LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122718\
Data File : BN004250.D
Acq On : 27 Dec 2018 21:09
Operator : JU/SJ
Sample : J6441-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BF023

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.058	9	12	15	rVB	133186	130570	6.27%	0.434%
2	6.899	660	665	671	rBV2	31891	61282	2.94%	0.204%
3	6.987	676	680	692	rVB2	108580	225814	10.84%	0.751%
4	7.152	703	708	713	rBV	93707	142041	6.82%	0.472%
5	7.352	736	742	748	rBV	107575	165141	7.93%	0.549%
6	7.452	755	759	765	rVB	37144	53571	2.57%	0.178%
7	7.822	815	822	833	rVB	133210	212206	10.18%	0.705%
8	8.528	936	942	949	rBV	143913	234253	11.24%	0.779%
9	8.993	1014	1021	1029	rBB2	122359	225924	10.84%	0.751%
10	9.557	1112	1117	1123	rBB	31868	45380	2.18%	0.151%
11	9.704	1136	1142	1148	rBB	70824	109502	5.25%	0.364%
12	10.246	1228	1234	1245	rBV	105466	180053	8.64%	0.599%
13	10.616	1290	1297	1302	rBV	212085	344950	16.55%	1.147%
14	10.763	1314	1322	1339	rBV	129996	220651	10.59%	0.733%
15	10.987	1356	1360	1366	rBB	23421	34350	1.65%	0.114%
16	13.863	1844	1849	1854	rVV	289471	393312	18.87%	1.307%
17	13.910	1854	1857	1861	rVB	55091	69907	3.35%	0.232%
18	14.151	1893	1898	1913	rVB	350499	536749	25.76%	1.784%
19	14.457	1942	1950	1957	rBV2	291418	459932	22.07%	1.529%
20	14.522	1957	1961	1968	rVB	43241	60915	2.92%	0.202%
21	14.857	2008	2018	2025	rVB2	16281	35161	1.69%	0.117%
22	15.451	2113	2119	2124	rBV	502102	666626	31.99%	2.216%
23	15.504	2124	2128	2138	rVB	46576	72972	3.50%	0.243%
24	16.157	2236	2239	2246	rVB4	18529	39053	1.87%	0.130%
25	16.269	2254	2258	2262	rBV	26875	39004	1.87%	0.130%
26	16.333	2264	2269	2274	rVB2	22879	46004	2.21%	0.153%
27	16.392	2274	2279	2283	rBV2	25539	35196	1.69%	0.117%
28	16.486	2290	2295	2297	rBV4	22238	34614	1.66%	0.115%
29	16.592	2310	2313	2319	rVB3	16724	27723	1.33%	0.092%
30	16.657	2320	2324	2328	rVB	32421	44405	2.13%	0.148%
31	16.769	2341	2343	2353	rVB5	16188	30776	1.48%	0.102%
32	16.928	2366	2370	2373	rBV2	25849	36304	1.74%	0.121%
33	16.969	2374	2377	2383	rVB6	21402	34790	1.67%	0.116%
34	17.028	2383	2387	2391	rBV	29916	42257	2.03%	0.140%

LSC Area Percent Report

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Acq On : 27 Dec 2018 21:09
Operator : JU/SJ
Sample : J6441-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BF023

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	17.210	2412	2418	2421	rBV	387557	580638	27.86%	1.930%
36	17.251	2421	2425	2430	rVV	601008	839592	40.29%	2.791%
37	17.304	2430	2434	2438	rVV2	468641	691148	33.17%	2.298%
38	17.339	2438	2440	2445	rVV	153802	187108	8.98%	0.622%
39	17.398	2447	2450	2454	rVB	23163	31669	1.52%	0.105%
40	17.545	2470	2475	2479	rBV5	11994	27680	1.33%	0.092%
41	17.616	2484	2487	2492	rVV	39998	68020	3.26%	0.226%
42	17.663	2492	2495	2501	rVB2	30461	39947	1.92%	0.133%
43	17.722	2501	2505	2508	rBV	36334	43883	2.11%	0.146%
44	17.922	2535	2539	2547	rBV6	17945	46670	2.24%	0.155%
45	18.080	2561	2566	2568	rBV	129102	184077	8.83%	0.612%
46	18.127	2568	2574	2577	rVV2	150545	259380	12.45%	0.862%
47	18.210	2583	2588	2593	rVB	72818	111307	5.34%	0.370%
48	18.280	2593	2600	2603	rBV2	217099	404647	19.42%	1.345%
49	18.310	2603	2605	2610	rVB	96526	128905	6.19%	0.429%
50	18.357	2610	2613	2619	rBV3	20812	45063	2.16%	0.150%
51	18.527	2638	2642	2645	rBV2	34194	50720	2.43%	0.169%
52	18.580	2647	2651	2655	rVV	80514	107471	5.16%	0.357%
53	18.633	2657	2660	2666	rVB	31763	44806	2.15%	0.149%
54	18.810	2687	2690	2696	rVB4	60040	116629	5.60%	0.388%
55	18.874	2698	2701	2705	rVB	58881	67806	3.25%	0.225%
56	18.916	2705	2708	2711	rBV	30419	48738	2.34%	0.162%
57	18.998	2717	2722	2726	rBV3	154511	244499	11.73%	0.813%
58	19.151	2742	2748	2760	rVB6	45579	143130	6.87%	0.476%
59	19.269	2762	2768	2772	rBV	1138853	1595844	76.58%	5.305%
60	19.310	2772	2775	2781	rVB	566089	738738	35.45%	2.456%
61	19.363	2781	2784	2786	rBV2	45382	52905	2.54%	0.176%
62	19.398	2786	2790	2797	rVV6	39351	76325	3.66%	0.254%
63	19.604	2820	2825	2828	rBV2	715408	1182742	56.76%	3.932%
64	19.639	2828	2831	2837	rVB	1226826	1611178	77.32%	5.356%
65	19.704	2838	2842	2846	rVB	83918	106244	5.10%	0.353%
66	19.774	2851	2854	2855	rBV3	35055	37417	1.80%	0.124%
67	19.963	2880	2886	2892	rBV2	86351	205149	9.85%	0.682%
68	20.033	2894	2898	2903	rBV	188033	260291	12.49%	0.865%
69	20.127	2905	2914	2917	rVB2	185811	453115	21.74%	1.506%
70	20.227	2927	2931	2934	rBV	208795	286060	13.73%	0.951%
71	20.286	2938	2941	2945	rVB	140118	182052	8.74%	0.605%

LSC Area Percent Report

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Acq On : 27 Dec 2018 21:09
Operator : JU/SJ
Sample : J6441-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BF023

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	20.427	2961	2965	2969	rBV2	144616	217922	10.46%	0.724%
73	20.469	2969	2972	2977	rVV	123639	179701	8.62%	0.597%
74	20.533	2978	2983	2987	rVV	683863	855588	41.06%	2.844%
75	20.604	2990	2995	2999	rVB	867521	1024900	49.18%	3.407%
76	20.674	3004	3007	3009	rBV3	60261	80872	3.88%	0.269%
77	20.880	3039	3042	3048	rVB	91332	145465	6.98%	0.484%
78	21.045	3066	3070	3072	rBV	108989	141507	6.79%	0.470%
79	21.074	3072	3075	3080	rVV2	178014	250703	12.03%	0.833%
80	21.121	3080	3083	3087	rVB2	121610	159424	7.65%	0.530%
81	21.280	3106	3110	3115	rVB	292704	345110	16.56%	1.147%
82	21.392	3123	3129	3134	rBV2	972865	2083774	100.00%	6.927%
83	21.439	3134	3137	3141	rVB	713857	873804	41.93%	2.905%
84	21.510	3146	3149	3153	rVB2	107951	125705	6.03%	0.418%
85	21.557	3153	3157	3163	rBV	153592	221095	10.61%	0.735%
86	21.951	3221	3224	3229	rVB2	209983	294678	14.14%	0.980%
87	22.421	3301	3304	3308	rVB	124831	154166	7.40%	0.512%
88	22.939	3388	3392	3397	rVB2	194262	263884	12.66%	0.877%
89	23.021	3401	3406	3411	rBV	519618	1143154	54.86%	3.800%
90	23.192	3433	3435	3440	rVB	101104	143486	6.89%	0.477%
91	23.521	3485	3491	3496	rBV	439156	892152	42.81%	2.966%
92	23.574	3496	3500	3504	rVV	383675	720441	34.57%	2.395%
93	23.621	3504	3508	3516	rVB	488575	905168	43.44%	3.009%
94	23.721	3520	3525	3529	rBV	318405	563735	27.05%	1.874%
95	24.398	3637	3640	3651	rBV5	48791	158106	7.59%	0.526%
96	24.951	3730	3734	3740	rVB	61678	120570	5.79%	0.401%
97	25.839	3880	3885	3894	rVB4	61259	169049	8.11%	0.562%
98	26.086	3919	3927	3936	rVB	250833	730913	35.08%	2.430%
99	26.351	3966	3972	3982	rBV3	62202	172456	8.28%	0.573%
100	26.815	4041	4051	4060	rBV	159580	551828	26.48%	1.834%

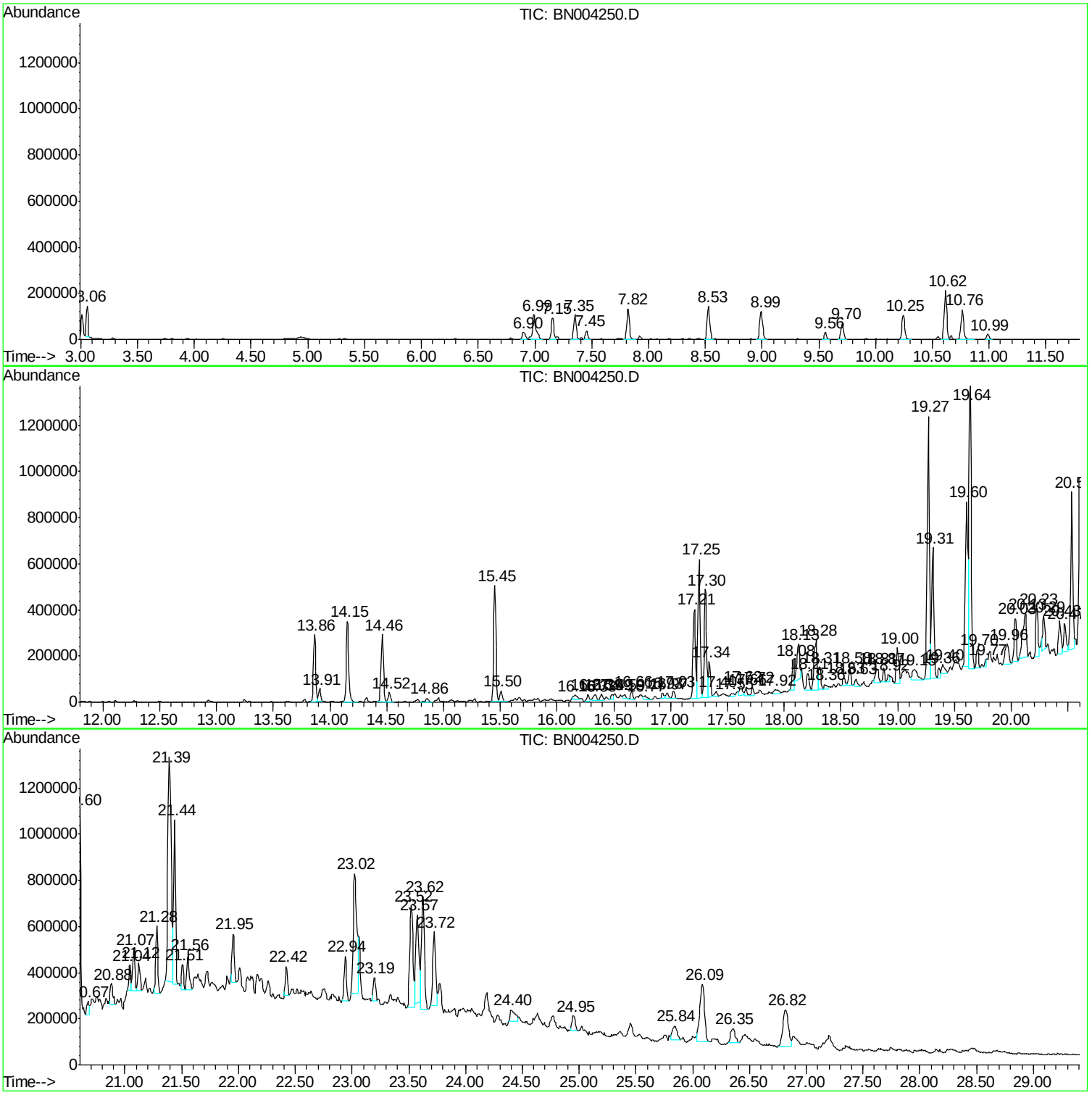
Sum of corrected areas: 30082337

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122718\
Data File : BN004250.D
Acq On : 27 Dec 2018 21:09
Operator : JU/SJ
Sample : J6441-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BF023

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122718\
Data File : BN004250.D
Acq On : 27 Dec 2018 21:09
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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BF023

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

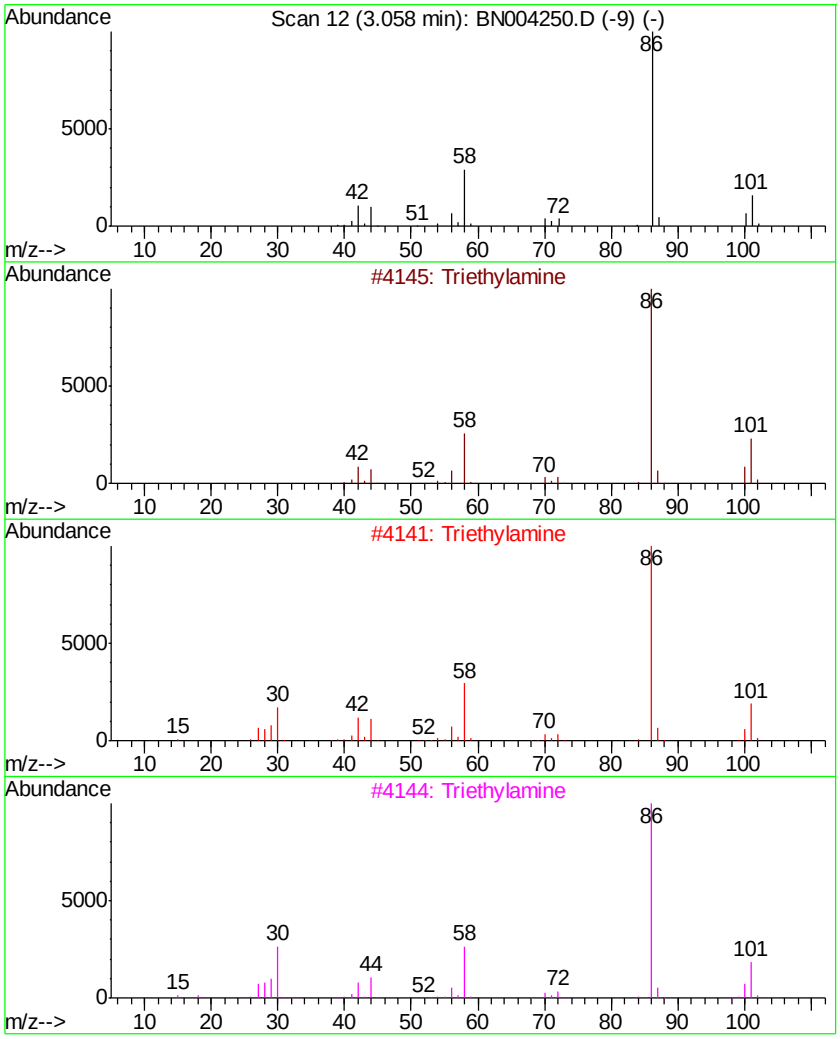
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

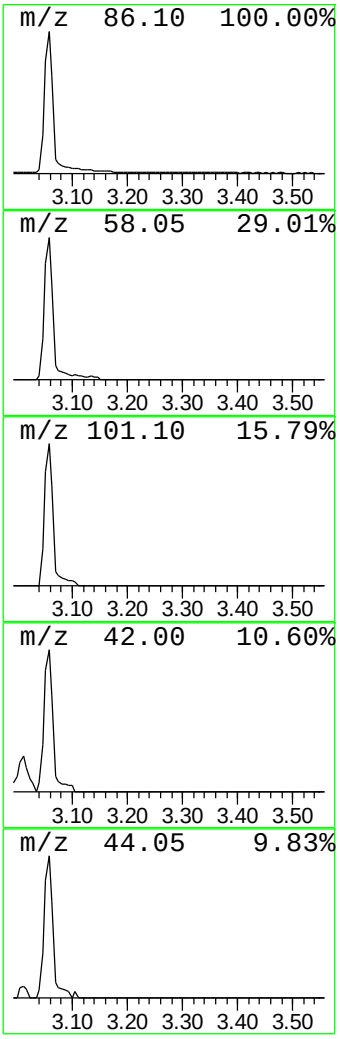
****

Peak Number 1 Triethylamine Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.06	12.31 ng/ul	130570	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triethylamine	101	C6H15N	000121-44-8	91
2	Triethylamine	101	C6H15N	000121-44-8	91
3	Triethylamine	101	C6H15N	000121-44-8	91
4	Triethylamine	101	C6H15N	000121-44-8	91
5	Triethylamine	101	C6H15N	000121-44-8	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122718\
Data File : BN004250.D
Acq On : 27 Dec 2018 21:09
Operator : JU/SJ
Sample : J6441-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BF023

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

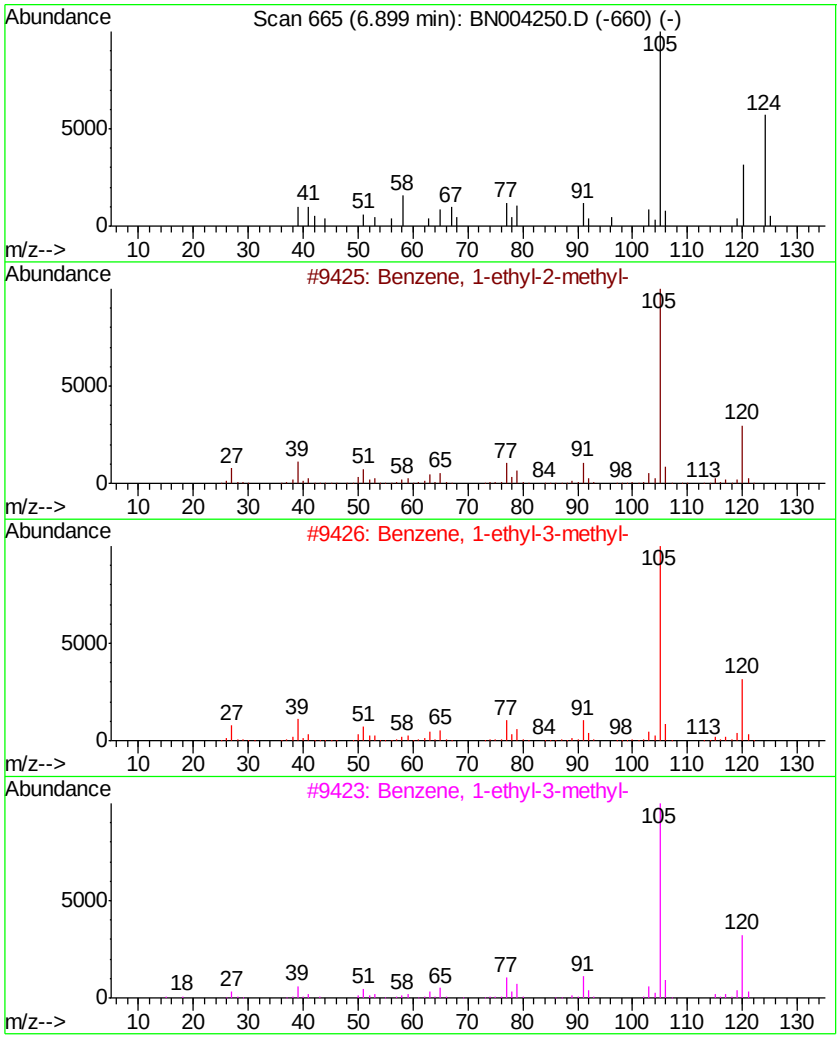
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

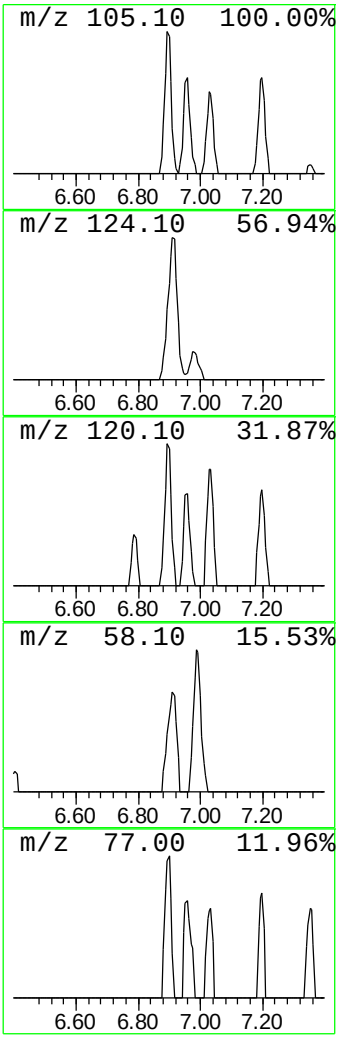
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	5.78 ng/ul	61282	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	55
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	55
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	55
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	49
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122718\
Data File : BN004250.D
Acq On : 27 Dec 2018 21:09
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Sample : J6441-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BF023

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

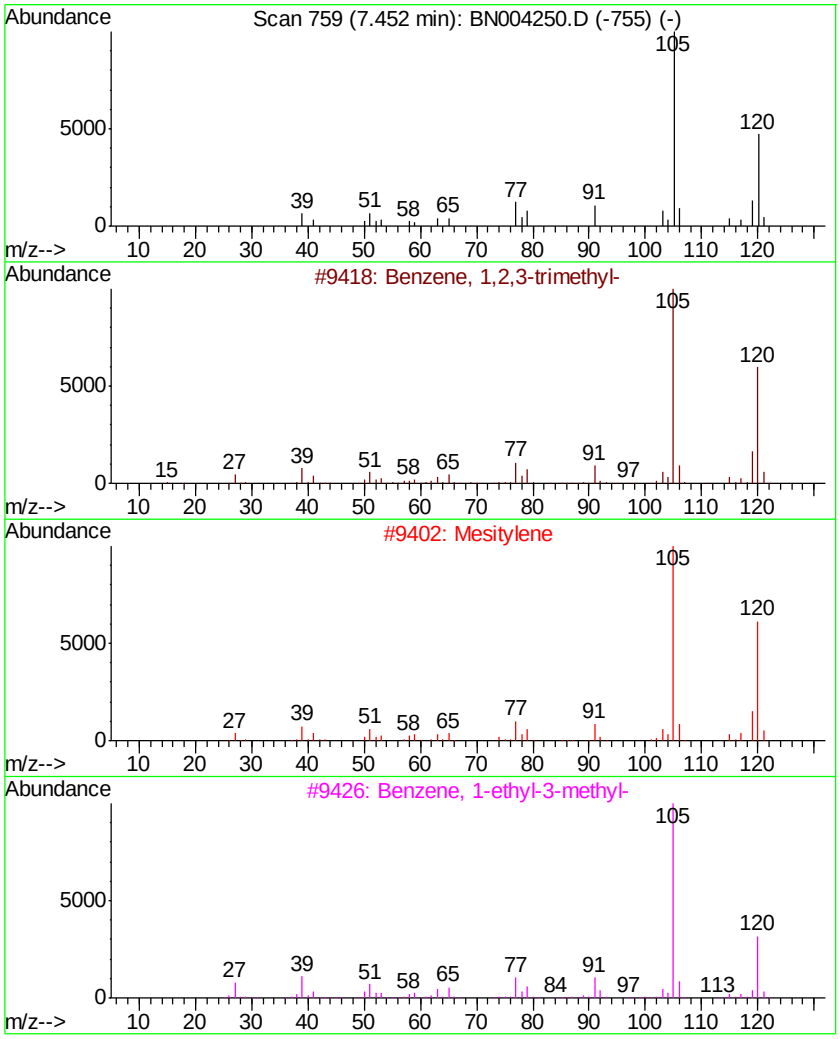
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

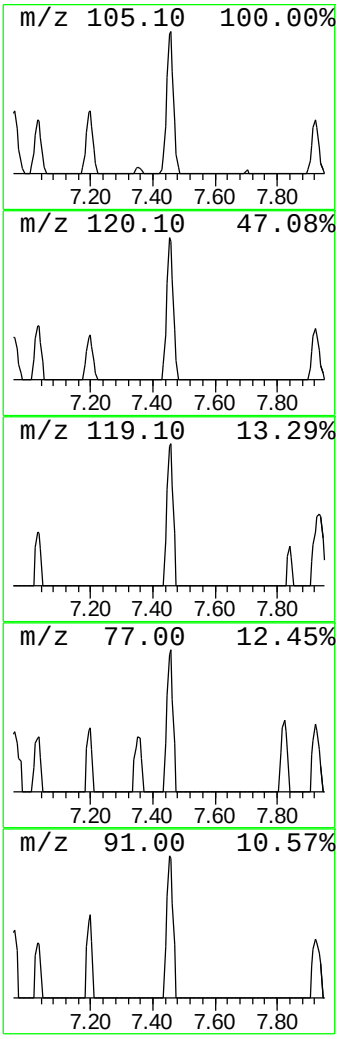
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	5.05 ng/ul	53571	1,4-Dichlorobenzene-d4	7.82

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





Library Search Compound Report

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Data File : BN004250.D
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Sample : J6441-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BF023

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

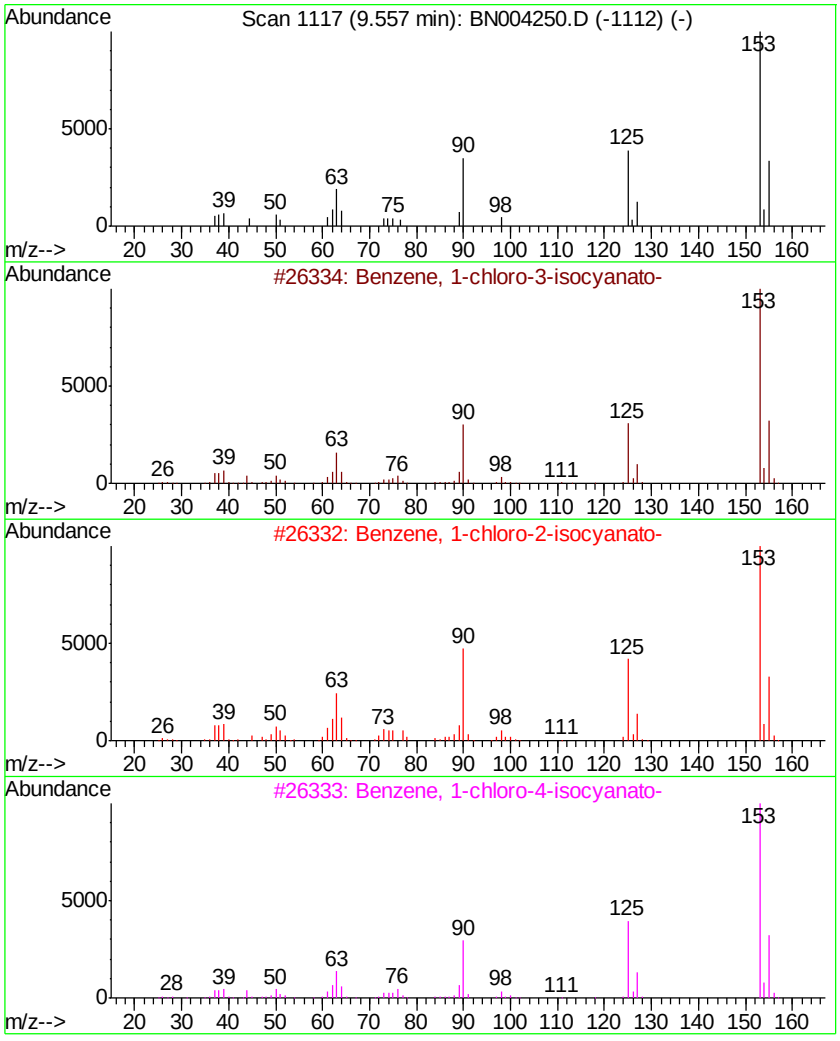
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

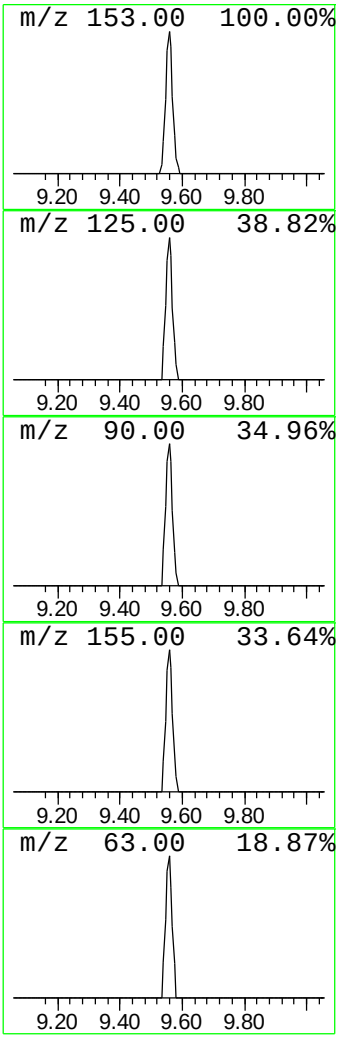
****

Peak Number 4 Benzene, 1-chloro-3-isocyan... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	2.63 ng/ul	45380	Naphthalene-d8	10.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-3-isocyanato-	153	C7H4ClNO	002909-38-8	95
2	Benzene, 1-chloro-2-isocyanato-	153	C7H4ClNO	003320-83-0	94
3	Benzene, 1-chloro-4-isocyanato-	153	C7H4ClNO	000104-12-1	94
4	Benzene, 1-chloro-3-isocyanato-	153	C7H4ClNO	002909-38-8	90
5	1H-Benzotriazole, 5-chloro-	153	C6H4ClN3	000094-97-3	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122718\
Data File : BN004250.D
Acq On : 27 Dec 2018 21:09
Operator : JU/SJ
Sample : J6441-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BF023

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

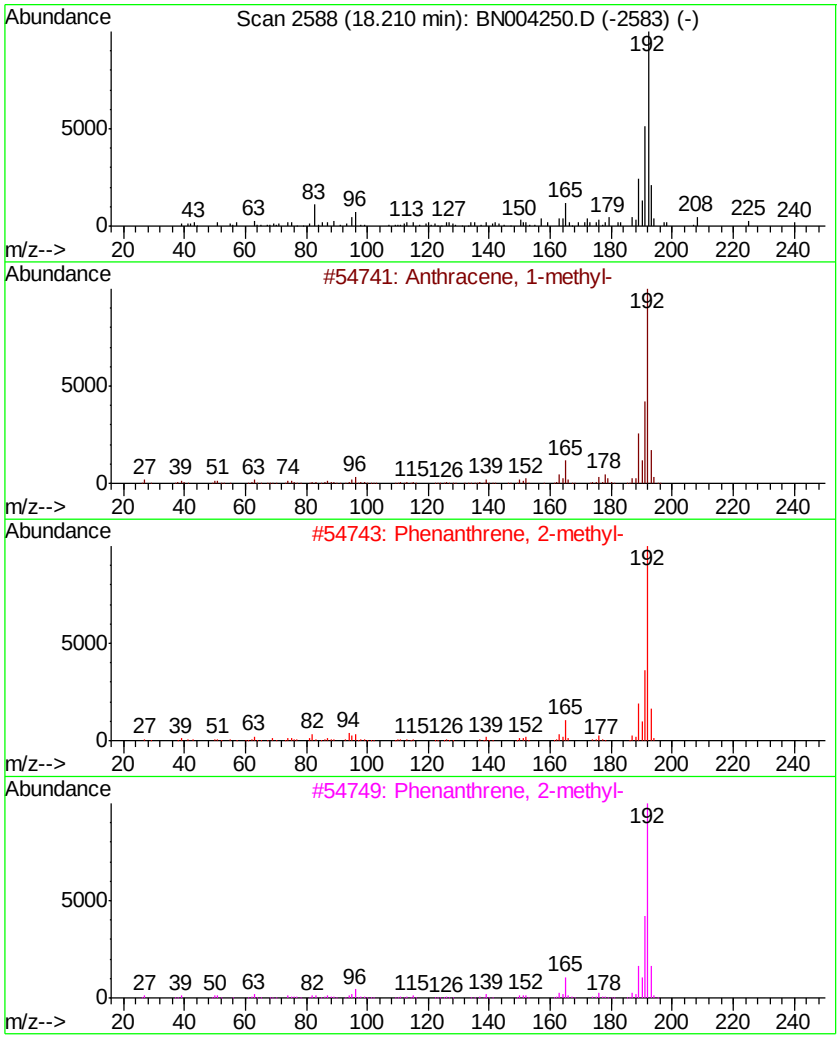
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

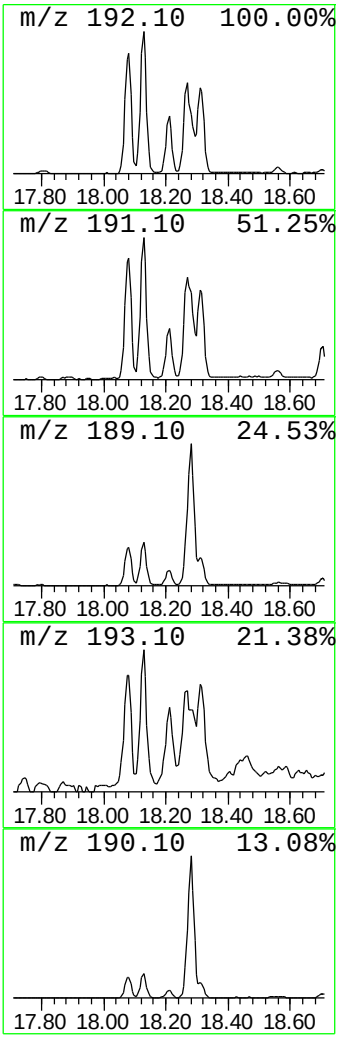
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	3.83 ng/ul	111307	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Operator : JU/SJ
Sample : J6441-10
Misc :
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Instrument : BNA_N
ClientSampleId : BF023

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Quant Title : SVOA CALIBRATION

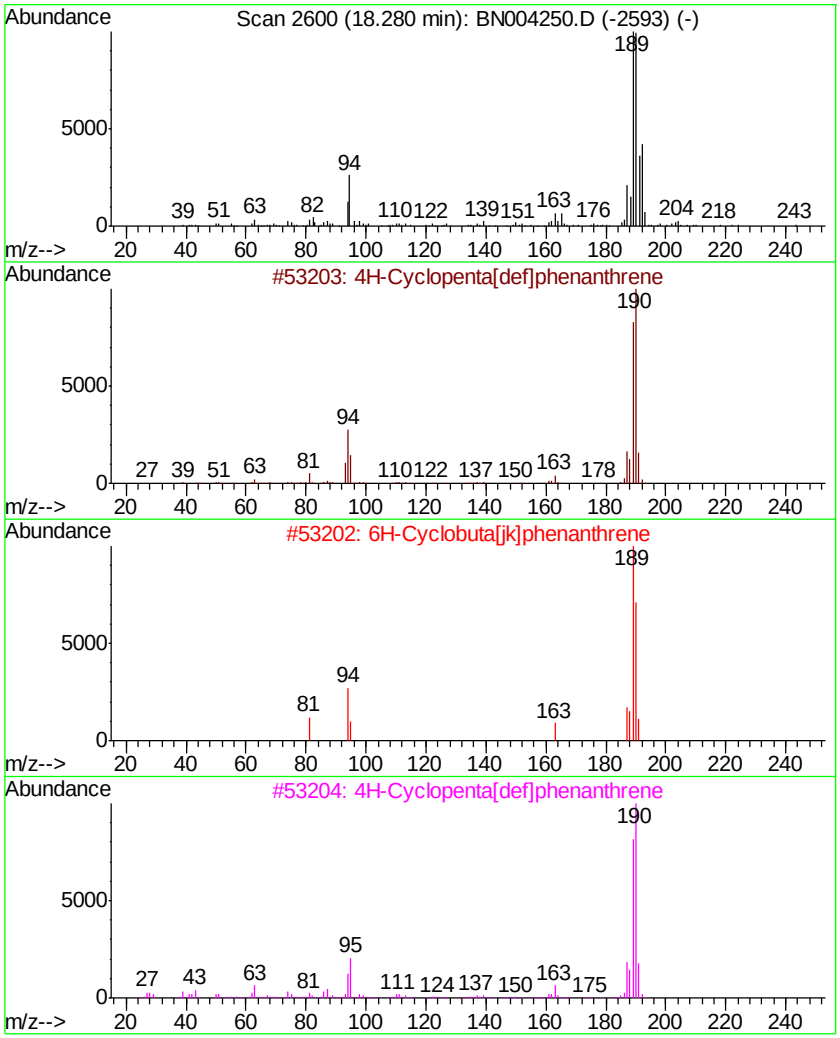
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

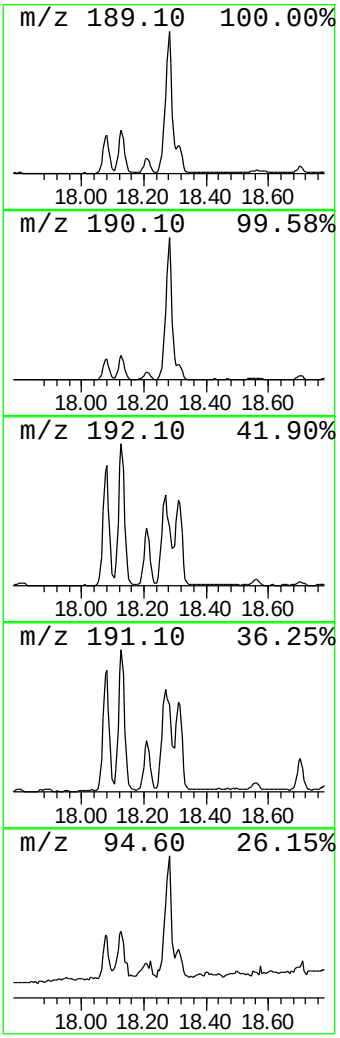
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	13.94 ng/ul	404647	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43





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Quant Title : SVOA CALIBRATION

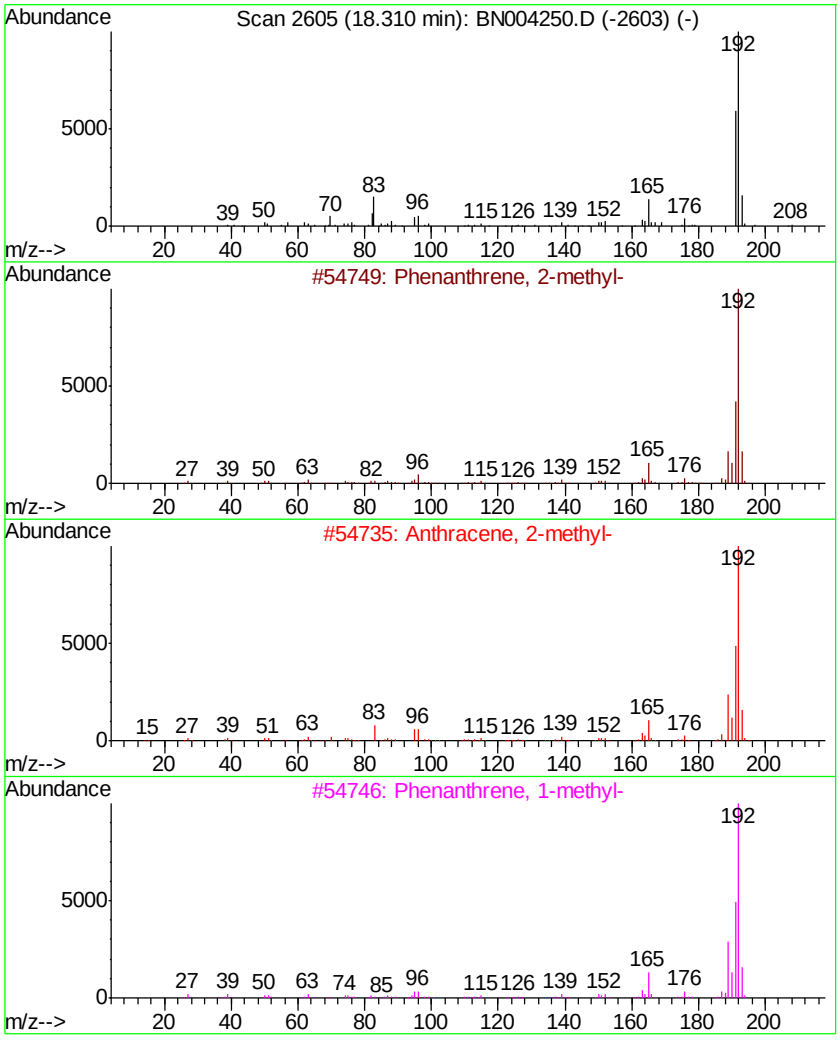
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

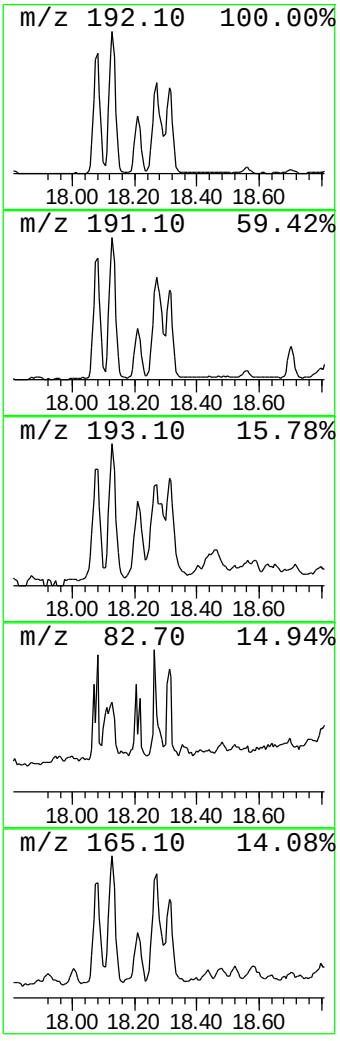
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	4.44 ng/ul	128905	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Quant Title : SVOA CALIBRATION

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

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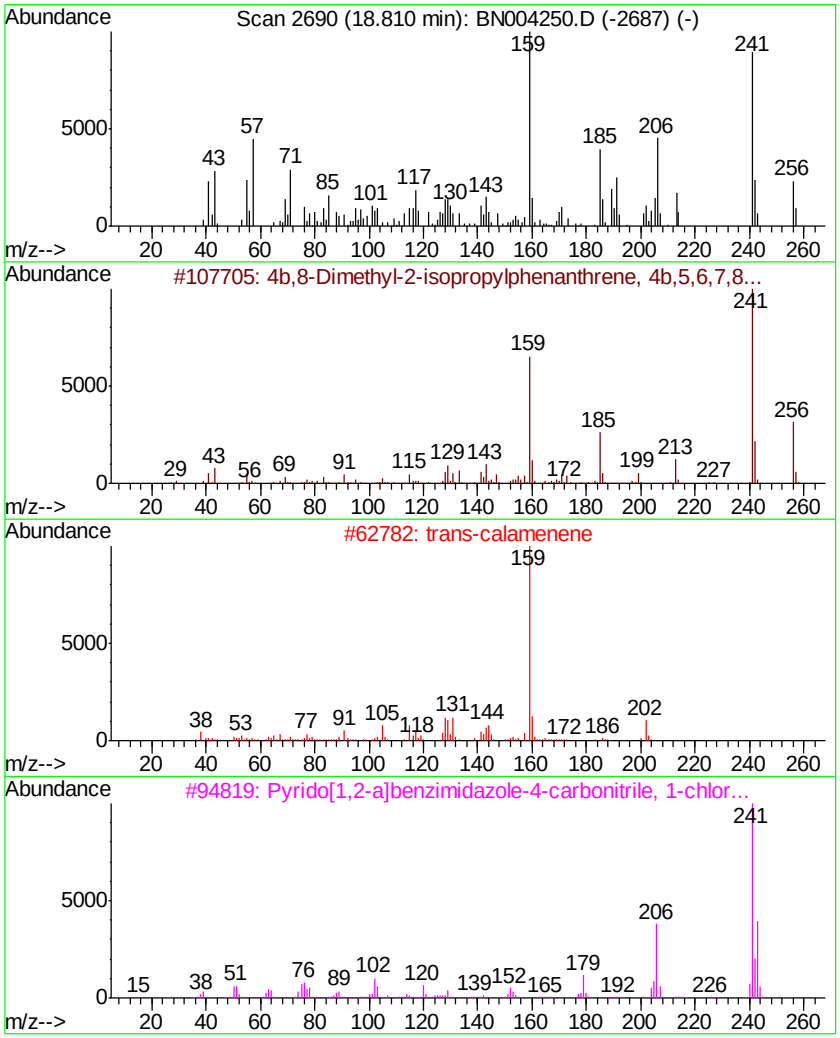
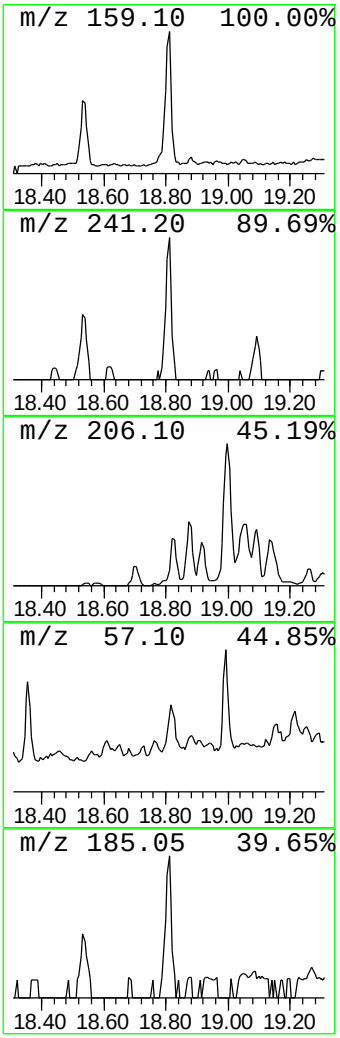
Peak Number 10 4b,8-Dimethyl-2-isopropylph... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	4.02 ng/ul	116629	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	90
2	trans-calamenene	202	C15H22	1000374-17-3	44
3	Pyrido[1,2-a]benzimidazole-4-car...	241	C13H8ClN3	121105-78-0	42
4	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	38
5	1,1,3,3-Tetramethyl-1,3-disilaph...	256	C15H20Si2	032538-51-5	25





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ClientSampleId : BF023

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Quant Title : SVOA CALIBRATION

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

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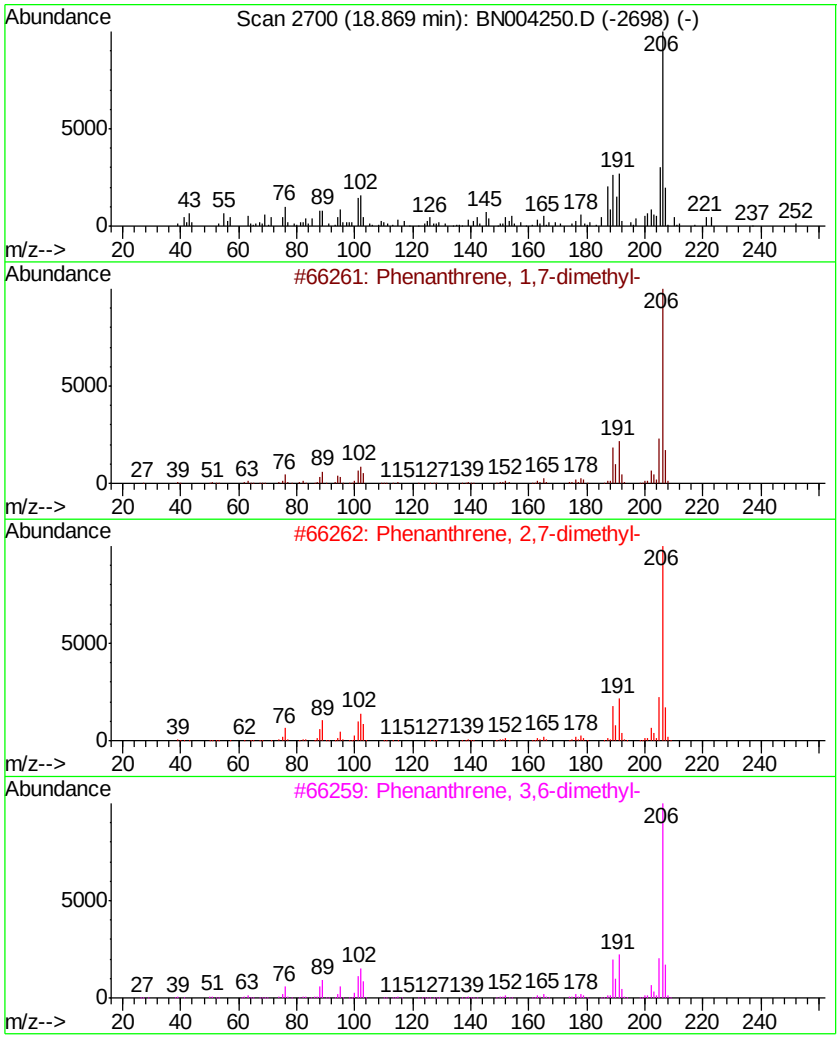
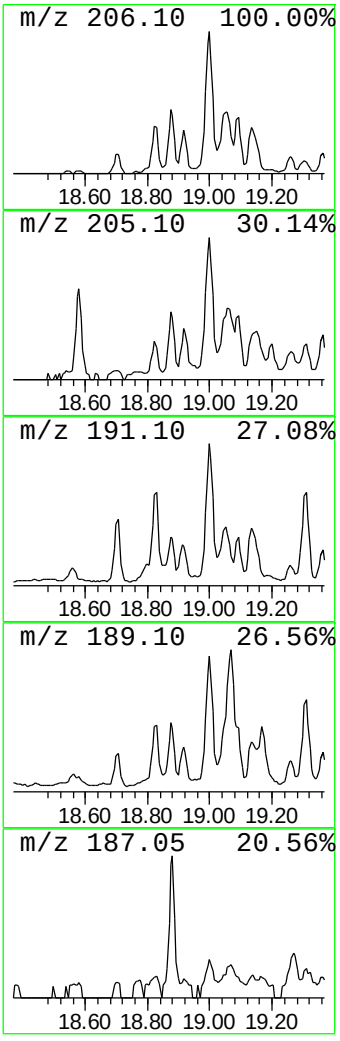
Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.34 ng/ul	67806	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81





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ALS Vial : 16 Sample Multiplier: 1

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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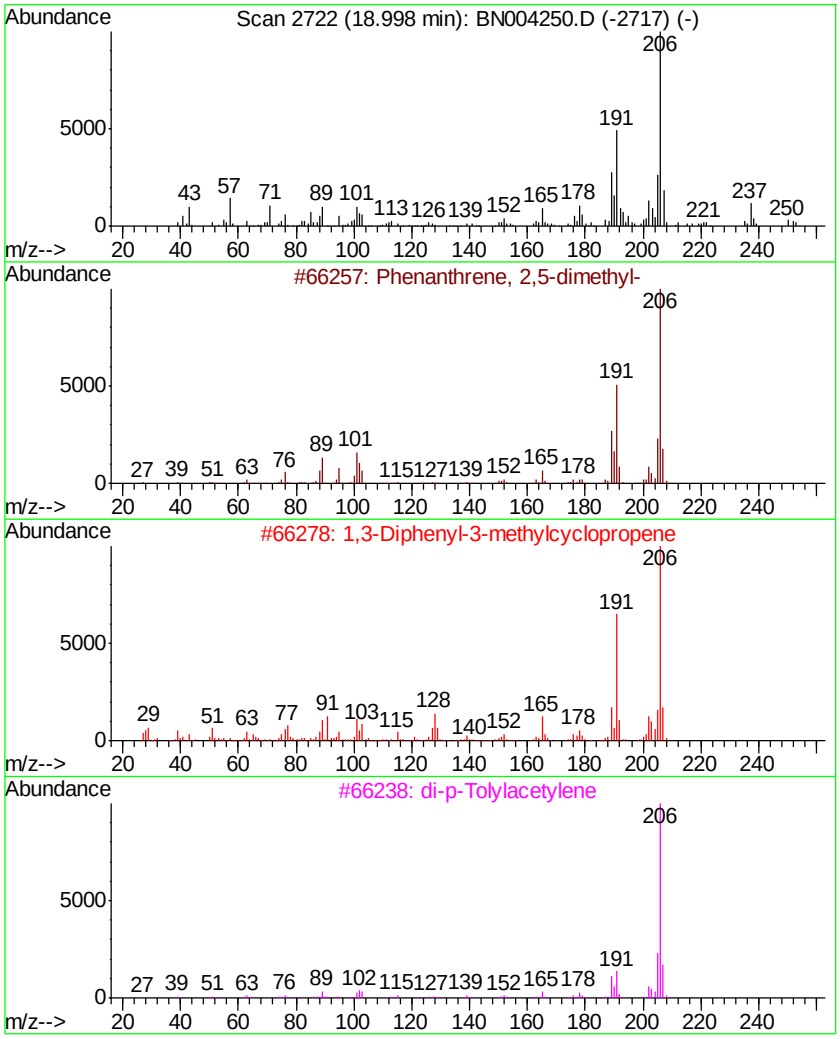
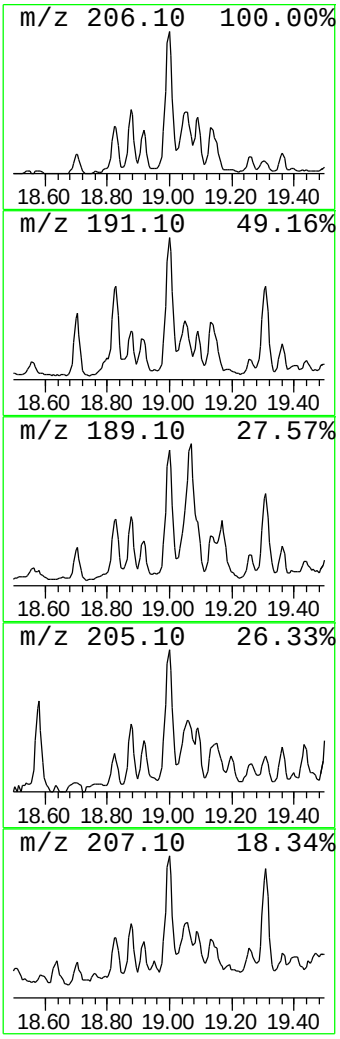
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	8.42 ng/ul	244499	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Quant Title : SVOA CALIBRATION

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

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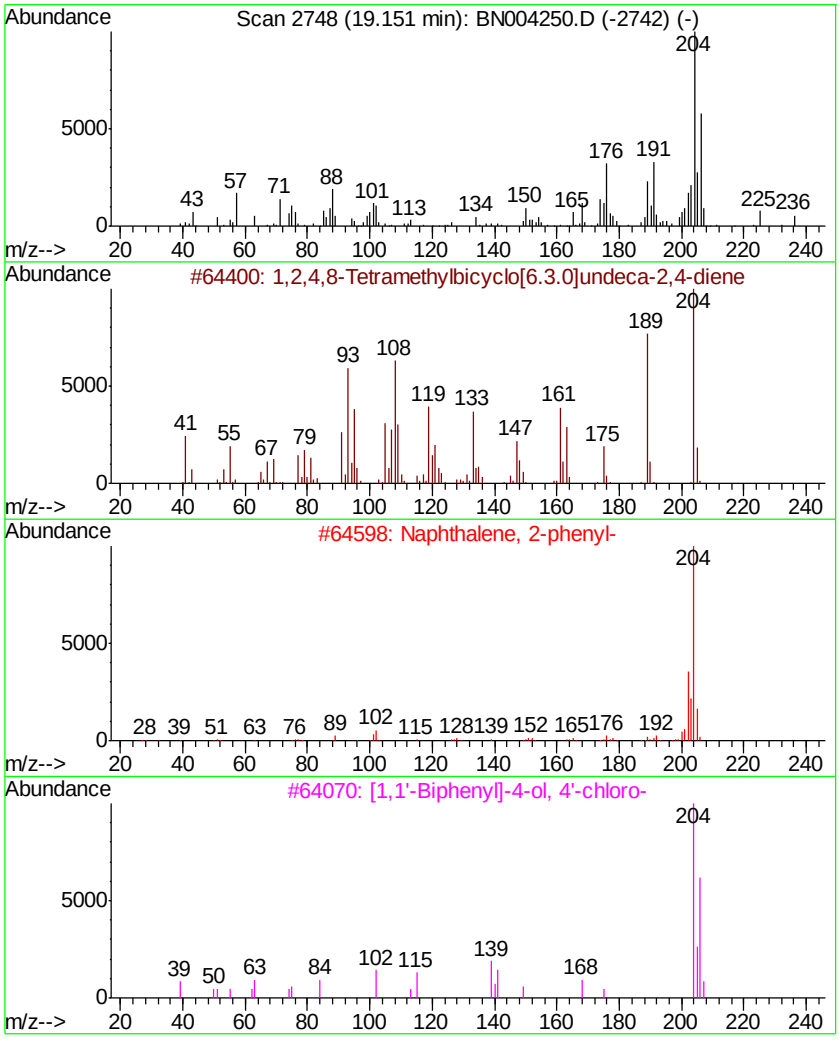
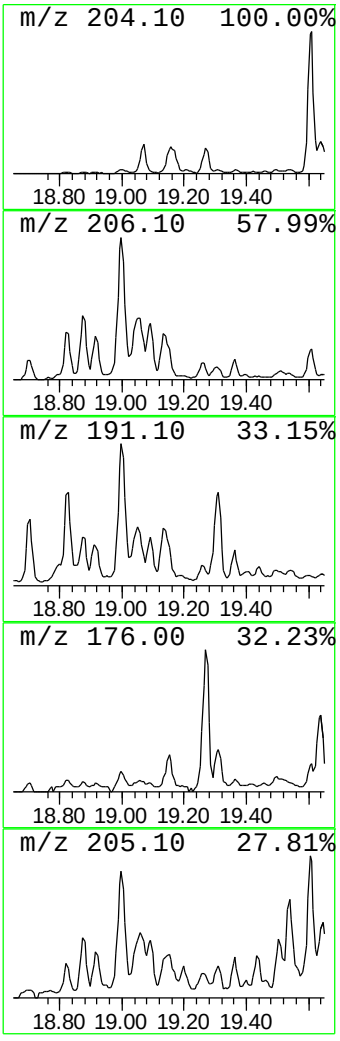
Peak Number 13 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	4.93 ng/ul	143130	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
4	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	46
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46





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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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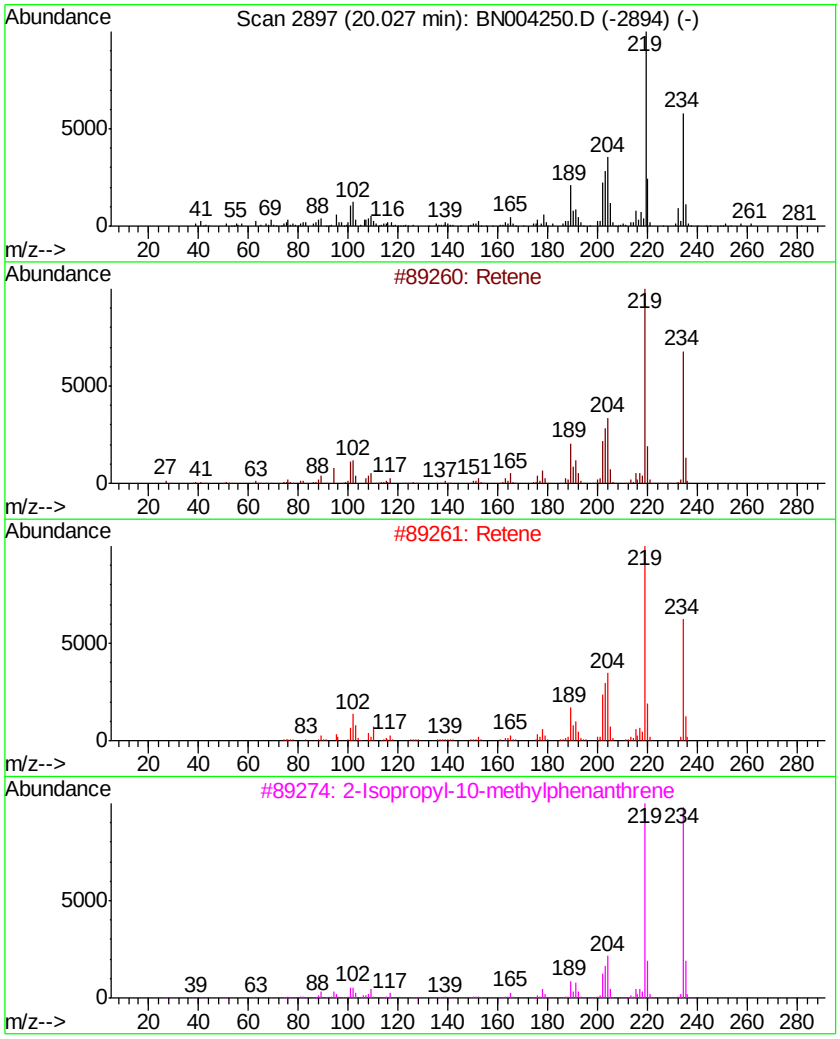
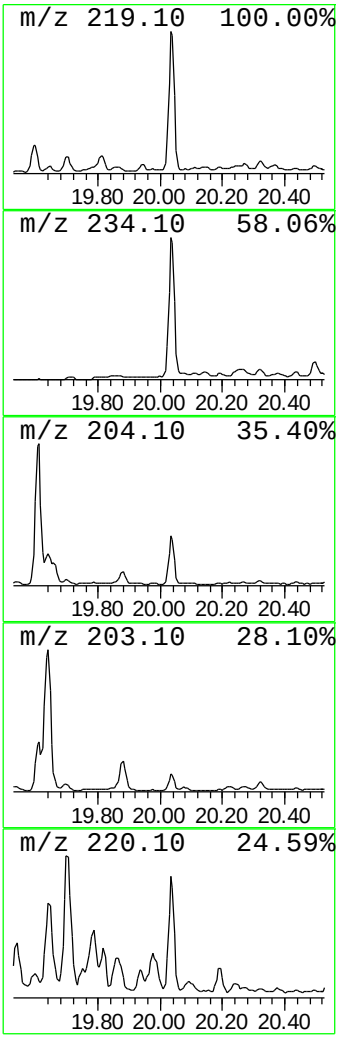
Peak Number 14 Retene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	2.50 ng/ul	260291	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	95
2	Retene	234	C18H18	000483-65-8	95
3	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	94
4	Retene	234	C18H18	000483-65-8	94
5	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	89





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Quant Title : SVOA CALIBRATION

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

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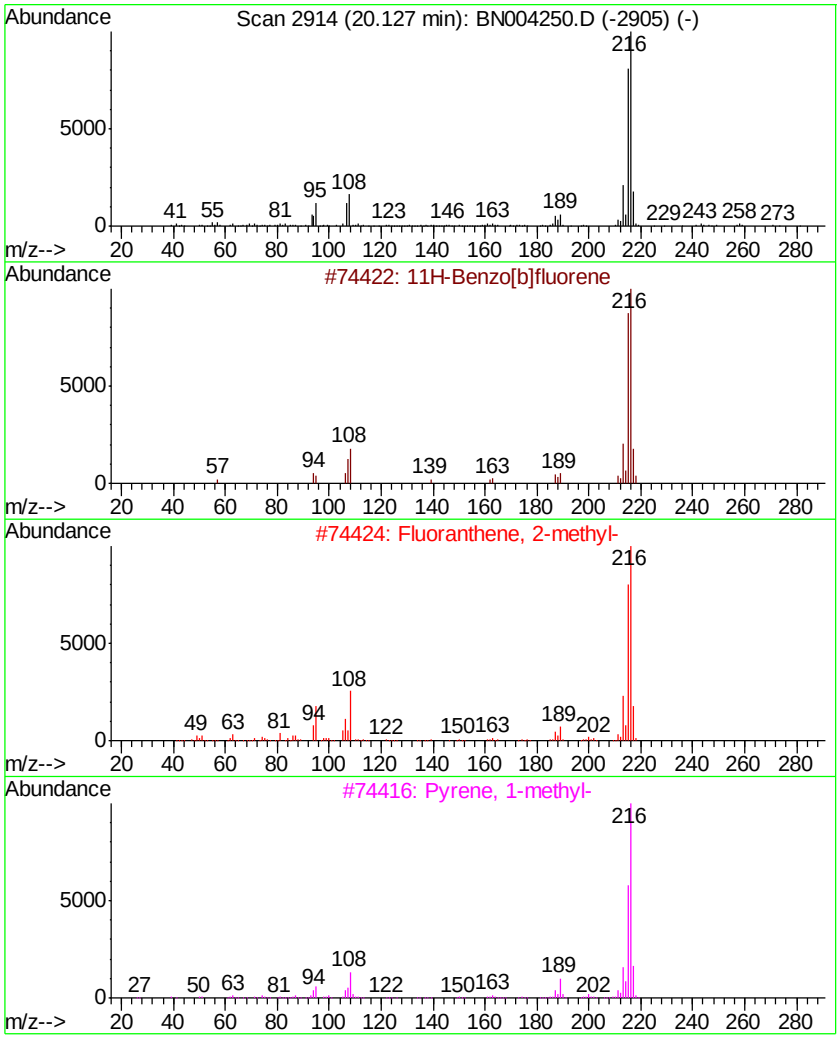
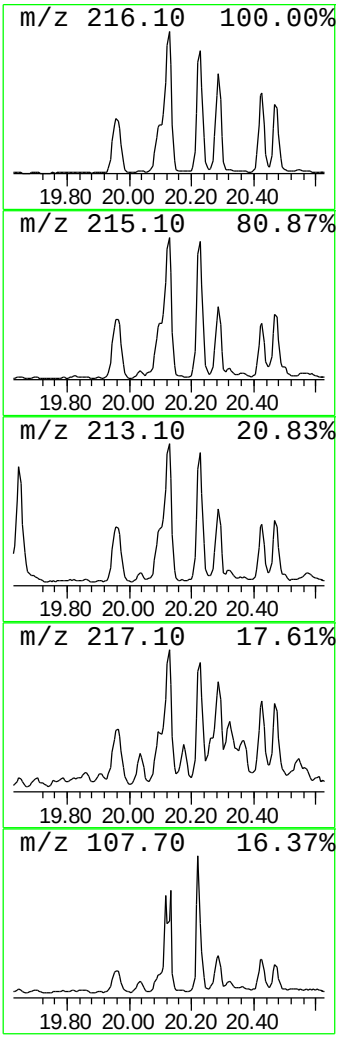
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	4.35 ng/ul	453115	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





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Quant Title : SVOA CALIBRATION

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

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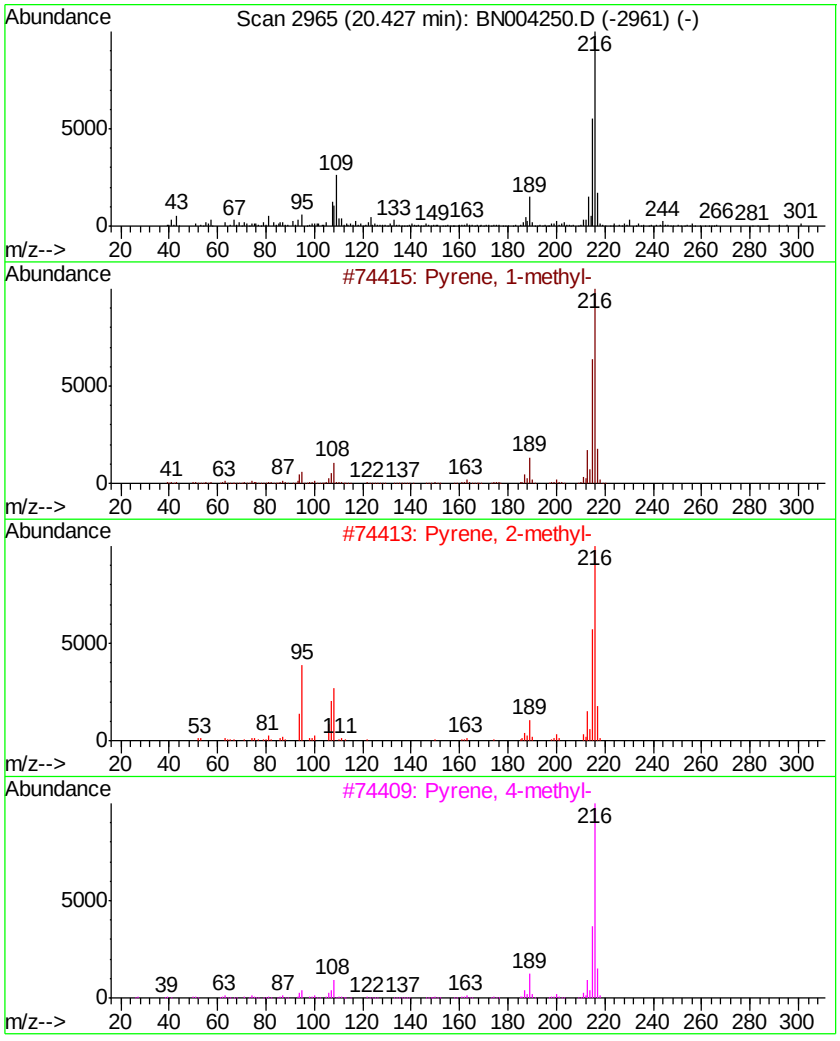
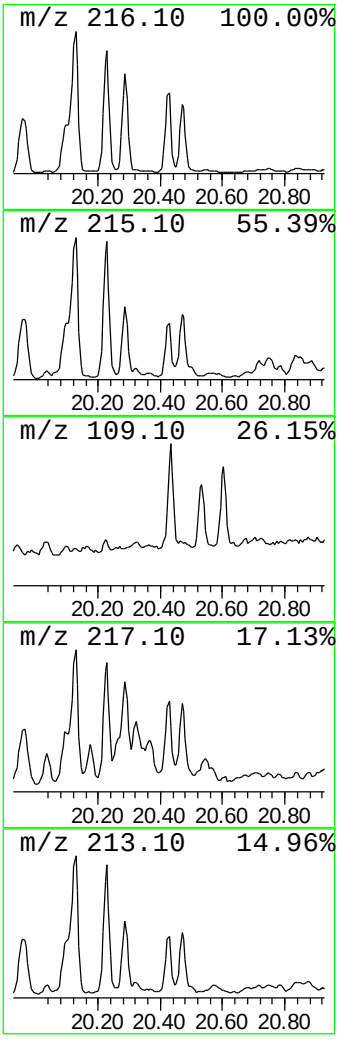
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	2.09 ng/ul	217922	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93





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Quant Title : SVOA CALIBRATION

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

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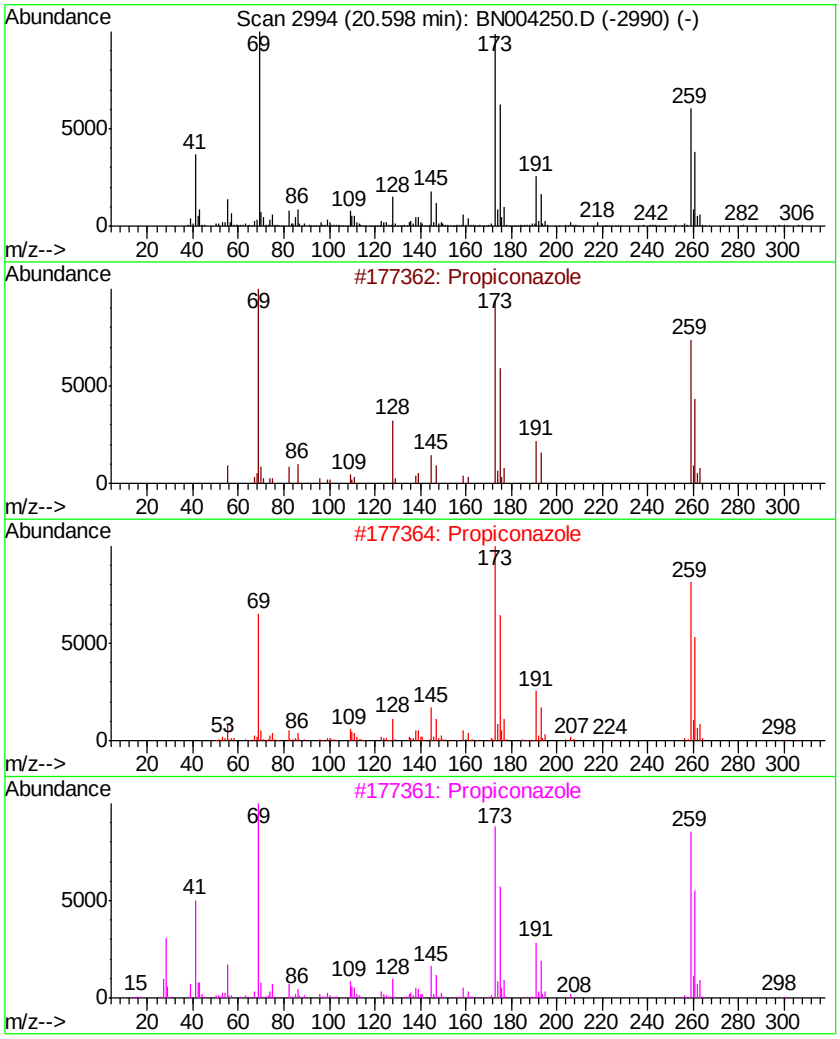
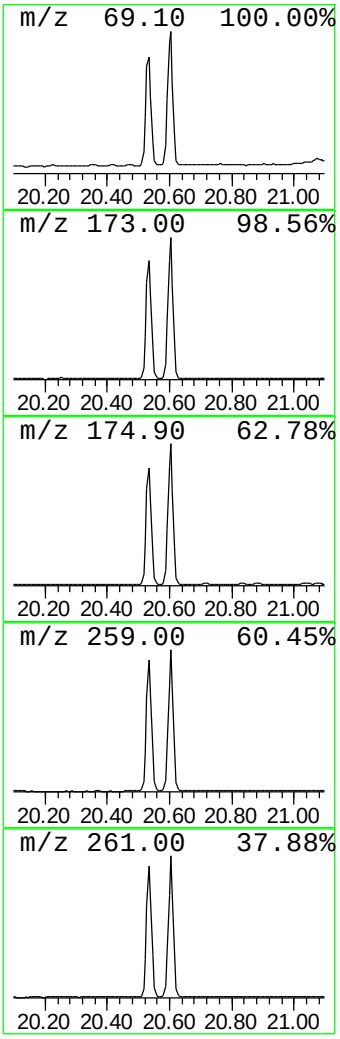
Peak Number 18 Propiconazole Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.60	9.84 ng/ul	1024900	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propiconazole	341	C15H17Cl2N3O2	060207-90-1	94
2	Propiconazole	341	C15H17Cl2N3O2	060207-90-1	93
3	Propiconazole	341	C15H17Cl2N3O2	060207-90-1	93
4	Benzenecarbothioic acid, 2,6-dic...	220	C8H6Cl2OS	068504-39-2	74
5	Propiconazole	341	C15H17Cl2N3O2	060207-90-1	60





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Quant Title : SVOA CALIBRATION

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

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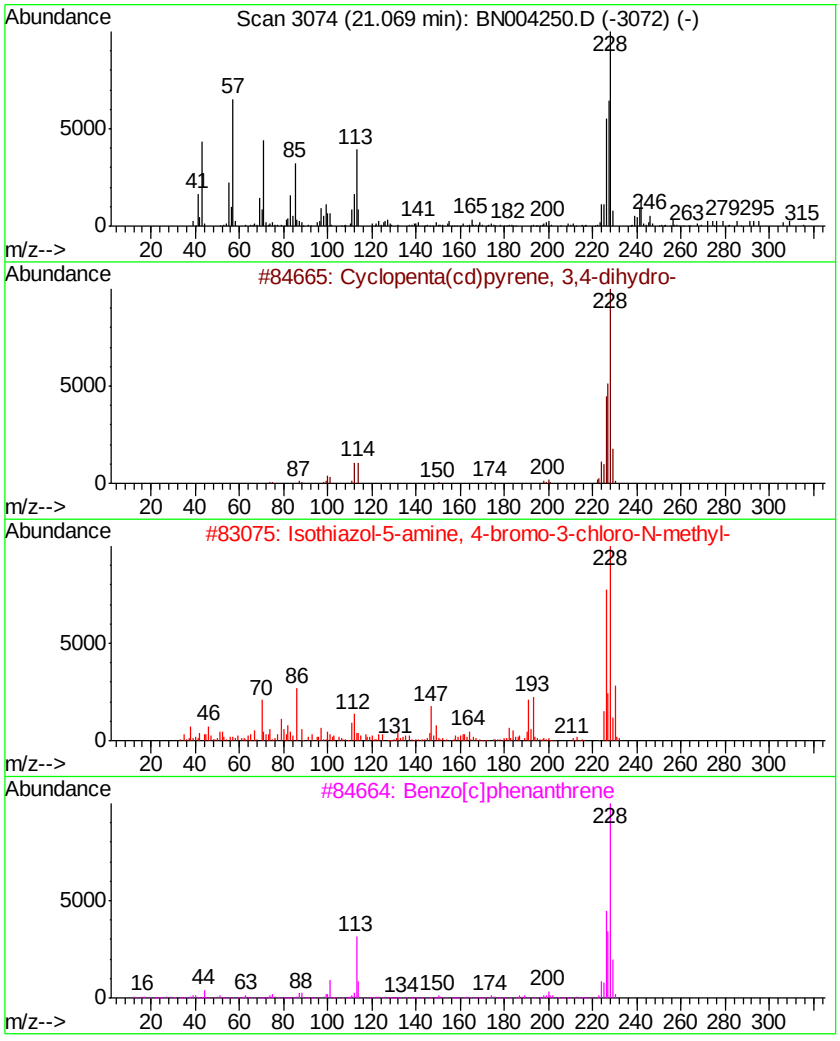
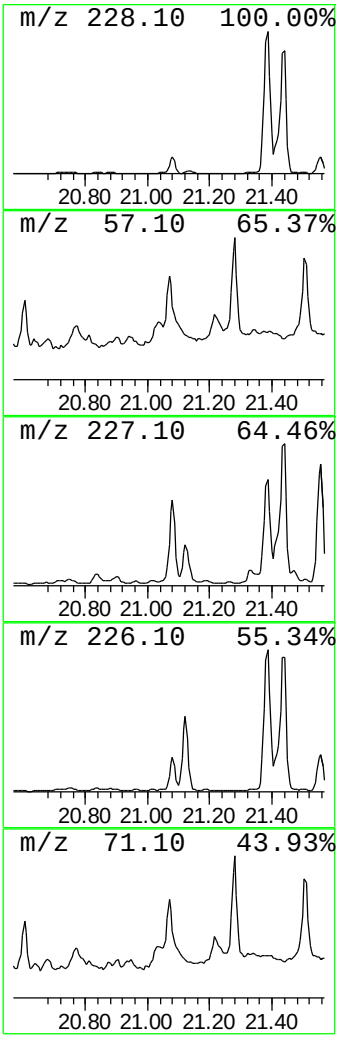
Peak Number 19 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	2.41 ng/ul	250703	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	53
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	52
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
4	Chrysene	228	C18H12	000218-01-9	43
5	Benz[a]anthracene	228	C18H12	000056-55-3	43





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Quant Title : SVOA CALIBRATION

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

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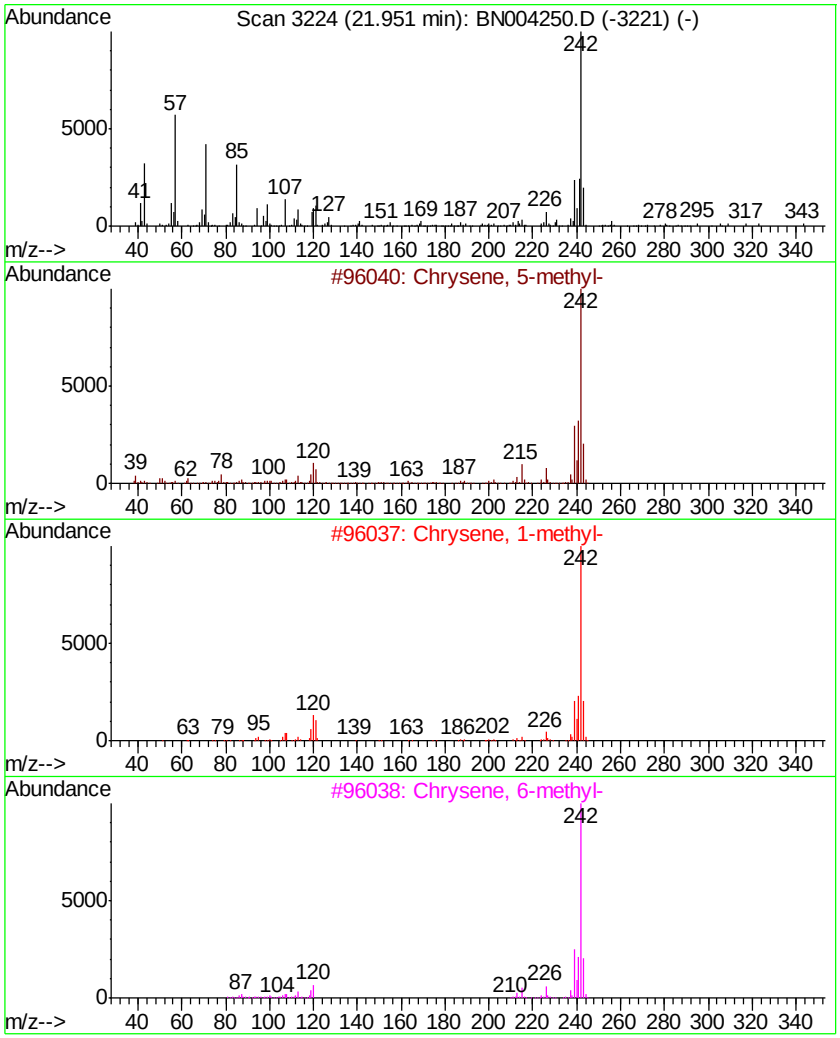
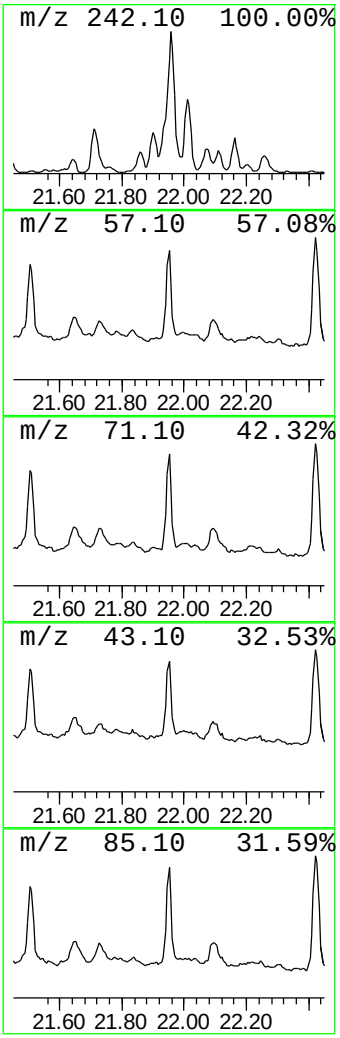
Peak Number 21 Chrysene, 5-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.95	2.83 ng/ul	294678	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	86
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	83
5	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122718\
Data File : BN004250.D
Acq On : 27 Dec 2018 21:09
Operator : JU/SJ
Sample : J6441-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BF023

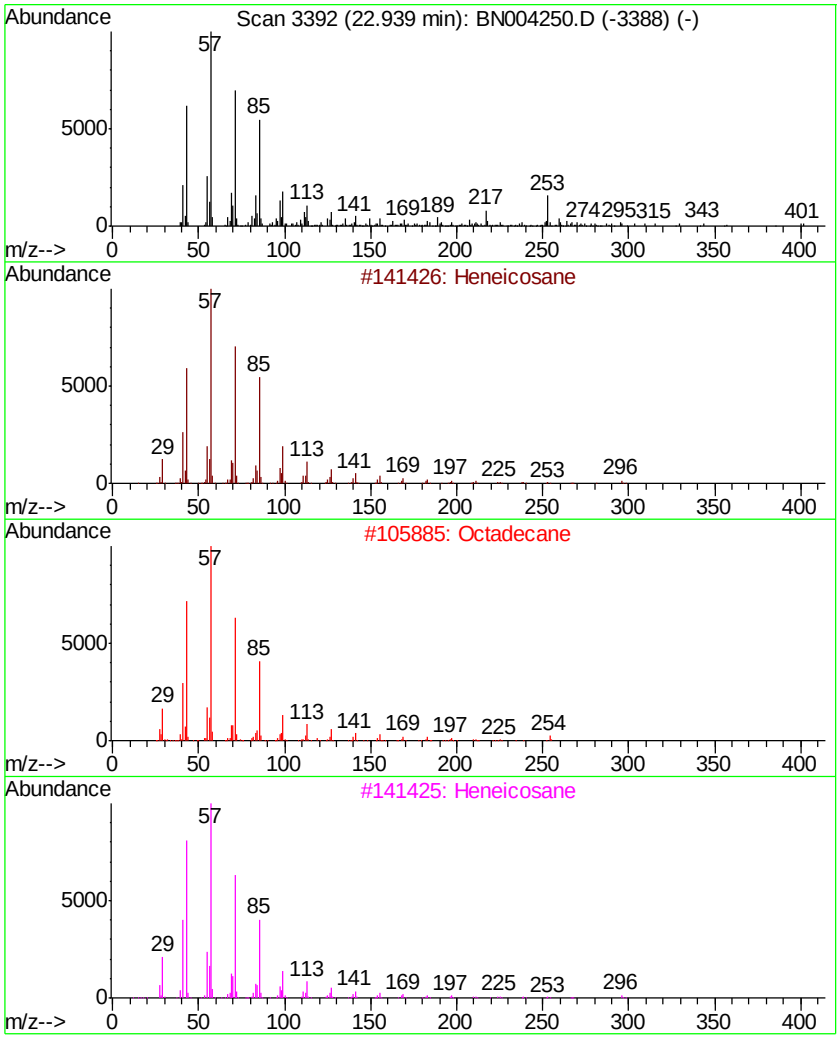
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

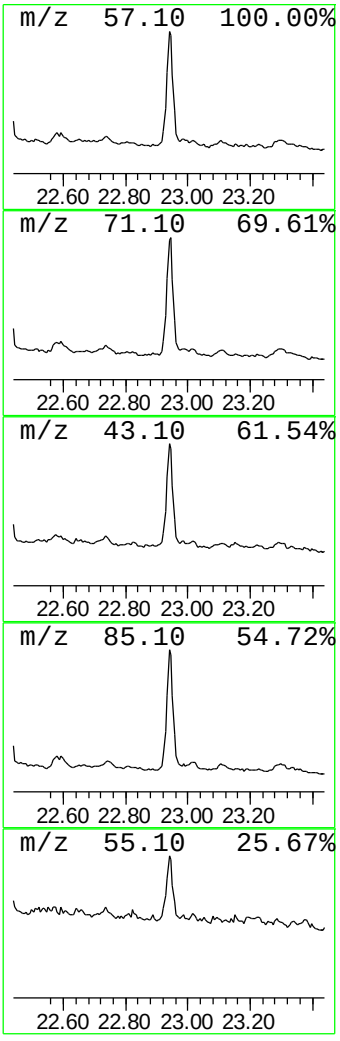
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.94	9.36 ng/ul	263884	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Octadecane	254	C18H38	000593-45-3	96
3	Heneicosane	296	C21H44	000629-94-7	95
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
5	Triacontane	422	C30H62	000638-68-6	87





Library Search Compound Report

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Data File : BN004250.D
Acq On : 27 Dec 2018 21:09
Operator : JU/SJ
Sample : J6441-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BF023

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

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

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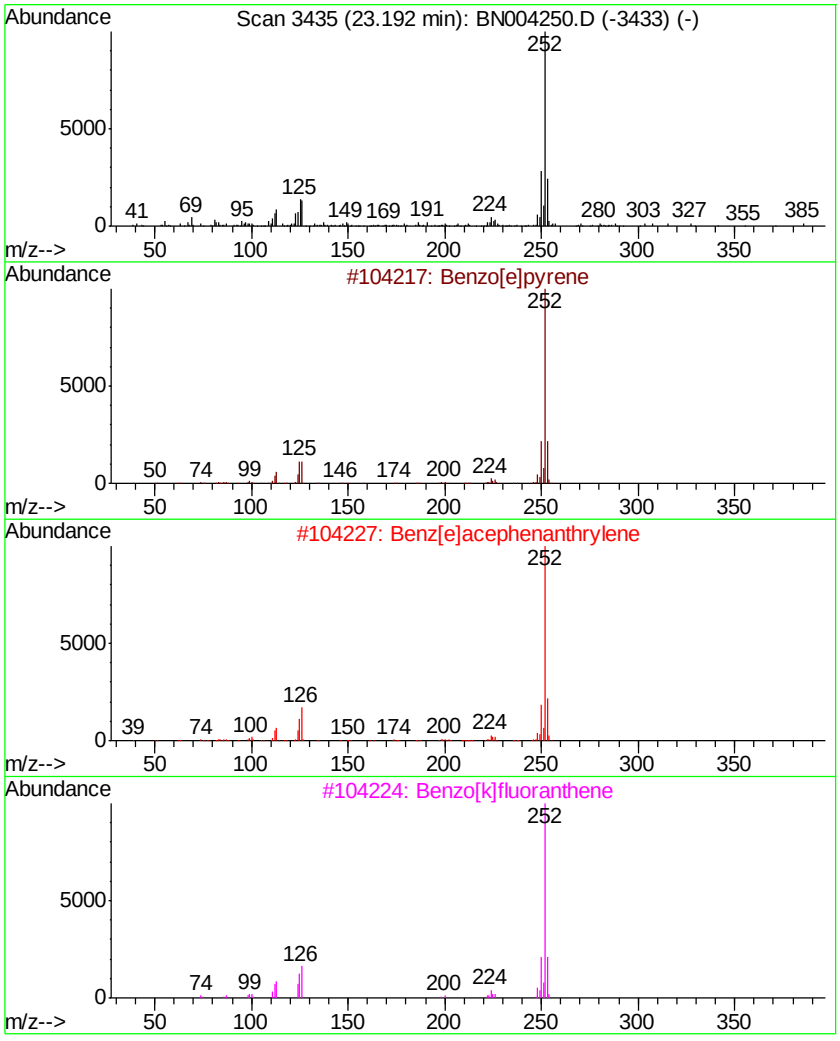
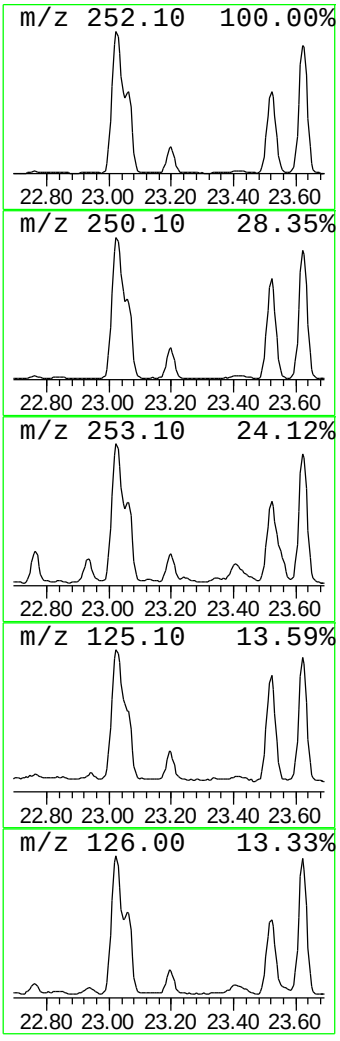
Peak Number 23 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.19	5.09 ng/ul	143486	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Perylene	252	C20H12	000198-55-0	96





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Acq On : 27 Dec 2018 21:09
Operator : JU/SJ
Sample : J6441-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BF023

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

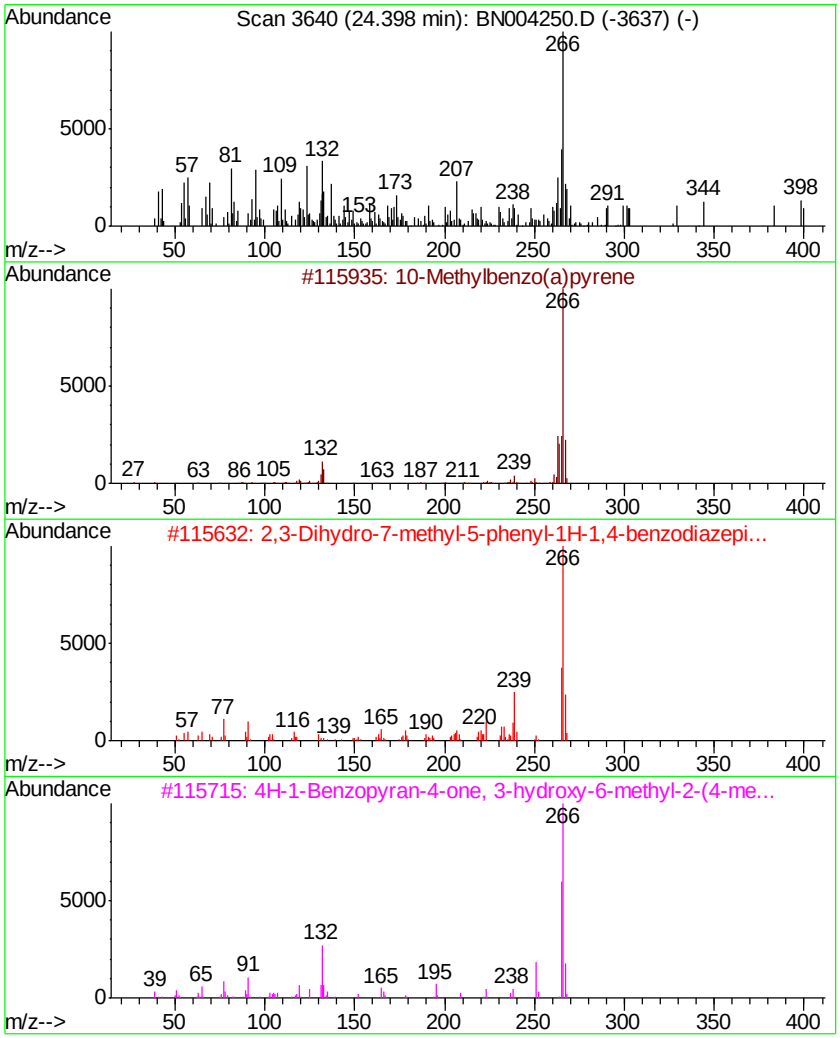
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

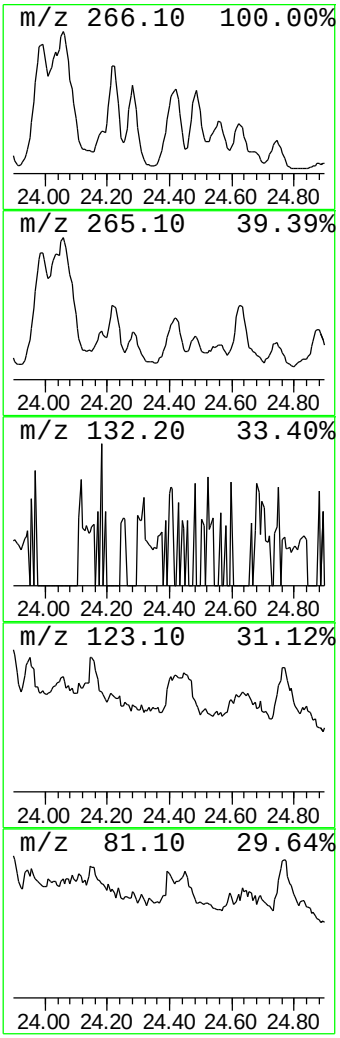
****

Peak Number 25 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.40	5.61 ng/ul	158106	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	46
2	2,3-Dihydro-7-methyl-5-phenyl-1H...	266	C16H14N2S	002888-60-0	45
3	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	45
4	4,5-Dihydro-3H-dinaphtho[2,1-c:1...	295	C22H17N	1000297-99-2	43
5	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	38





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Data File : BN004250.D
Acq On : 27 Dec 2018 21:09
Operator : JU/SJ
Sample : J6441-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BF023

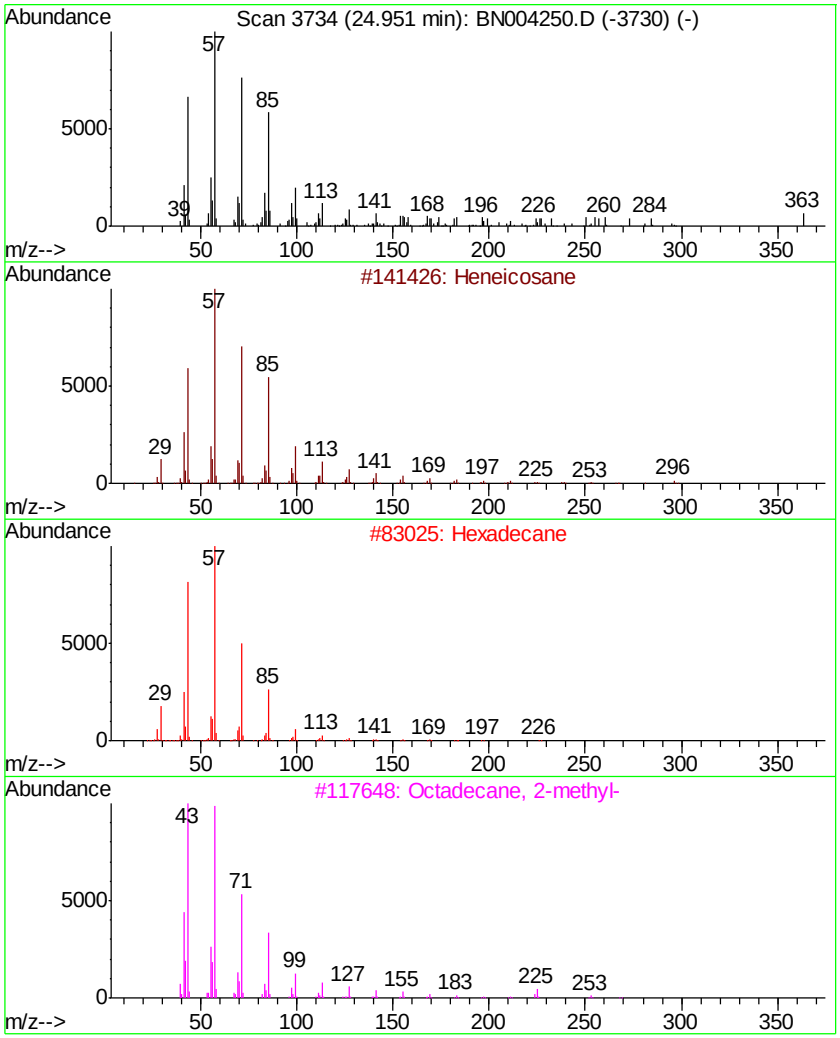
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

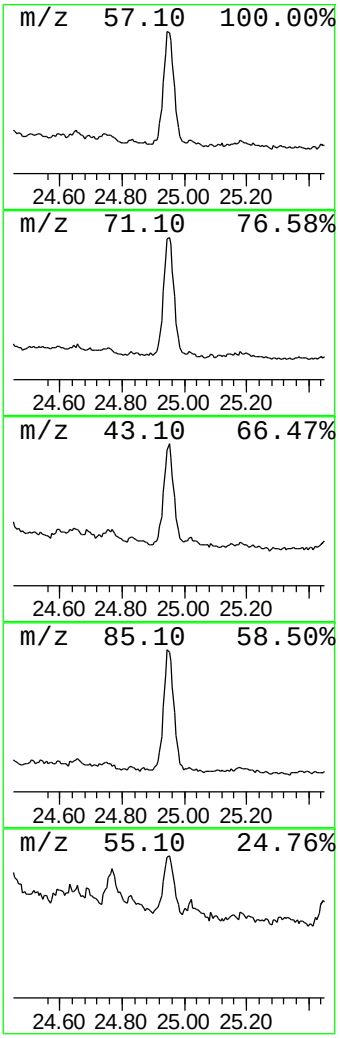
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.95	4.28 ng/ul	120570	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Hexadecane	226	C16H34	000544-76-3	90
3	Octadecane, 2-methyl-	268	C19H40	001560-88-9	90
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	89
5	Docosane, 11-decyl-	451	C32H66	055401-55-3	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122718\
Data File : BN004250.D
Acq On : 27 Dec 2018 21:09
Operator : JU/SJ
Sample : J6441-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BF023

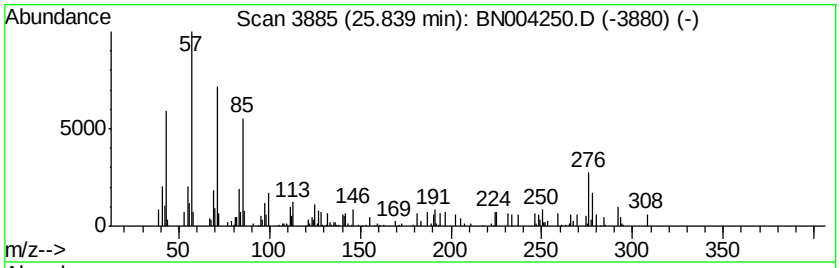
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

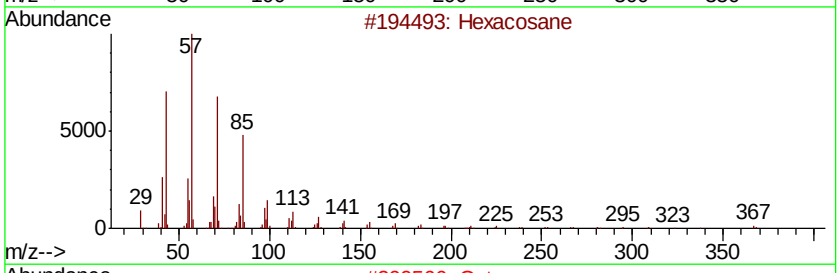
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

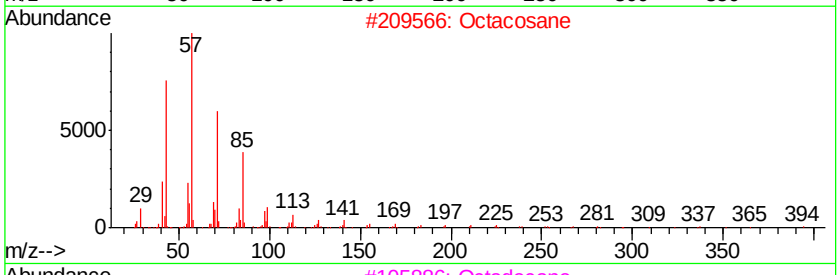
****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 9

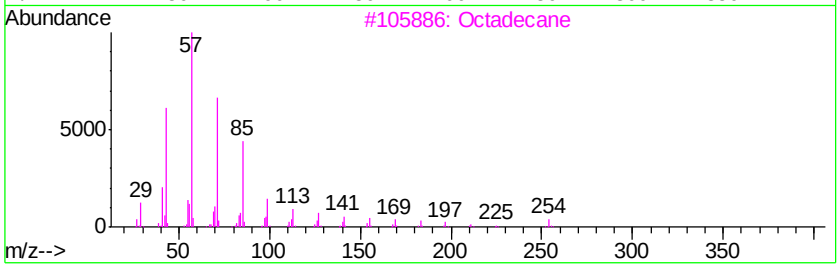
R.T.	EstConc	Area	Relative to ISTD	R.T.
25.84	6.00 ng/ul	169049	Perylene-d12	23.72

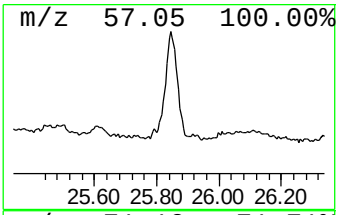
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	55
2	Octacosane	394	C28H58	000630-02-4	49
3	Octadecane	254	C18H38	000593-45-3	49
4	Hexadecane	226	C16H34	000544-76-3	49
5	Octadecane	254	C18H38	000593-45-3	46

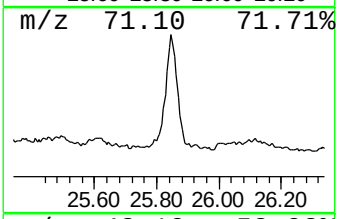


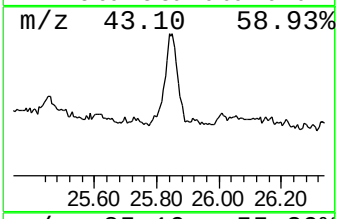


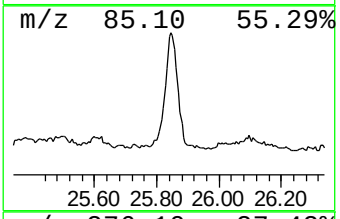


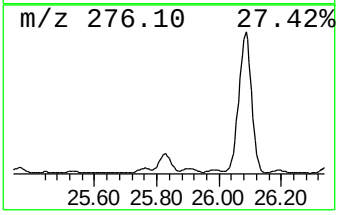












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122718\
Data File : BN004250.D
Acq On : 27 Dec 2018 21:09
Operator : JU/SJ
Sample : J6441-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BF023

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Triethylamine	3.06	12.3	ng/ul	130570	1	7.82	212206	20.0
Benzene, 1-ethyl-...	6.90	5.8	ng/ul	61282	1	7.82	212206	20.0
Benzene, 1,2,3-tr...	7.45	5.0	ng/ul	53571	1	7.82	212206	20.0
Benzene, 1-chloro...	9.56	2.6	ng/ul	45380	2	10.62	344950	20.0
Anthracene, 1-met...	18.21	3.8	ng/ul	111307	4	17.21	580638	20.0
4H-Cyclopenta[def...	18.28	13.9	ng/ul	404647	4	17.21	580638	20.0
Phenanthrene, 1-m...	18.31	4.4	ng/ul	128905	4	17.21	580638	20.0
4b,8-Dimethyl-2-i...	18.81	4.0	ng/ul	116629	4	17.21	580638	20.0
Phenanthrene, 1,7...	18.87	2.3	ng/ul	67806	4	17.21	580638	20.0
Phenanthrene, 2,5...	19.00	8.4	ng/ul	244499	4	17.21	580638	20.0
1,2,4,8-Tetrameth...	19.15	4.9	ng/ul	143130	4	17.21	580638	20.0
Retene	20.03	2.5	ng/ul	260291	5	21.40	2083770	20.0
11H-Benzo[b]fluorene	20.13	4.3	ng/ul	453115	5	21.40	2083770	20.0
Pyrene, 1-methyl-	20.43	2.1	ng/ul	217922	5	21.40	2083770	20.0
Propiconazole	20.60	9.8	ng/ul	1024900	5	21.40	2083770	20.0
Cyclopenta(cd)pyr...	21.07	2.4	ng/ul	250703	5	21.40	2083770	20.0
Chrysene, 5-methyl-	21.95	2.8	ng/ul	294678	5	21.40	2083770	20.0
(DEL) Alkane: Str...	22.94	9.4	ng/ul	263884	6	23.72	563735	20.0
Benzo[e]pyrene	23.19	5.1	ng/ul	143486	6	23.72	563735	20.0
unknown-01	24.40	5.6	ng/ul	158106	6	23.72	563735	20.0
(DEL) Alkane: Str...	24.95	4.3	ng/ul	120570	6	23.72	563735	20.0
(DEL) Alkane: Str...	25.84	6.0	ng/ul	169049	6	23.72	563735	20.0