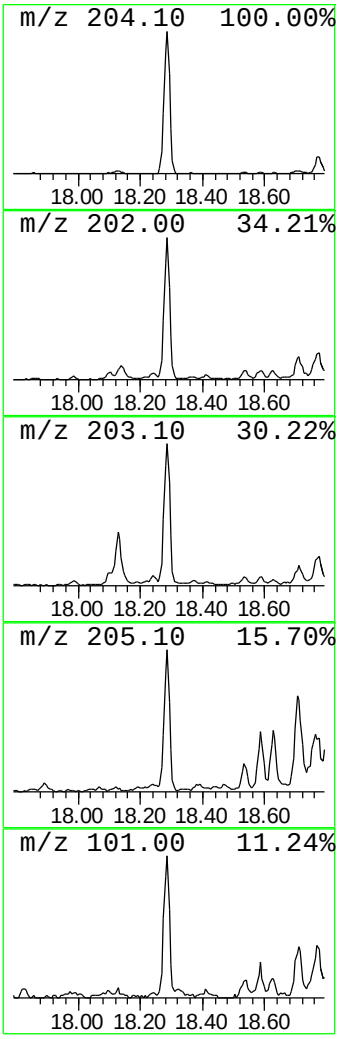
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	2.78 ng/ul	735969	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68





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Sample : K6381-07
Misc :
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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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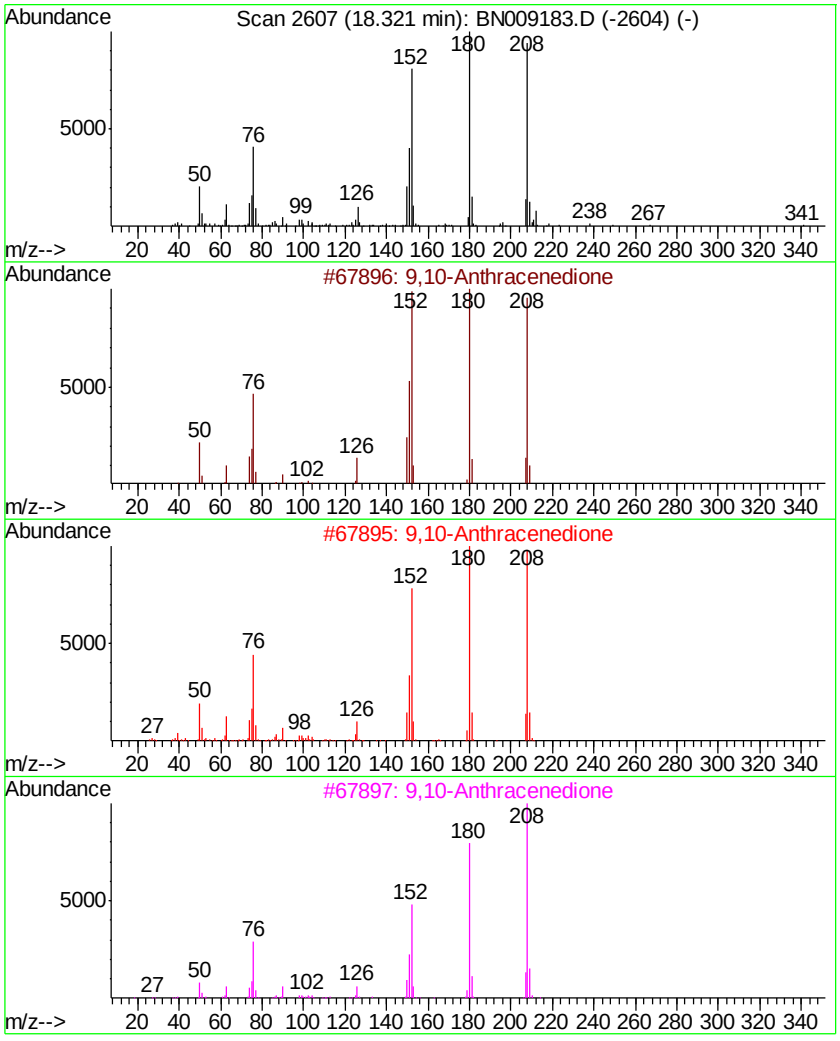
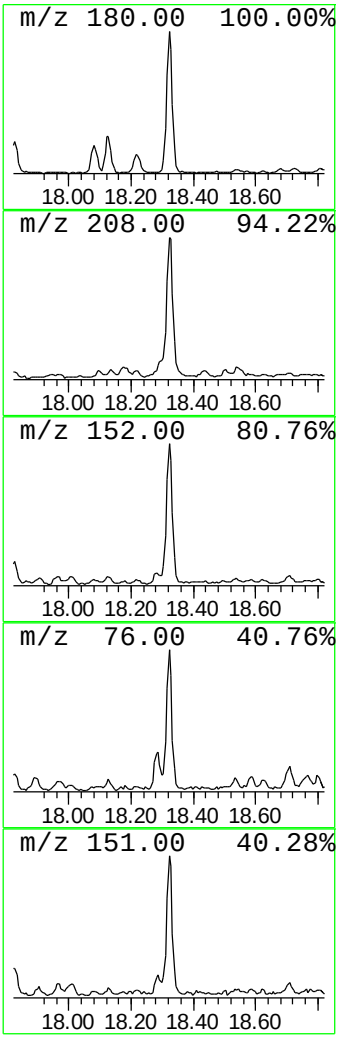
Peak Number 11 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	2.22 ng/ul	587332	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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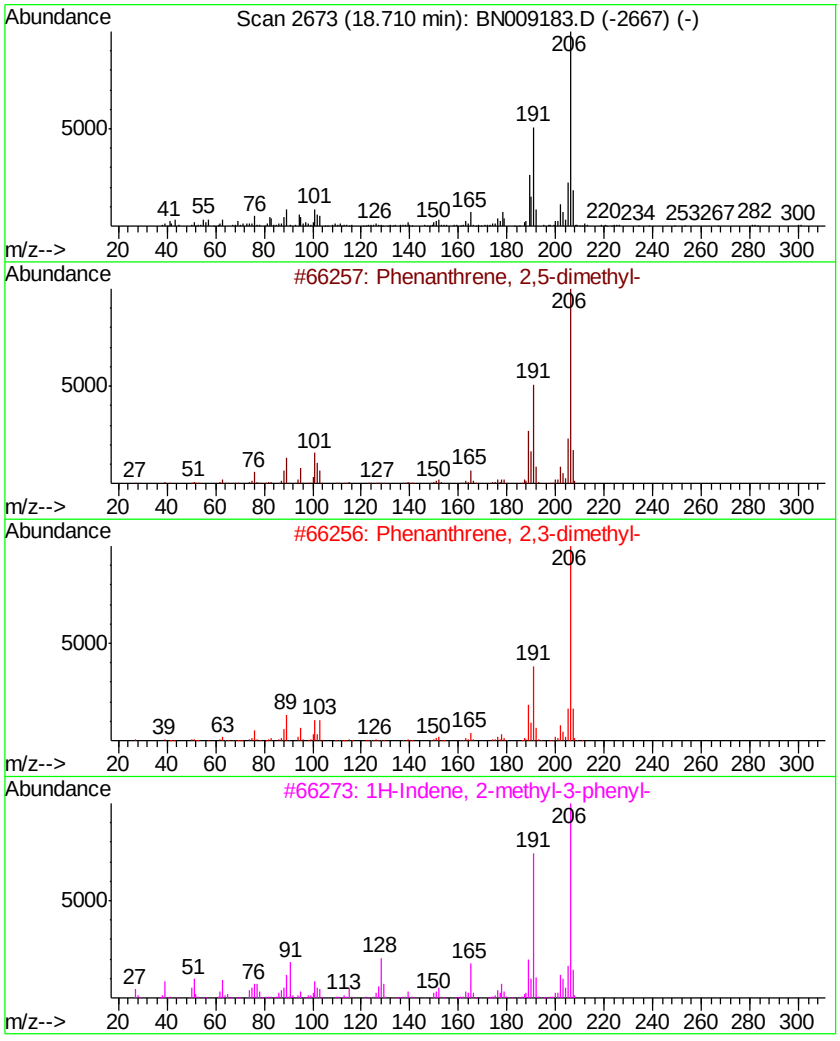
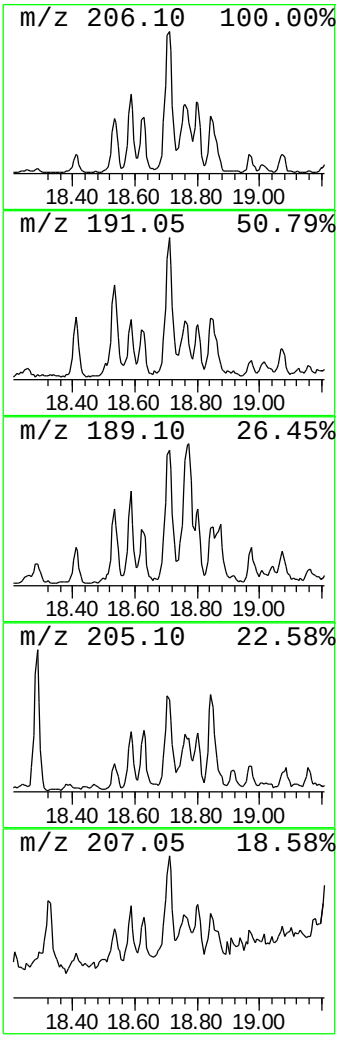
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	2.48 ng/ul	656474	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





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Quant Title : SVOA CALIBRATION

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

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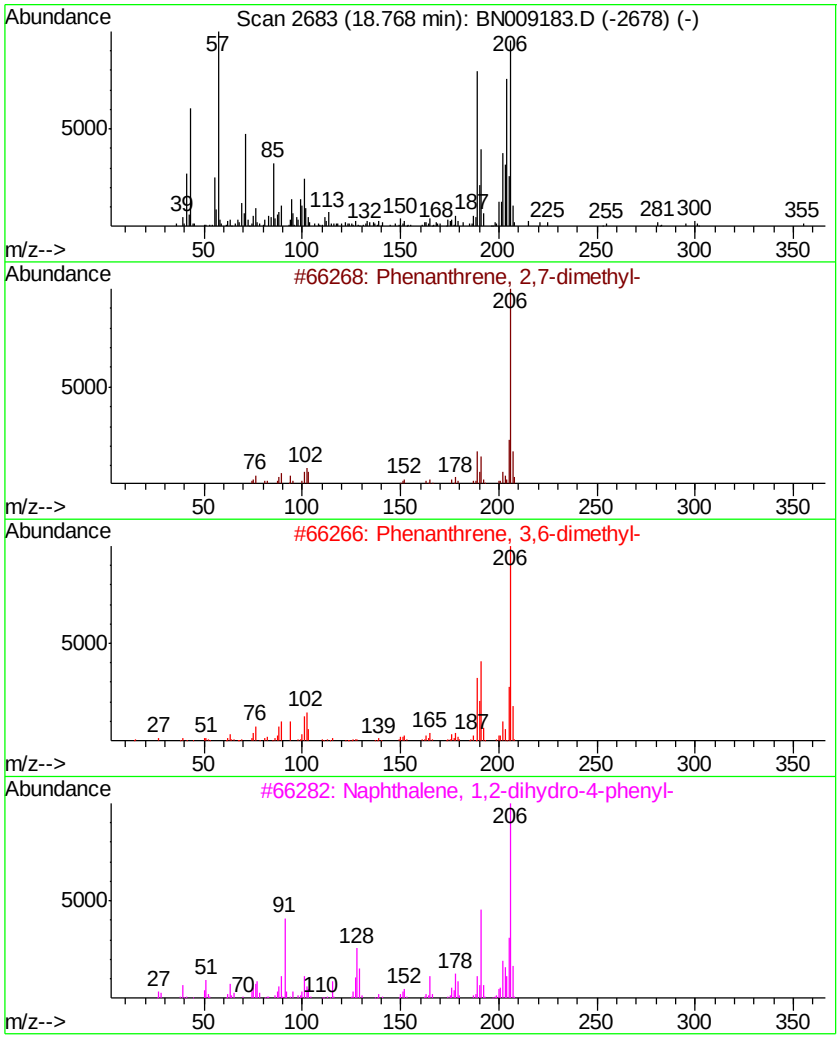
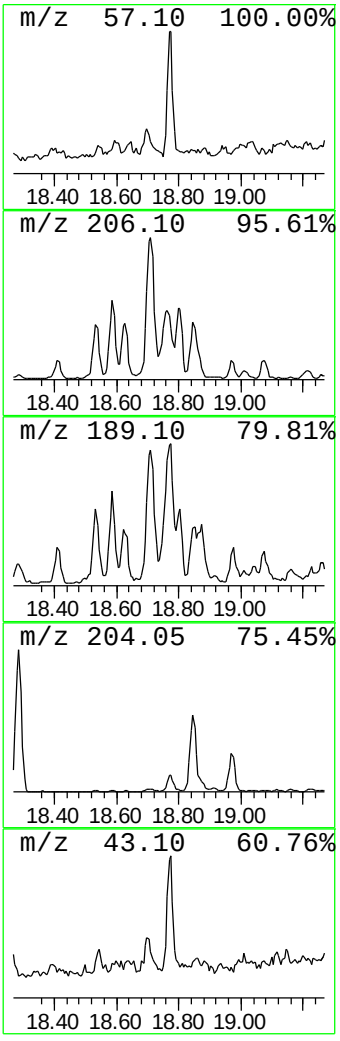
Peak Number 13 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	2.01 ng/ul	533013	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	45
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	30
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	25
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	22





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Quant Title : SVOA CALIBRATION

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

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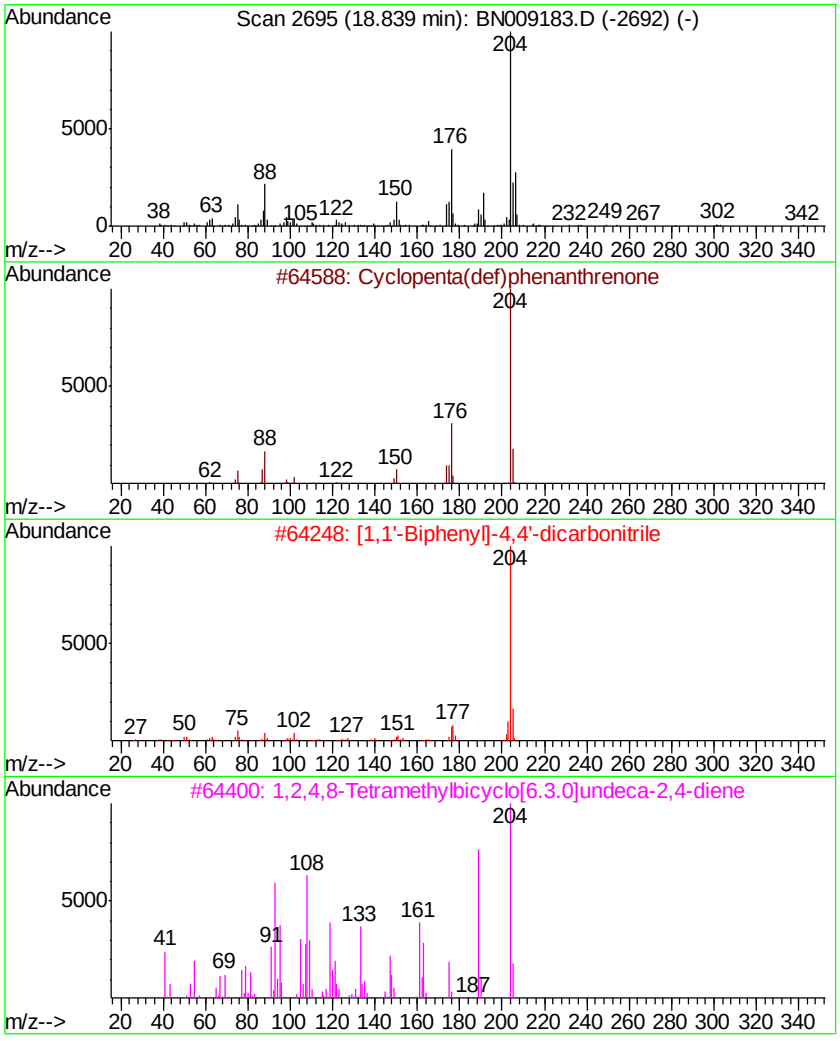
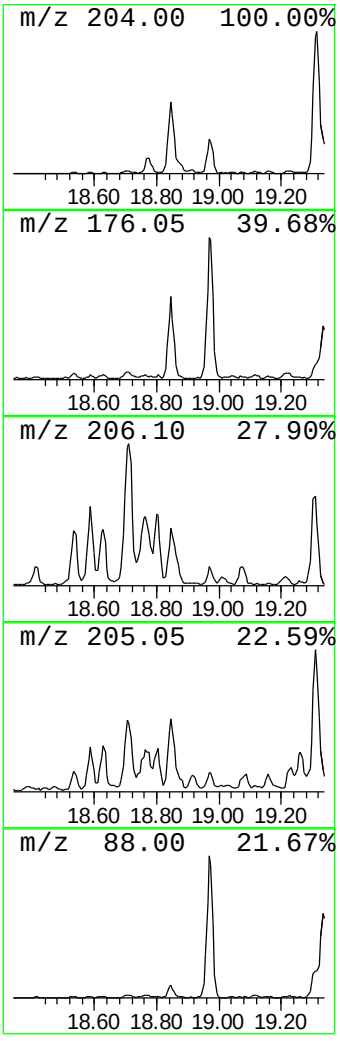
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	2.57 ng/ul	678627	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	43





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Quant Title : SVOA CALIBRATION

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

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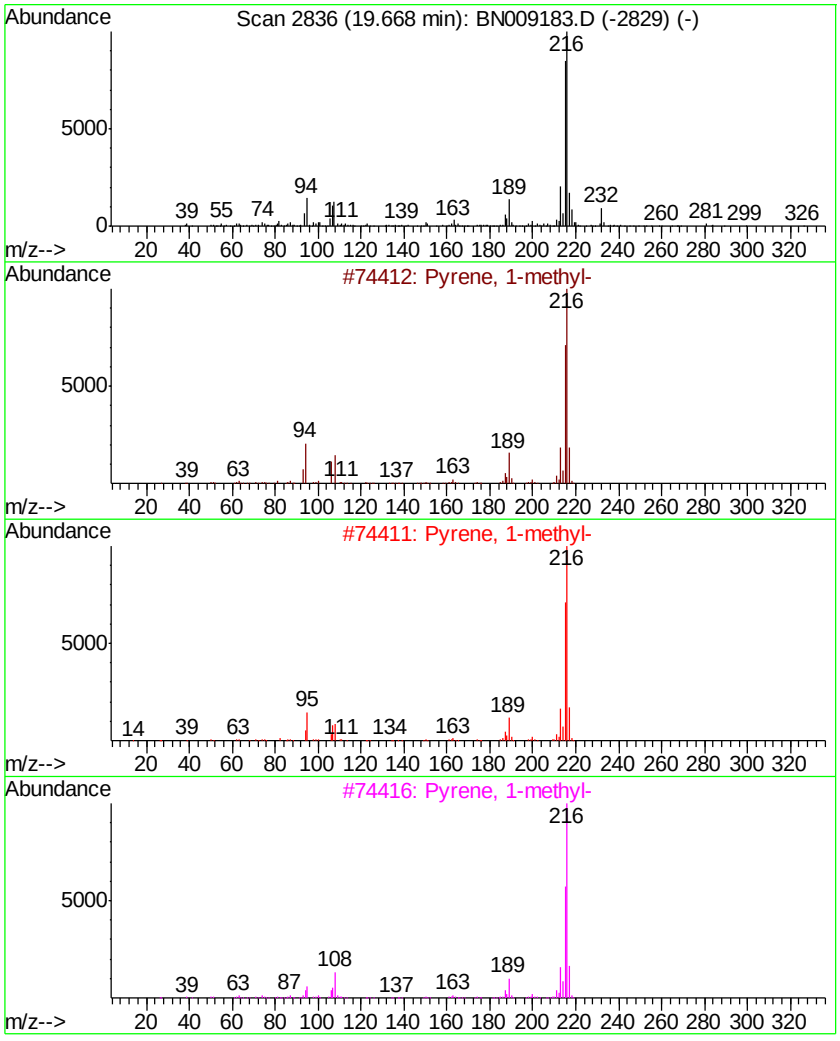
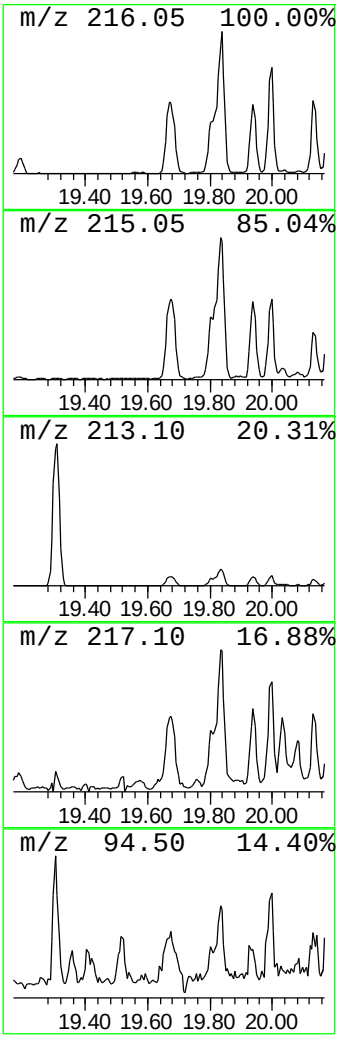
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	2.26 ng/ul	1130210	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Quant Title : SVOA CALIBRATION

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

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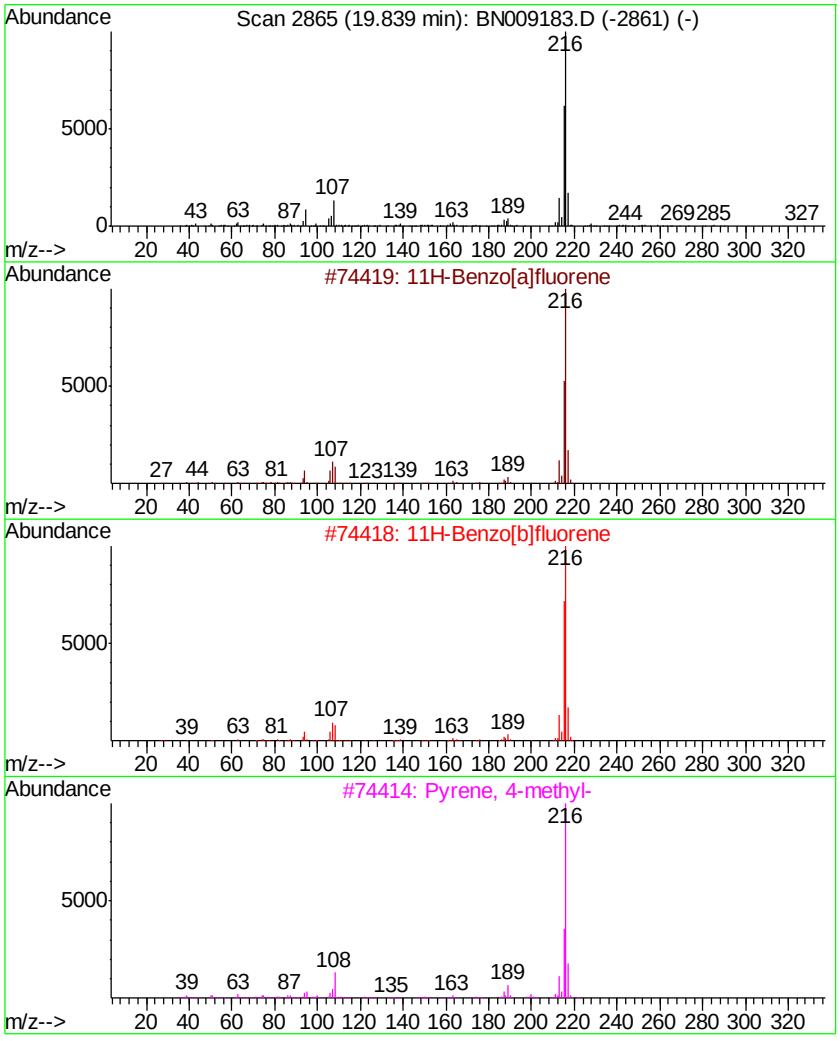
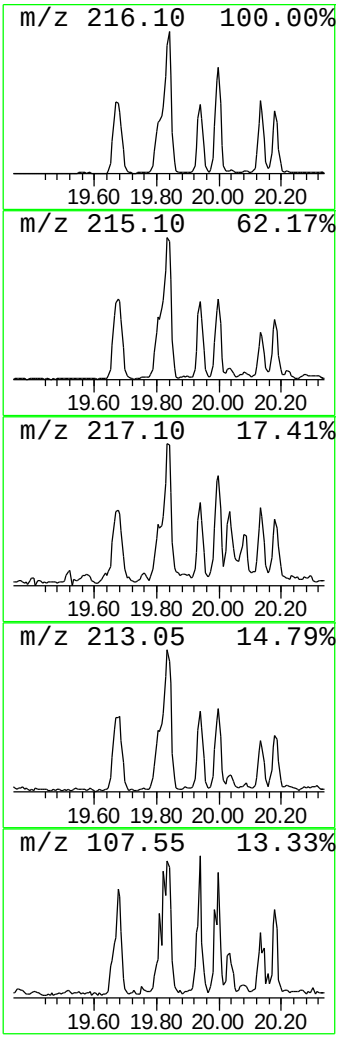
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	2.20 ng/ul	1103540	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	74
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	74
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	74





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Quant Title : SVOA CALIBRATION

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

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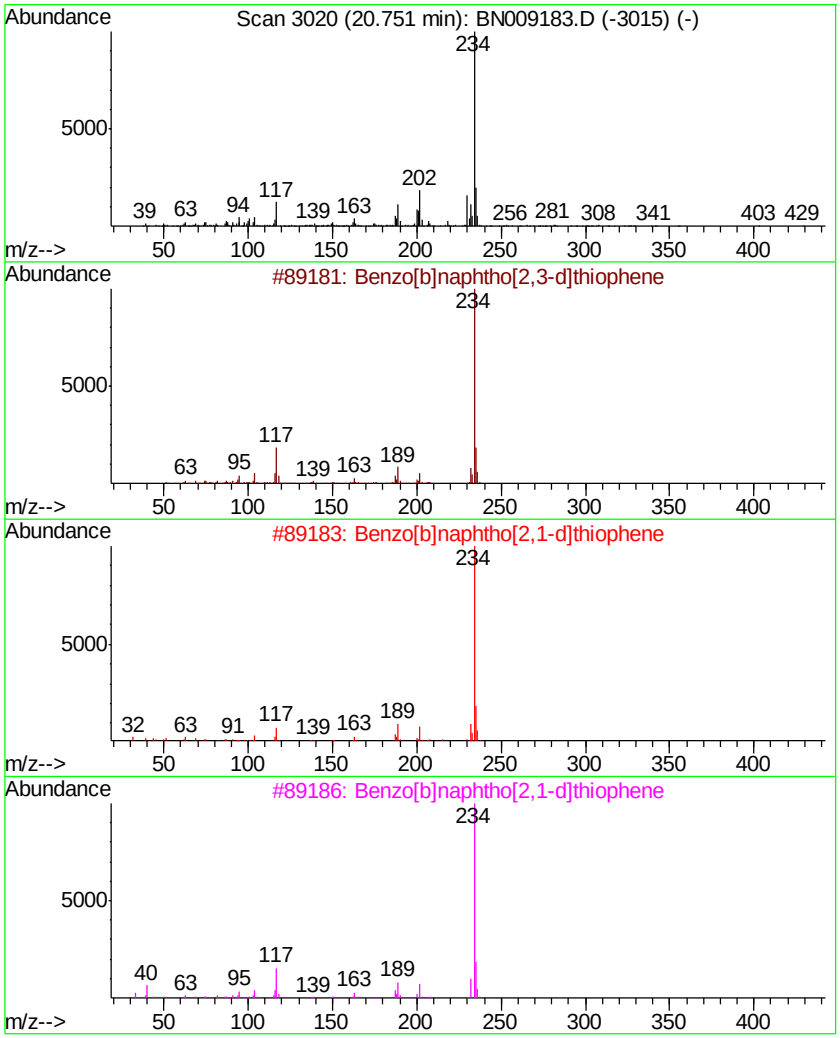
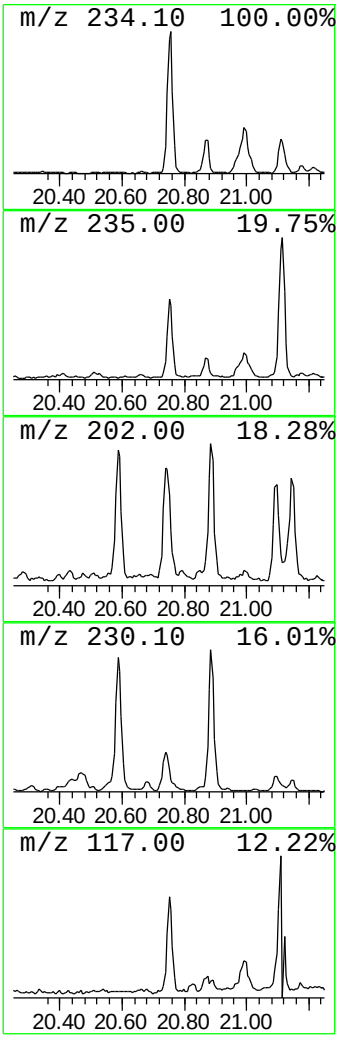
Peak Number 17 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.75	2.00 ng/ul	1004190	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122619\
Data File : BN009183.D
Acq On : 26 Dec 2019 21:28
Operator : JU
Sample : K6381-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

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

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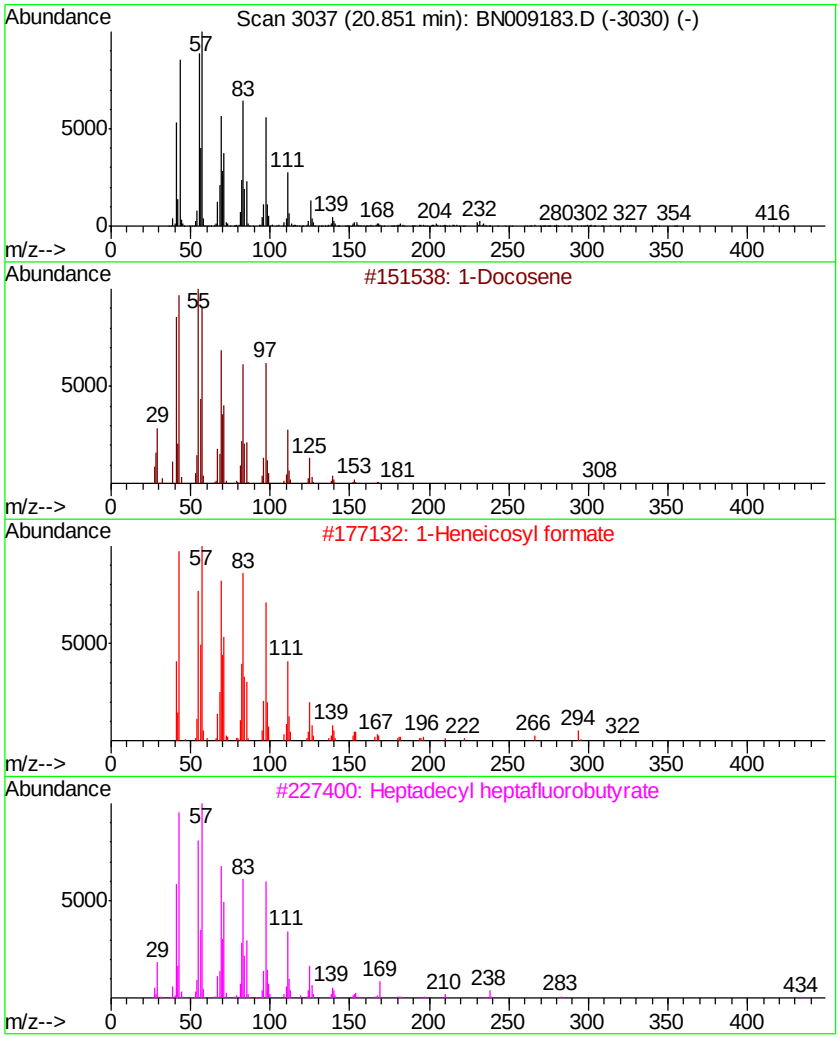
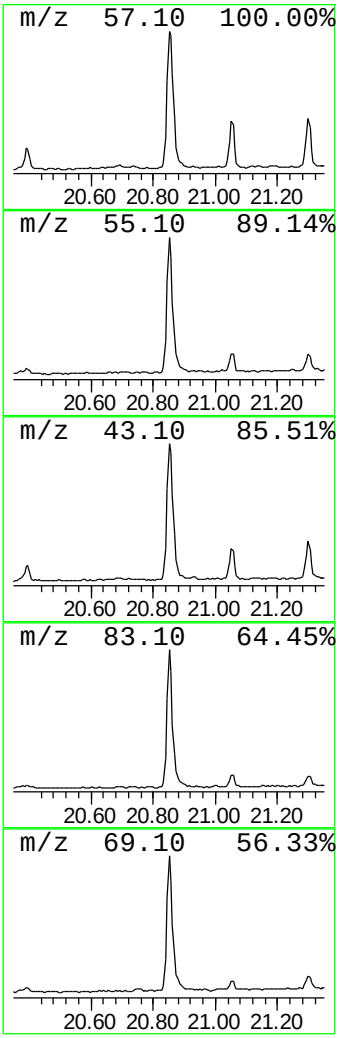
Peak Number 18 (DEL) Alkane: Cyclic20.85 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.85	8.62 ng/ul	4317770	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	99
2	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
4	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
5	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5R7

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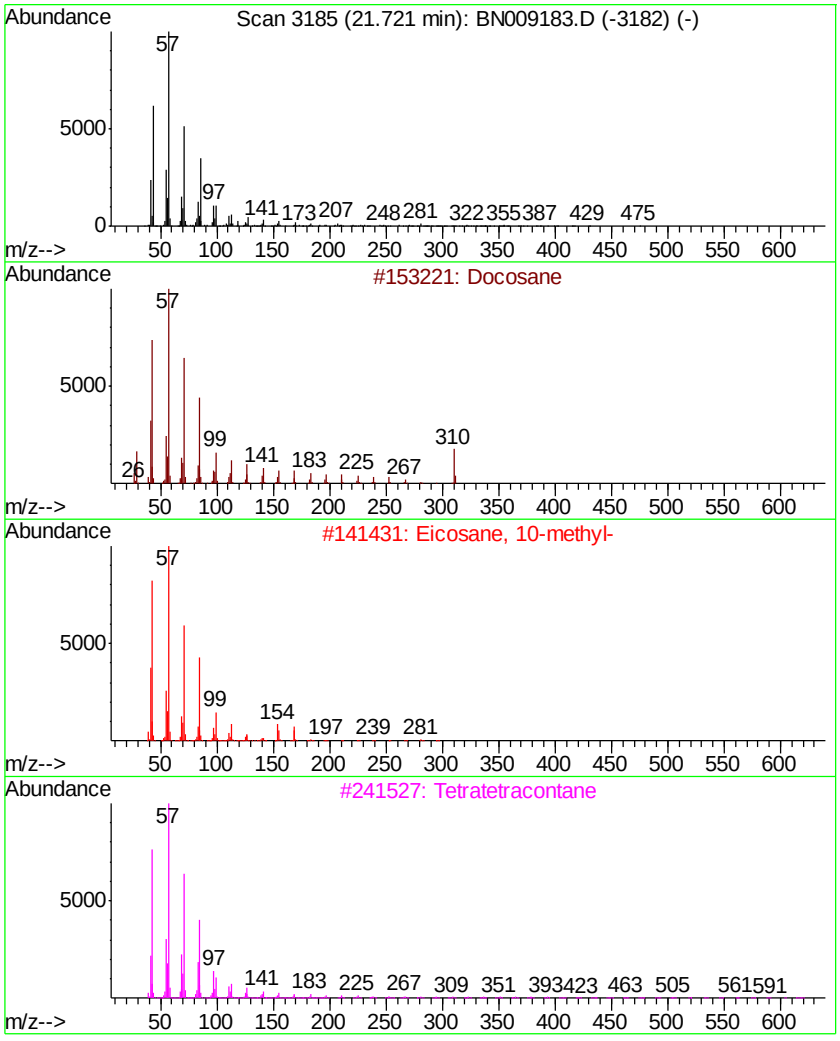
Quant Title : SVOA CALIBRATION

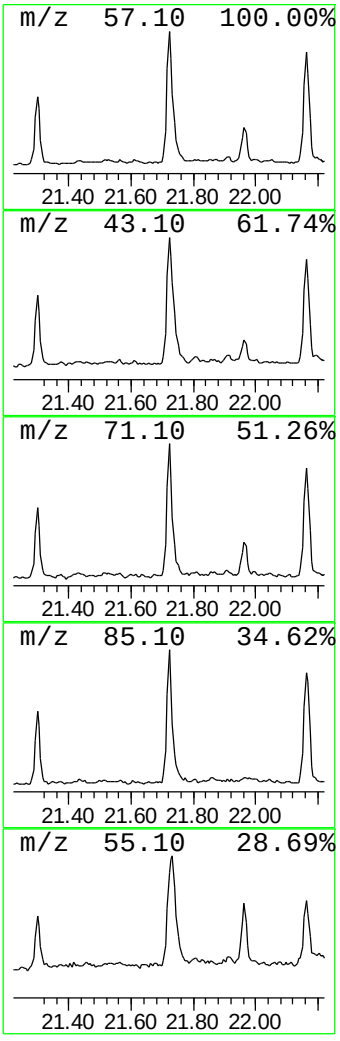
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.72	3.39 ng/ul	1697040	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	91
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	91
3	Tetratetracontane	619	C44H90	007098-22-8	90
4	Eicosane, 3-methyl-	296	C21H44	006418-46-8	90
5	Octacosane	394	C28H58	000630-02-4	90





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Sample : K6381-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

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

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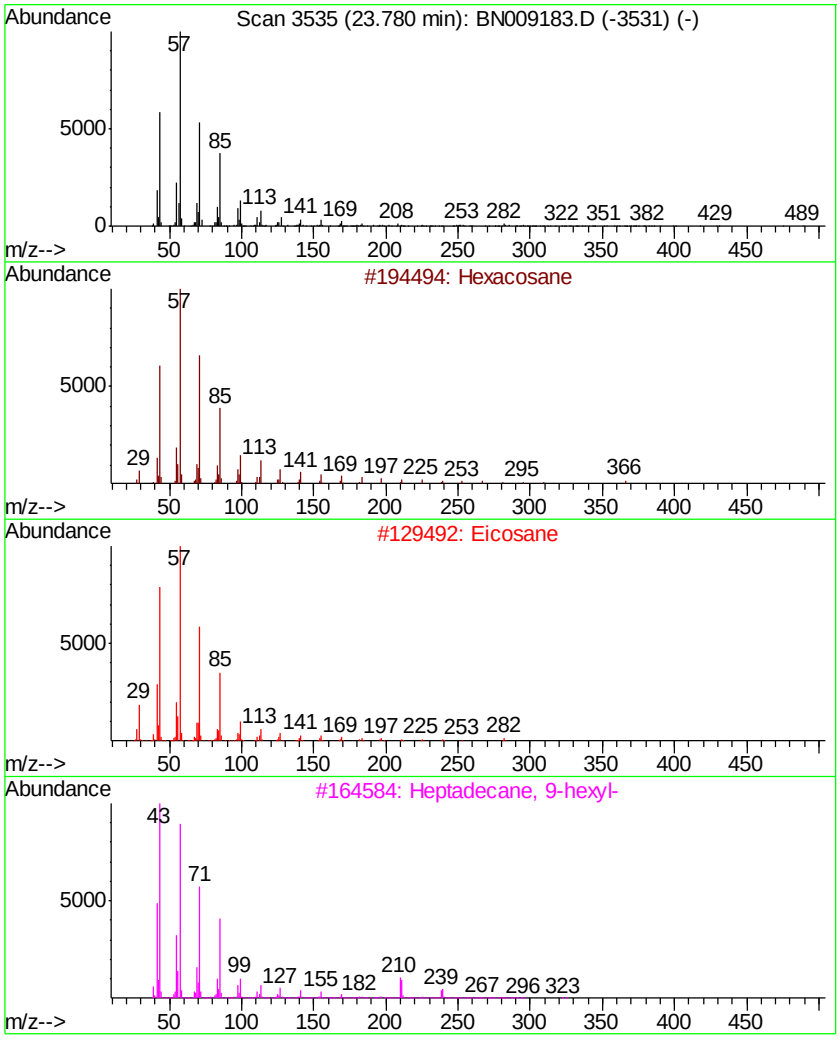
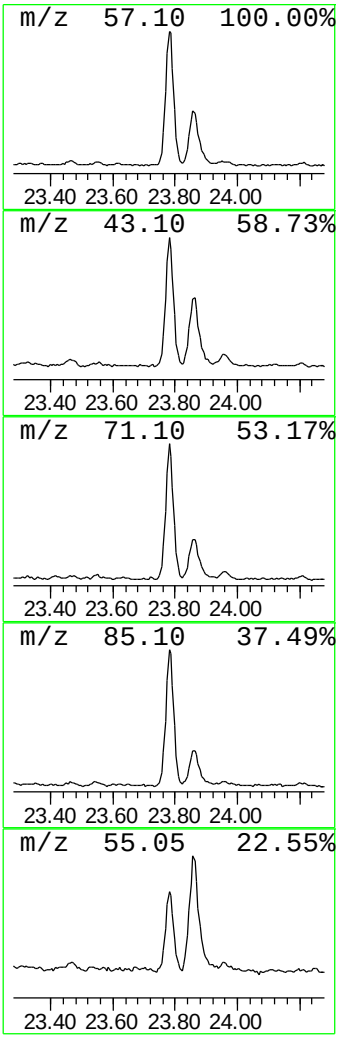
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.78	10.09 ng/ul	1812450	Perylene-d12	23.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	97
2	Eicosane	282	C20H42	000112-95-8	95
3	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	94
4	Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	94
5	Tricosane	324	C23H48	000638-67-5	91





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Data File : BN009183.D
Acq On : 26 Dec 2019 21:28
Operator : JU
Sample : K6381-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

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

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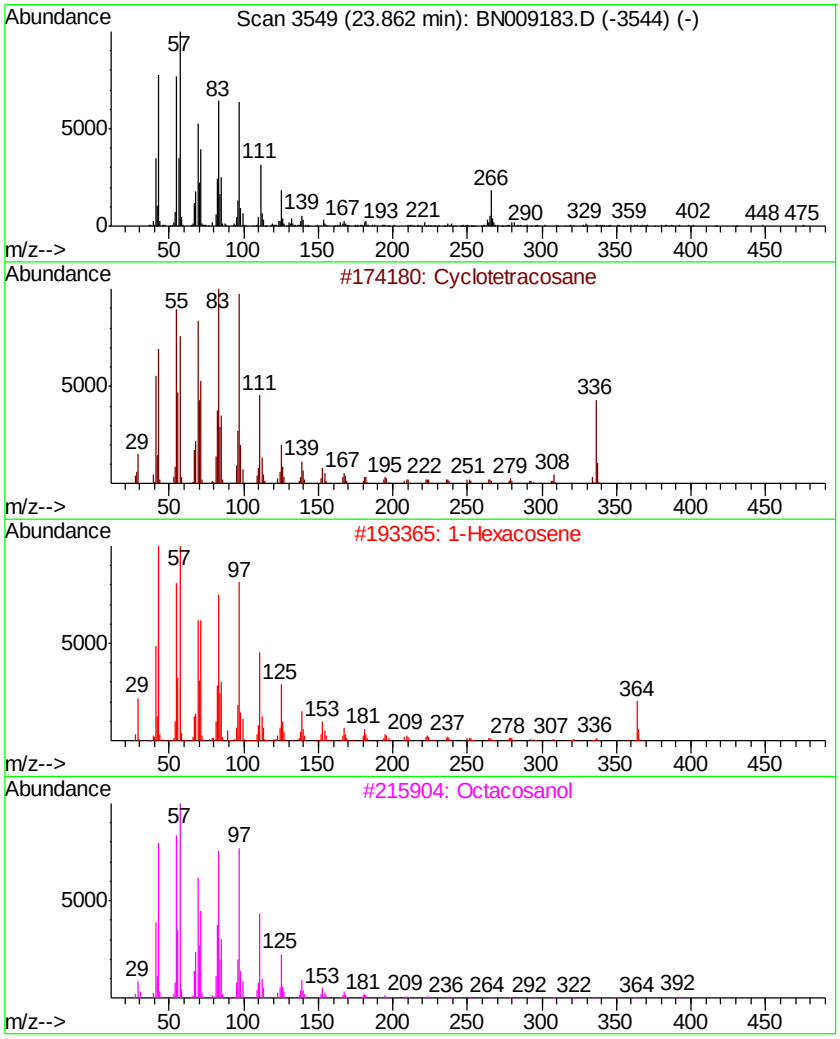
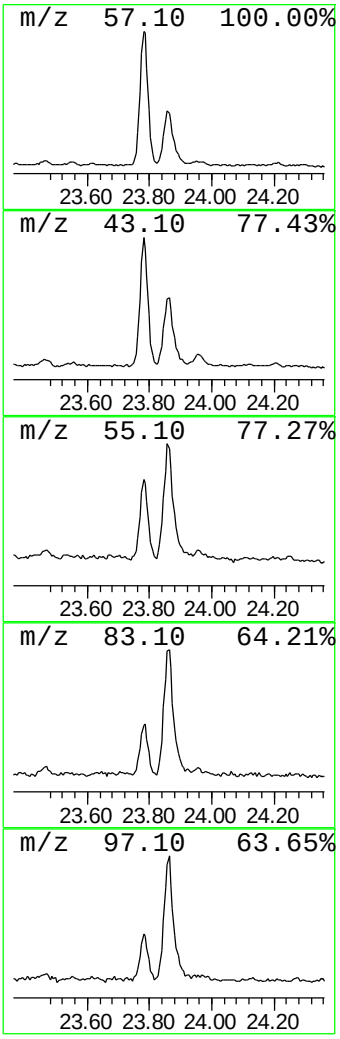
Peak Number 21 (DEL) Alkane: Cyclic23.86 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.86	9.32 ng/ul	1674790	Perylene-d12	23.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	94
2	1-Hexacosene	364	C26H52	018835-33-1	91
3	Octacosanol	410	C28H58O	000557-61-9	90
4	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	90
5	Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	90





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Data File : BN009183.D
Acq On : 26 Dec 2019 21:28
Operator : JU
Sample : K6381-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION

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

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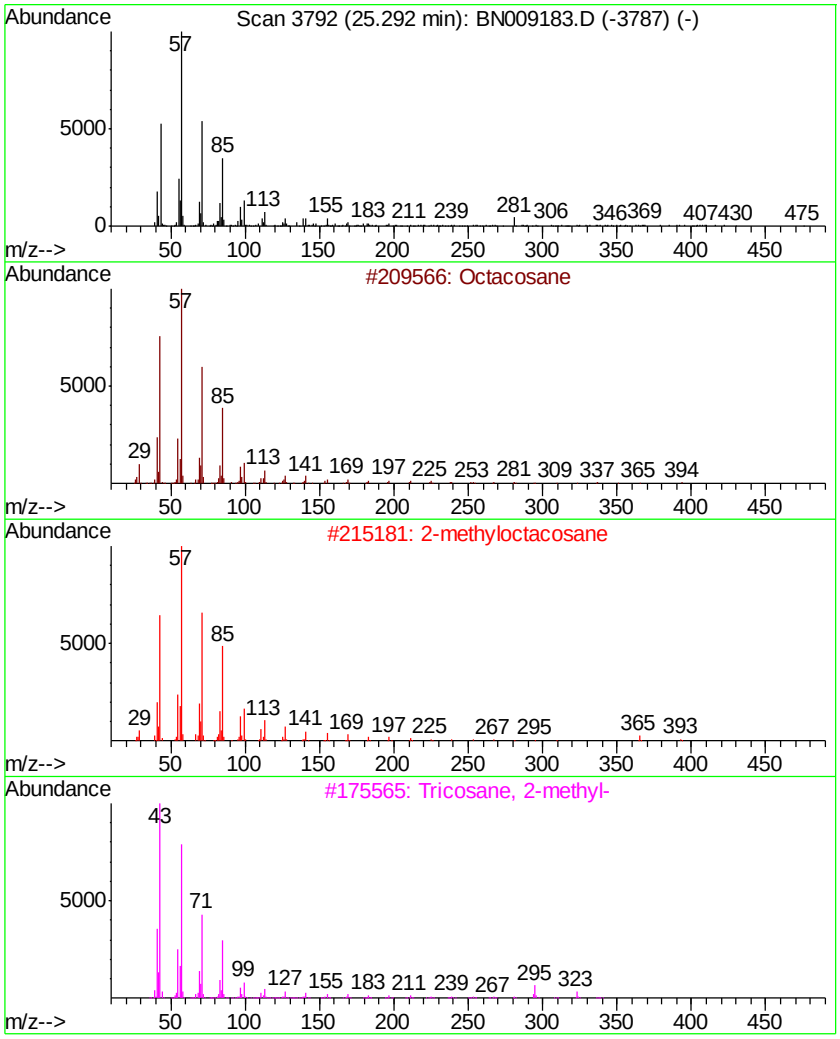
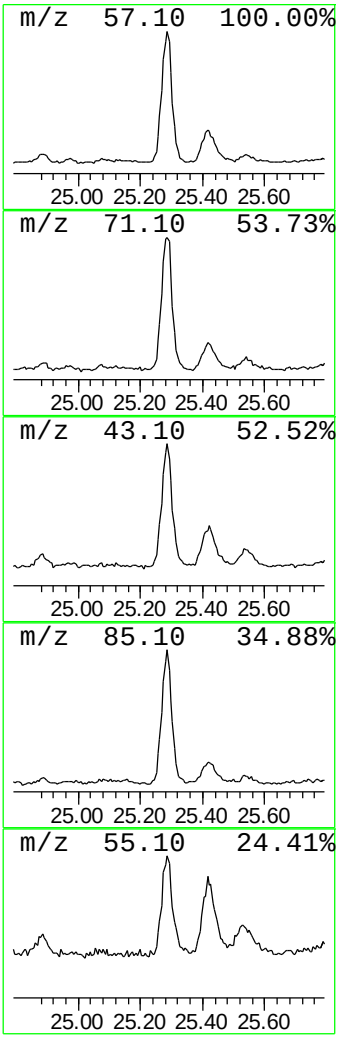
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.29	3.62 ng/ul	650603	Perylene-d12	23.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	97
2	2-methyloctacosane	408	C29H60	1000376-72-8	87
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	87
4	2-methyltetracosane	352	C25H52	1000376-72-6	83
5	Heptadecane	240	C17H36	000629-78-7	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122619\
Data File : BN009183.D
Acq On : 26 Dec 2019 21:28
Operator : JU
Sample : K6381-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CB5R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.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
Toluene	3.83	2.1	ng/ul	257381	1	7.52	2437540	20.0
3-Penten-1-ol, 2-...	4.05	2.3	ng/ul	274751	1	7.52	2437540	20.0
Nonanal	8.84	3.8	ng/ul	467372	1	7.52	2437540	20.0
9H-Fluoren-9-one	16.56	2.2	ng/ul	578614	4	16.90	5290730	20.0
Dibenzothiophene	16.72	2.4	ng/ul	640493	4	16.90	5290730	20.0
Phenanthrene, 2-m...	17.78	3.8	ng/ul	1008800	4	16.90	5290730	20.0
Anthracene, 2-met...	17.83	5.3	ng/ul	1416140	4	16.90	5290730	20.0
4H-Cyclopenta[def...	17.97	5.8	ng/ul	1537670	4	16.90	5290730	20.0
Anthracene, 1-met...	18.01	2.4	ng/ul	631863	4	16.90	5290730	20.0
Naphthalene, 2-ph...	18.29	2.8	ng/ul	735969	4	16.90	5290730	20.0
9,10-Anthracenedione	18.32	2.2	ng/ul	587332	4	16.90	5290730	20.0
Phenanthrene, 2,5...	18.71	2.5	ng/ul	656474	4	16.90	5290730	20.0
unknown-01	18.77	2.0	ng/ul	533013	4	16.90	5290730	20.0
Cyclopenta(def)ph...	18.84	2.6	ng/ul	678627	4	16.90	5290730	20.0
Pyrene, 1-methyl-	19.67	2.3	ng/ul	1130210	5	21.11	10022500	20.0
11H-Benzo[a]fluorene	19.84	2.2	ng/ul	1103540	5	21.11	10022500	20.0
Benzo[b]naphtho[2...	20.75	2.0	ng/ul	1004190	5	21.11	10022500	20.0
(DEL) Alkane: Cyc...	20.85	8.6	ng/ul	4317770	5	21.11	10022500	20.0
(DEL) Alkane: Str...	21.72	3.4	ng/ul	1697040	5	21.11	10022500	20.0
(DEL) Alkane: Str...	23.78	10.1	ng/ul	1812450	6	23.24	3593030	20.0
(DEL) Alkane: Cyc...	23.86	9.3	ng/ul	1674790	6	23.24	3593030	20.0
(DEL) Alkane: Str...	25.29	3.6	ng/ul	650603	6	23.24	3593030	20.0