LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
Data File : BN005339.D
Acq On : 27 Apr 2019 04:33
Operator : JU/SJ
Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

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-BN041919MA.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	7.593	776	783	790	rBV	1490287	2337215	3.21%	0.278%
2	8.122	866	873	888	rBV	1049008	1863057	2.56%	0.222%
3	10.351	1244	1252	1266	rBV2	2077983	4933191	6.79%	0.588%
4	13.945	1854	1863	1876	rVB	4238483	6633326	9.12%	0.790%
5	14.228	1903	1911	1917	rVV2	3050753	4783043	6.58%	0.570%
6	14.851	2009	2017	2023	rBV2	1022459	2165972	2.98%	0.258%
7	15.275	2084	2089	2102	rVB5	1186409	2454637	3.38%	0.292%
8	15.581	2135	2141	2151	rVB3	1350049	2499602	3.44%	0.298%
9	15.728	2158	2166	2174	rVB3	1294227	3170147	4.36%	0.378%
10	15.963	2201	2206	2211	rBV2	1084710	1685738	2.32%	0.201%
11	16.292	2253	2262	2267	rBV4	1492427	3596199	4.95%	0.428%
12	16.439	2282	2287	2293	rVB3	798375	1520940	2.09%	0.181%
13	16.522	2293	2301	2305	rBV2	2991266	5032353	6.92%	0.600%
14	16.563	2305	2308	2311	rVV2	1944516	2599869	3.58%	0.310%
15	16.639	2317	2321	2328	rVB4	2114959	3510708	4.83%	0.418%
16	16.722	2329	2335	2340	rBV	2931983	5100907	7.02%	0.608%
17	16.986	2374	2380	2383	rBV2	3704710	6131739	8.43%	0.731%
18	17.028	2383	2387	2393	rVV	14950542	21931210	30.17%	2.613%
19	17.116	2398	2402	2407	rVB	7213571	9944713	13.68%	1.185%
20	17.175	2407	2412	2418	rBV2	2117667	3702154	5.09%	0.441%
21	17.392	2445	2449	2452	rVV2	1185030	1906494	2.62%	0.227%
22	17.433	2452	2456	2466	rVV	2107224	5327222	7.33%	0.635%
23	17.510	2466	2469	2473	rVV	1765621	2495672	3.43%	0.297%
24	17.569	2475	2479	2488	rVV6	1696637	3536298	4.86%	0.421%
25	17.786	2512	2516	2520	rVB	1418889	1905761	2.62%	0.227%
26	17.863	2520	2529	2533	rBV	7223773	11004587	15.14%	1.311%
27	17.916	2533	2538	2545	rVB	10491096	15473341	21.28%	1.844%
28	17.998	2545	2552	2556	rBV	6557316	9976431	13.72%	1.189%
29	18.063	2556	2563	2567	rVV2	11172810	21463497	29.52%	2.557%
30	18.098	2567	2569	2576	rVB	5791785	6609343	9.09%	0.788%
31	18.328	2601	2608	2611	rBV7	750546	1574788	2.17%	0.188%
32	18.375	2611	2616	2620	rVV	6048151	8650086	11.90%	1.031%
33	18.416	2620	2623	2628	rVB2	1777580	2390957	3.29%	0.285%
34	18.622	2649	2658	2663	rBV2	2526988	5862339	8.06%	0.699%

LSC Area Percent Report

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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Title : SVOA CALIBRATION

35	18.675	2663	2667	2670	rVV	3481076	4608695	6.34%	0.549%
36	18.710	2670	2673	2678	rVB	3239033	4399116	6.05%	0.524%
37	18.792	2678	2687	2692	rBV	7267531	15118136	20.79%	1.801%
38	18.863	2694	2699	2702	rVV2	5340243	10453378	14.38%	1.246%
39	18.892	2702	2704	2708	rVV	3915242	4849749	6.67%	0.578%
40	18.945	2708	2713	2722	rVB3	7175353	14048835	19.32%	1.674%
41	19.080	2728	2736	2741	rBV2	35524035	62369321	85.79%	7.431%
42	19.139	2741	2746	2748	rBV	1665538	2490148	3.43%	0.297%
43	19.169	2748	2751	2755	rVB2	2217131	2781863	3.83%	0.331%
44	19.216	2755	2759	2763	rVB	5156415	6916418	9.51%	0.824%
45	19.280	2763	2770	2772	rBV4	2376223	4660072	6.41%	0.555%
46	19.445	2787	2798	2804	rBV4	31999928	72701960	100.00%	8.663%
47	19.510	2804	2809	2816	rVB2	4956695	10088845	13.88%	1.202%
48	19.616	2816	2827	2833	rBV2	5910134	12964740	17.83%	1.545%
49	19.674	2833	2837	2843	rVB2	3139442	5165869	7.11%	0.616%
50	19.774	2845	2854	2859	rBV4	6490830	17808710	24.50%	2.122%
51	19.851	2864	2867	2870	rBV2	1156357	1501011	2.06%	0.179%
52	19.898	2870	2875	2878	rBV3	5696377	10431553	14.35%	1.243%
53	19.939	2878	2882	2886	rVB	10084382	14961274	20.58%	1.783%
54	20.004	2887	2893	2894	rBV5	982404	1681489	2.31%	0.200%
55	20.039	2895	2899	2902	rBV	4988910	5857060	8.06%	0.698%
56	20.092	2902	2908	2914	rVV2	9310894	16733206	23.02%	1.994%
57	20.139	2914	2916	2919	rVB	1441511	1421045	1.95%	0.169%
58	20.180	2919	2923	2928	rBV	2497167	3783921	5.20%	0.451%
59	20.239	2928	2933	2936	rBV	4774235	6481605	8.92%	0.772%
60	20.286	2936	2941	2945	rVV2	4541006	6565926	9.03%	0.782%
61	20.380	2953	2957	2959	rBV2	1021870	1532512	2.11%	0.183%
62	20.498	2973	2977	2980	rBV3	1995194	3856343	5.30%	0.459%
63	20.604	2992	2995	2998	rBV3	1068647	1357784	1.87%	0.162%
64	20.657	3001	3004	3006	rVV2	1289345	1571594	2.16%	0.187%
65	20.698	3006	3011	3016	rVB	8526922	11355799	15.62%	1.353%
66	20.857	3032	3038	3042	rBV3	5027246	9951015	13.69%	1.186%
67	20.898	3042	3045	3049	rVV	6565309	8623480	11.86%	1.027%
68	20.939	3049	3052	3057	rVV2	3971655	8278422	11.39%	0.986%
69	21.004	3058	3063	3073	rVB	8512254	13561414	18.65%	1.616%
70	21.216	3092	3099	3103	rBV3	28146362	48999008	67.40%	5.838%
71	21.263	3103	3107	3116	rVB	19661806	30493243	41.94%	3.633%

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Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

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
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Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Title : SVOA CALIBRATION

72	21.374	3123	3126	3132	rBV	2507576	4134014	5.69%	0.493%
73	21.539	3149	3154	3158	rBV3	3379510	6036078	8.30%	0.719%
74	21.580	3158	3161	3165	rVB2	2116517	2662918	3.66%	0.317%
75	21.716	3181	3184	3187	rVB	1769567	2030086	2.79%	0.242%
76	21.774	3187	3194	3198	rBV	7832181	11395863	15.67%	1.358%
77	21.821	3198	3202	3208	rVB2	4138159	5924430	8.15%	0.706%
78	21.892	3209	3214	3216	rBV3	1507805	2492872	3.43%	0.297%
79	21.916	3216	3218	3222	rVB	1713868	2059523	2.83%	0.245%
80	21.963	3222	3226	3229	rBV2	2860775	3838513	5.28%	0.457%
81	22.063	3239	3243	3247	rVB3	1713316	2494056	3.43%	0.297%
82	22.357	3289	3293	3296	rBV	1194049	1943686	2.67%	0.232%
83	22.416	3300	3303	3308	rVB2	1822008	2691760	3.70%	0.321%
84	22.521	3316	3321	3327	rBV3	2321459	4715950	6.49%	0.562%
85	22.621	3334	3338	3347	rBV6	689482	1539273	2.12%	0.183%
86	22.786	3358	3366	3370	rBV	14964686	34694555	47.72%	4.134%
87	22.945	3387	3393	3398	rVB	3705287	5746904	7.90%	0.685%
88	23.068	3409	3414	3415	rBV2	1488649	1990485	2.74%	0.237%
89	23.245	3438	3444	3452	rVB	7345419	14300543	19.67%	1.704%
90	23.345	3453	3461	3467	rVB	12163526	23350298	32.12%	2.782%
91	23.421	3469	3474	3479	rVV	2176394	4335979	5.96%	0.517%
92	23.474	3479	3483	3492	rVB3	2716726	6648887	9.15%	0.792%
93	23.962	3561	3566	3573	rVB4	948621	2104536	2.89%	0.251%
94	24.080	3579	3586	3591	rVB3	902034	2310517	3.18%	0.275%
95	24.268	3614	3618	3624	rVB2	898846	1512174	2.08%	0.180%
96	25.109	3756	3761	3770	rVB6	1128346	2724414	3.75%	0.325%
97	25.621	3839	3848	3858	rVB	5450162	15824435	21.77%	1.885%
98	25.715	3859	3864	3873	rVB	784703	1879471	2.59%	0.224%
99	25.862	3882	3889	3897	rBV	1564207	4162987	5.73%	0.496%
100	26.286	3952	3961	3977	rVB2	2889481	9528077	13.11%	1.135%

Sum of corrected areas: 839271379

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
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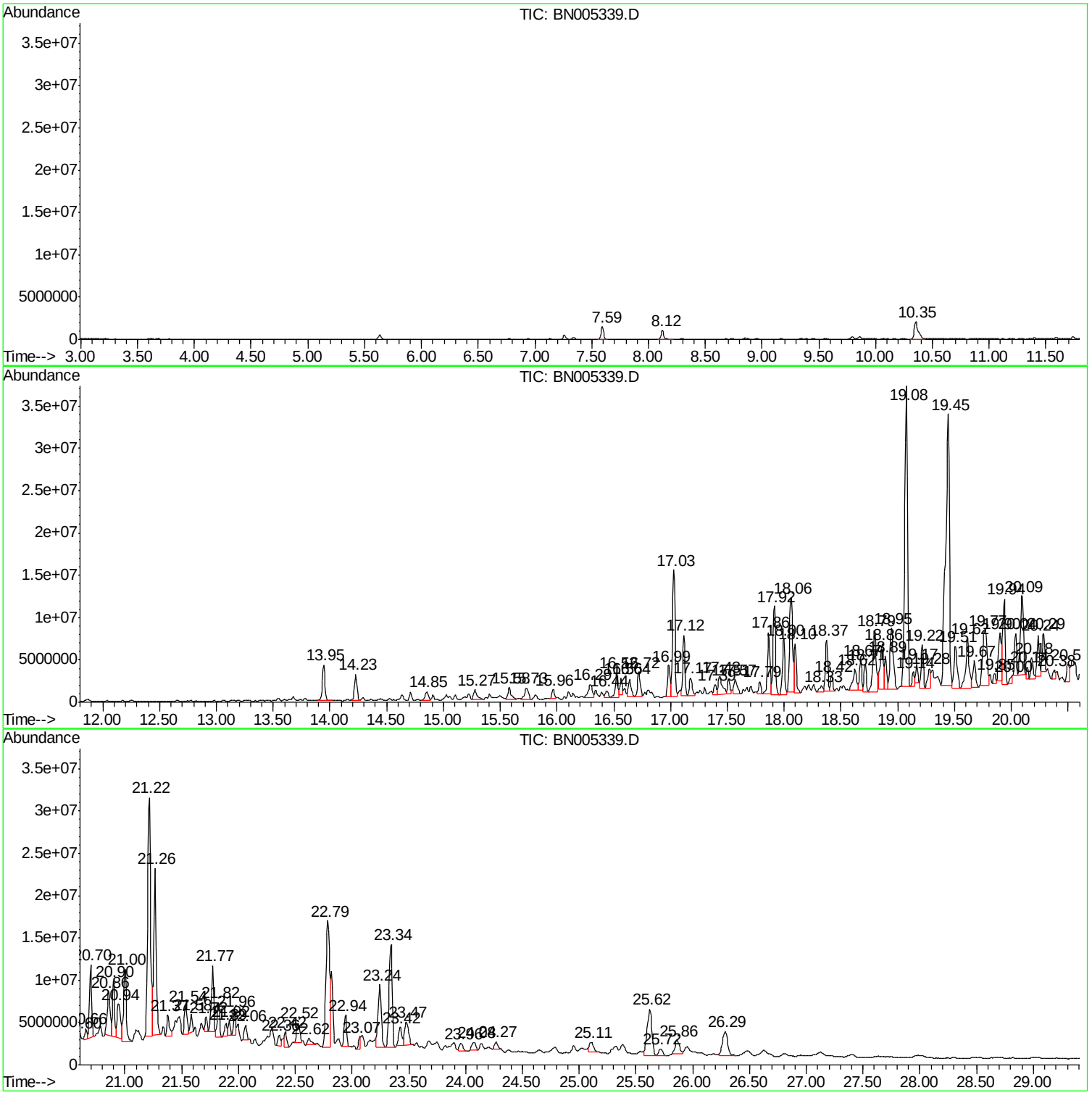
Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHX8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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



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Instrument : BNA_N
ClientSampleId : GAHX8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

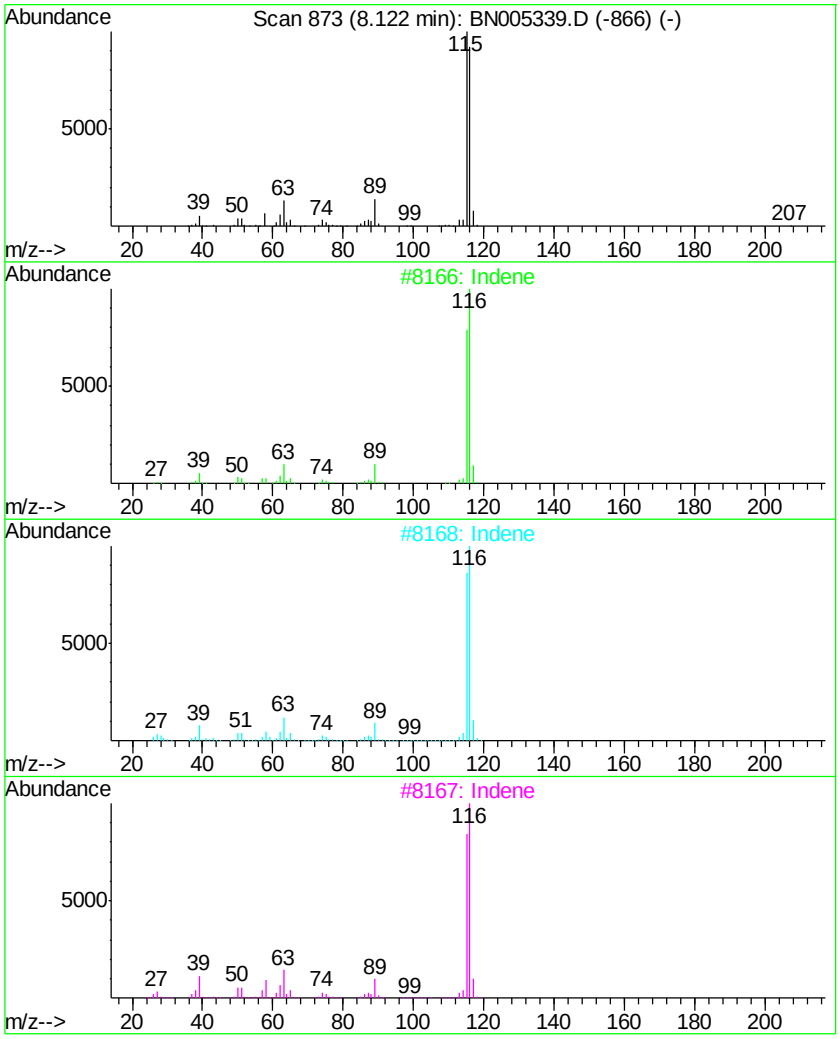
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

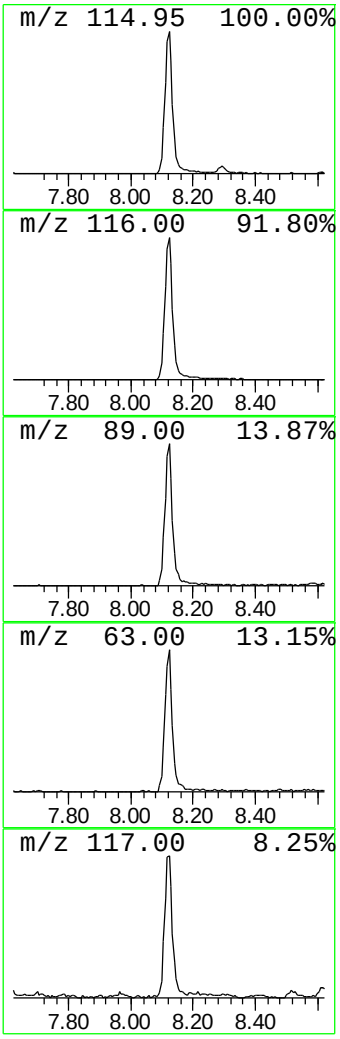
****

Peak Number 1 Indene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	15.94 ng/ul	1863060	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
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Instrument : BNA_N
ClientSampleId : GAHX8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

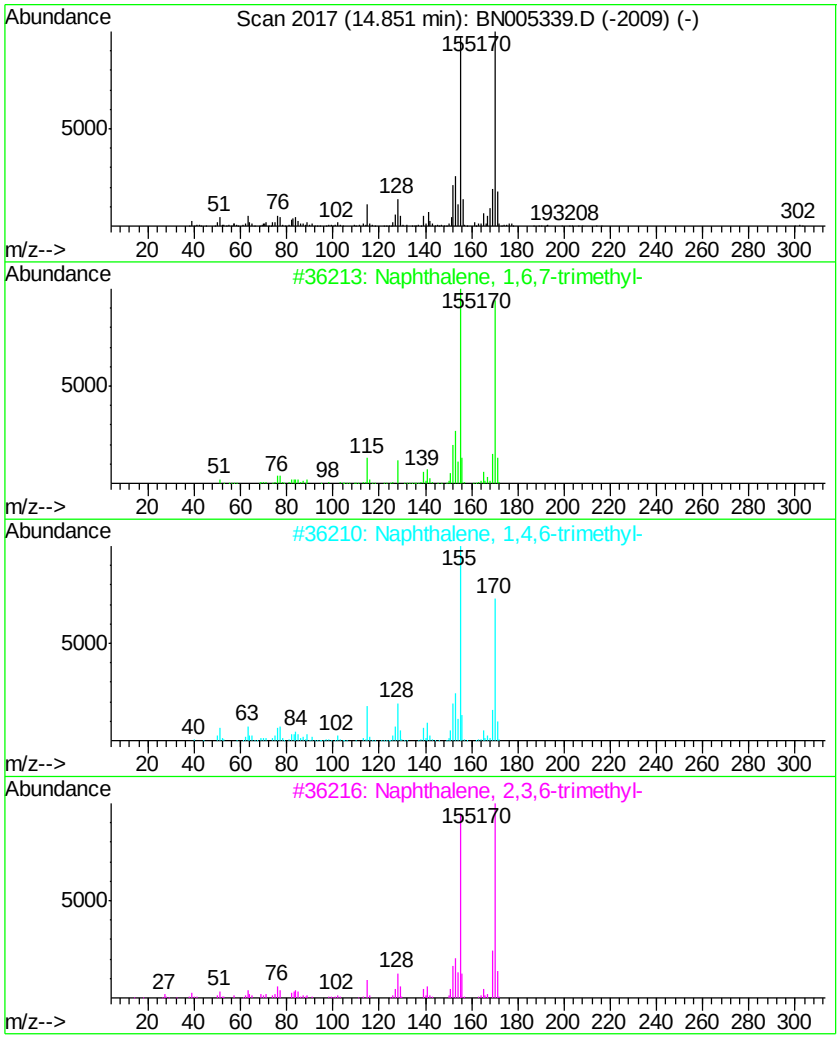
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

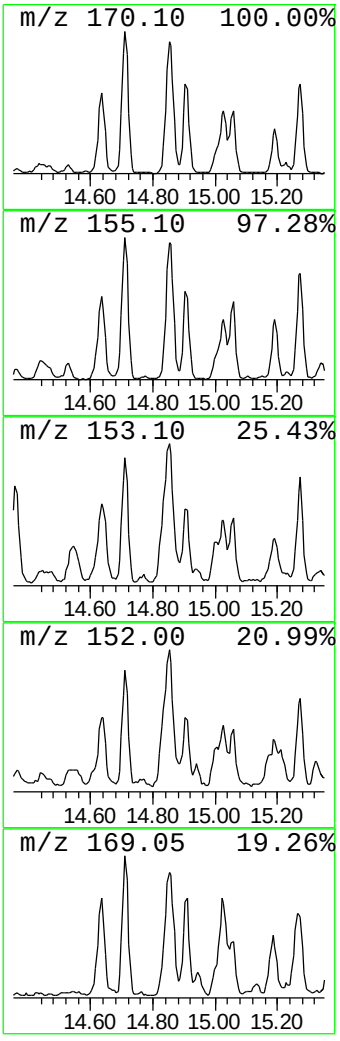
****

Peak Number 2 Naphthalene, 1,6,7-trimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	9.06 ng/ul	2165970	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





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Instrument : BNA_N
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

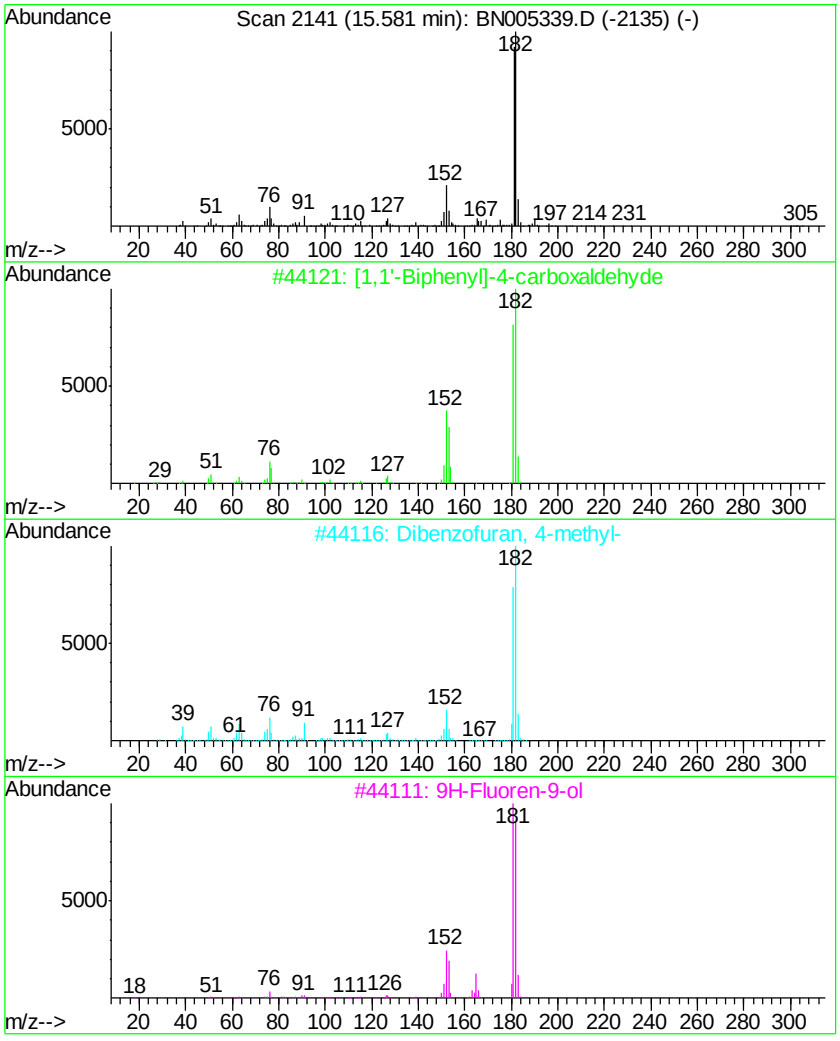
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

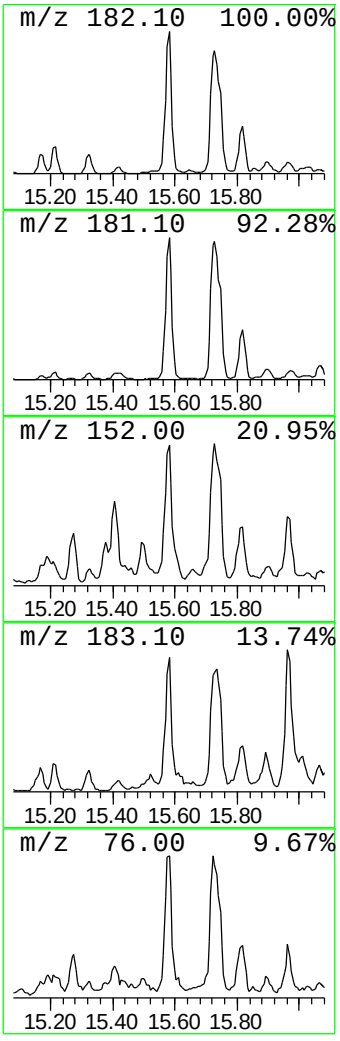
****

Peak Number 3 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	10.45 ng/ul	2499600	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





Library Search Compound Report

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Acq On : 27 Apr 2019 04:33
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Instrument : BNA_N
ClientSampleId : GAHX8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

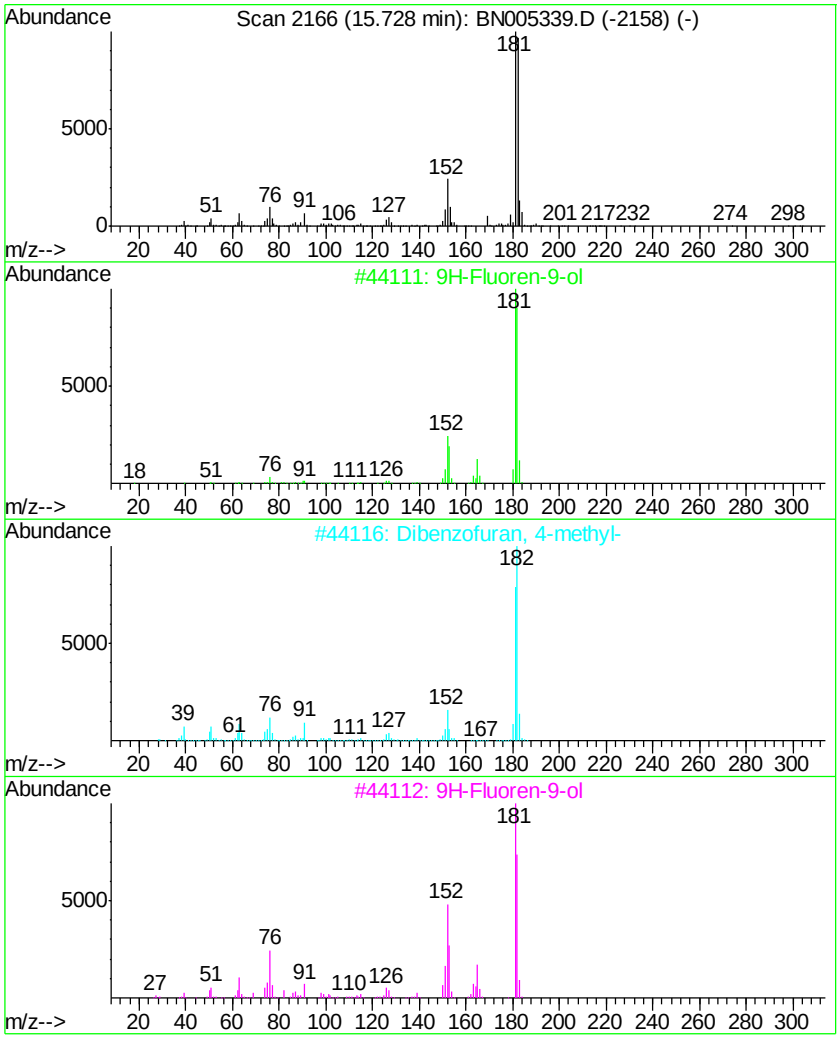
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

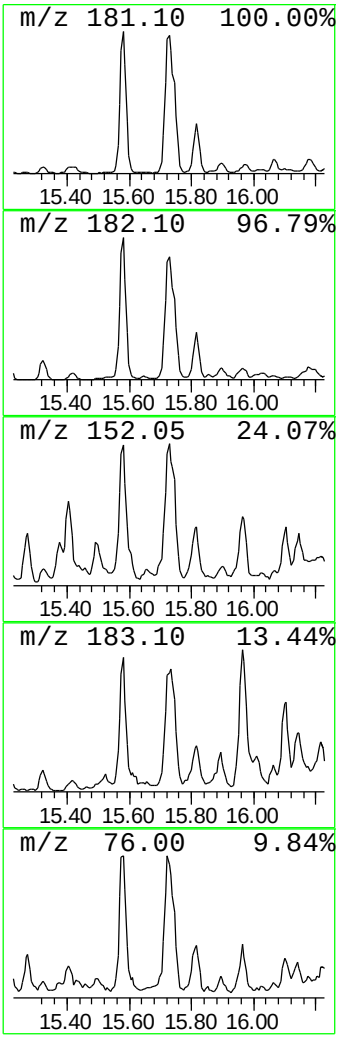
****

Peak Number 4 9H-Fluoren-9-ol Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	10.34 ng/ul	3170150	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
5	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	72





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Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

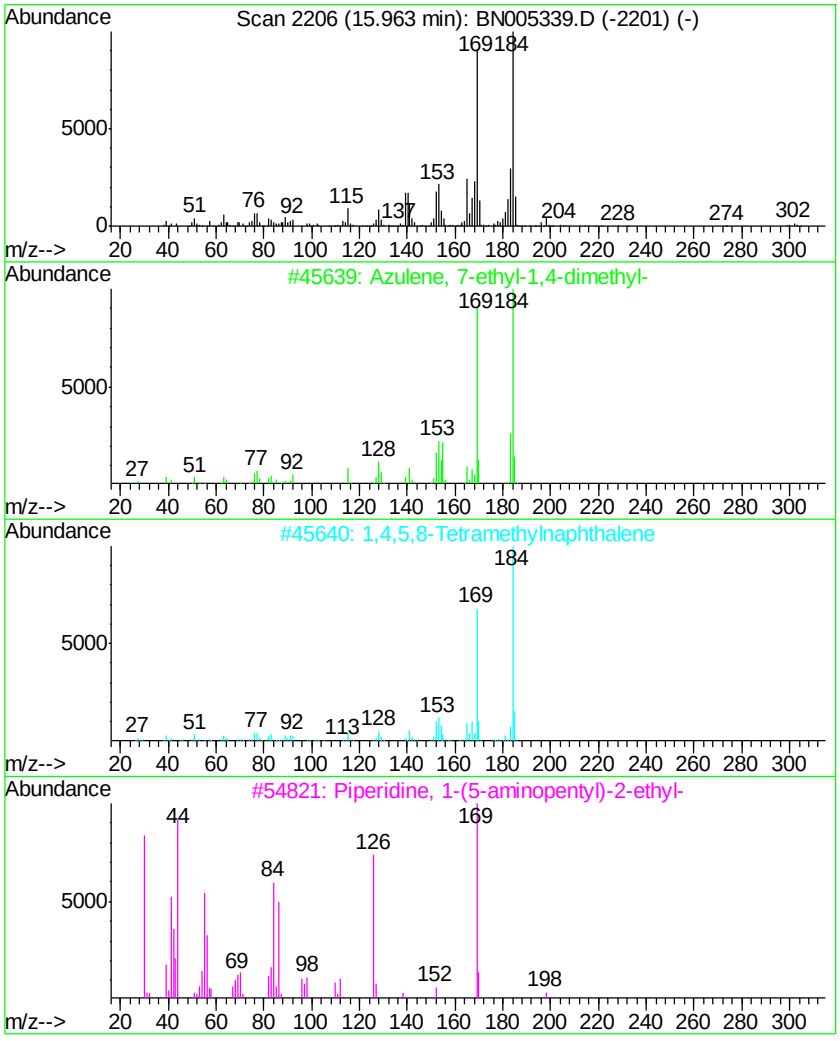
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

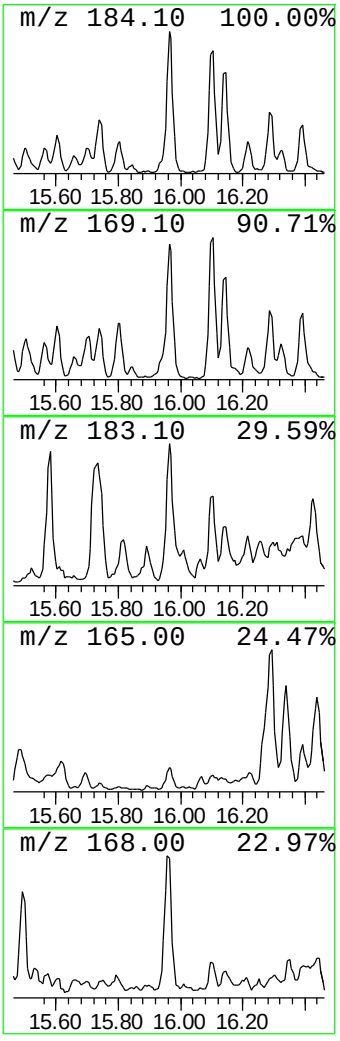
****

Peak Number 5 Azulene, 7-ethyl-1,4-dimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	5.50 ng/ul	1685740	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	91
2	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	81
3	Piperidine, 1-(5-aminopentyl)-2-...	198	C12H26N2	022014-06-8	70
4	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	68
5	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	64





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Acq On : 27 Apr 2019 04:33
Operator : JU/SJ
Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

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Quant Title : SVOA CALIBRATION

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

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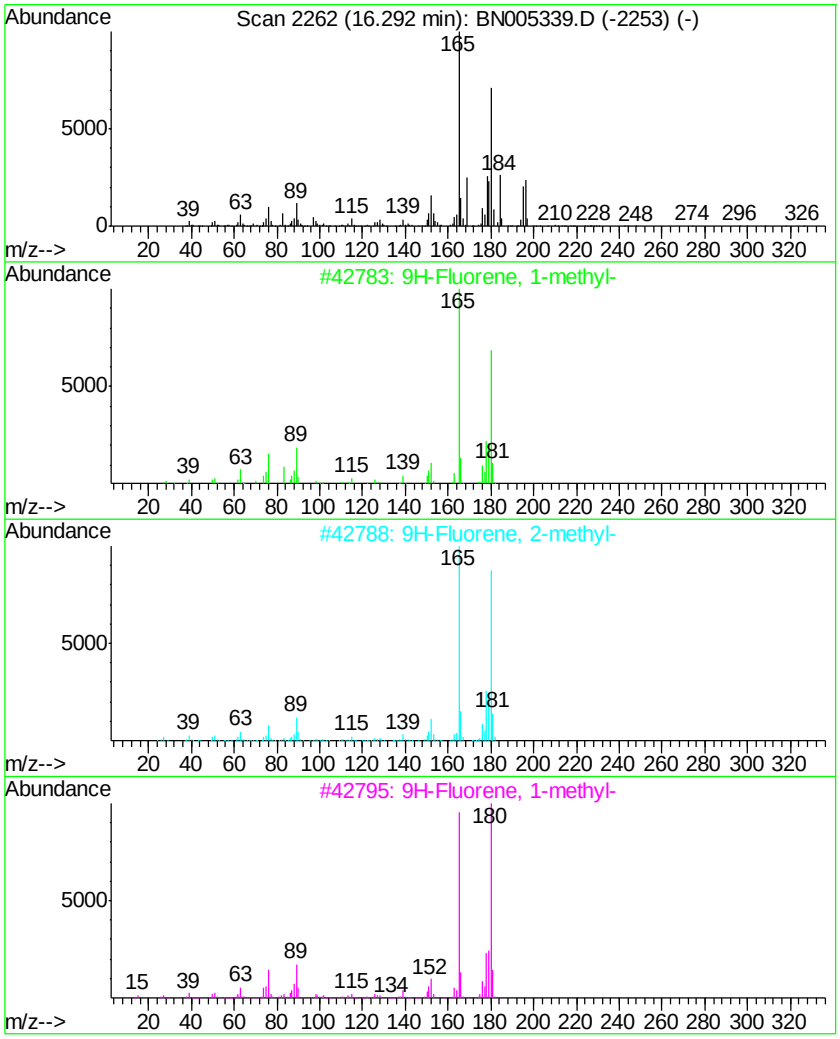
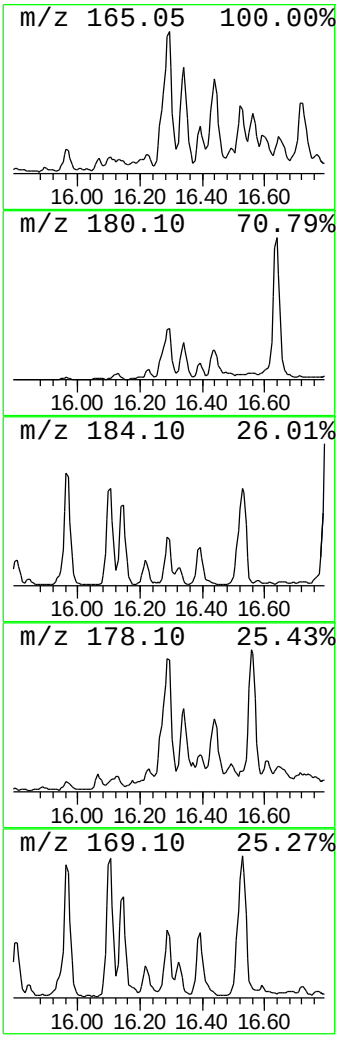
Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	11.73 ng/ul	3596200	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	87
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	50





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Operator : JU/SJ
Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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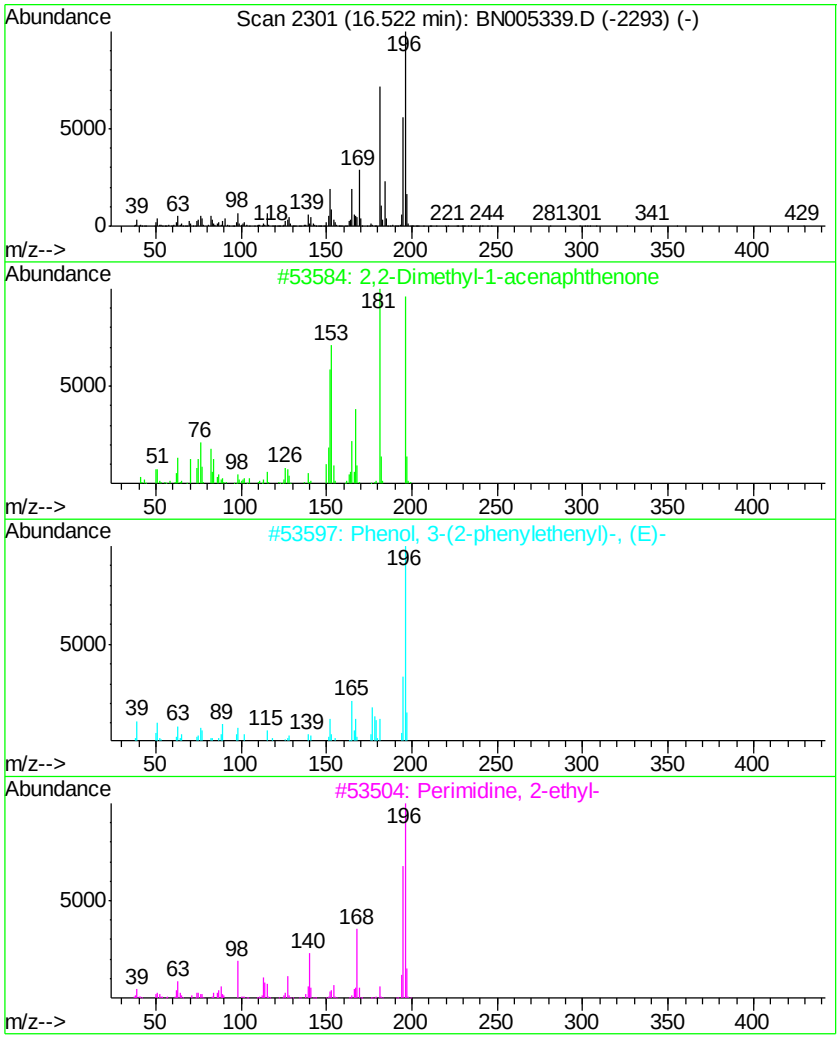
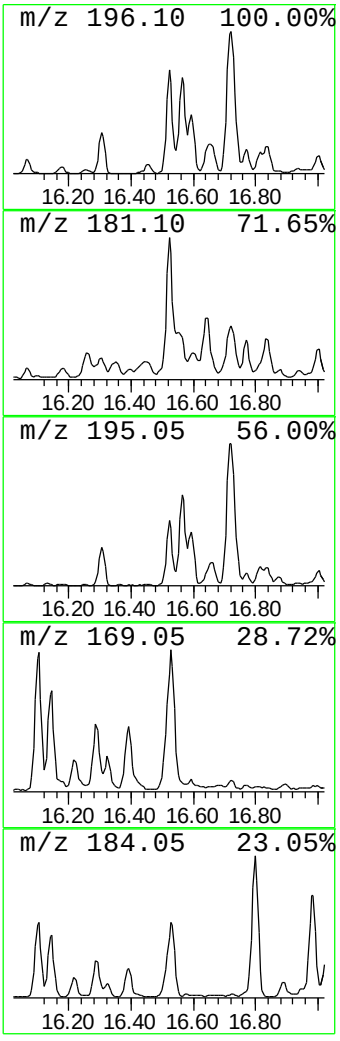
Peak Number 8 2,2-Dimethyl-1-acenaphthenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	16.41 ng/ul	5032350	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	60
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
3	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	46
4	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	46
5	7-Methoxy-piperonylicacid	196	C9H8O5	000526-34-1	43





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Sample : K2497-02 30X
Misc :
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Instrument : BNA_N
ClientSampleId : GAHX8

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Quant Title : SVOA CALIBRATION

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

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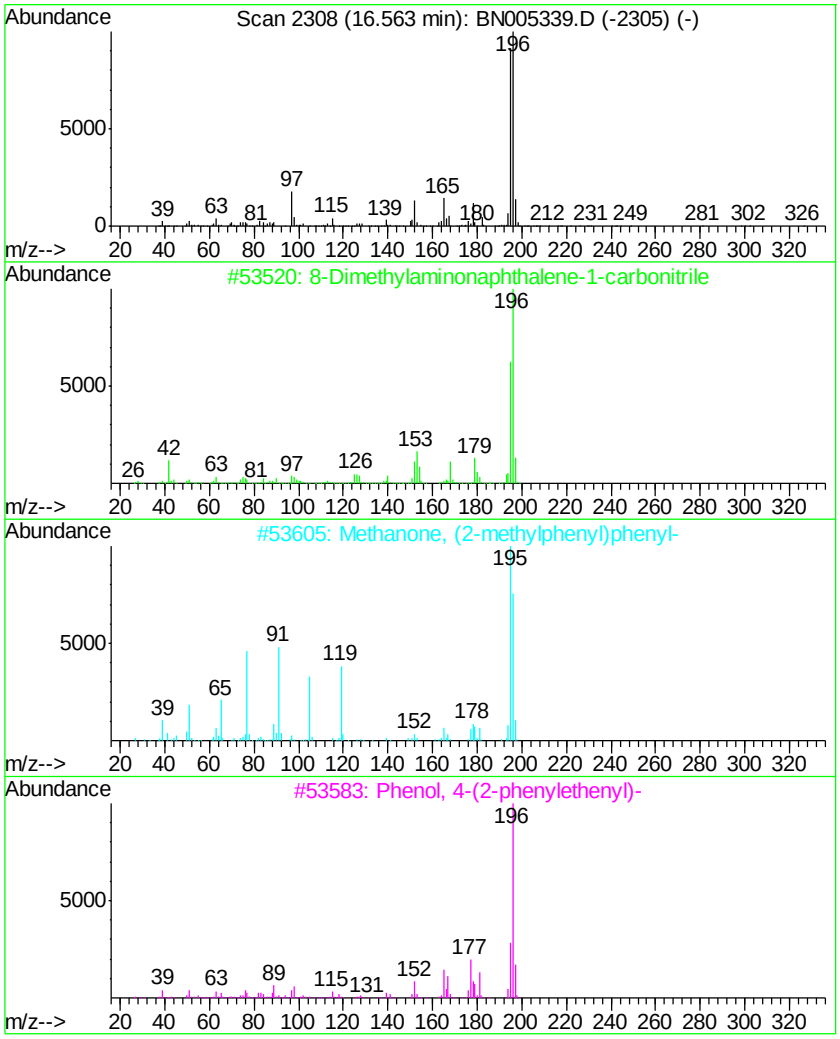
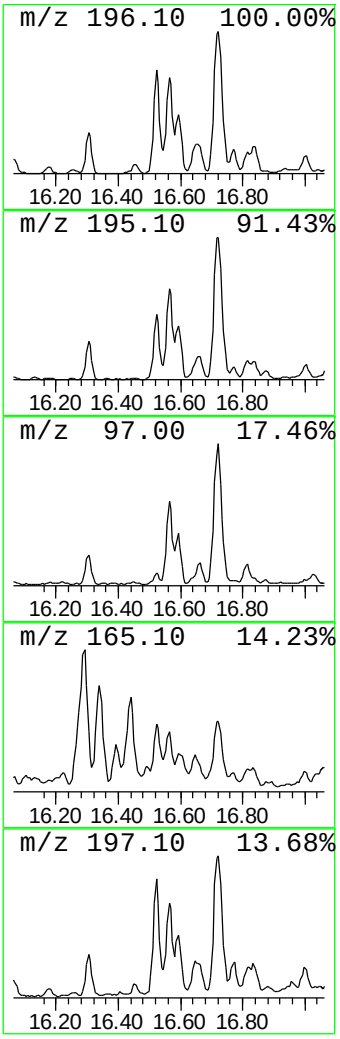
Peak Number 9 8-Dimethylaminonaphthalene-... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	8.48 ng/ul	2599870	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	80
2	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	72
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
4	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	53
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52





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Operator : JU/SJ
Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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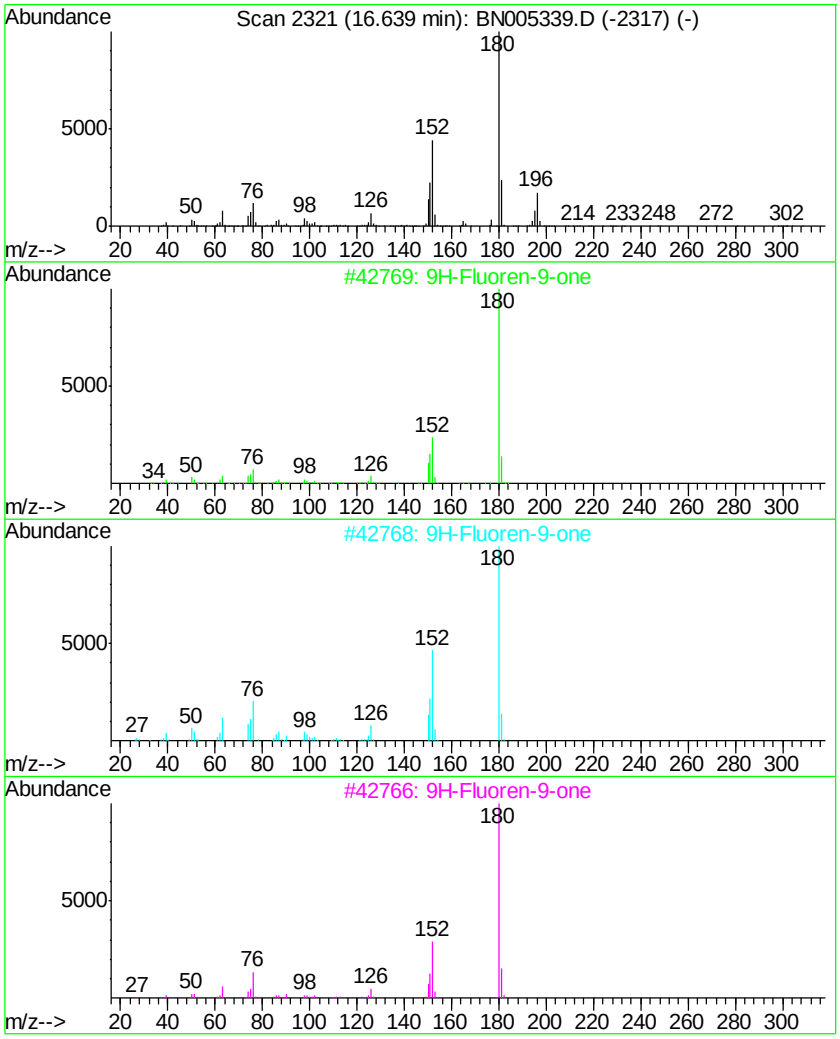
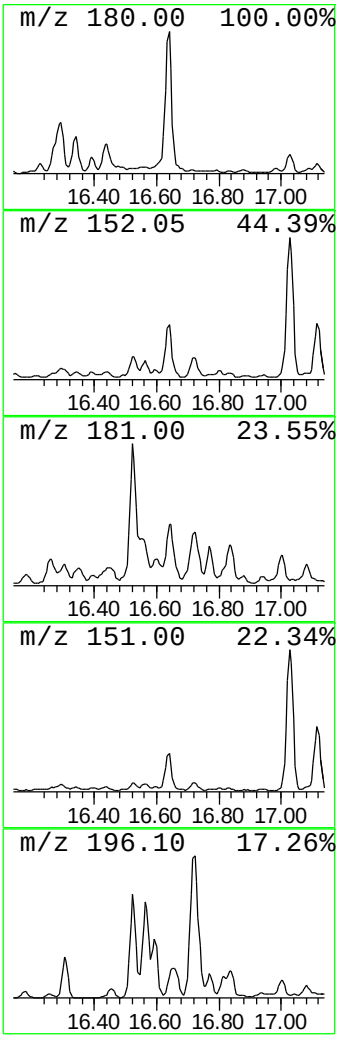
Peak Number 10 9H-Fluoren-9-one Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	11.45 ng/ul	3510710	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	74





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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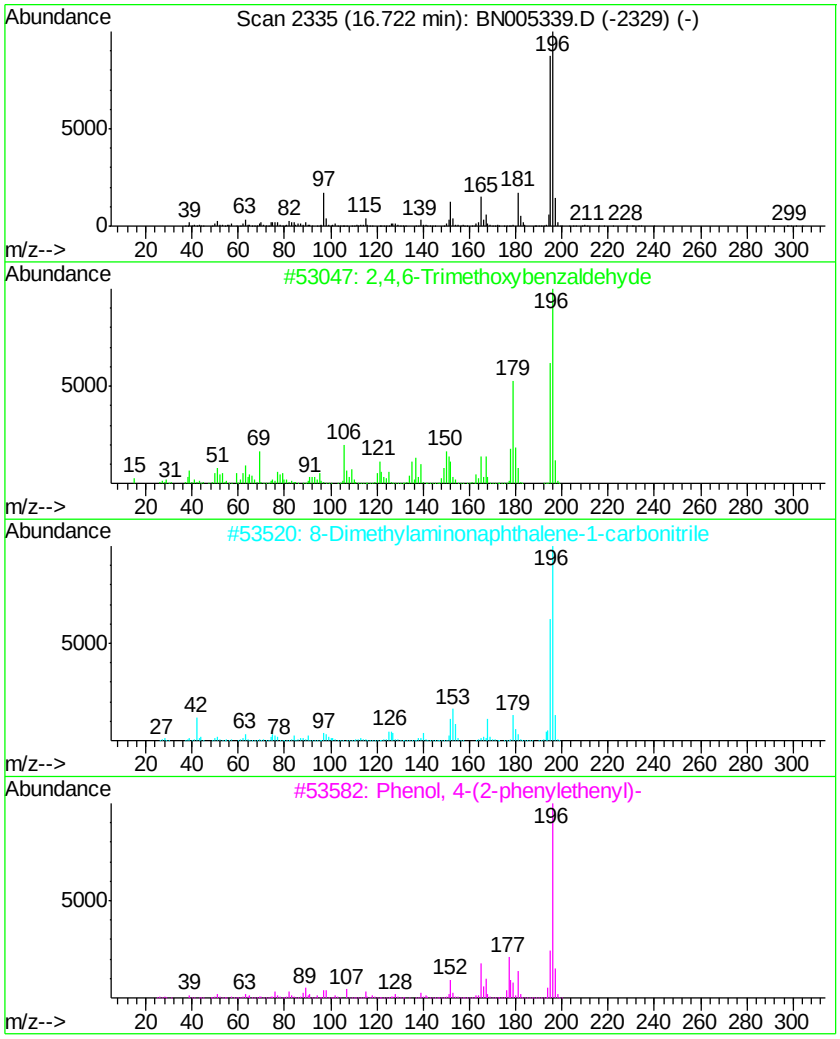
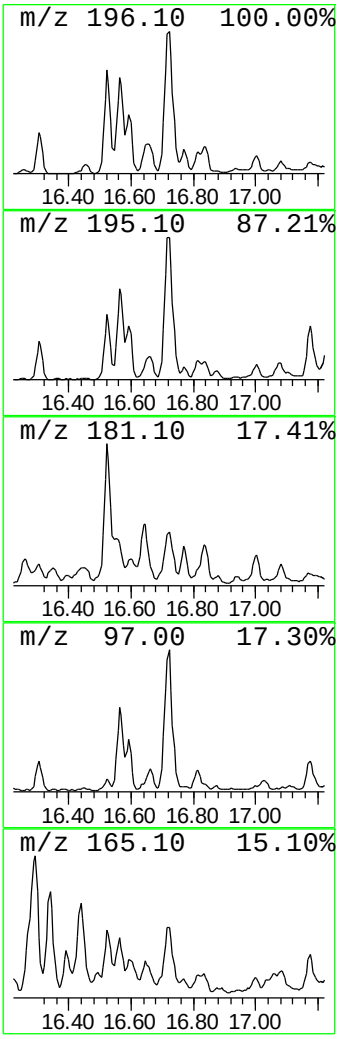
Peak Number 11 2,4,6-Trimethoxybenzaldehyde Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	16.64 ng/ul	5100910	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	86
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	80
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	52





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Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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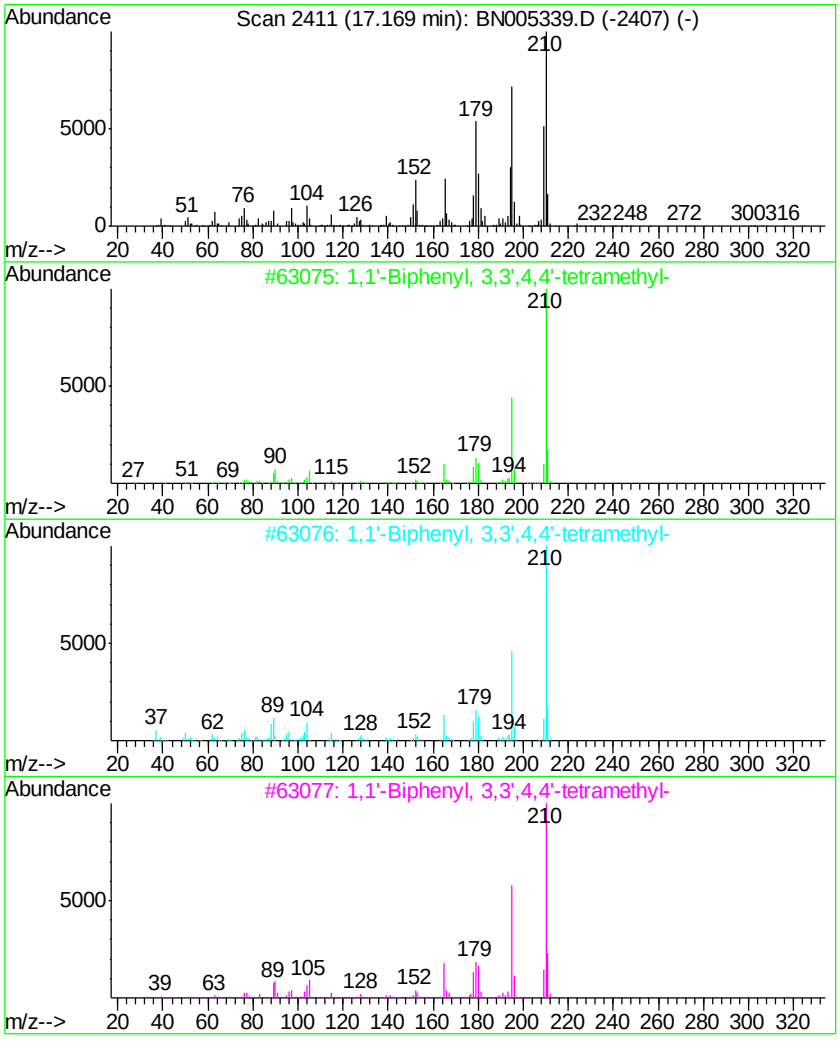
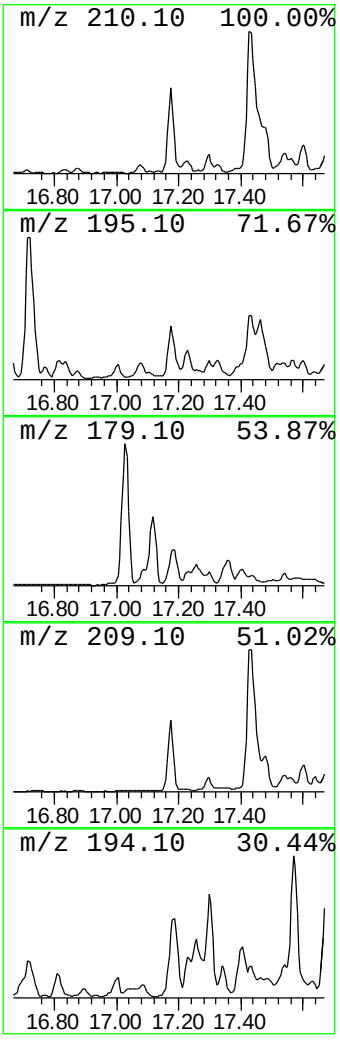
Peak Number 12 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	12.08 ng/ul	3702150	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrame...	210	C16H18	004920-95-0	95
2	1,1'-Biphenyl, 3,3',4,4'-tetrame...	210	C16H18	004920-95-0	89
3	1,1'-Biphenyl, 3,3',4,4'-tetrame...	210	C16H18	004920-95-0	89
4	Anthracene, 1,2,3,4-tetrahydro-9...	210	C16H18	094573-50-9	64
5	3,5,3',5'-Tetramethylbiphenyl	210	C16H18	025570-02-9	55





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

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Quant Title : SVOA CALIBRATION

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

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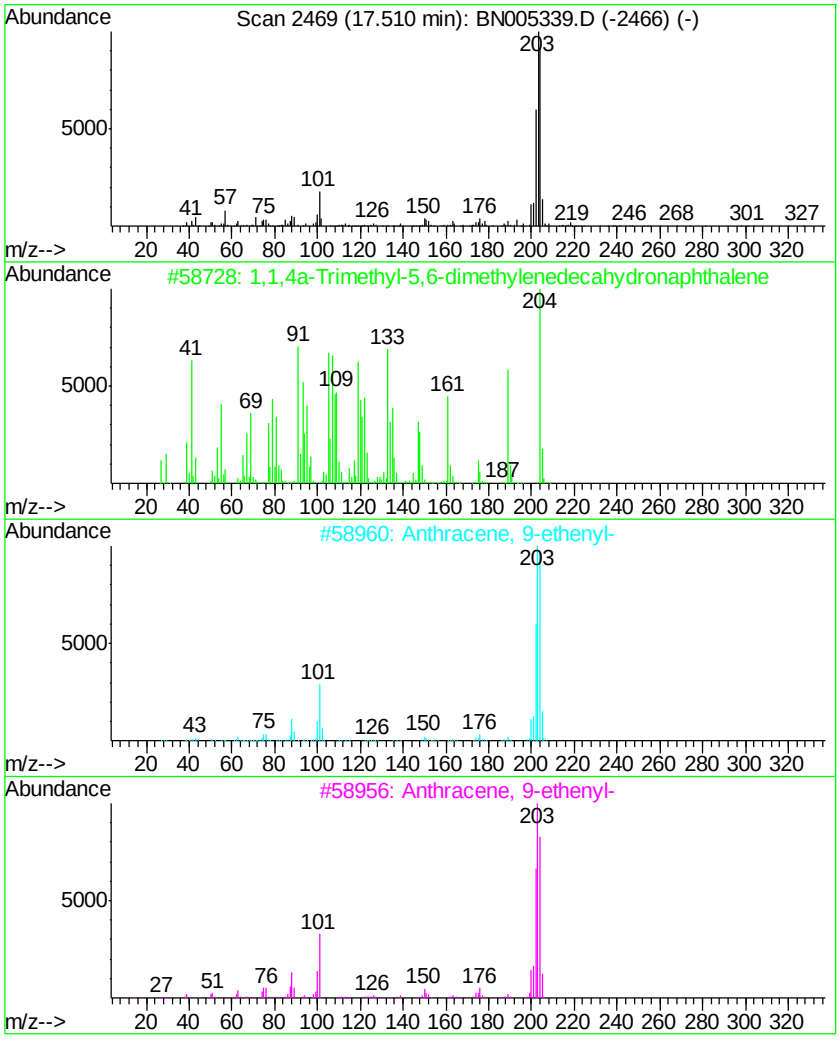
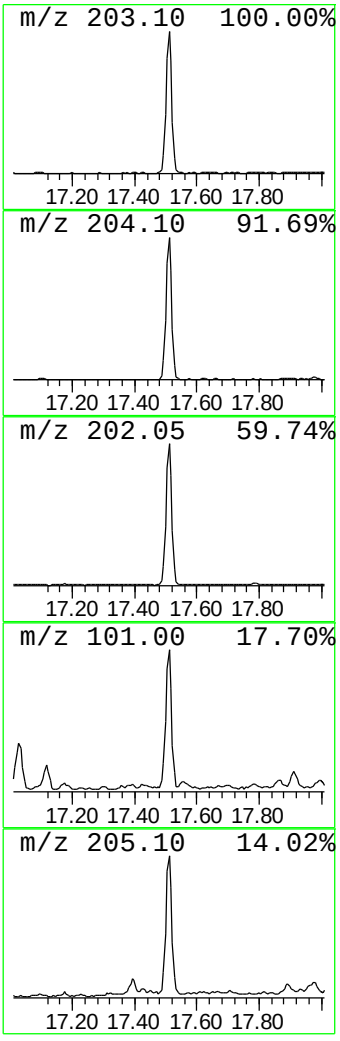
Peak Number 13 1,1,4a-Trimethyl-5,6-dimeth... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.51	8.14 ng/ul	2495670	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	91
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
4	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	89





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Misc :
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Quant Title : SVOA CALIBRATION

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

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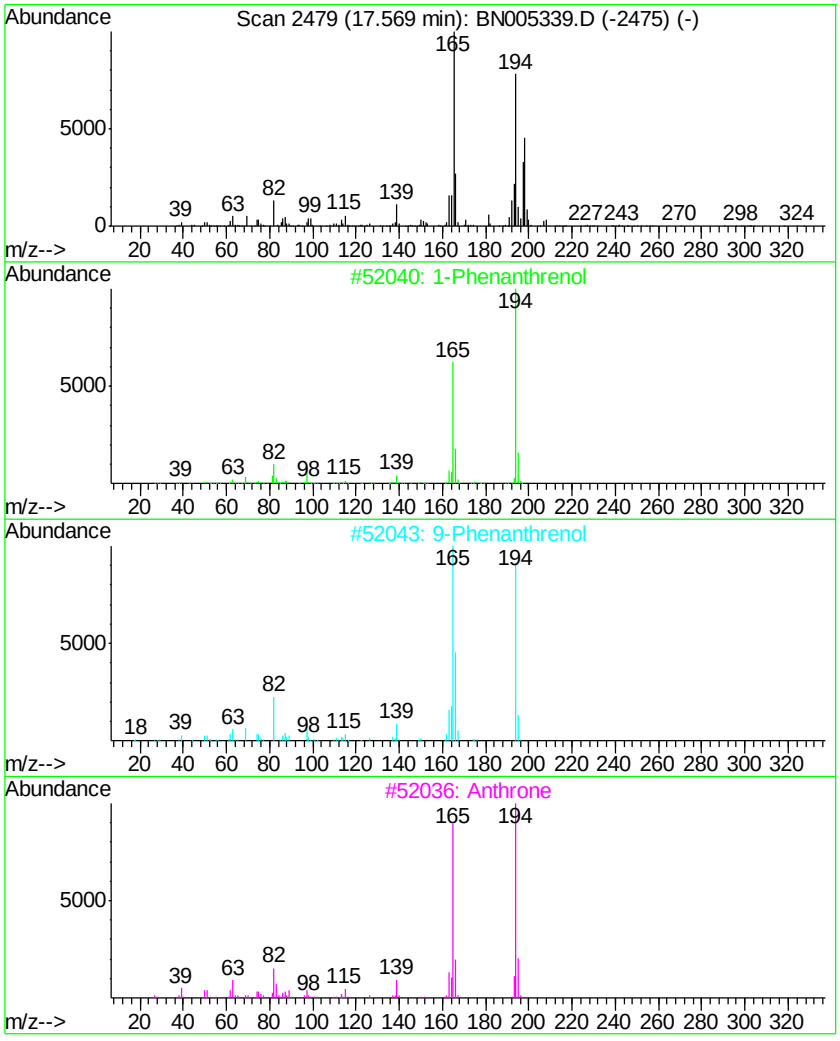
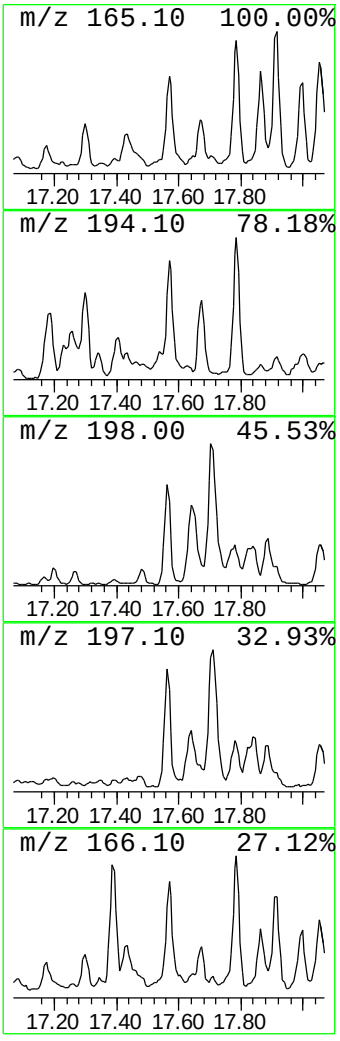
Peak Number 14 1-Phenanthrenol Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	11.53 ng/ul	3536300	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenol	194	C14H10O	002433-56-9	64
2	9-Phenanthrenol	194	C14H10O	000484-17-3	60
3	Anthrone	194	C14H10O	000090-44-8	58
4	3-Phenanthrol	194	C14H10O	000605-87-8	52
5	2',5'-Dimethoxypropiophenone	194	C11H14O3	005803-30-5	50





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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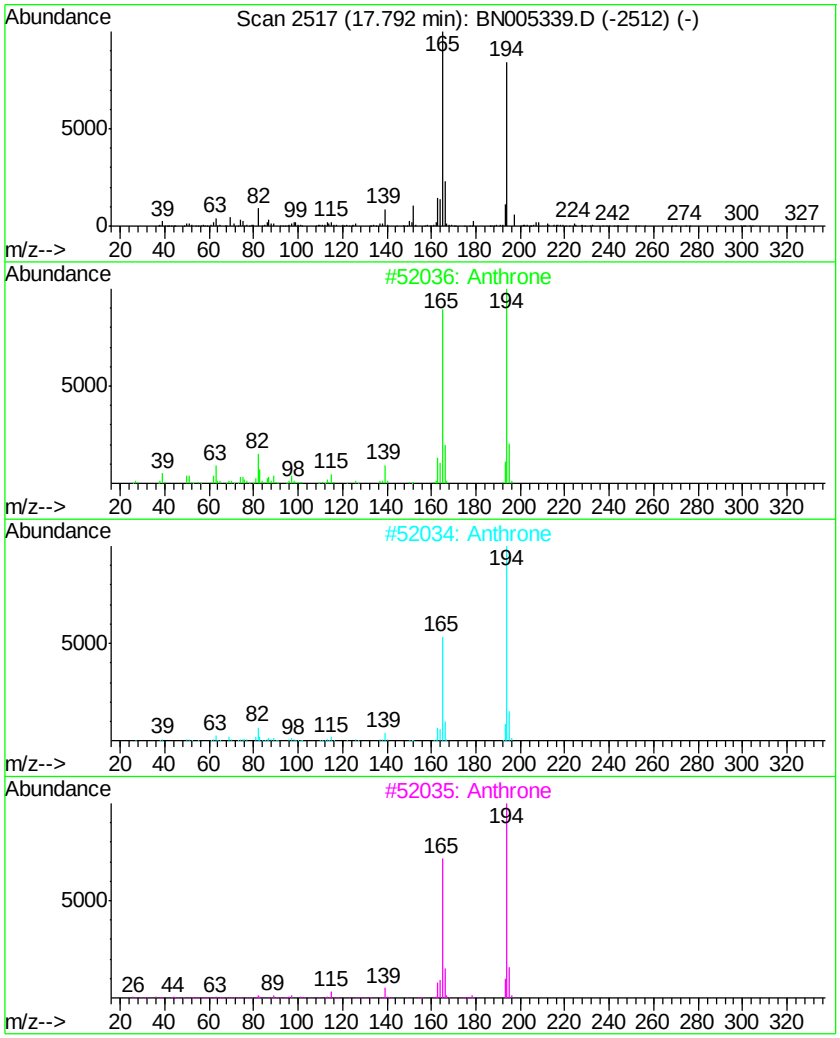
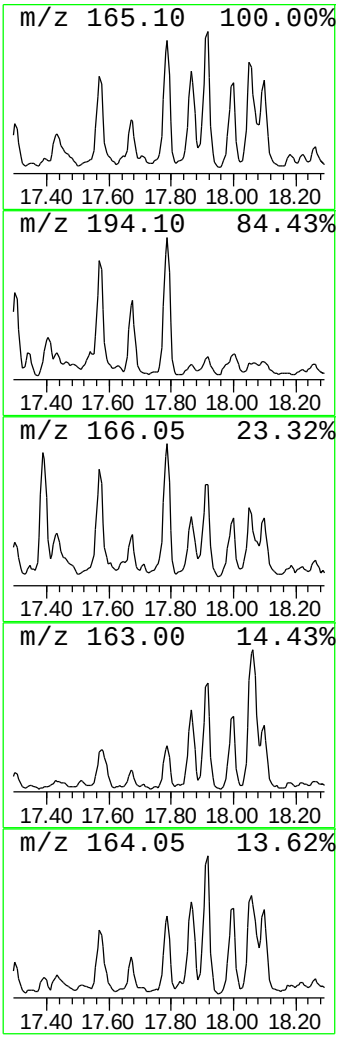
Peak Number 15 Anthrone Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	6.22 ng/ul	1905760	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	91
2	Anthrone	194	C14H10O	000090-44-8	91
3	Anthrone	194	C14H10O	000090-44-8	90
4	5H-Dibenzo[a,d]cycloheptane-10,1...	222	C15H10O2	052559-75-8	78
5	9-Phenanthrenol	194	C14H10O	000484-17-3	72





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Misc :
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Instrument : BNA_N
ClientSampleId : GAHX8

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Quant Title : SVOA CALIBRATION

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

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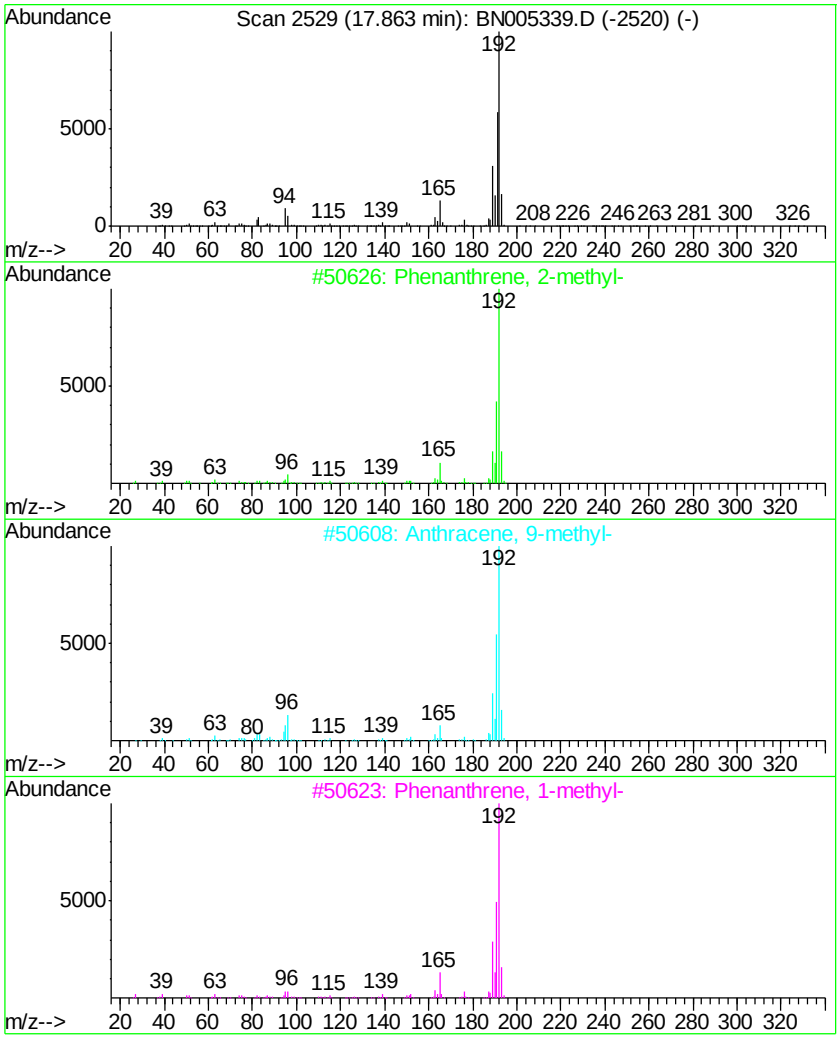
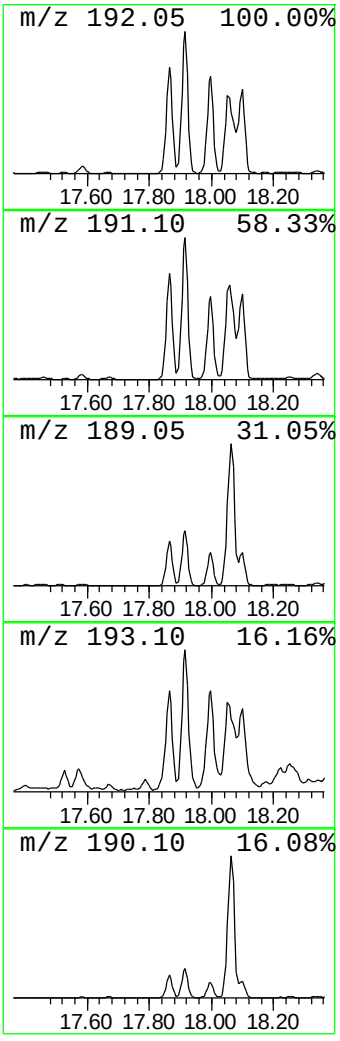
Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	35.89 ng/ul	11004600	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Quant Title : SVOA CALIBRATION

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

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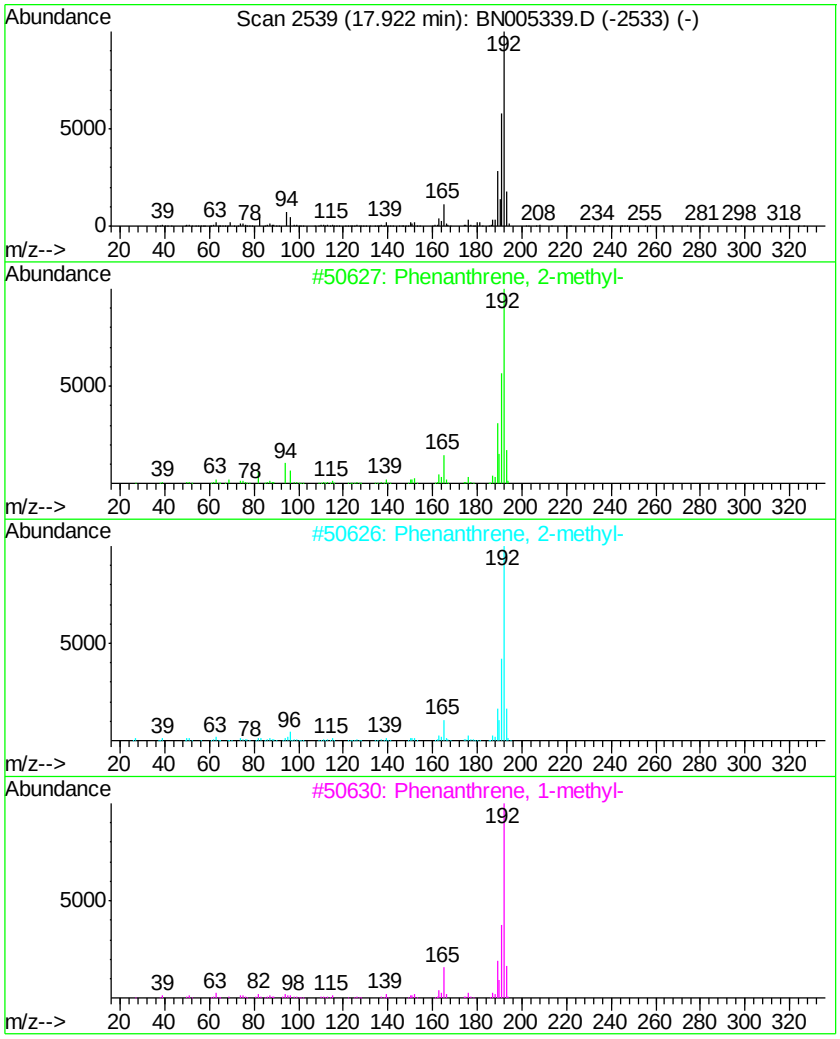
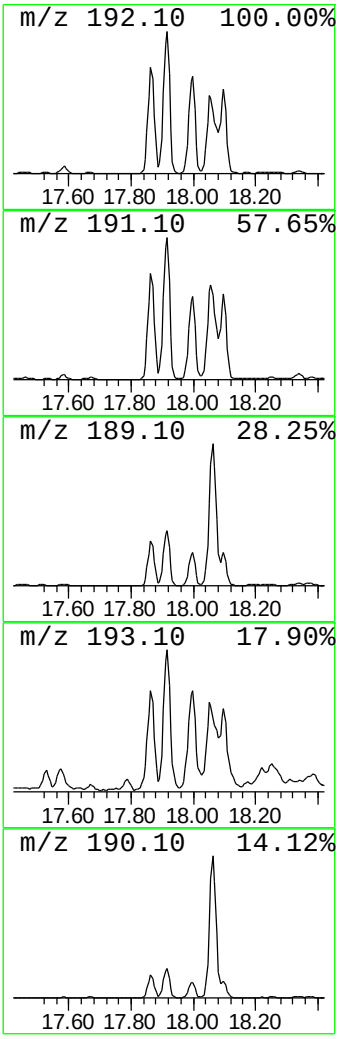
Peak Number 17 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	50.47 ng/ul	15473300	Phenanthrene-d10	16.98

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	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Library Search Compound Report

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Data File : BN005339.D
Acq On : 27 Apr 2019 04:33
Operator : JU/SJ
Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

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Quant Title : SVOA CALIBRATION

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

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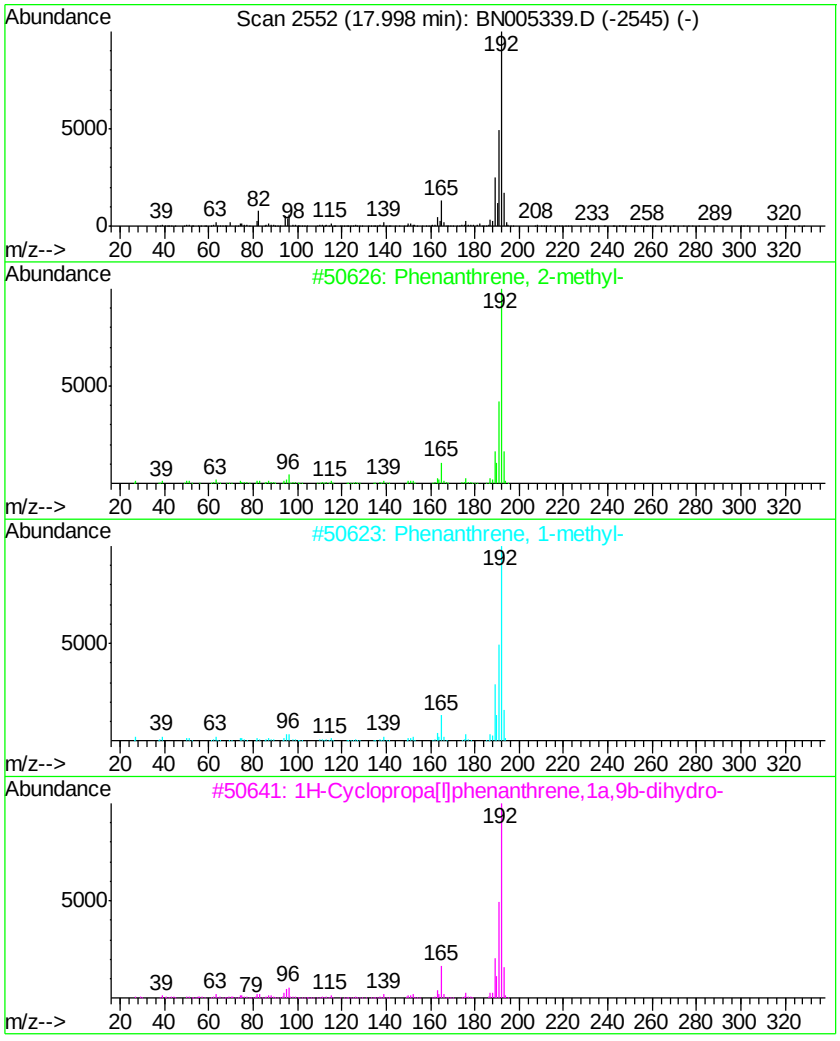
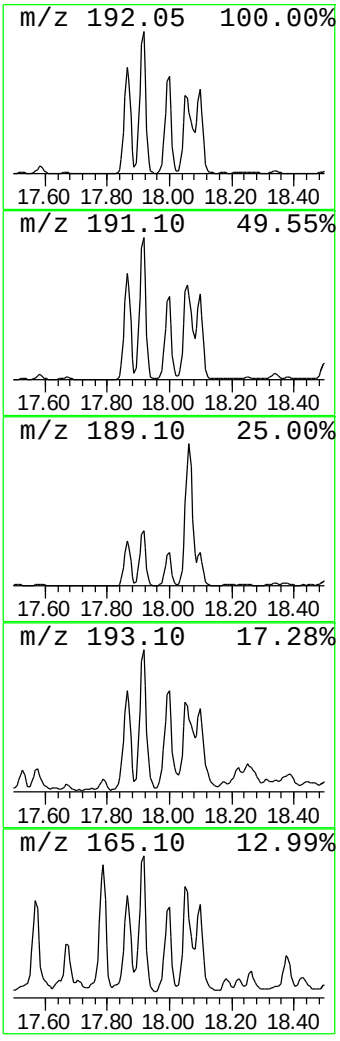
Peak Number 18 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	32.54 ng/ul	9976430	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Operator : JU/SJ
Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

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Quant Title : SVOA CALIBRATION

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

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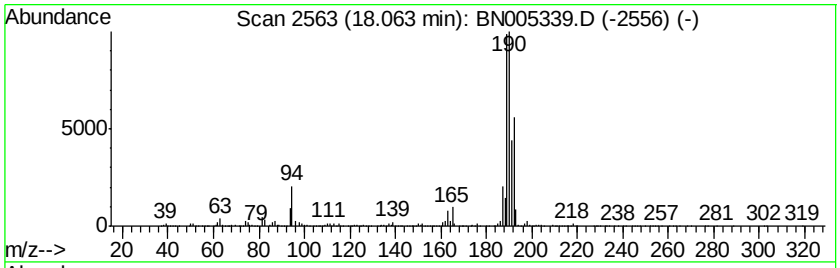
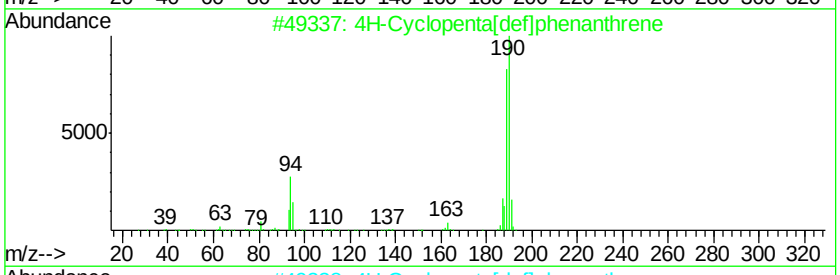
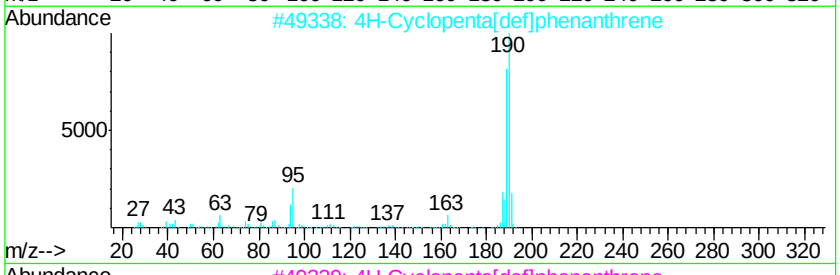
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

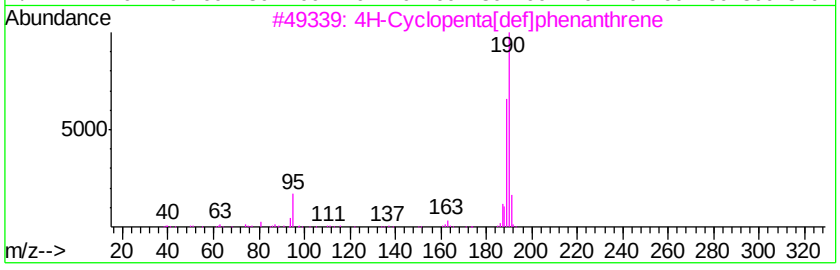
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	70.01 ng/ul	21463500	Phenanthrene-d10	16.98

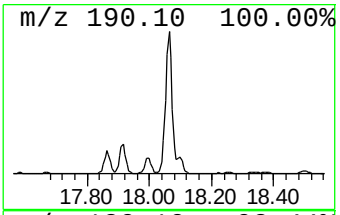
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	Methyl diselenide	190	C2H6Se2	007101-31-7	41

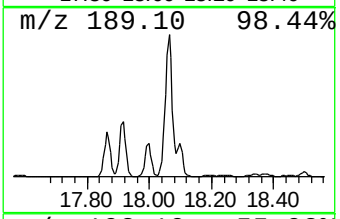


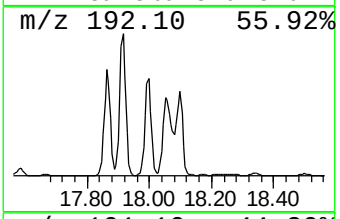


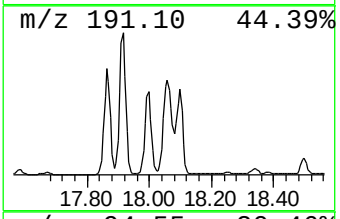


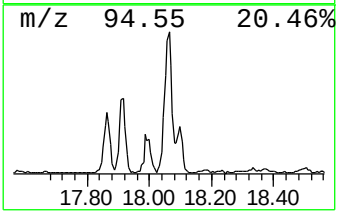












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Data File : BN005339.D
Acq On : 27 Apr 2019 04:33
Operator : JU/SJ
Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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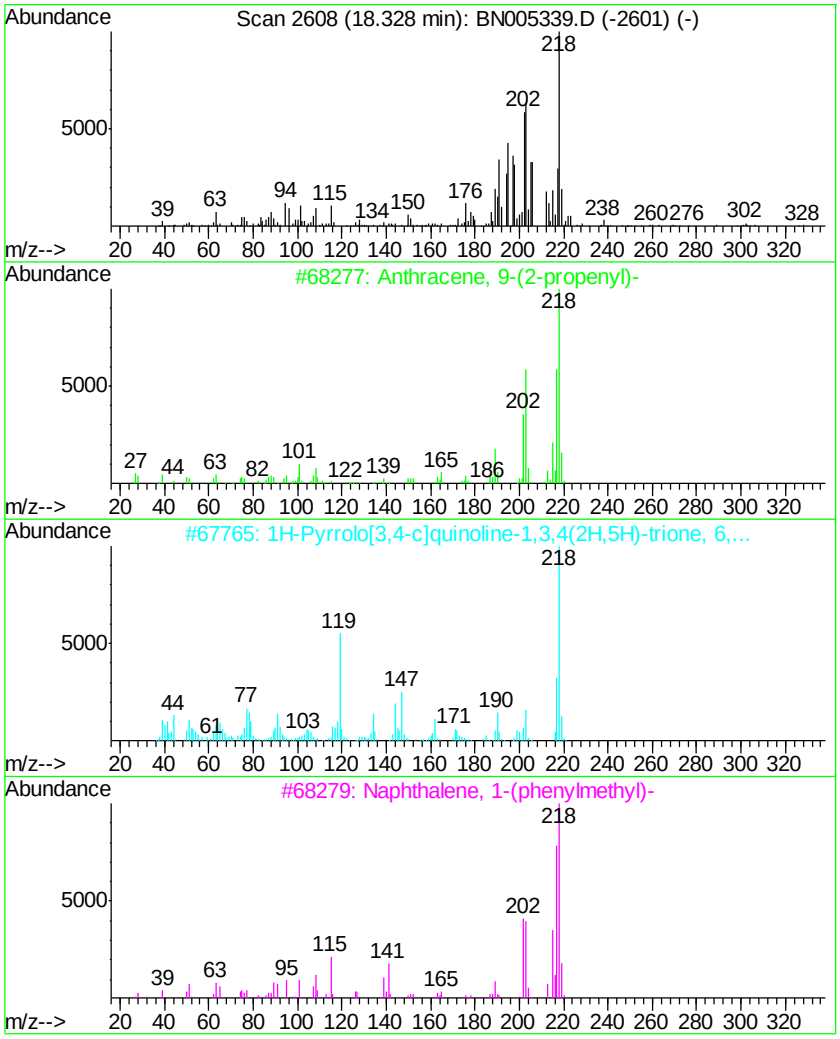
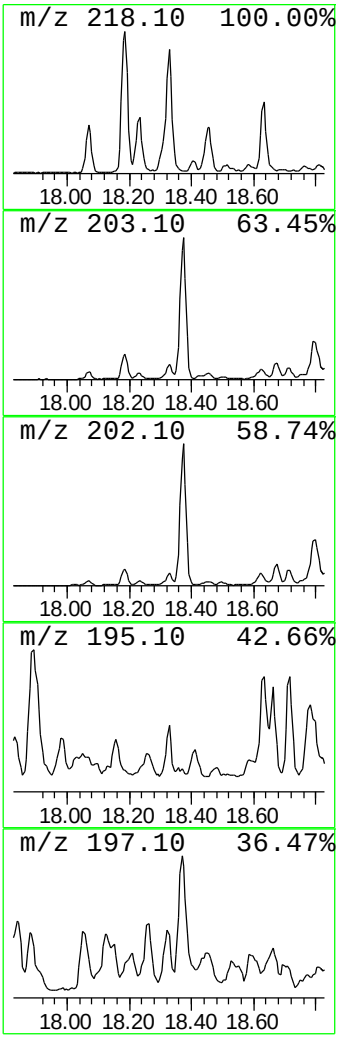
Peak Number 21 Anthracene, 9-(2-propenyl)- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	5.14 ng/ul	1574790	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	56
2	1H-Pyrrolo[3,4-c]quinoline-1,3,4...	218	C11H10N2O3	181021-85-2	38
3	Naphthalene, 1-(phenylmethyl)-	218	C17H14	000611-45-0	38
4	1,2,3,4-Tetrahydro-1-phenyl-1,2,...	218	C17H14	138089-69-7	38
5	7b-Phenyl-2a,7b-dihydro-3H-cyclo...	218	C17H14	138089-70-0	38





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Operator : JU/SJ
Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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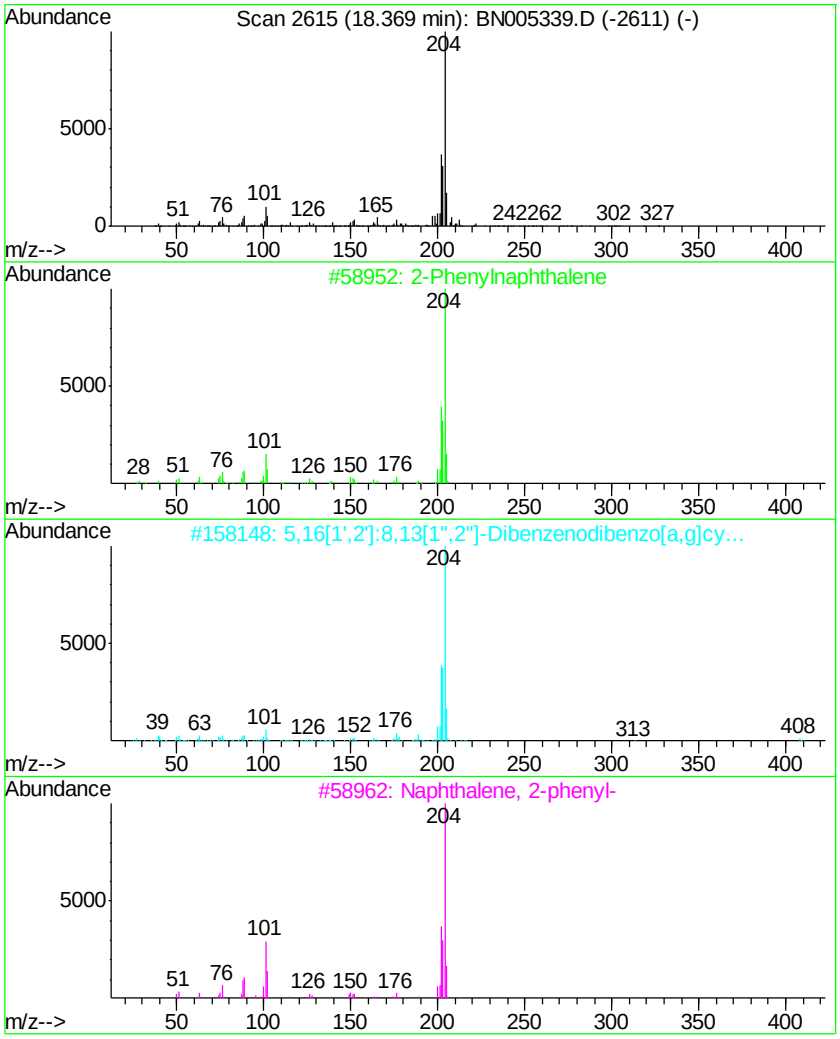
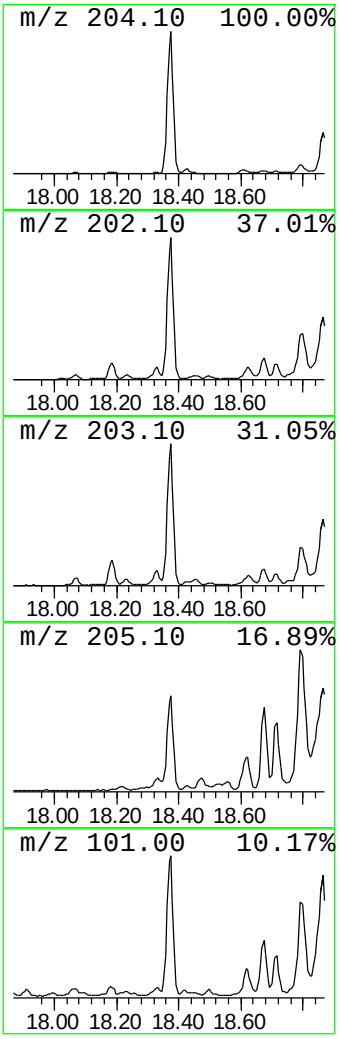
Peak Number 22 2-Phenylnaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	28.21 ng/ul	8650090	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

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Quant Title : SVOA CALIBRATION

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

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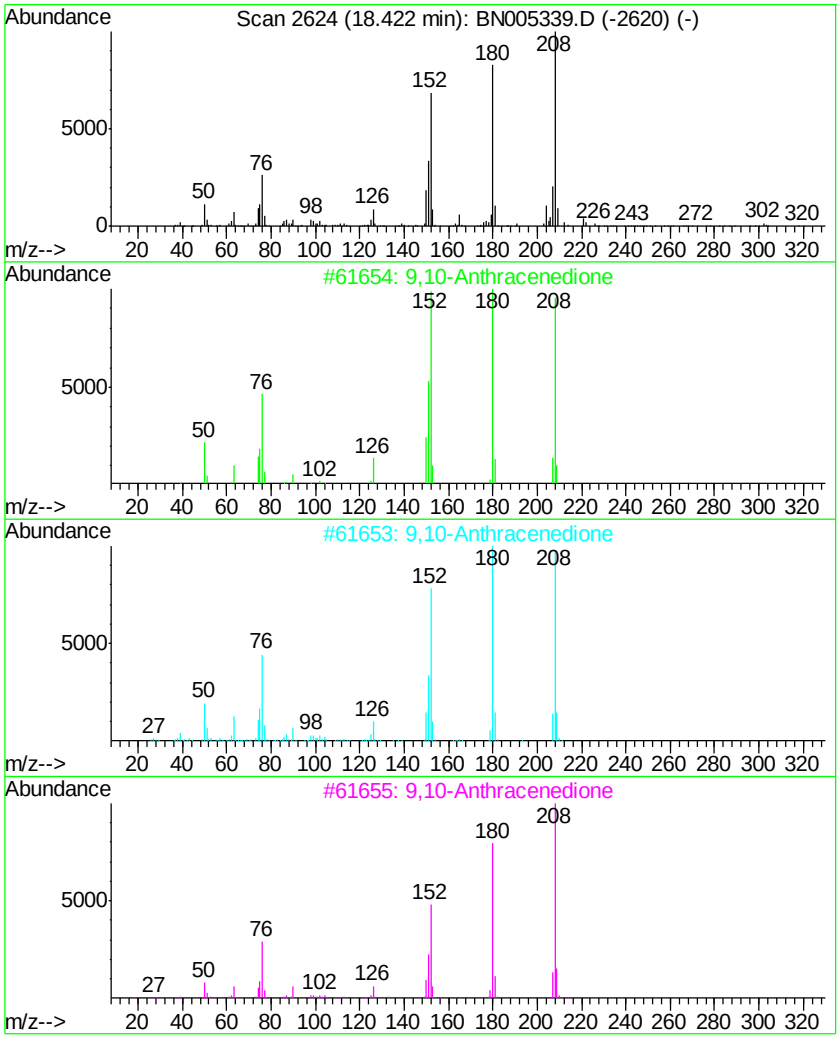
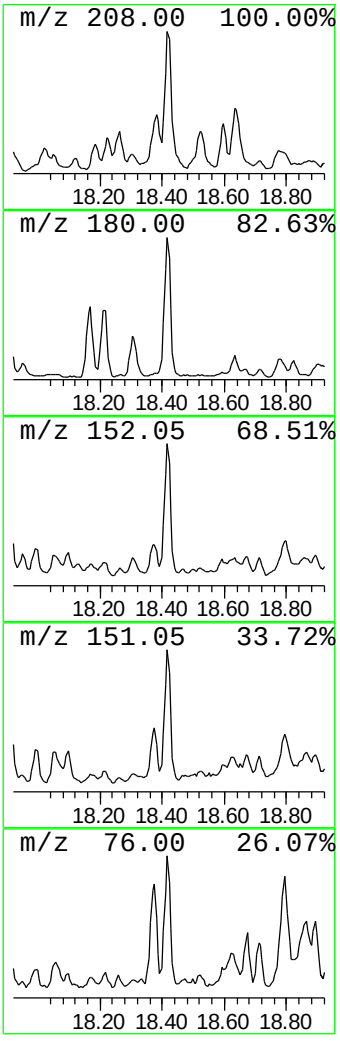
Peak Number 23 9,10-Anthracenedione Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	7.80 ng/ul	2390960	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	76
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Operator : JU/SJ
Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

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Quant Title : SVOA CALIBRATION

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

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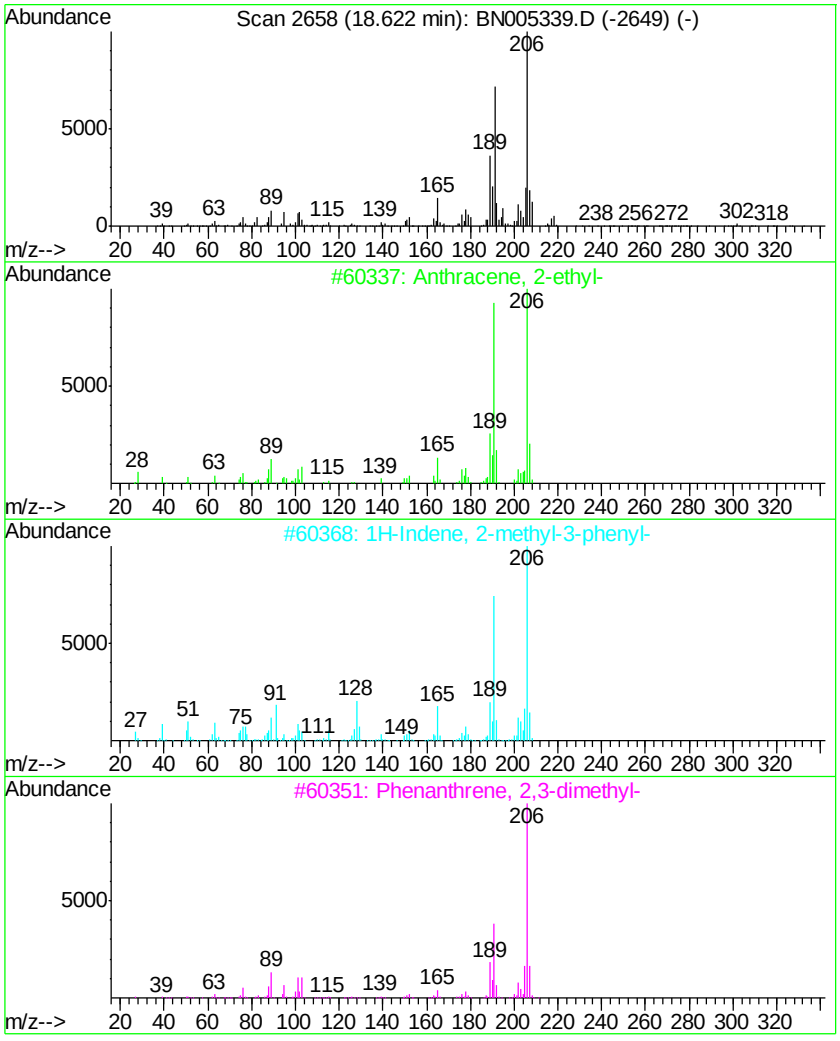
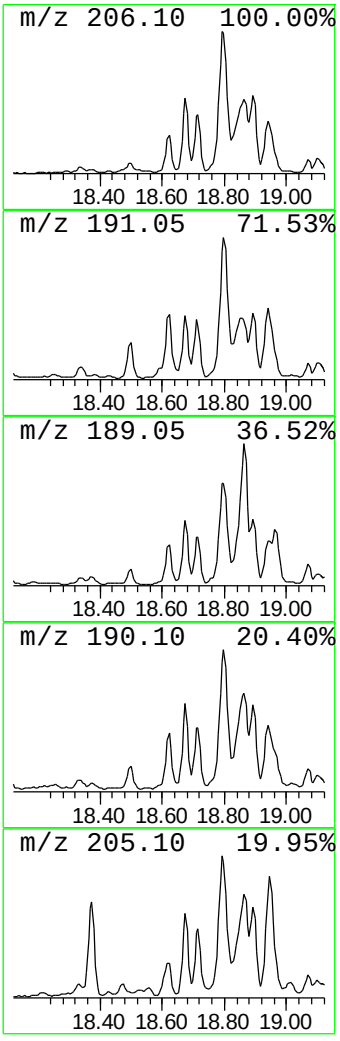
Peak Number 24 Anthracene, 2-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	19.12 ng/ul	5862340	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	92
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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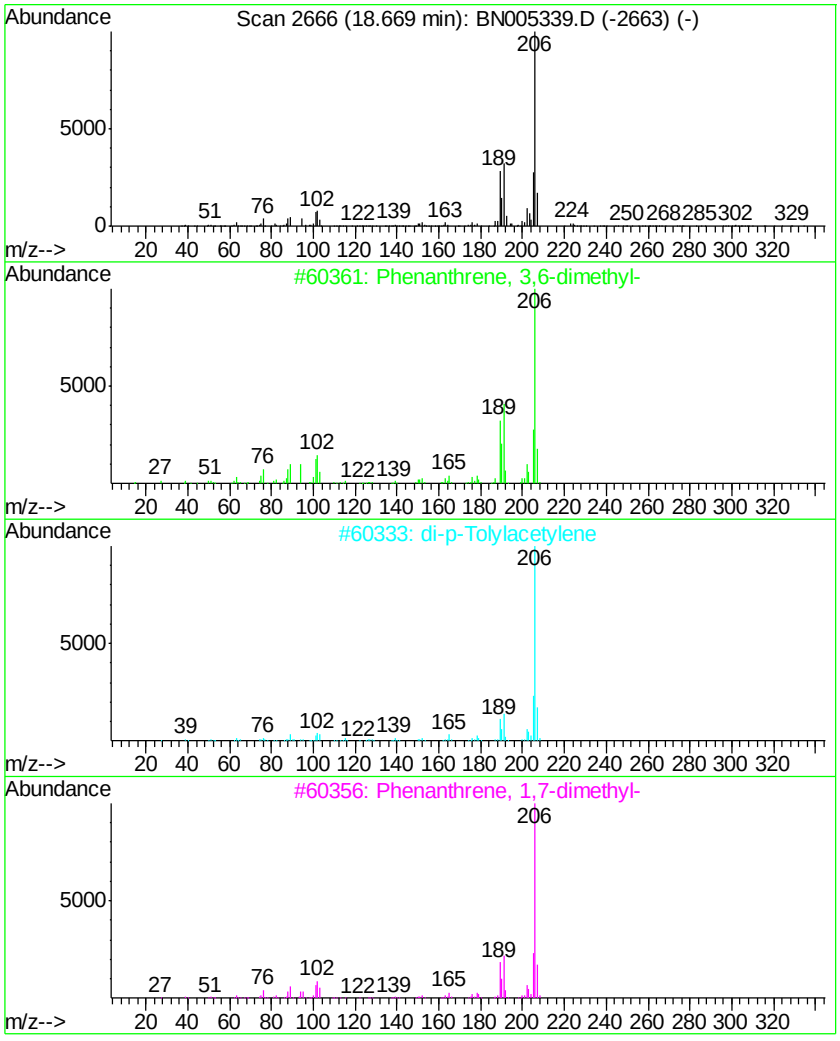
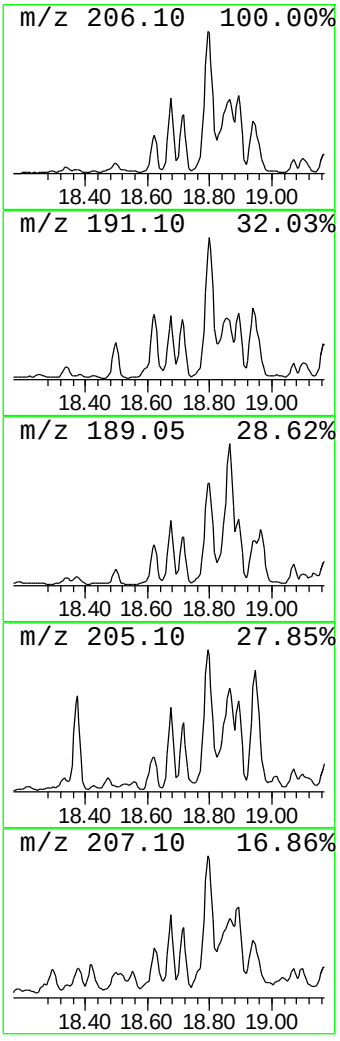
Peak Number 25 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	15.03 ng/ul	4608700	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Misc :
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Quant Title : SVOA CALIBRATION

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

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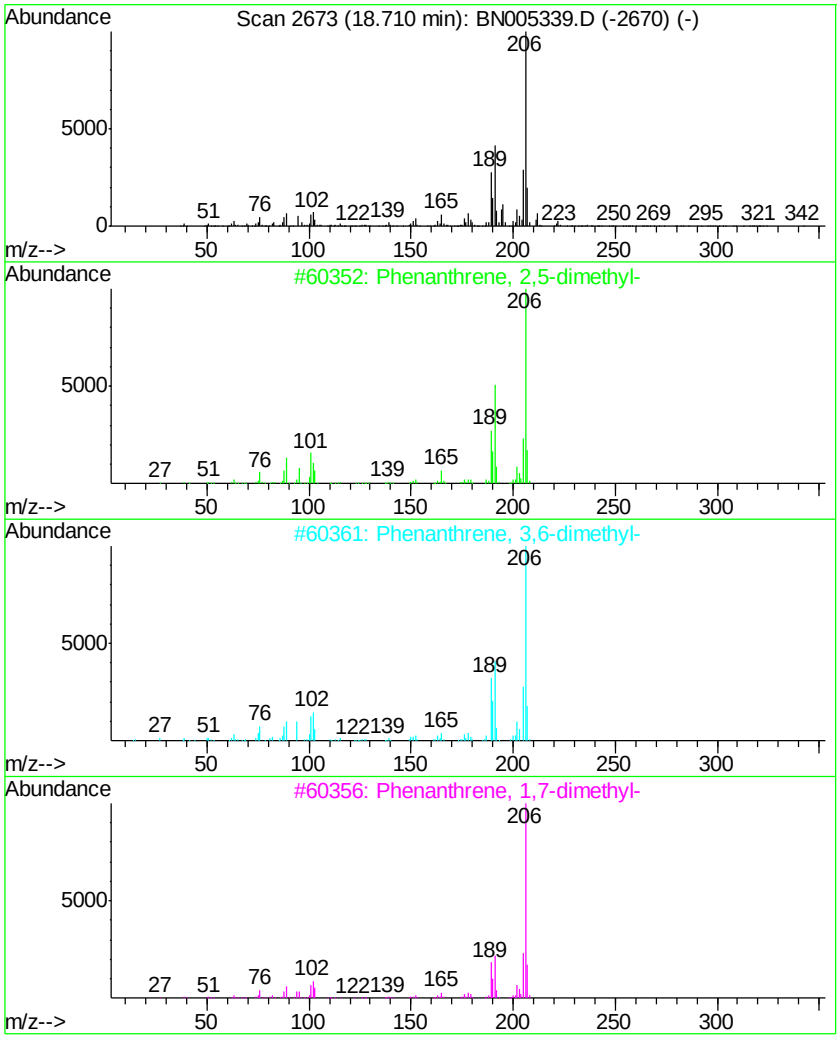
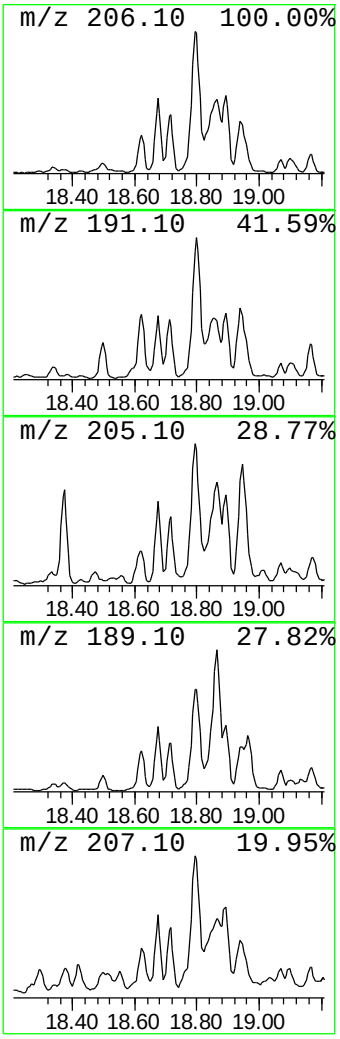
Peak Number 26 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	14.35 ng/ul	4399120	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

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Quant Title : SVOA CALIBRATION

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

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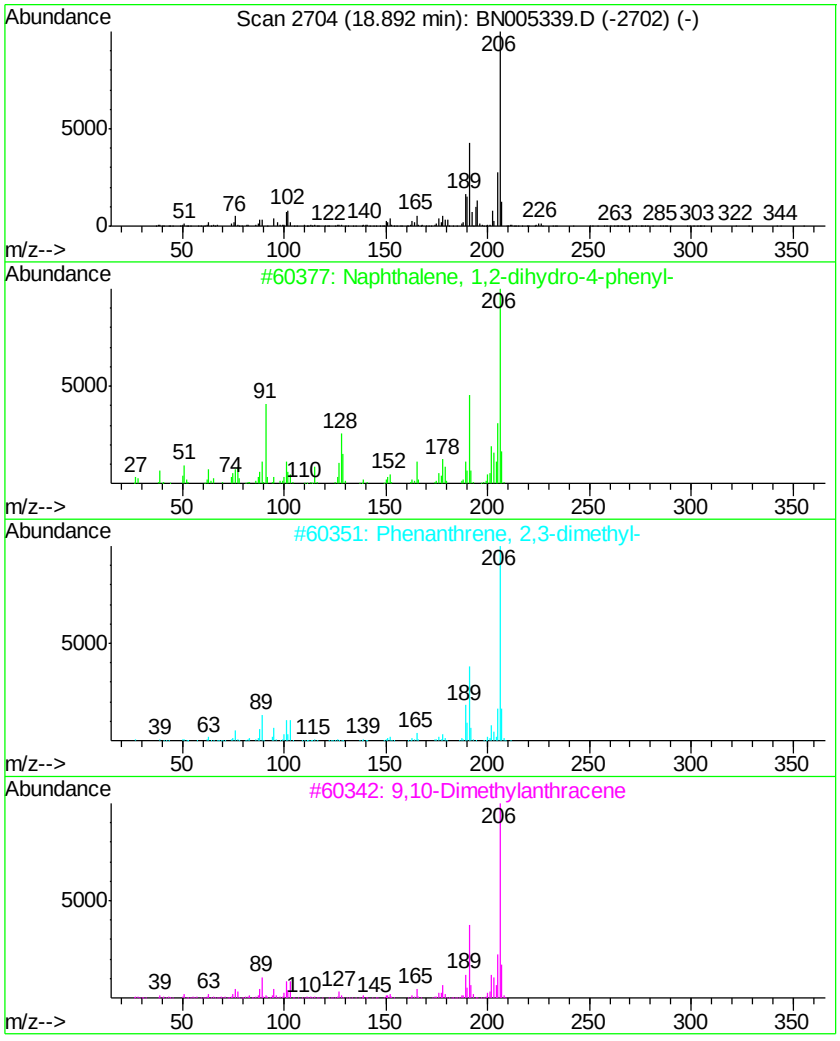
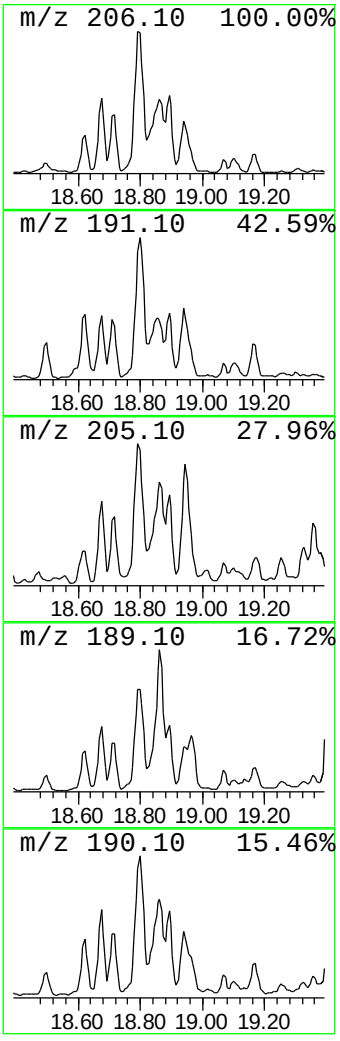
Peak Number 29 Naphthalene, 1,2-dihydro-4-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	15.82 ng/ul	4849750	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	80
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	72
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	72
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	72
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	72





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

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Quant Title : SVOA CALIBRATION

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

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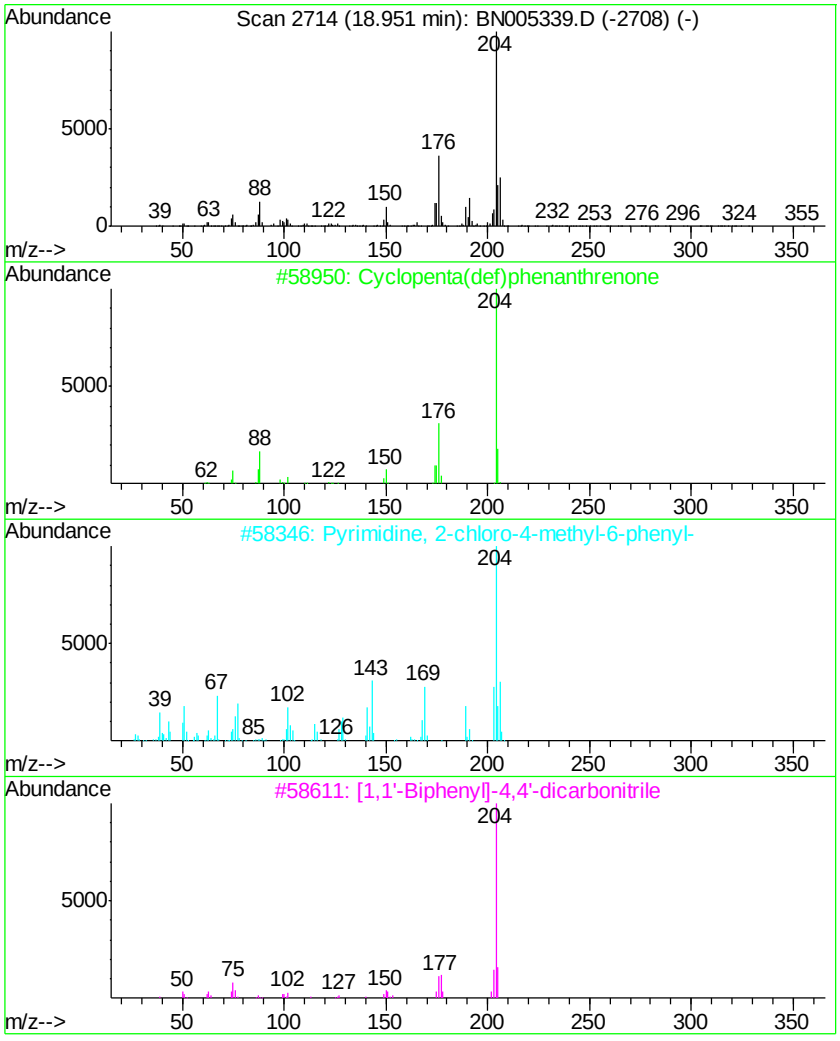
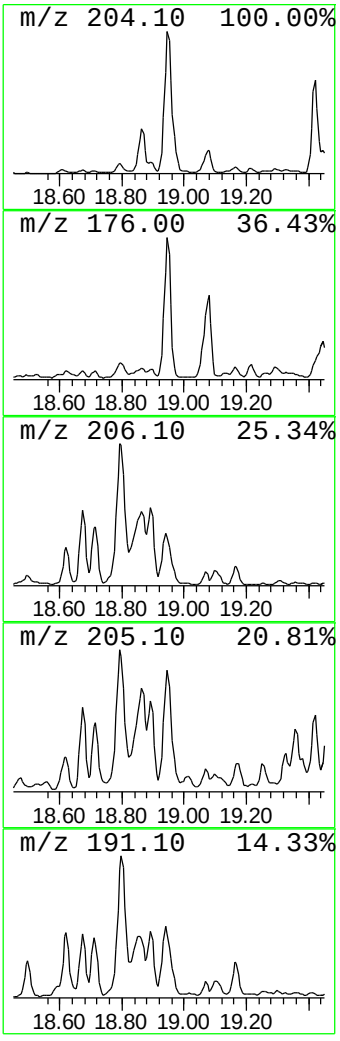
Peak Number 30 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	45.82 ng/ul	14048800	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	47
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





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Data File : BN005339.D
Acq On : 27 Apr 2019 04:33
Operator : JU/SJ
Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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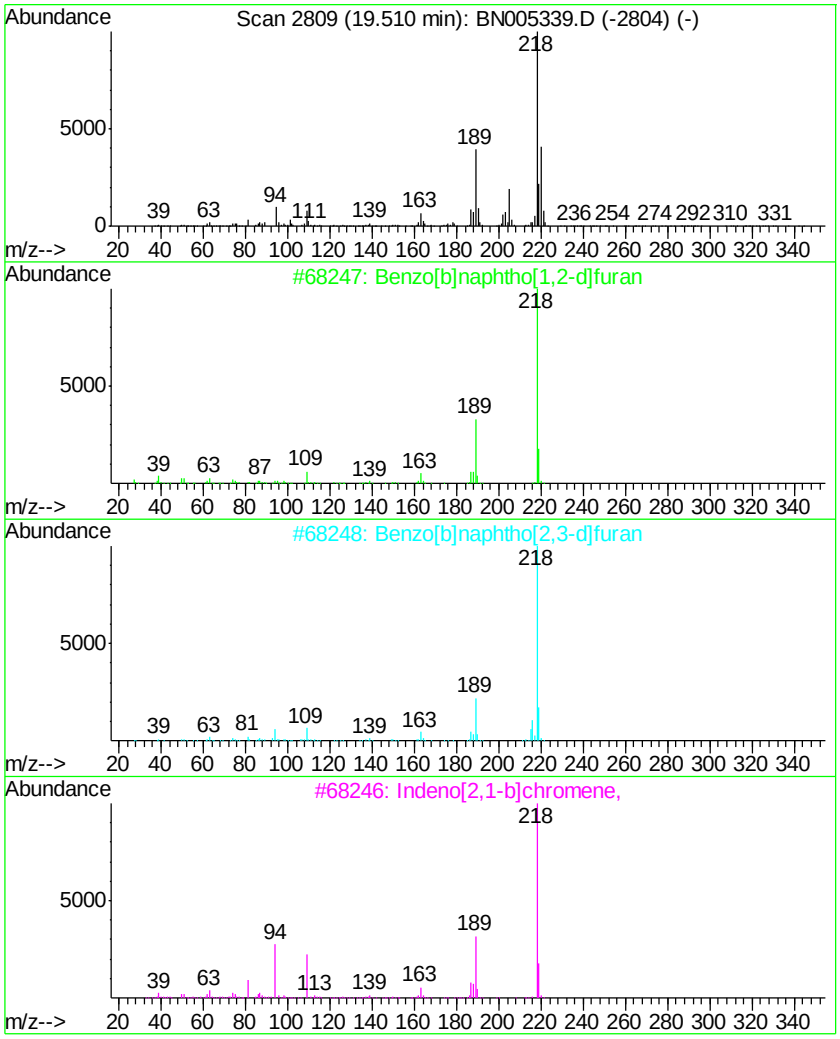
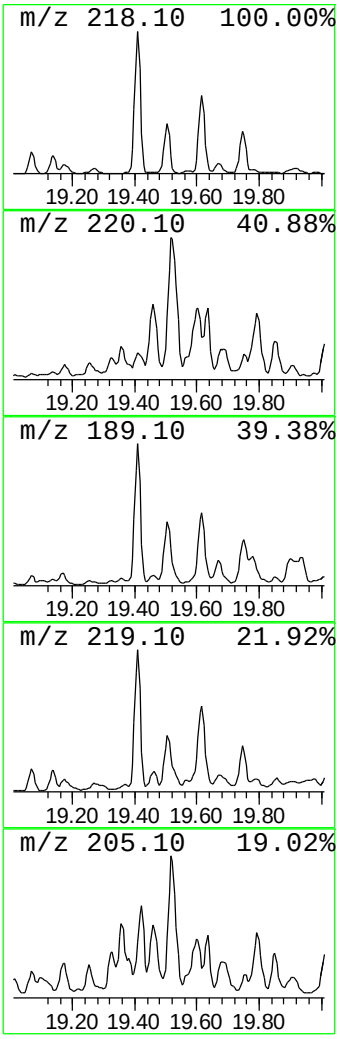
Peak Number 32 Benzo[b]naphtho[1,2-d]furan Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.51	4.12 ng/ul	10088800	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	93
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
3	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	86
4	Benzo[kl]xanthene	218	C16H10O	000200-23-7	86
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
Data File : BN005339.D
Acq On : 27 Apr 2019 04:33
Operator : JU/SJ
Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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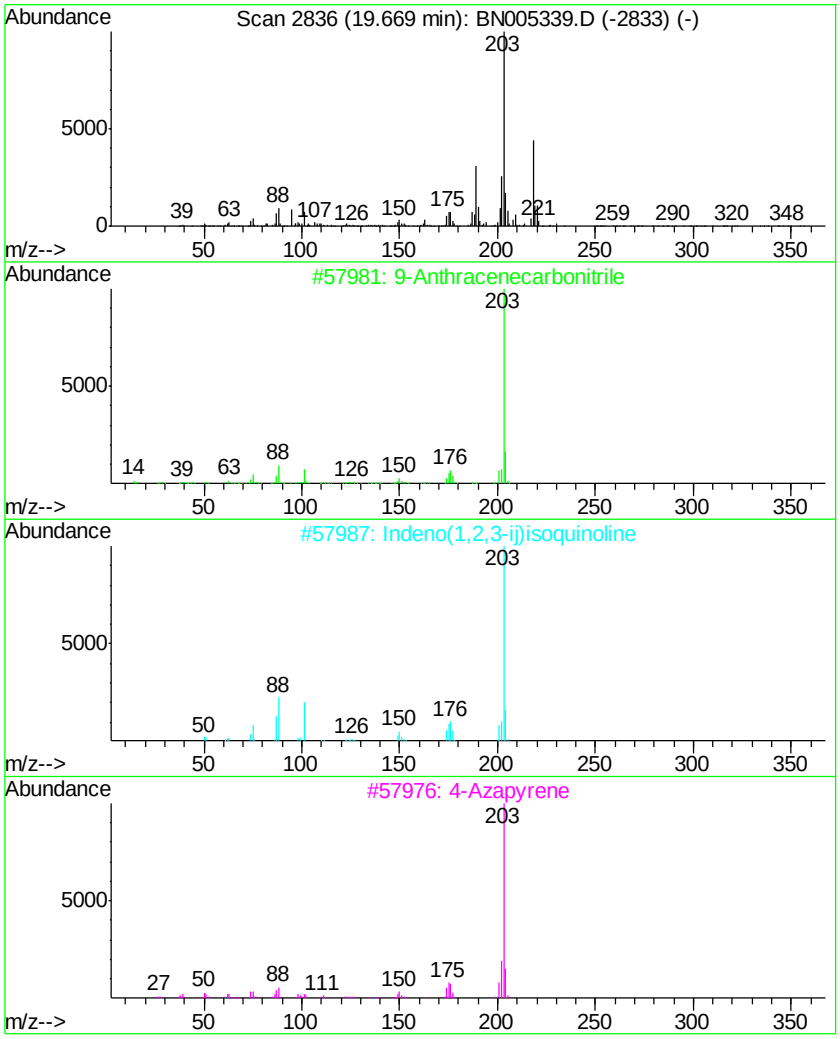
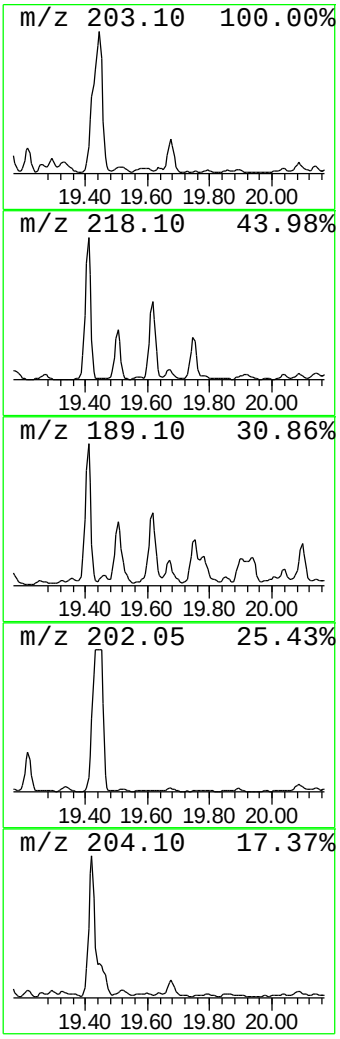
Peak Number 34 9-Anthracenecarbonitrile Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	2.11 ng/ul	5165870	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	89
2	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	87
3	4-Azapyrene	203	C15H9N	000194-03-6	86
4	4-Azapyrene	203	C15H9N	000194-03-6	55
5	4,4,9,9-Tetramethyl-4,9-disilatr...	218	C12H18Si2	1000280-67-7	53





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Data File : BN005339.D
Acq On : 27 Apr 2019 04:33
Operator : JU/SJ
Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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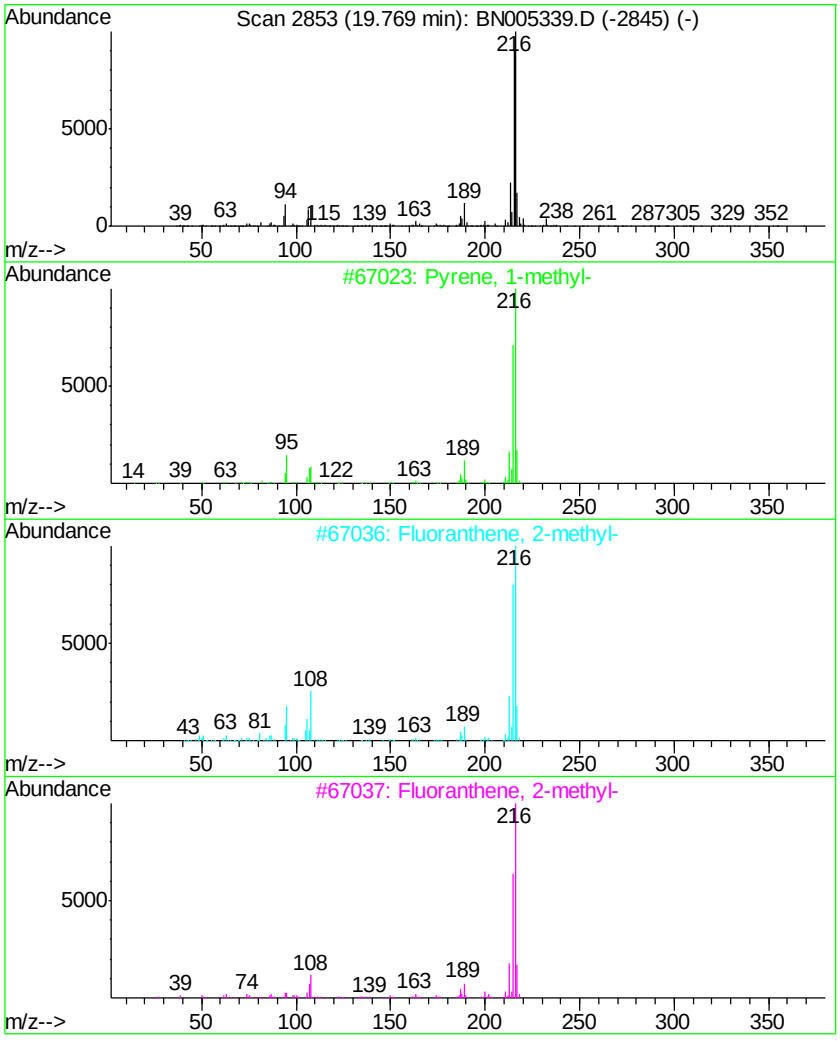
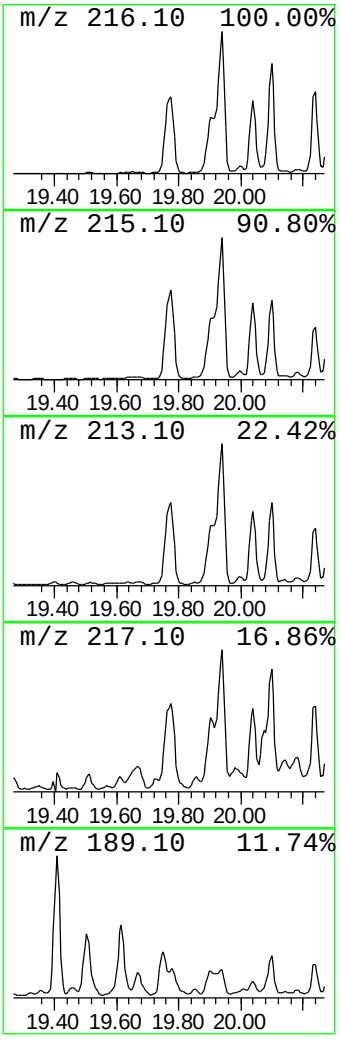
Peak Number 35 Pyrene, 1-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	7.27 ng/ul	17808700	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
Data File : BN005339.D
Acq On : 27 Apr 2019 04:33
Operator : JU/SJ
Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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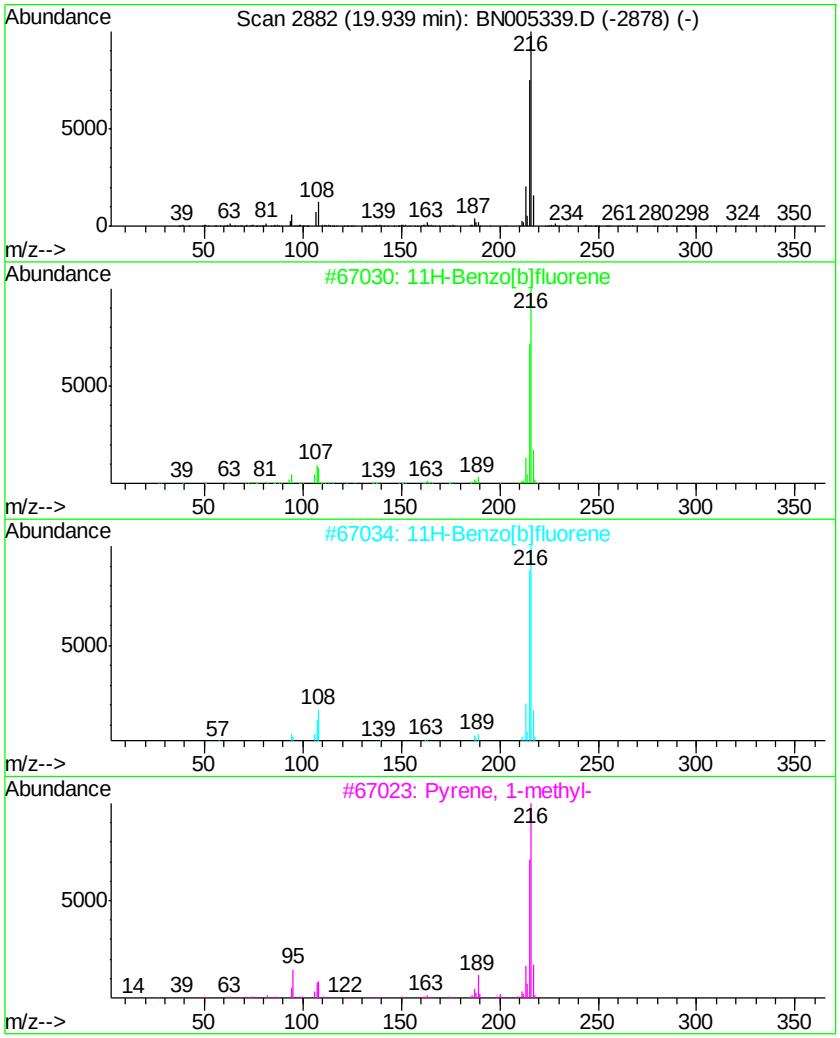
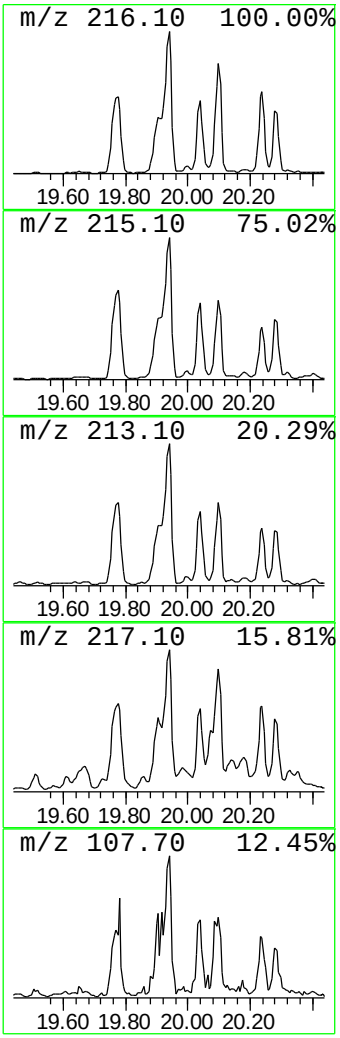
Peak Number 37 11H-Benzo[b]fluorene Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	6.11 ng/ul	14961300	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
Data File : BN005339.D
Acq On : 27 Apr 2019 04:33
Operator : JU/SJ
Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHX8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indene	8.12	15.9	ng/ul	1863060	1	7.59	2337220	20.0
Naphthalene, 1,6,...	14.85	9.1	ng/ul	2165970	3	14.23	4783040	20.0
[1,1'-Biphenyl]-4...	15.58	10.4	ng/ul	2499600	3	14.23	4783040	20.0
9H-Fluoren-9-ol	15.73	10.3	ng/ul	3170150	4	16.98	6131740	20.0
Azulene, 7-ethyl-...	15.96	5.5	ng/ul	1685740	4	16.98	6131740	20.0
9H-Fluorene, 1-me...	16.29	11.7	ng/ul	3596200	4	16.98	6131740	20.0
2,2-Dimethyl-1-ac...	16.52	16.4	ng/ul	5032350	4	16.98	6131740	20.0
8-Dimethylaminona...	16.56	8.5	ng/ul	2599870	4	16.98	6131740	20.0
9H-Fluoren-9-one	16.64	11.4	ng/ul	3510710	4	16.98	6131740	20.0
2,4,6-Trimethoxyb...	16.72	16.6	ng/ul	5100910	4	16.98	6131740	20.0
1,1'-Biphenyl, 3,...	17.17	12.1	ng/ul	3702150	4	16.98	6131740	20.0
1,1,4a-Trimethyl-...	17.51	8.1	ng/ul	2495670	4	16.98	6131740	20.0
1-Phenanthrenol	17.57	11.5	ng/ul	3536300	4	16.98	6131740	20.0
Anthrone	17.79	6.2	ng/ul	1905760	4	16.98	6131740	20.0
Phenanthrene, 2-m...	17.86	35.9	ng/ul	11004600	4	16.98	6131740	20.0
Phenanthrene, 1-m...	17.92	50.5	ng/ul	15473300	4	16.98	6131740	20.0
1H-Cyclopropa[l]p...	18.00	32.5	ng/ul	9976430	4	16.98	6131740	20.0
4H-Cyclopenta[def...	18.06	70.0	ng/ul	21463500	4	16.98	6131740	20.0
Anthracene, 9-(2-...	18.33	5.1	ng/ul	1574790	4	16.98	6131740	20.0
2-Phenylnaphthalene	18.37	28.2	ng/ul	8650090	4	16.98	6131740	20.0
9,10-Anthracenedione	18.42	7.8	ng/ul	2390960	4	16.98	6131740	20.0
Anthracene, 2-ethyl-	18.62	19.1	ng/ul	5862340	4	16.98	6131740	20.0
Phenanthrene, 3,6...	18.67	15.0	ng/ul	4608700	4	16.98	6131740	20.0
Phenanthrene, 2,5...	18.71	14.4	ng/ul	4399120	4	16.98	6131740	20.0
Naphthalene, 1,2-...	18.89	15.8	ng/ul	4849750	4	16.98	6131740	20.0
Cyclopenta(def)ph...	18.95	45.8	ng/ul	14048800	4	16.98	6131740	20.0
Benzo[b]naphtho[1...	19.51	4.1	ng/ul	10088800	5	21.23	48999000	20.0
9-Anthracenecarbo...	19.67	2.1	ng/ul	5165870	5	21.23	48999000	20.0
Pyrene, 1-methyl-	19.77	7.3	ng/ul	17808700	5	21.23	48999000	20.0
11H-Benzo[b]fluorene	19.94	6.1	ng/ul	14961300	5	21.23	48999000	20.0