LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060119\
Data File : BN006022.D
Acq On : 02 Jun 2019 08:59
Operator : JU/SJ
Sample : K2928-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42C7

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-BN052819MA.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	6.895	628	636	652	rBV	1553155	2781117	12.07%	0.729%
2	7.066	658	665	677	rBV	1304290	2121369	9.21%	0.556%
3	7.260	691	698	706	rBV	1759819	2698710	11.72%	0.707%
4	7.724	770	777	785	rBV	2000754	3262528	14.16%	0.855%
5	8.430	890	897	905	rBV	1807803	2919855	12.68%	0.765%
6	8.883	967	974	982	rBV	1620378	2644972	11.48%	0.693%
7	9.601	1089	1096	1109	rBV	1300393	2221192	9.64%	0.582%
8	10.142	1177	1188	1198	rBV	1908158	3310689	14.37%	0.867%
9	10.518	1243	1252	1257	rBV	2763925	4723388	20.51%	1.237%
10	10.654	1271	1275	1288	rVB	790431	1475566	6.41%	0.387%
11	13.789	1803	1808	1813	rVV	3258449	4757452	20.66%	1.246%
12	13.836	1813	1816	1825	rVB	1453641	2006273	8.71%	0.526%
13	14.077	1850	1857	1873	rBV2	3796021	6999412	30.39%	1.834%
14	14.383	1899	1909	1916	rBV2	3719389	5912221	25.67%	1.549%
15	14.589	1938	1944	1951	rBV	998968	1812374	7.87%	0.475%
16	14.783	1972	1977	1985	rVV	466640	821870	3.57%	0.215%
17	15.006	2007	2015	2020	rBV	413375	790362	3.43%	0.207%
18	15.177	2037	2044	2048	rBV3	328245	702916	3.05%	0.184%
19	15.383	2073	2079	2084	rVB	4435420	6243118	27.11%	1.635%
20	16.024	2184	2188	2194	rVV	585490	906284	3.93%	0.237%
21	16.112	2198	2203	2210	rVB3	872574	1564743	6.79%	0.410%
22	16.447	2252	2260	2264	rBV3	400679	891800	3.87%	0.234%
23	16.671	2290	2298	2301	rBV3	502298	1123163	4.88%	0.294%
24	16.794	2315	2319	2325	rVB2	490621	827148	3.59%	0.217%
25	16.871	2326	2332	2334	rVV5	477880	866780	3.76%	0.227%
26	16.900	2334	2337	2342	rVV3	632007	959388	4.17%	0.251%
27	16.953	2342	2346	2355	rVB2	586087	1102168	4.79%	0.289%
28	17.141	2372	2378	2381	rBV2	3670790	5505019	23.90%	1.442%
29	17.183	2381	2385	2390	rVV	6757160	9569600	41.55%	2.507%
30	17.236	2390	2394	2398	rVV2	4247566	6253431	27.15%	1.638%
31	17.271	2398	2400	2405	rVB	1913175	2261308	9.82%	0.592%
32	17.324	2405	2409	2415	rBV3	618484	1212631	5.26%	0.318%
33	17.547	2443	2447	2450	rBV	503713	859403	3.73%	0.225%
34	17.718	2472	2476	2485	rVB2	972776	1577632	6.85%	0.413%

LSC Area Percent Report

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Sample : K2928-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42C7

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-BN052819MA.M
Title : SVOA CALIBRATION

35	18.018	2522	2527	2531	rVV	2787841	4173012	18.12%	1.093%
36	18.065	2531	2535	2541	rVB	3531569	5277514	22.91%	1.382%
37	18.147	2544	2549	2553	rBV	1374640	2041874	8.87%	0.535%
38	18.212	2554	2560	2564	rVV3	4141973	7783067	33.79%	2.039%
39	18.253	2564	2567	2573	rVB	2597774	3486420	15.14%	0.913%
40	18.336	2577	2581	2584	rBV	897893	1162329	5.05%	0.304%
41	18.418	2591	2595	2599	rVB2	815306	1179725	5.12%	0.309%
42	18.524	2608	2613	2616	rBV2	1863913	2673217	11.61%	0.700%
43	18.571	2616	2621	2630	rVB4	1325081	2479240	10.76%	0.649%
44	18.647	2630	2634	2640	rBV	622251	1006074	4.37%	0.264%
45	18.741	2646	2650	2652	rBV2	796344	1106914	4.81%	0.290%
46	18.771	2652	2655	2659	rVV	1550575	2243985	9.74%	0.588%
47	18.818	2660	2663	2667	rVV	1358985	1986237	8.62%	0.520%
48	18.859	2667	2670	2674	rVB2	1081467	1408872	6.12%	0.369%
49	18.947	2679	2685	2689	rBV	3874695	6797293	29.51%	1.781%
50	19.035	2698	2700	2704	rVB	1219484	1424548	6.18%	0.373%
51	19.088	2704	2709	2716	rBV3	2186578	4442553	19.29%	1.164%
52	19.218	2725	2731	2736	rVB	14328488	21285476	92.41%	5.576%
53	19.277	2737	2741	2744	rBV2	831392	1163766	5.05%	0.305%
54	19.312	2744	2747	2751	rVB3	1087903	1423352	6.18%	0.373%
55	19.412	2761	2764	2768	rVV2	574827	767029	3.33%	0.201%
56	19.459	2768	2772	2775	rVV2	925112	1248756	5.42%	0.327%
57	19.488	2775	2777	2782	rVB2	942267	1166882	5.07%	0.306%
58	19.547	2782	2787	2789	rBV2	6085583	9019927	39.16%	2.363%
59	19.583	2789	2793	2800	rVB	14616023	23032599	100.00%	6.033%
60	19.653	2800	2805	2811	rVB3	1787004	3157133	13.71%	0.827%
61	19.753	2818	2822	2829	rVB2	849219	1593485	6.92%	0.417%
62	19.812	2829	2832	2838	rVB2	1234223	2075901	9.01%	0.544%
63	19.900	2842	2847	2859	rBV5	2504990	6573959	28.54%	1.722%
64	19.988	2859	2862	2866	rBV2	614637	896706	3.89%	0.235%
65	20.041	2866	2871	2873	rBV4	1815262	3036750	13.18%	0.795%
66	20.071	2874	2876	2886	rVB	2993242	4501734	19.55%	1.179%
67	20.177	2891	2894	2898	rVV	1445379	1845326	8.01%	0.483%
68	20.235	2899	2904	2908	rVV2	2988235	4683957	20.34%	1.227%
69	20.277	2908	2911	2915	rVB2	642167	787898	3.42%	0.206%
70	20.318	2915	2918	2923	rBV4	594835	838780	3.64%	0.220%
71	20.377	2924	2928	2932	rBV	2456195	3317568	14.40%	0.869%

LSC Area Percent Report

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Sample : K2928-13
Misc :
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Instrument : BNA_N
ClientSampleId : A42C7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Title : SVOA CALIBRATION

72	20.424	2932	2936	2940	rVB	2438408	3065712	13.31%	0.803%
73	20.541	2953	2956	2960	rVB2	700958	993874	4.32%	0.260%
74	20.741	2988	2990	2994	rVB4	688018	701912	3.05%	0.184%
75	20.830	3001	3005	3011	rVB	2615086	3967583	17.23%	1.039%
76	21.000	3027	3034	3037	rBV3	2305275	4684649	20.34%	1.227%
77	21.035	3037	3040	3043	rVV	2318331	2850279	12.37%	0.747%
78	21.071	3043	3046	3052	rVV3	1885618	3772435	16.38%	0.988%
79	21.135	3052	3057	3063	rVB2	2121124	3560881	15.46%	0.933%
80	21.347	3087	3093	3098	rBV2	9957790	19670739	85.40%	5.153%
81	21.394	3098	3101	3111	rVB	9747416	14007530	60.82%	3.669%
82	21.471	3111	3114	3117	rBV2	858652	1089376	4.73%	0.285%
83	21.512	3118	3121	3127	rBV3	1288536	1829751	7.94%	0.479%
84	21.677	3145	3149	3153	rBV4	885283	1405030	6.10%	0.368%
85	21.718	3154	3156	3160	rVB2	751973	927037	4.02%	0.243%
86	21.859	3177	3180	3183	rBV	757511	889276	3.86%	0.233%
87	21.918	3183	3190	3193	rVV	3038119	5165078	22.43%	1.353%
88	21.971	3193	3199	3205	rVB2	1973008	3898740	16.93%	1.021%
89	22.035	3207	3210	3213	rVB2	865031	1120350	4.86%	0.293%
90	22.118	3220	3224	3227	rBV	1463343	2052271	8.91%	0.538%
91	22.218	3237	3241	3251	rVB2	1304654	2156890	9.36%	0.565%
92	22.965	3360	3368	3373	rBV2	6712457	18688828	81.14%	4.896%
93	23.135	3393	3397	3402	rVB	1494336	2277717	9.89%	0.597%
94	23.453	3445	3451	3456	rBV	4024219	7610638	33.04%	1.994%
95	23.506	3456	3460	3463	rVV	2211036	4033257	17.51%	1.057%
96	23.553	3463	3468	3475	rVB	6307425	11814007	51.29%	3.095%
97	23.647	3479	3484	3488	rVV	1985776	3854453	16.73%	1.010%
98	23.700	3489	3493	3501	rVB3	1789832	3775406	16.39%	0.989%
99	25.965	3869	3878	3888	rVB	3384527	10022817	43.52%	2.625%
100	26.670	3991	3998	4008	rVB2	1775114	5088256	22.09%	1.333%

Sum of corrected areas: 381750512

LSC Report - Integrated Chromatogram

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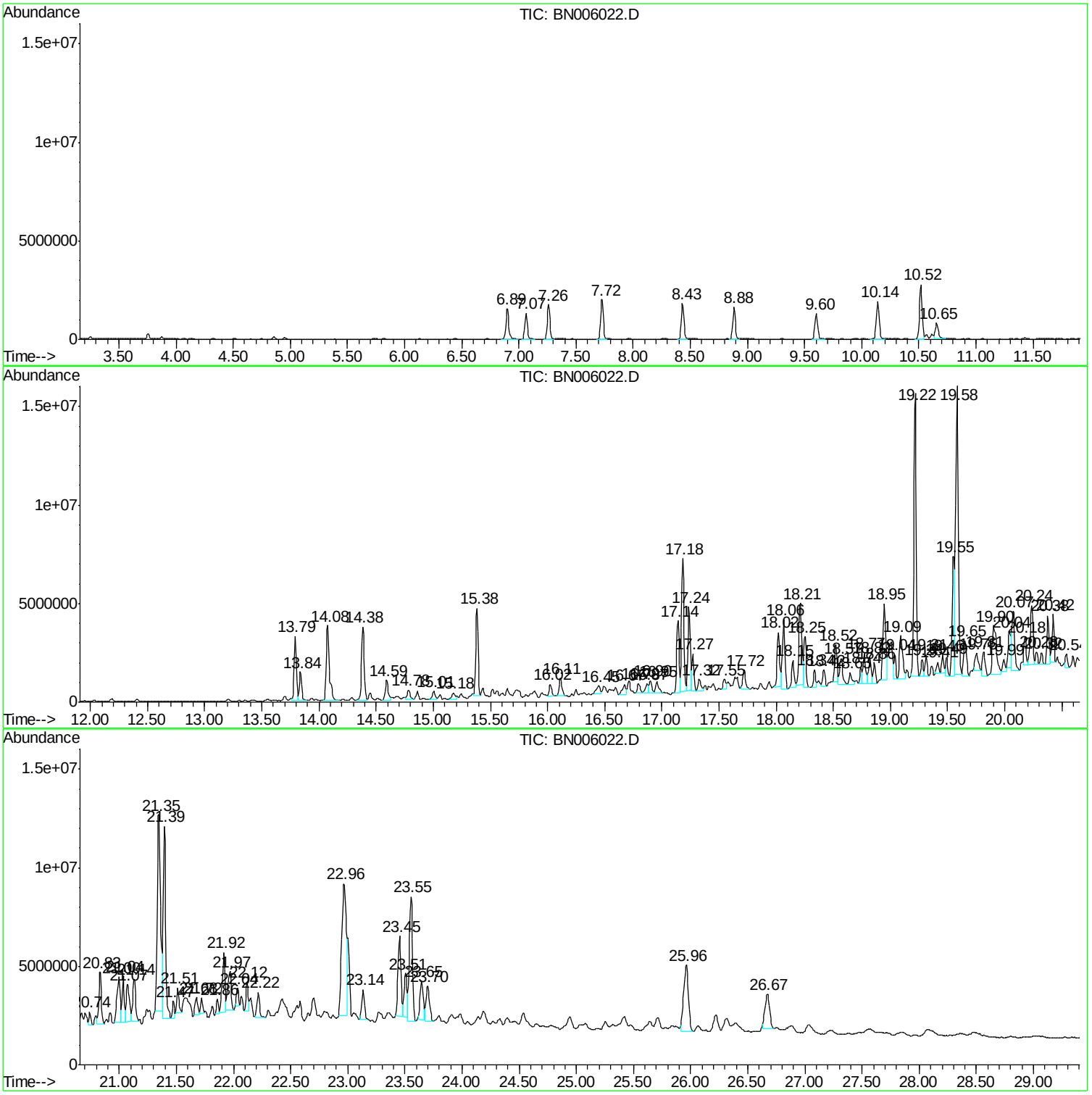
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42C7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060119\
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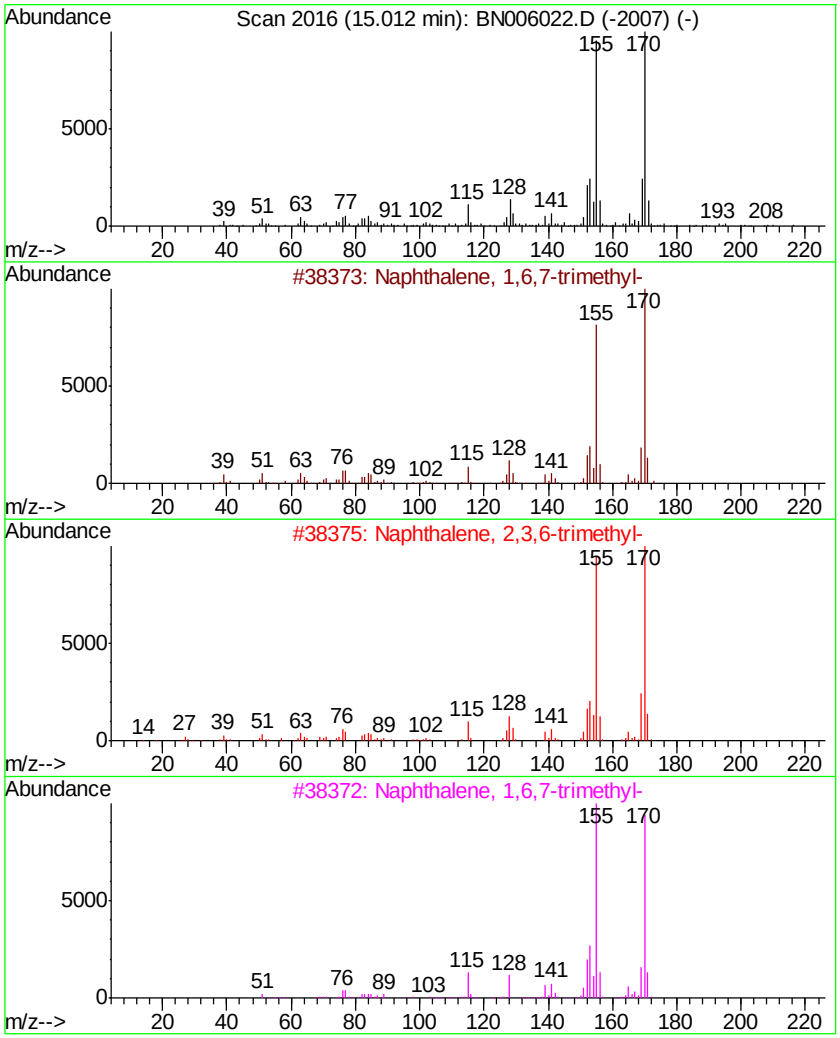
Quant Title : SVOA CALIBRATION

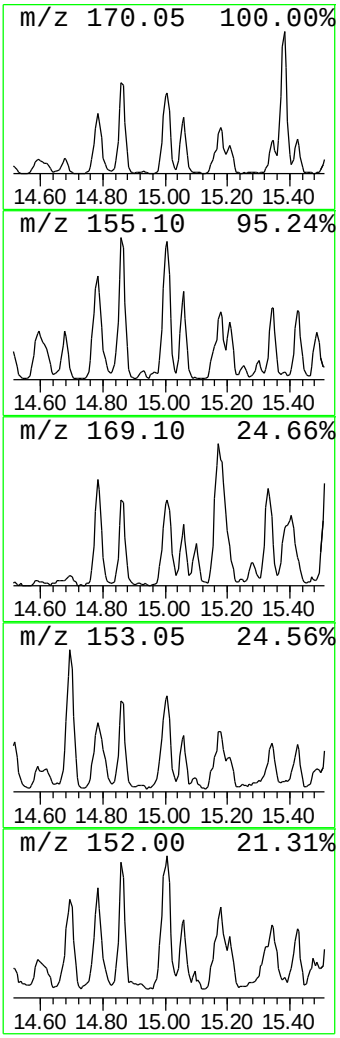
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 1,6,7-trimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	2.67 ng/ul	790362	Acenaphthene-d10	14.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060119\
Data File : BN006022.D
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42C7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

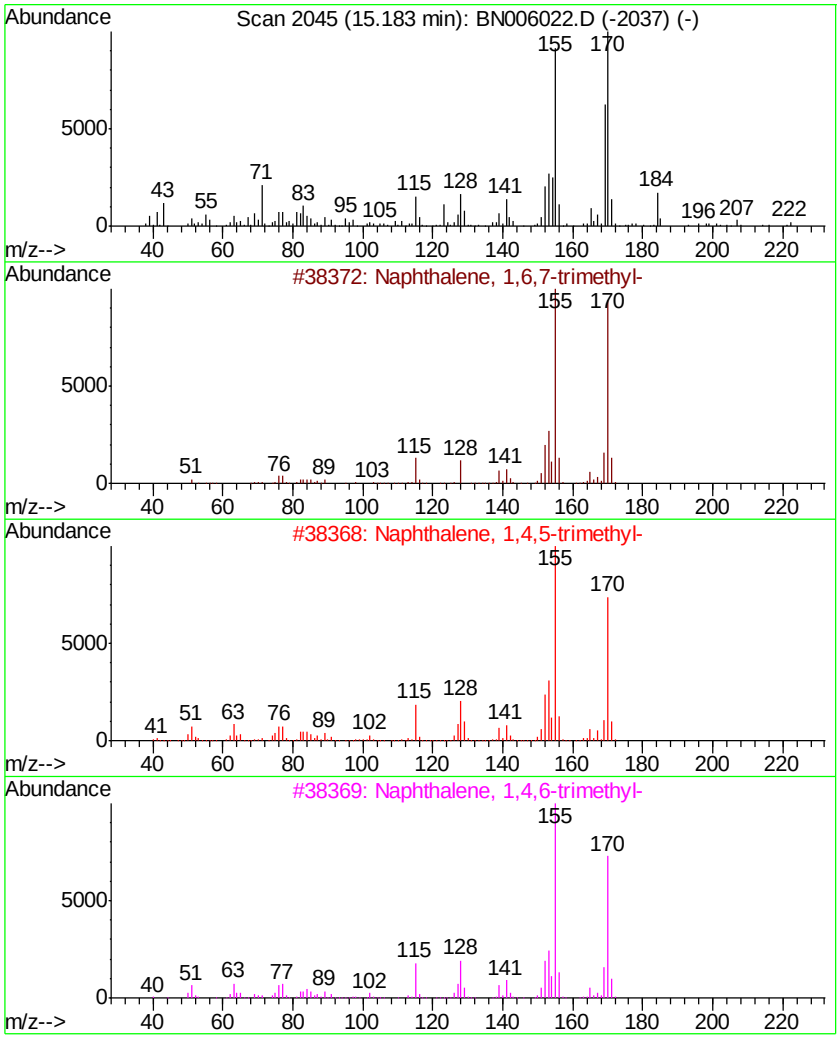
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

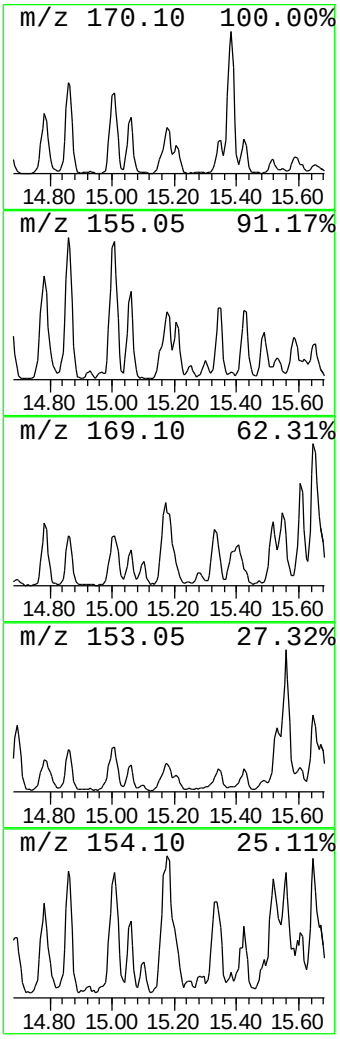
****

Peak Number 2 Naphthalene, 1,4,5-trimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	2.38 ng/ul	702916	Acenaphthene-d10	14.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	81





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Instrument : BNA_N
ClientSampleId : A42C7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

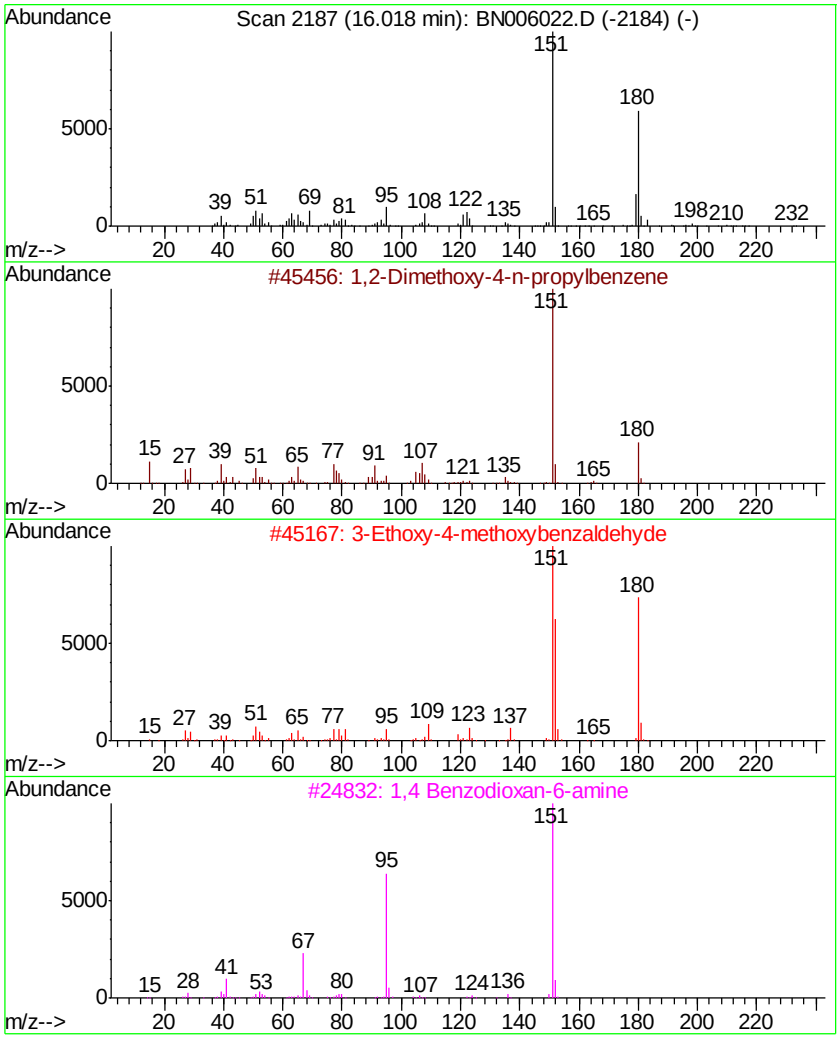
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

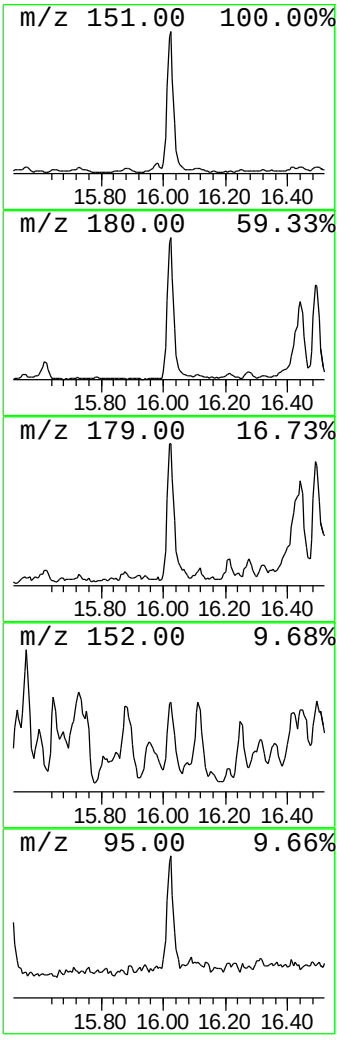
****

Peak Number 3 1,2-Dimethoxy-4-n-propylben... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	3.29 ng/ul	906284	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dimethoxy-4-n-propylbenzene	180	C11H16O2	005888-52-8	64
2	3-Ethoxy-4-methoxybenzaldehyde	180	C10H12O3	001131-52-8	50
3	1,4 Benzodioxan-6-amine	151	C8H9NO2	022013-33-8	43
4	2-Cyano-3-fluorophenylhydrazine	151	C7H6FN3	1000131-91-9	43
5	1,2-Benzisothiazol-3(2H)-one	151	C7H5NOS	002634-33-5	43





Library Search Compound Report

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Instrument : BNA_N
ClientSampleId : A42C7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

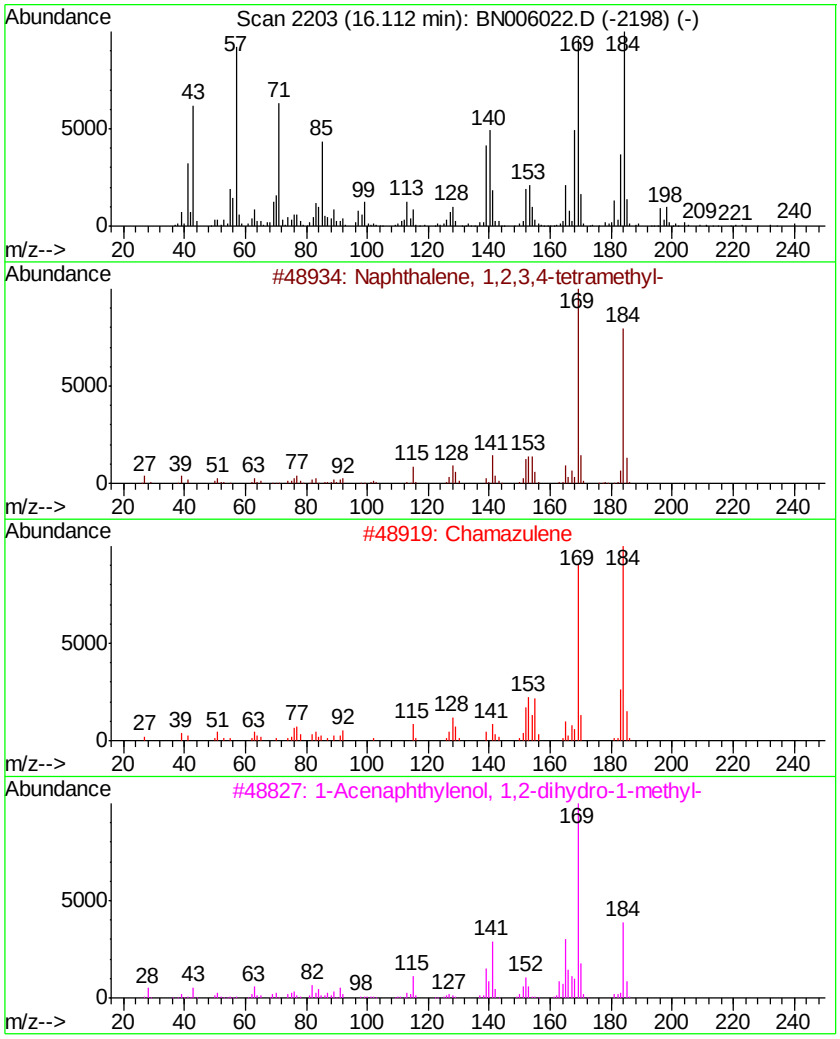
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

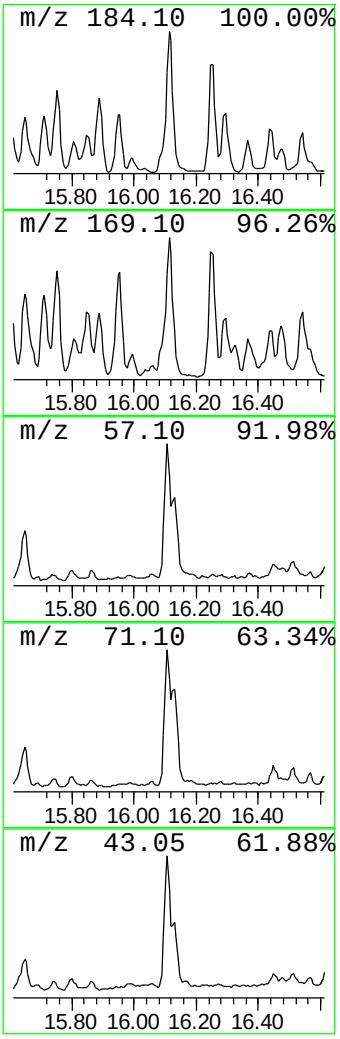
****

Peak Number 4 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	5.68 ng/ul	1564740	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	46
2	Chamazulene	184	C14H16	000529-05-5	45
3	1-Acenaphthylenol, 1,2-dihydro-1...	184	C13H12O	041002-74-8	43
4	3,4-Dimethoxy-6-methylpyrocatechol	184	C9H12O4	054826-79-8	43
5	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	41





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Misc :
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Instrument : BNA_N
ClientSampleId : A42C7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

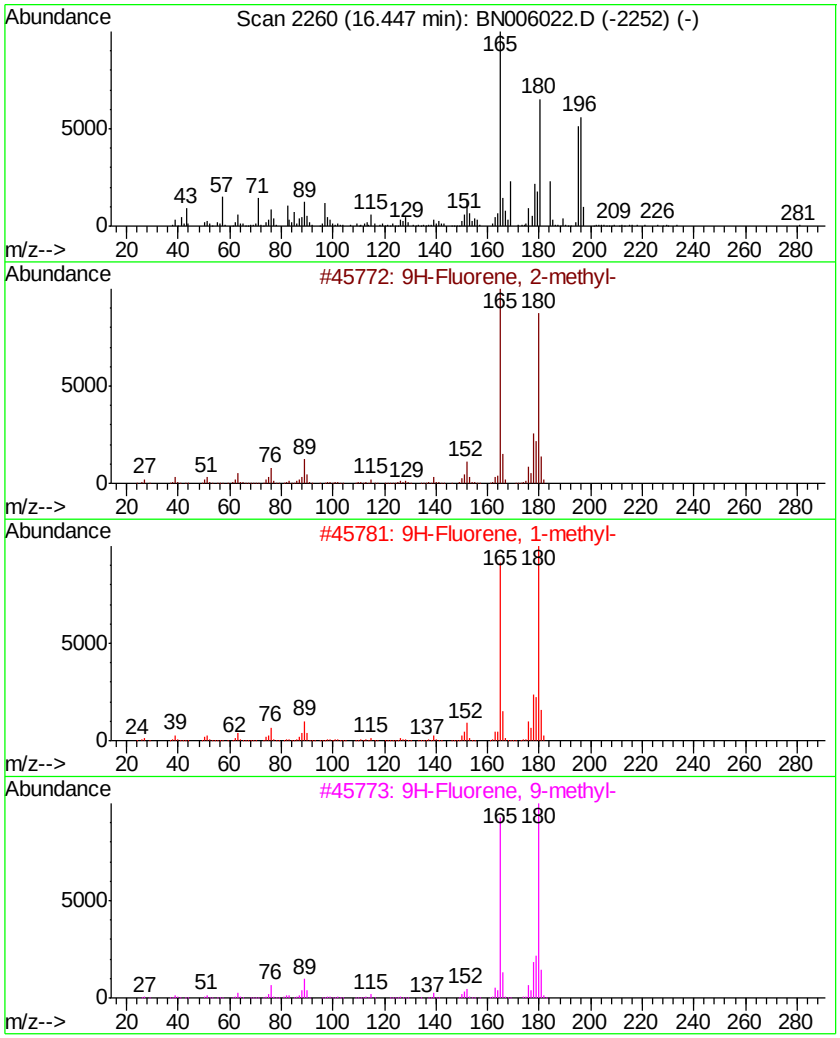
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

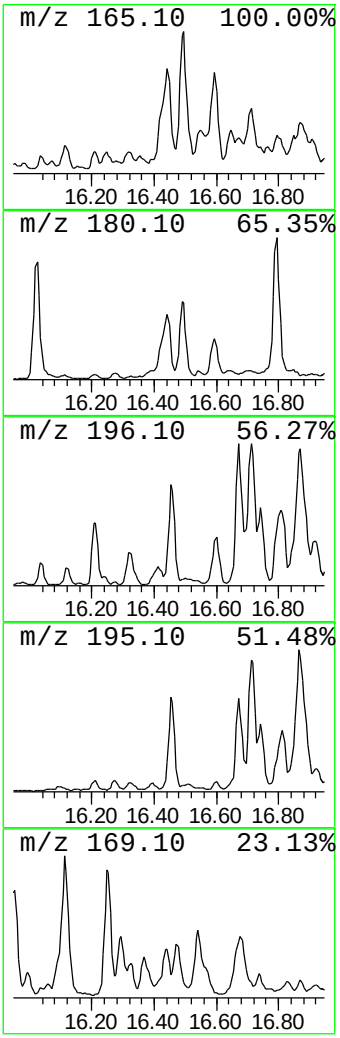
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	3.24 ng/ul	891800	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	83
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	60
5	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	49





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Sample : K2928-13
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Quant Title : SVOA CALIBRATION

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

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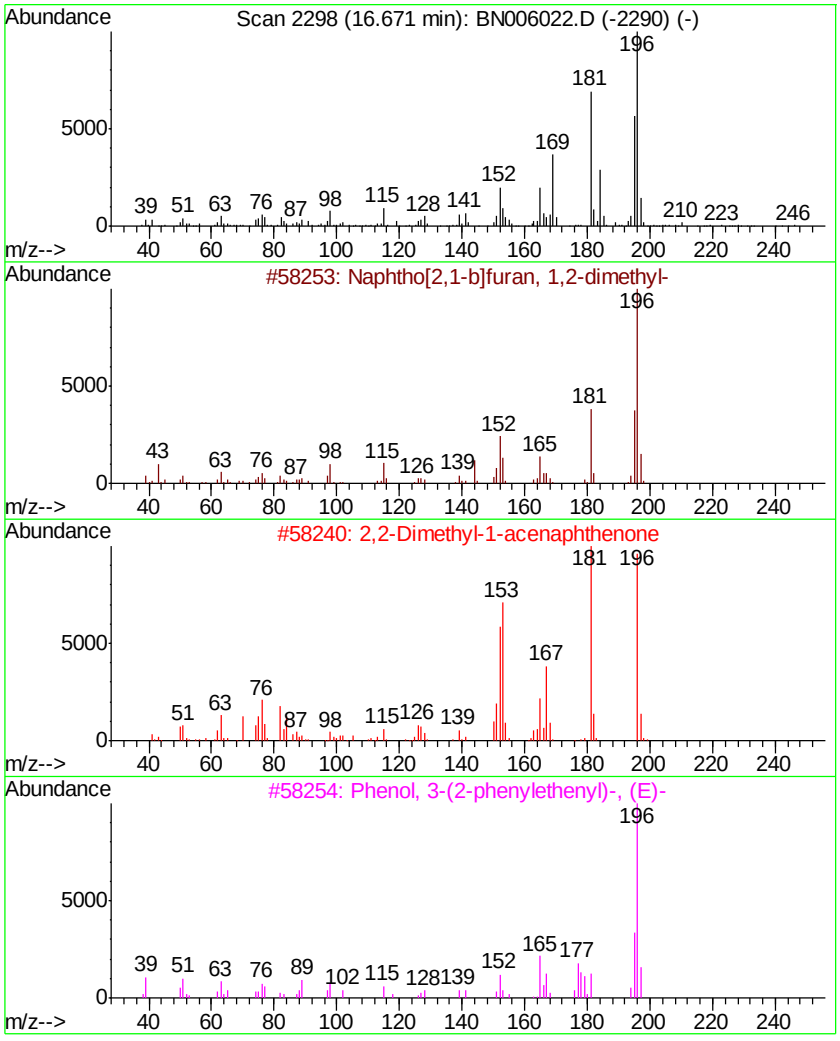
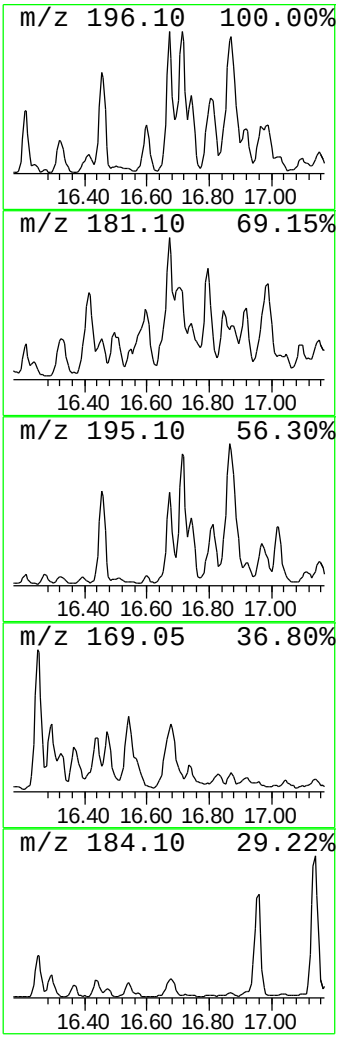
Peak Number 6 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	4.08 ng/ul	1123160	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	91
2	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	49
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	47
4	Benzene, 1,1'-methylenebis[3-met...	196	C15H16	021895-14-7	43
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	43





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Quant Title : SVOA CALIBRATION

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

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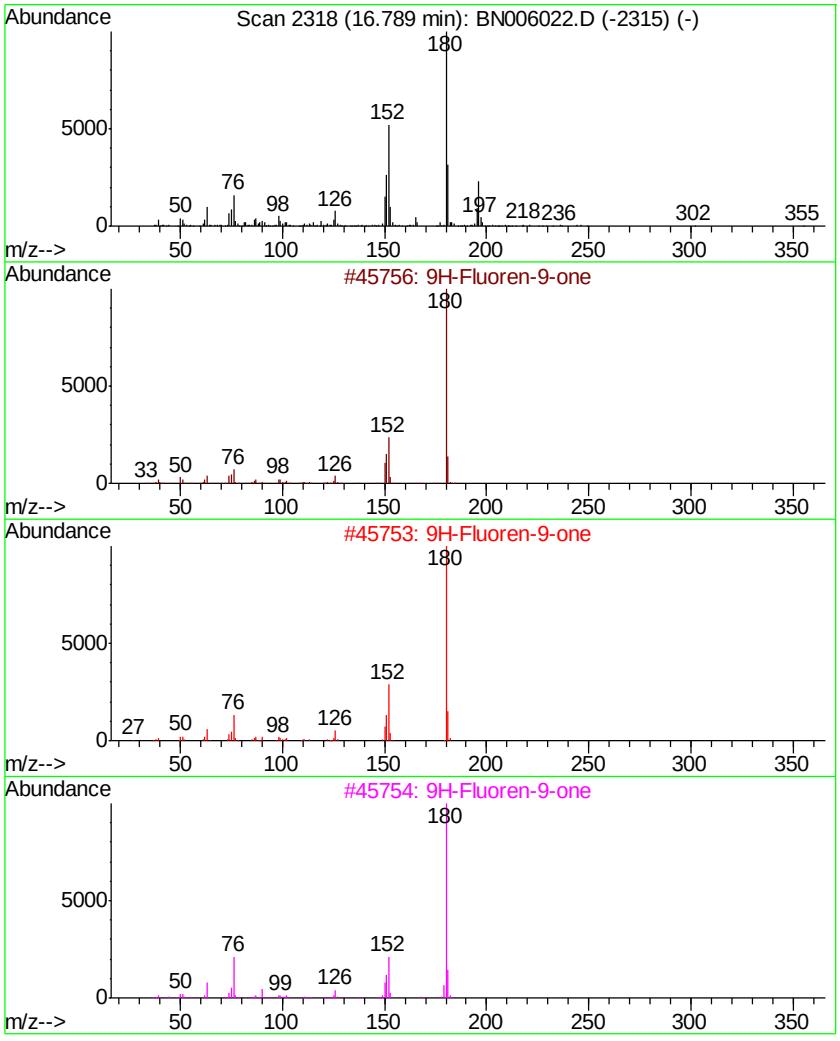
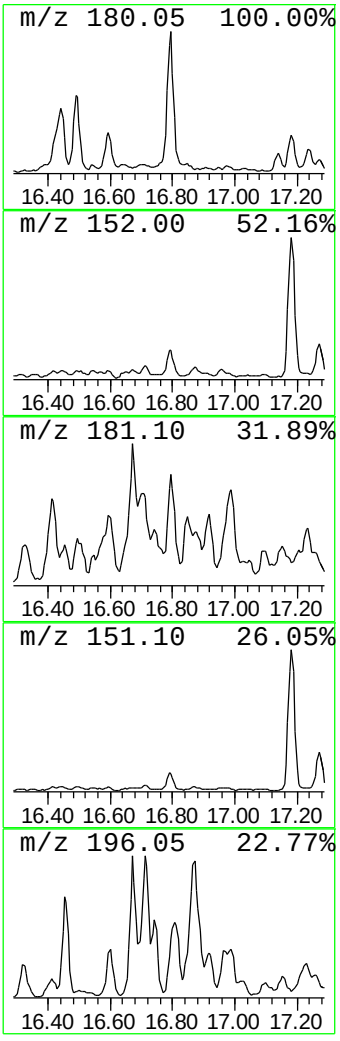
Peak Number 7 9H-Fluoren-9-one Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	3.01 ng/ul	827148	Phenanthrene-d10	17.14

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	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	59





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Quant Title : SVOA CALIBRATION

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

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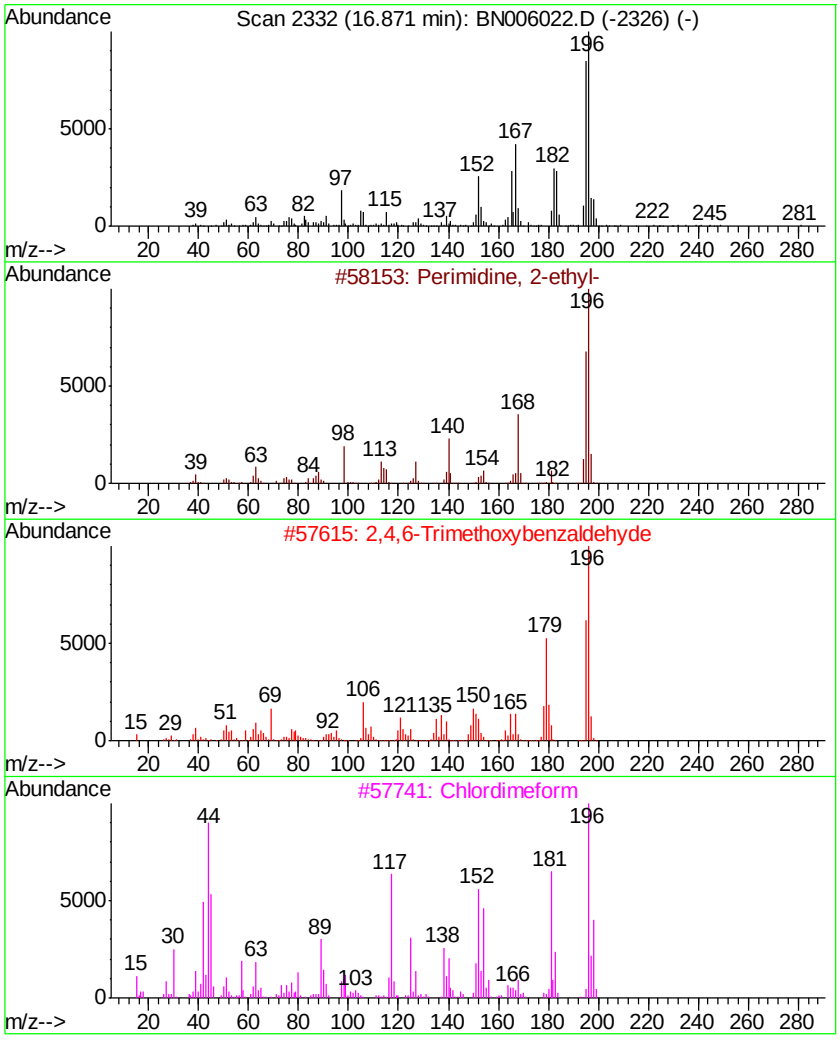
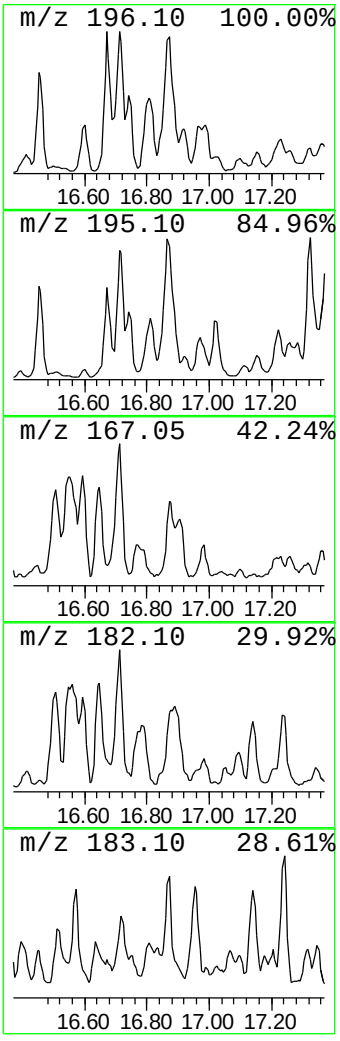
Peak Number 8 unknown-02 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	3.15 ng/ul	866780	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	49
2	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	43
3	Chlordimeform	196	C10H13ClN2	006164-98-3	42
4	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	38
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	38





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Quant Title : SVOA CALIBRATION

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

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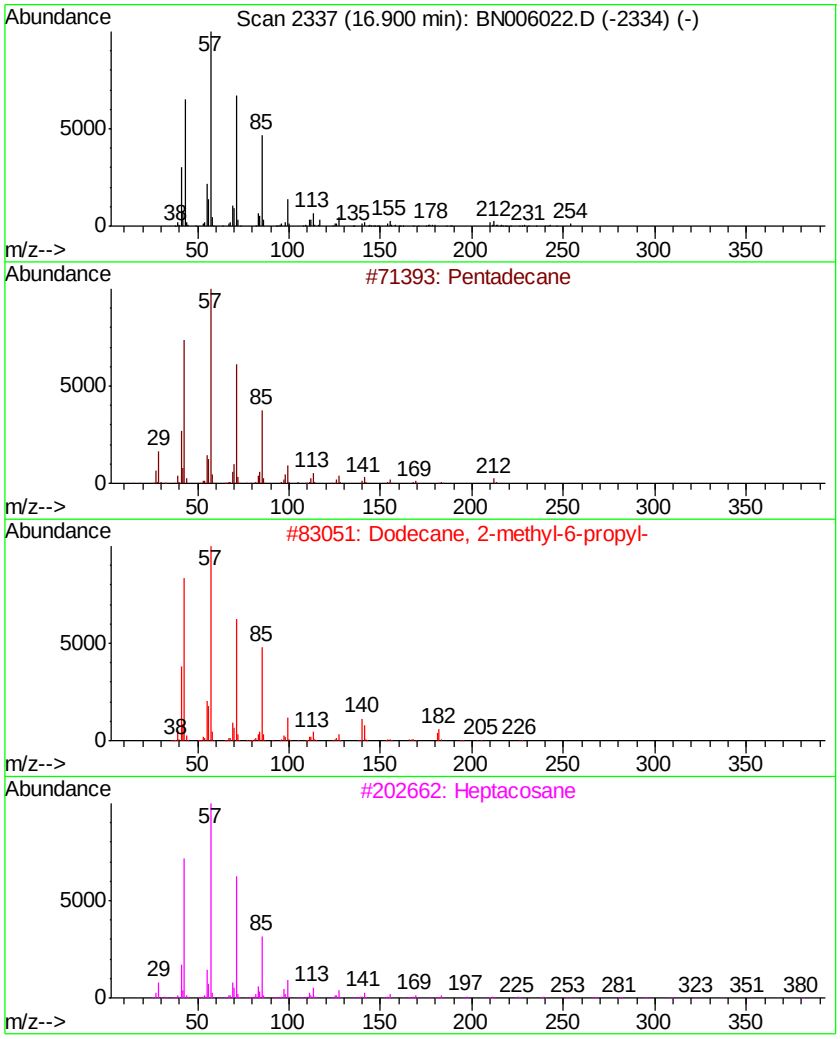
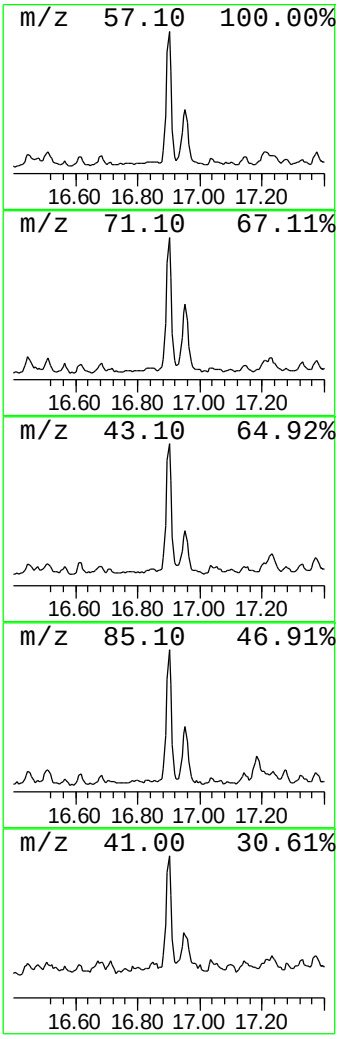
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	3.49 ng/ul	959388	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	93
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	93
3	Heptacosane	380	C27H56	000593-49-7	87
4	Octadecane	254	C18H38	000593-45-3	87
5	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	87





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Quant Title : SVOA CALIBRATION

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

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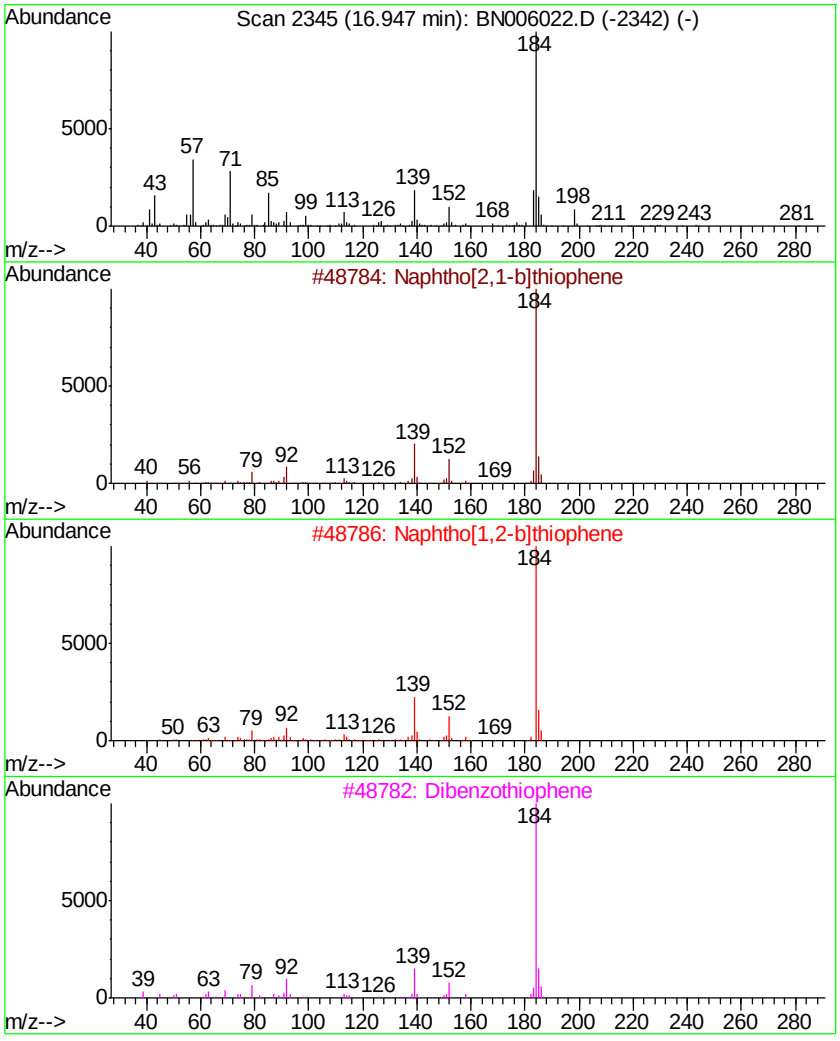
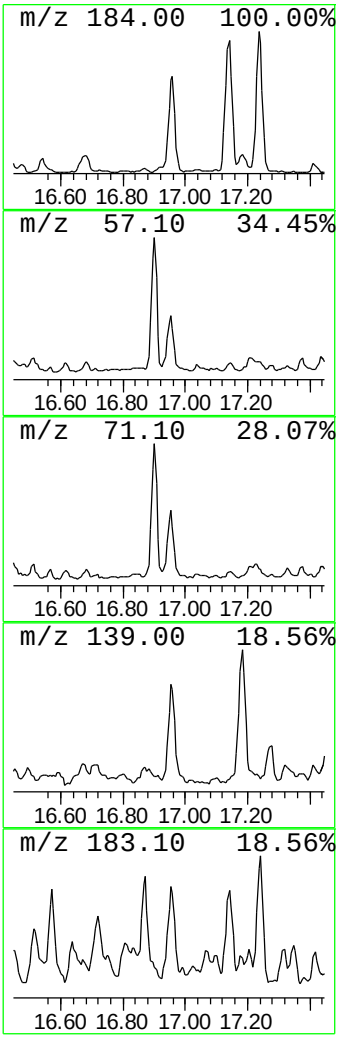
Peak Number 10 Naphtho[2,1-b]thiophene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	4.00 ng/ul	1102170	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	89
4	Dibenzothiophene	184	C12H8S	000132-65-0	86
5	Dibenzothiophene	184	C12H8S	000132-65-0	76





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Quant Title : SVOA CALIBRATION

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

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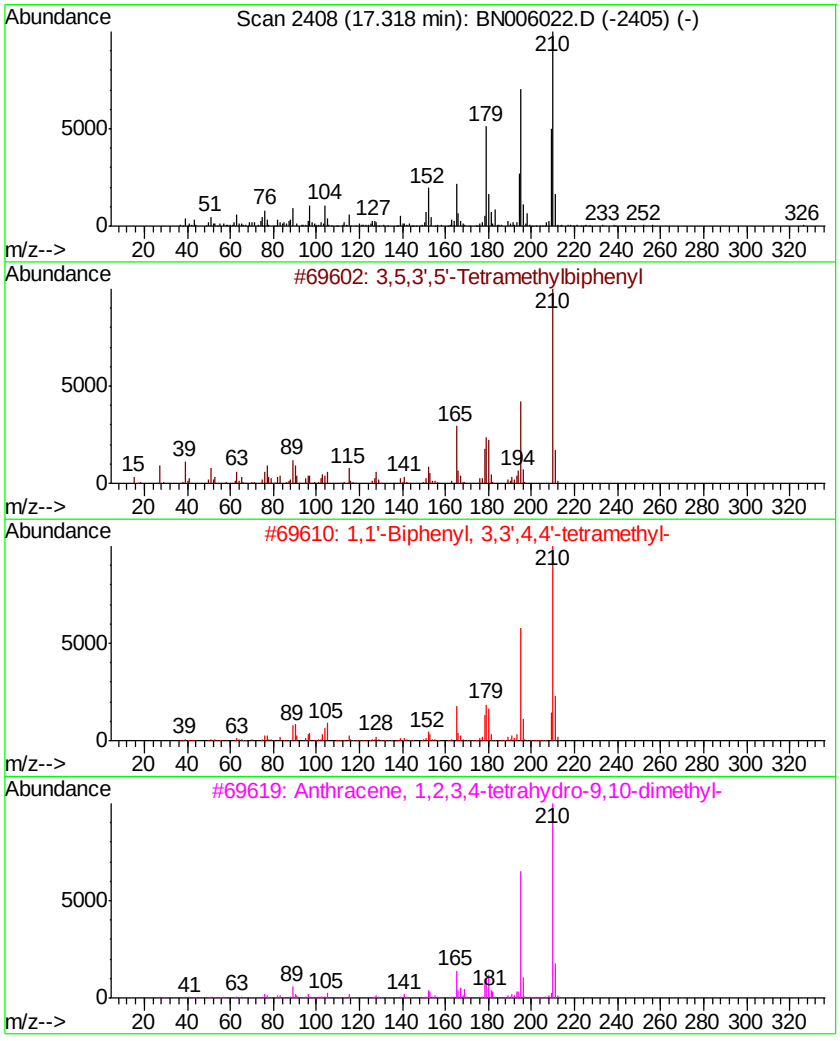
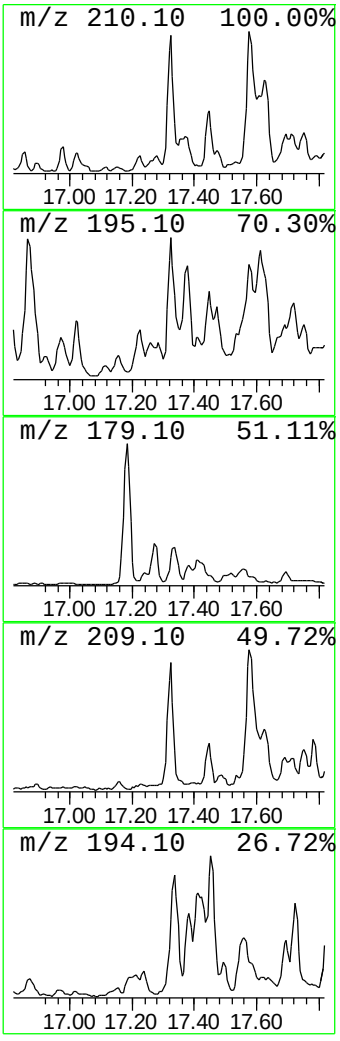
Peak Number 11 3,5,3',5'-Tetramethylbiphenyl Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.32	4.41 ng/ul	1212630	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5,3',5'-Tetramethylbiphenyl	210	C16H18	025570-02-9	60
2	1,1'-Biphenyl, 3,3',4,4'-tetrame...	210	C16H18	004920-95-0	60
3	Anthracene, 1,2,3,4-tetrahydro-9...	210	C16H18	094573-50-9	50
4	3H-Pyrrolo[3,2-H]quinoline, 2,3,...	210	C14H14N2	083958-38-7	49
5	3,5,3',5'-Tetramethylbiphenyl	210	C16H18	025570-02-9	46





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Quant Title : SVOA CALIBRATION

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

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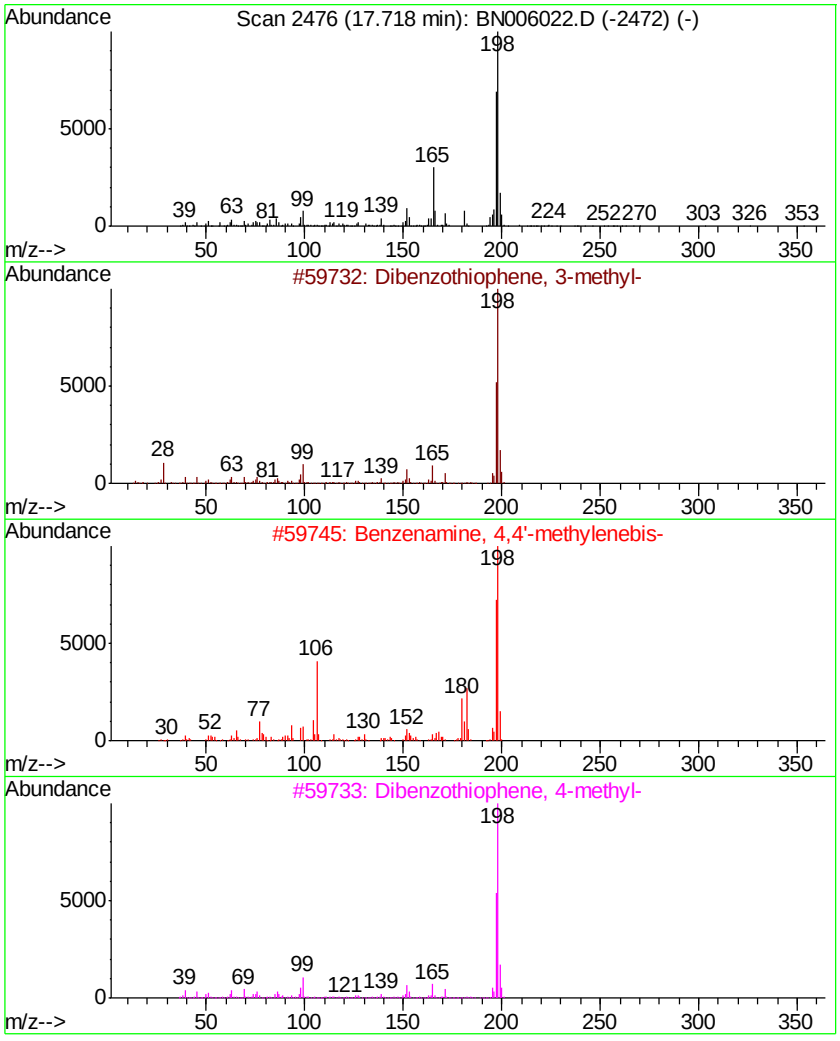
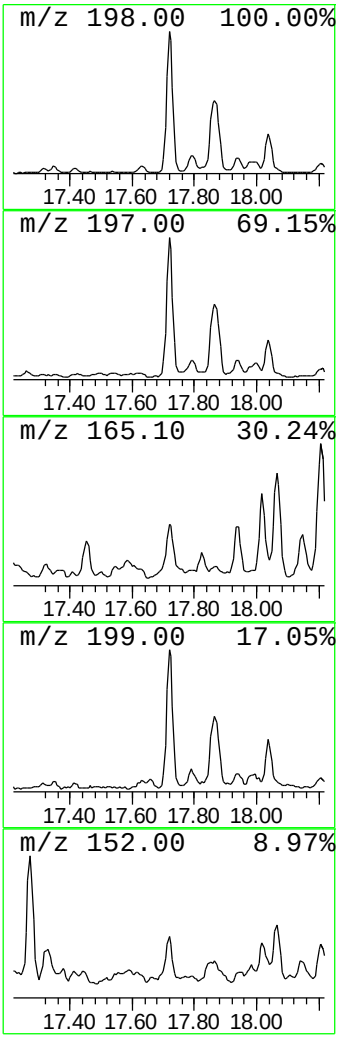
Peak Number 12 Dibenzothiophene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	5.73 ng/ul	1577630	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
2	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	81
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	80
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





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

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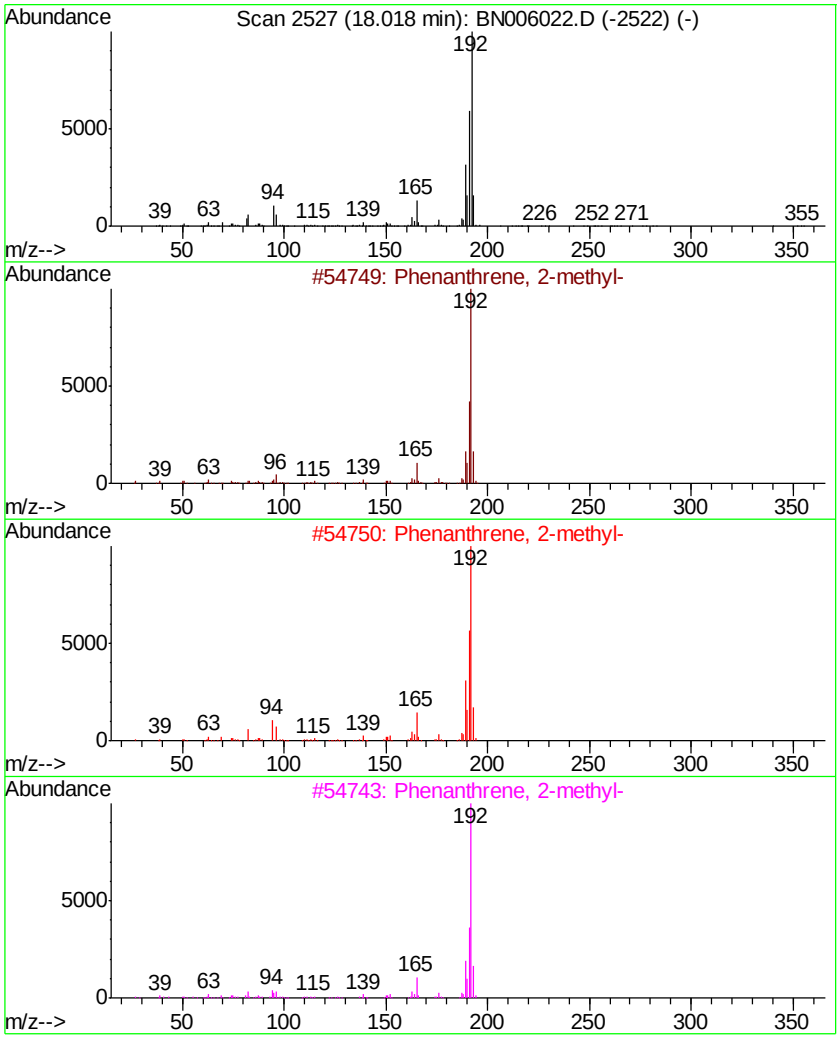
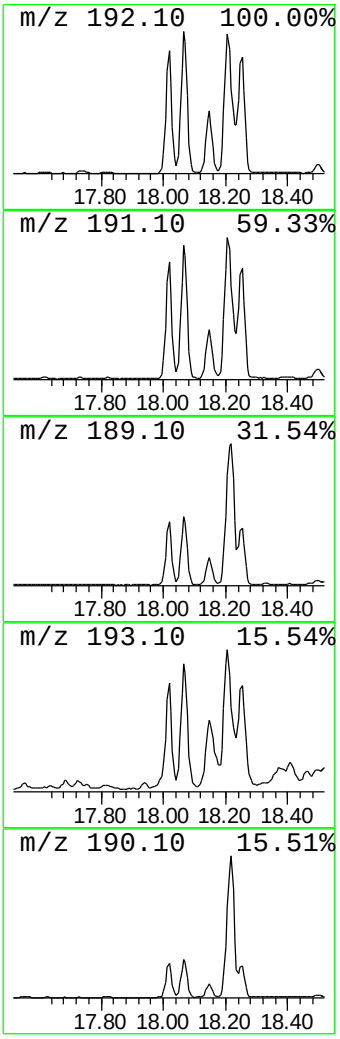
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	15.16 ng/ul	4173010	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	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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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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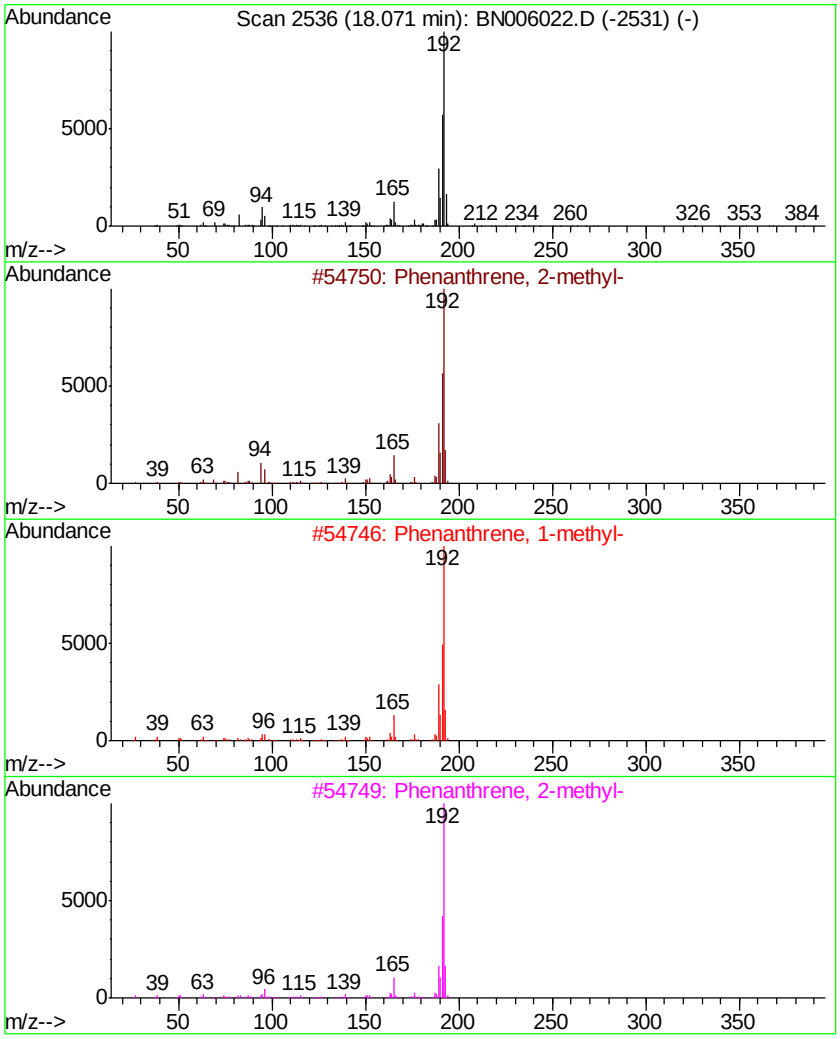
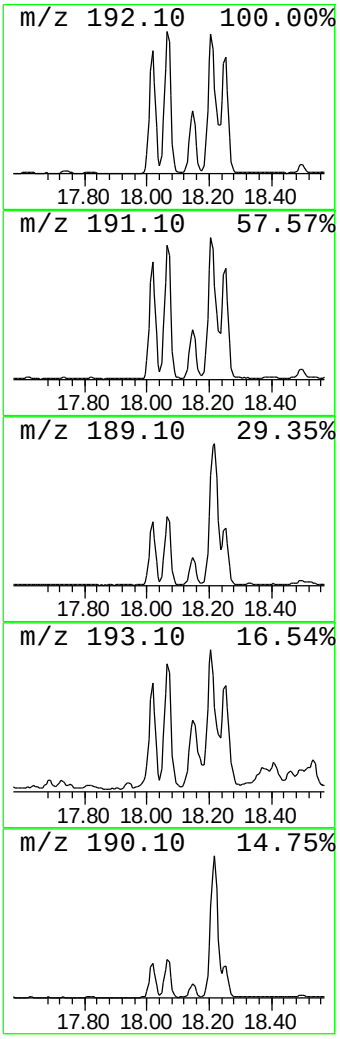
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	19.17 ng/ul	5277510	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Quant Title : SVOA CALIBRATION

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

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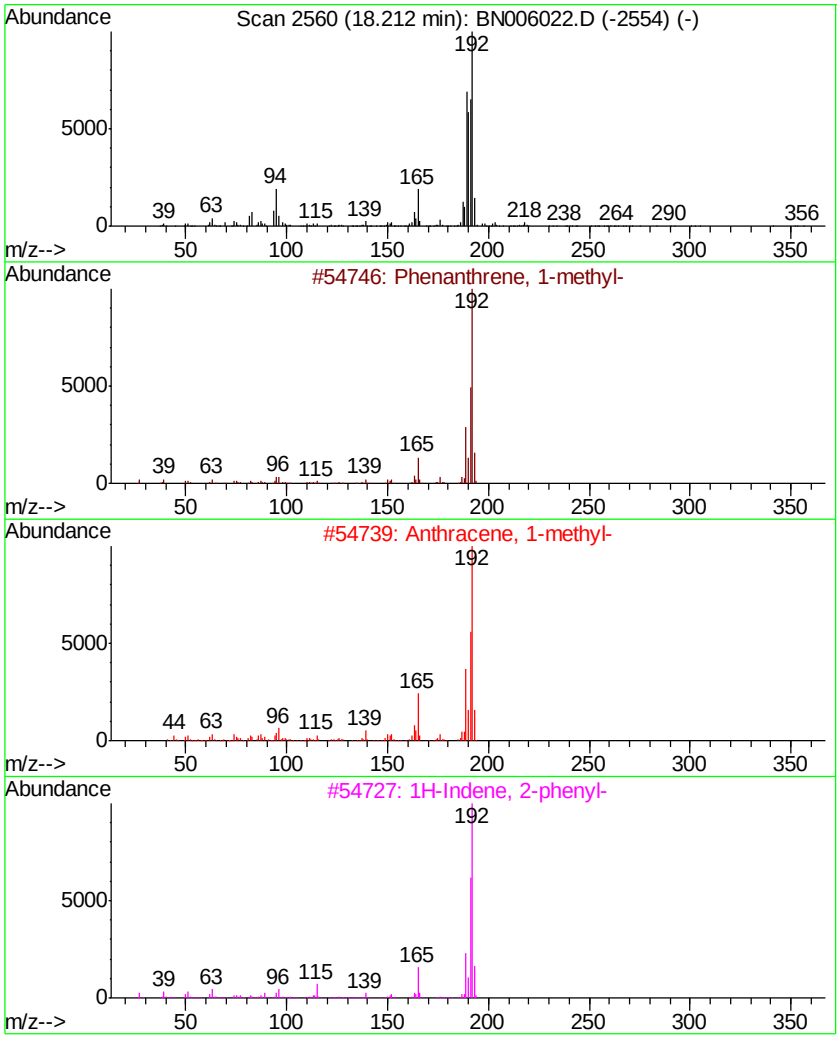
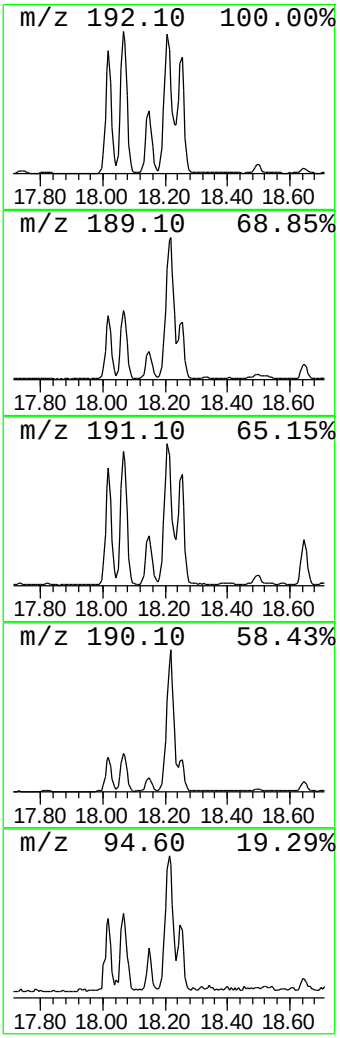
Peak Number 16 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	28.28 ng/ul	7783070	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	55
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	53





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TIC Library : C:\DATABASE\NIST11.L
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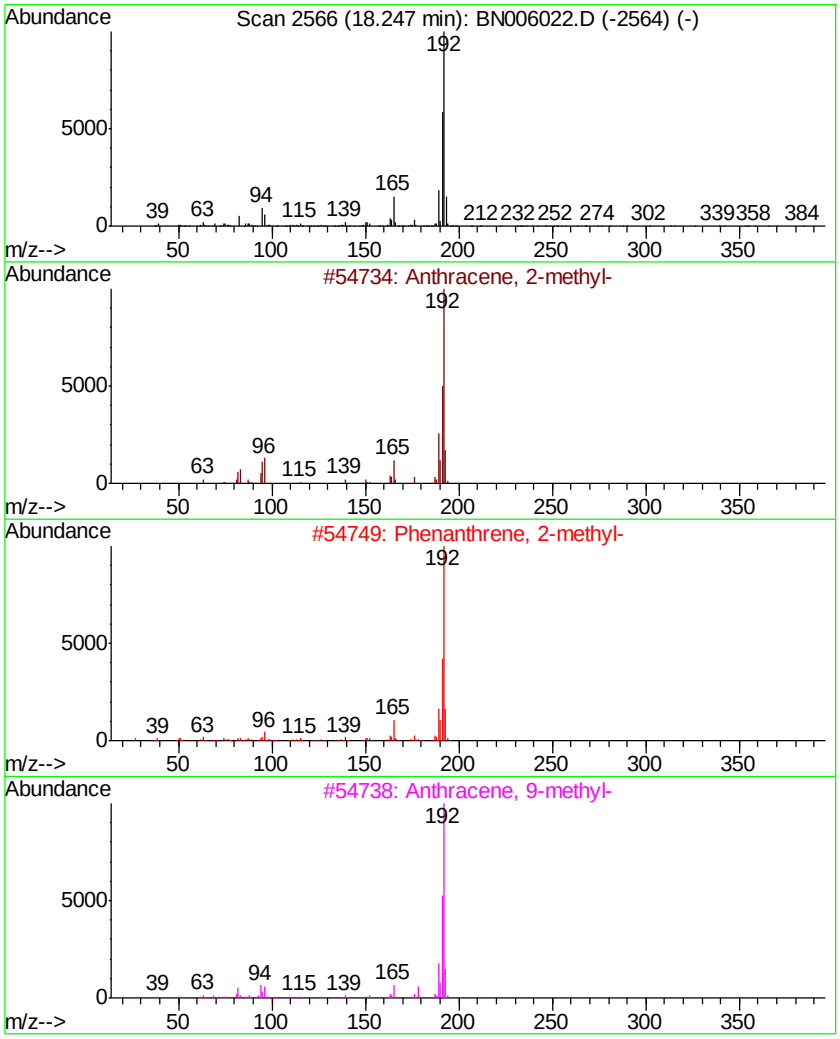
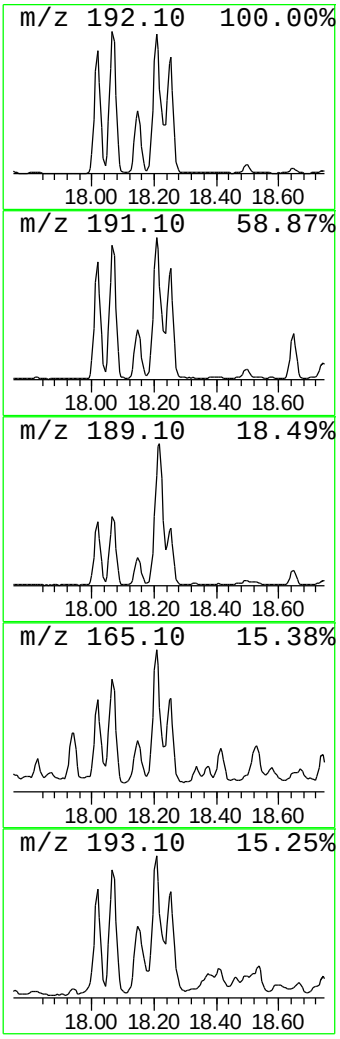
Peak Number 17 Anthracene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	12.67 ng/ul	3486420	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Instrument : BNA_N
ClientSampleId : A42C7

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Quant Title : SVOA CALIBRATION

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

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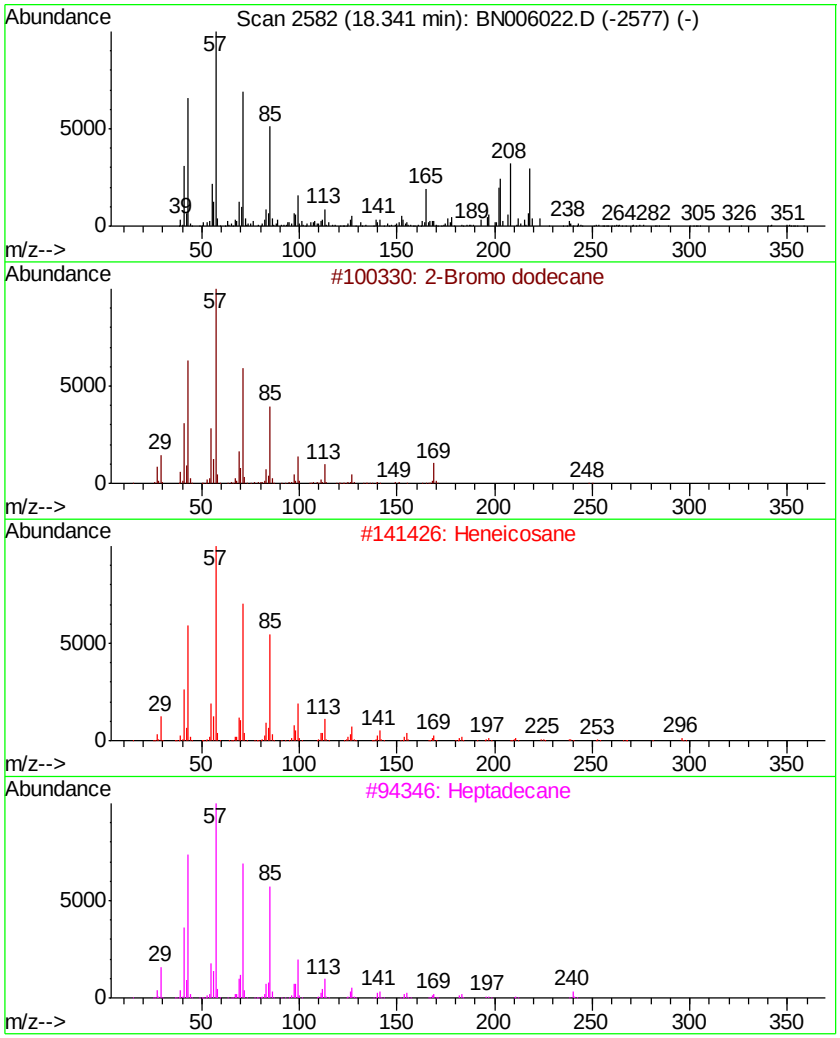
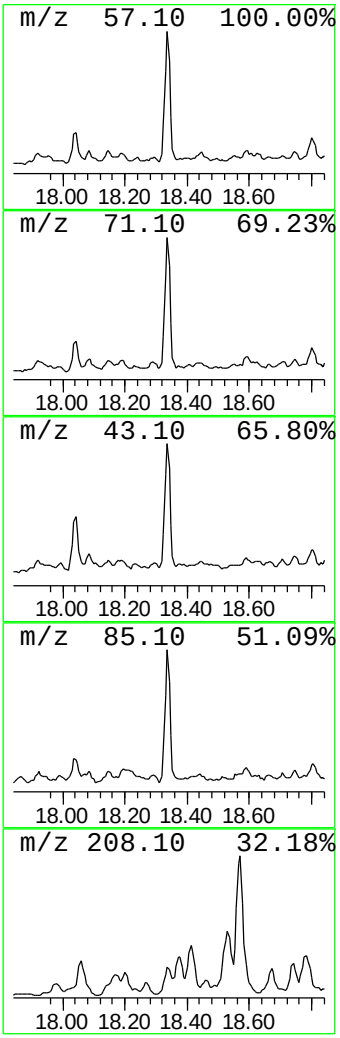
Peak Number 18 2-Bromo dodecane Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	4.22 ng/ul	1162330	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	56
2	Heneicosane	296	C21H44	000629-94-7	38
3	Heptadecane	240	C17H36	000629-78-7	38
4	Nonadecane	268	C19H40	000629-92-5	30
5	Hexadecane	226	C16H34	000544-76-3	30





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Sample : K2928-13
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Instrument : BNA_N
ClientSampleId : A42C7

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Quant Title : SVOA CALIBRATION

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

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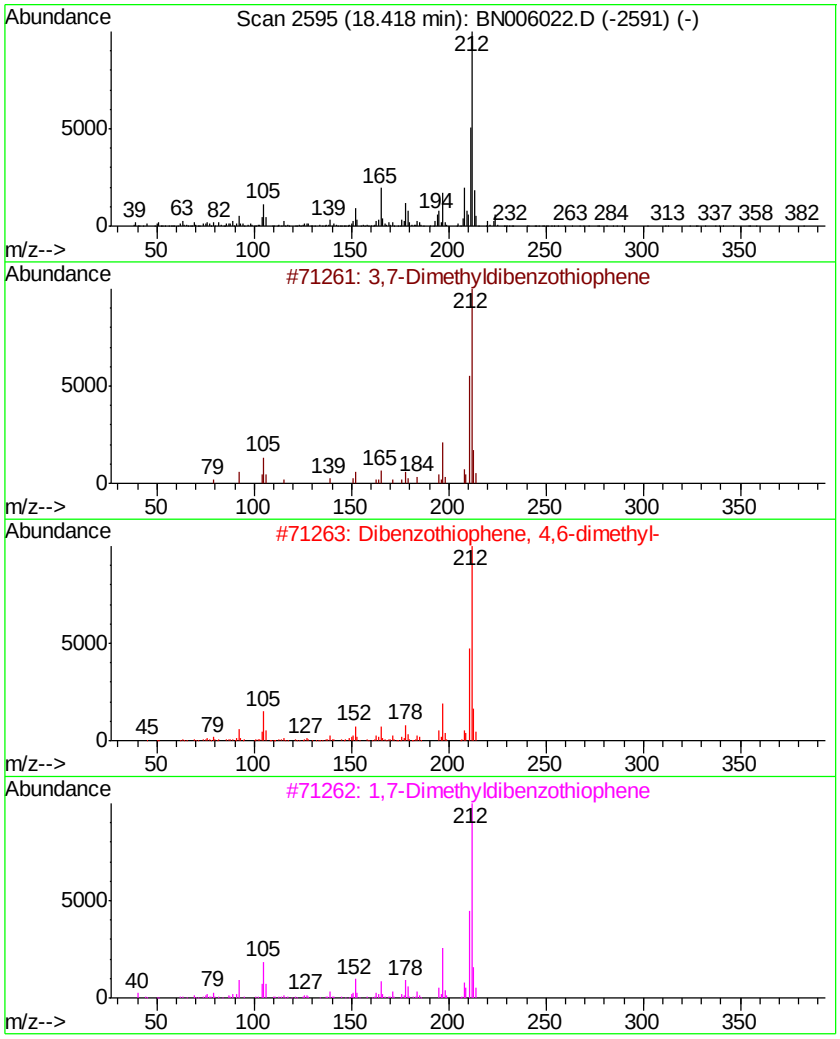
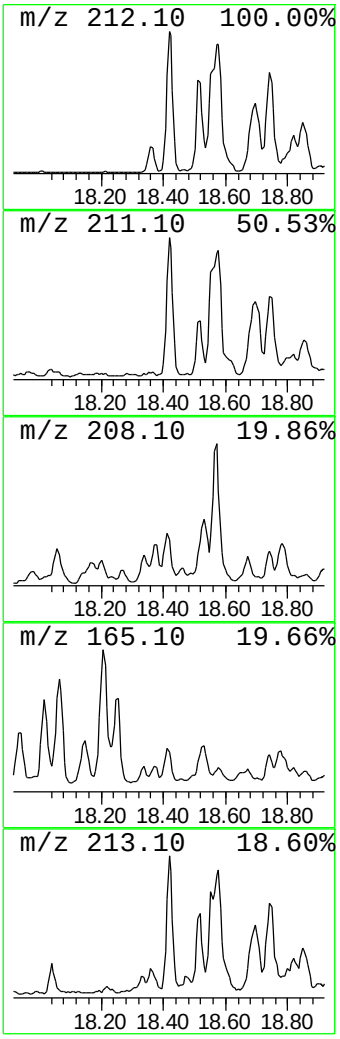
Peak Number 19 3,7-Dimethyldibenzothiophene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	4.29 ng/ul	1179730	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	89
2	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	89
3	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	86
4	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	76
5	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	76





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ClientSampleId : A42C7

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Quant Title : SVOA CALIBRATION

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

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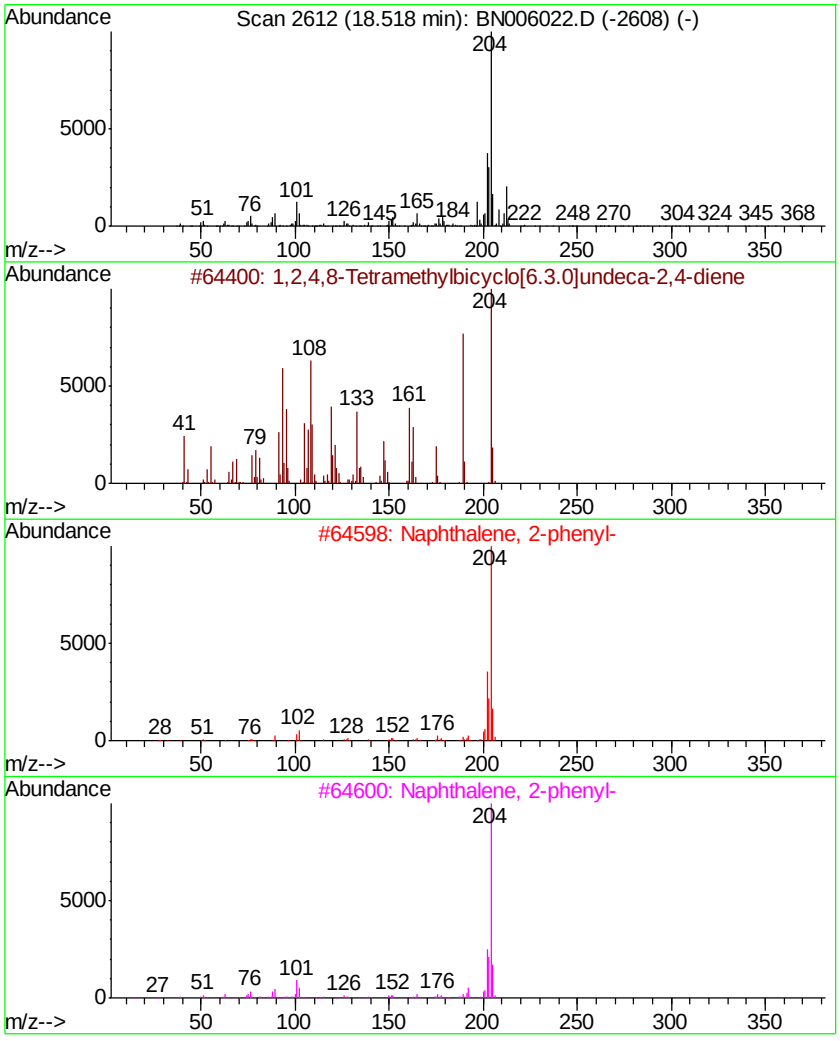
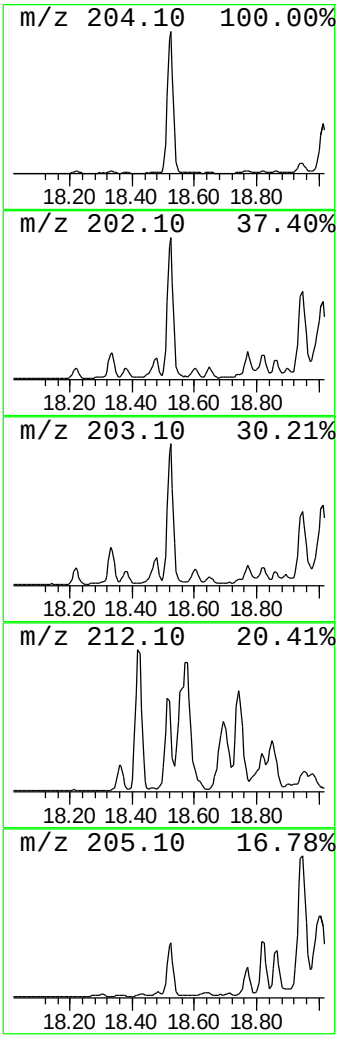
Peak Number 20 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	9.71 ng/ul	2673220	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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Quant Title : SVOA CALIBRATION

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

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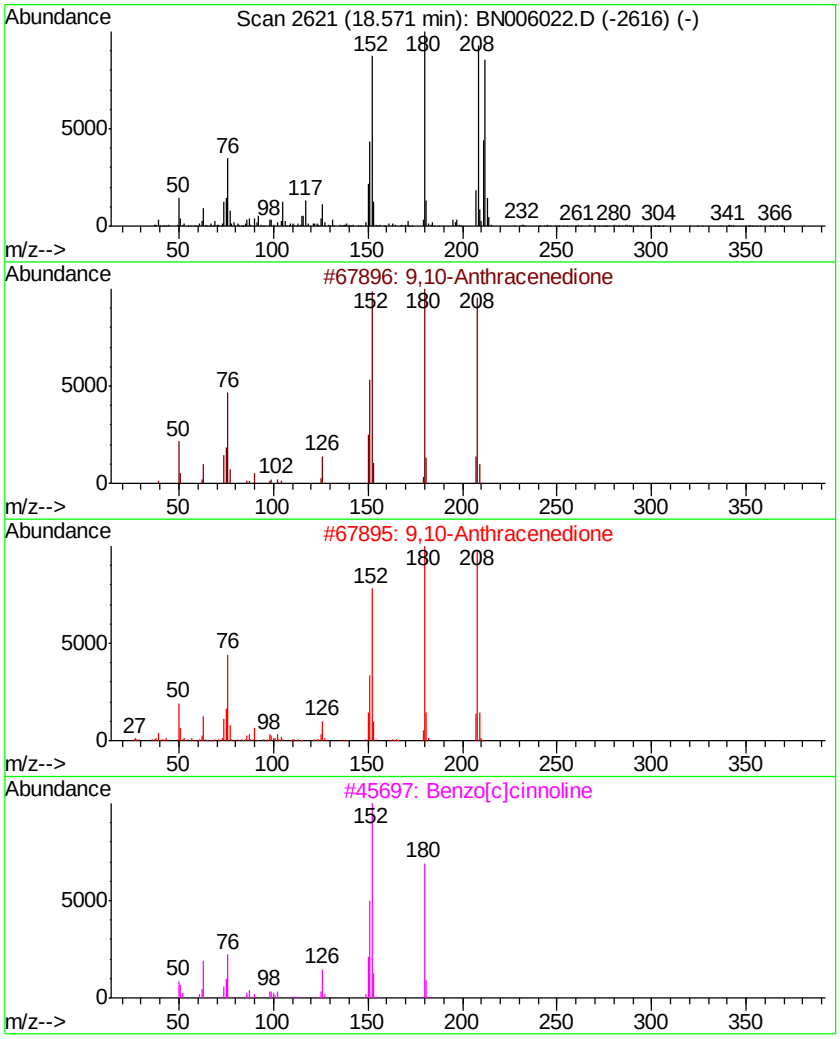
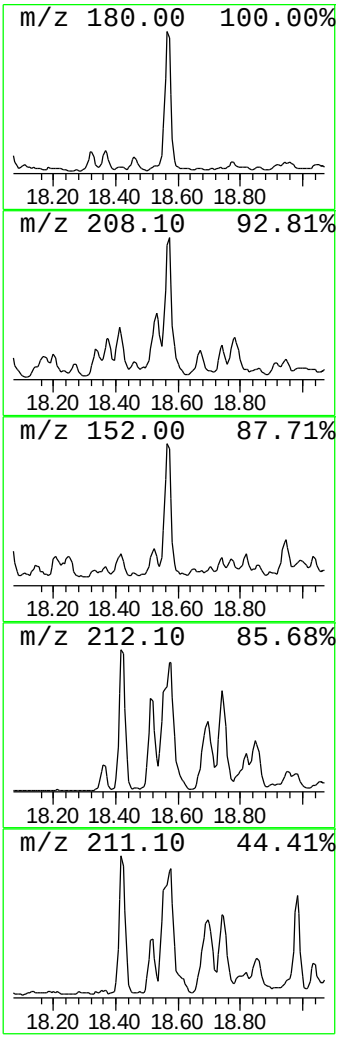
Peak Number 21 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	9.01 ng/ul	2479240	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	83
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	58





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Quant Title : SVOA CALIBRATION

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

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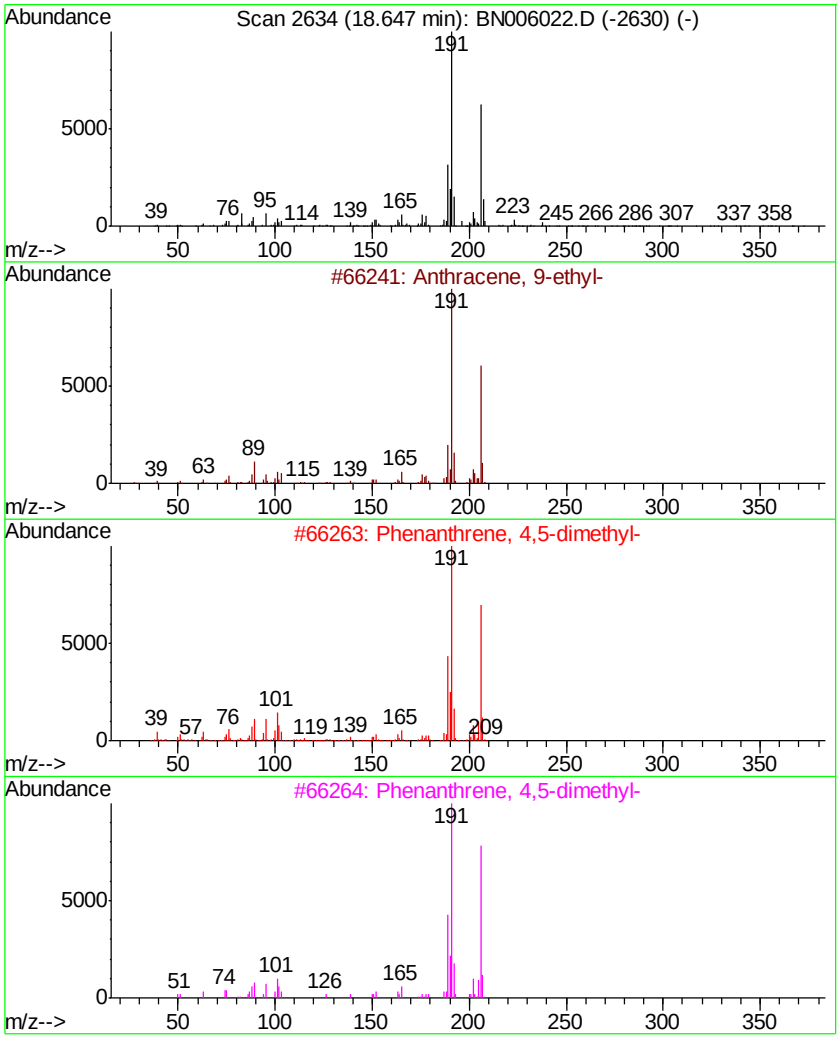
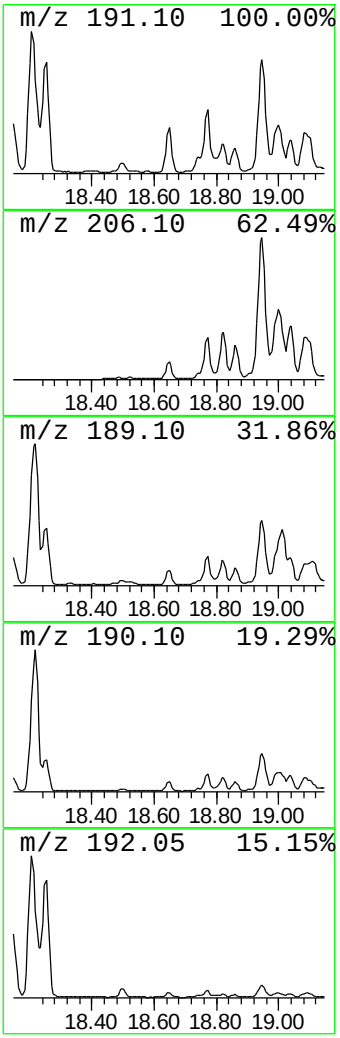
Peak Number 22 Anthracene, 9-ethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	3.66 ng/ul	1006070	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethyl-	206	C16H14	000605-83-4	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
5	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	74





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ALS Vial : 23 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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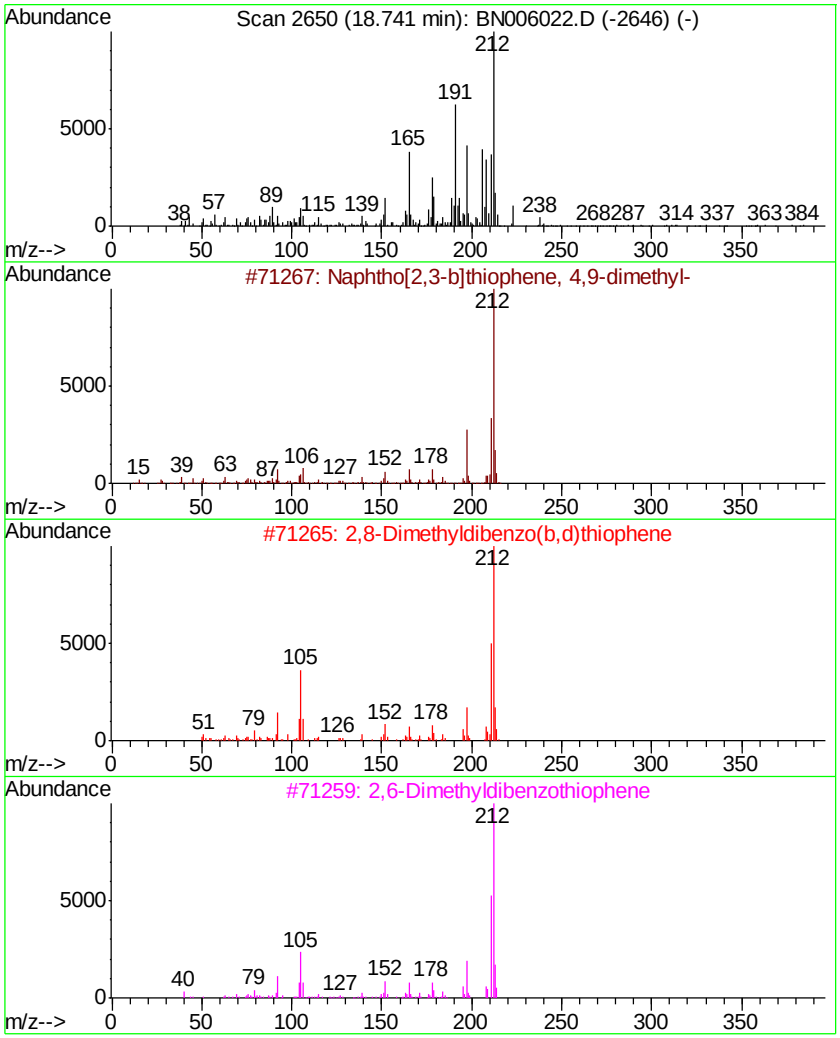
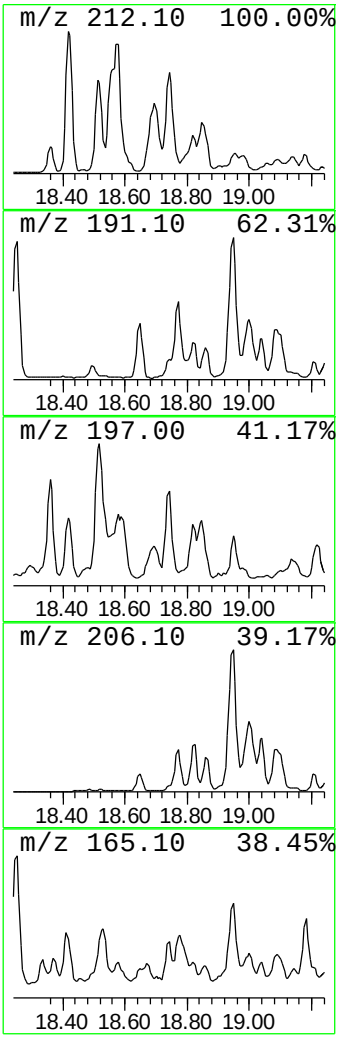
Peak Number 23 Naphtho[2,3-b]thiophene, 4,... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	4.02 ng/ul	1106910	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	50
2	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	46
3	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	45
4	Dibenzo[c,e]thiepin, 5,7-dihydro-	212	C14H12S	006672-64-6	45
5	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	42





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Quant Title : SVOA CALIBRATION

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

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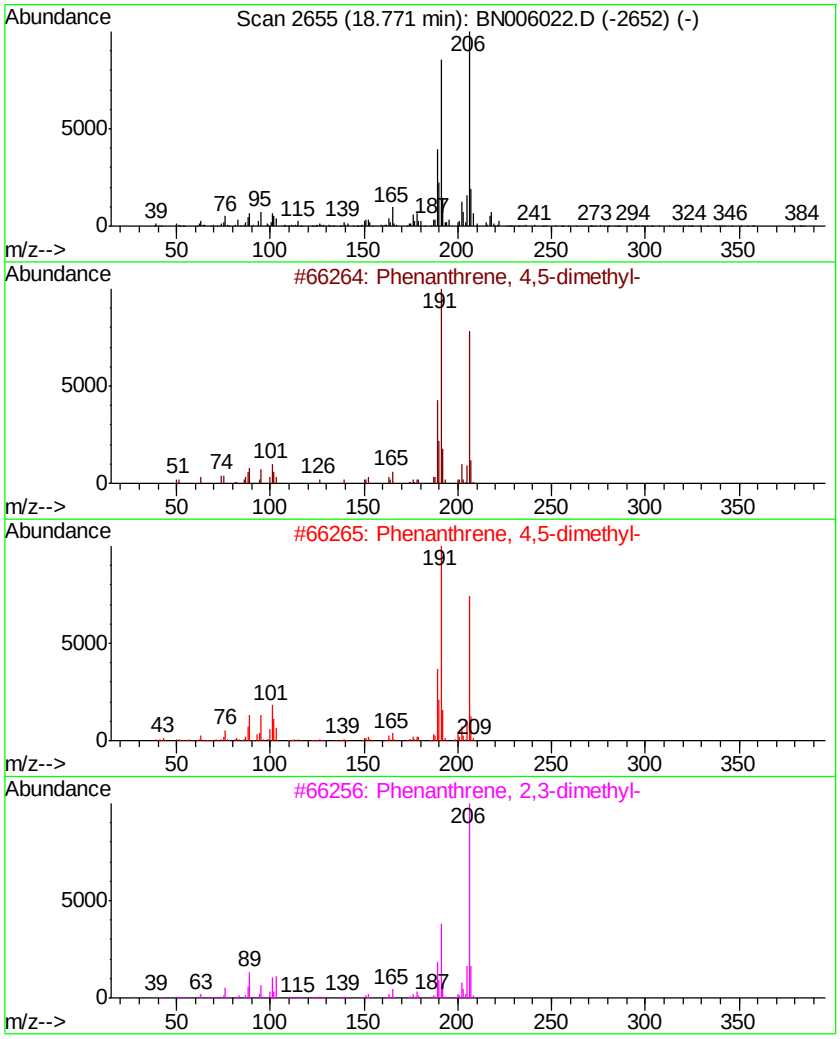
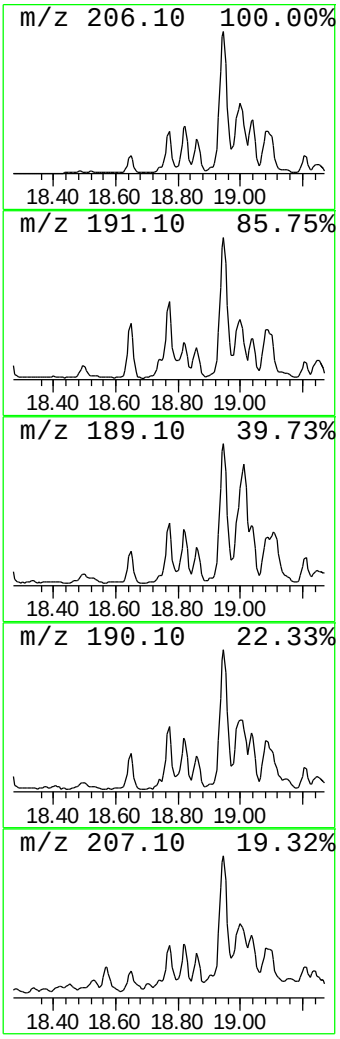
Peak Number 24 Phenanthrene, 4,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	8.15 ng/ul	2243990	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93





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Quant Title : SVOA CALIBRATION

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

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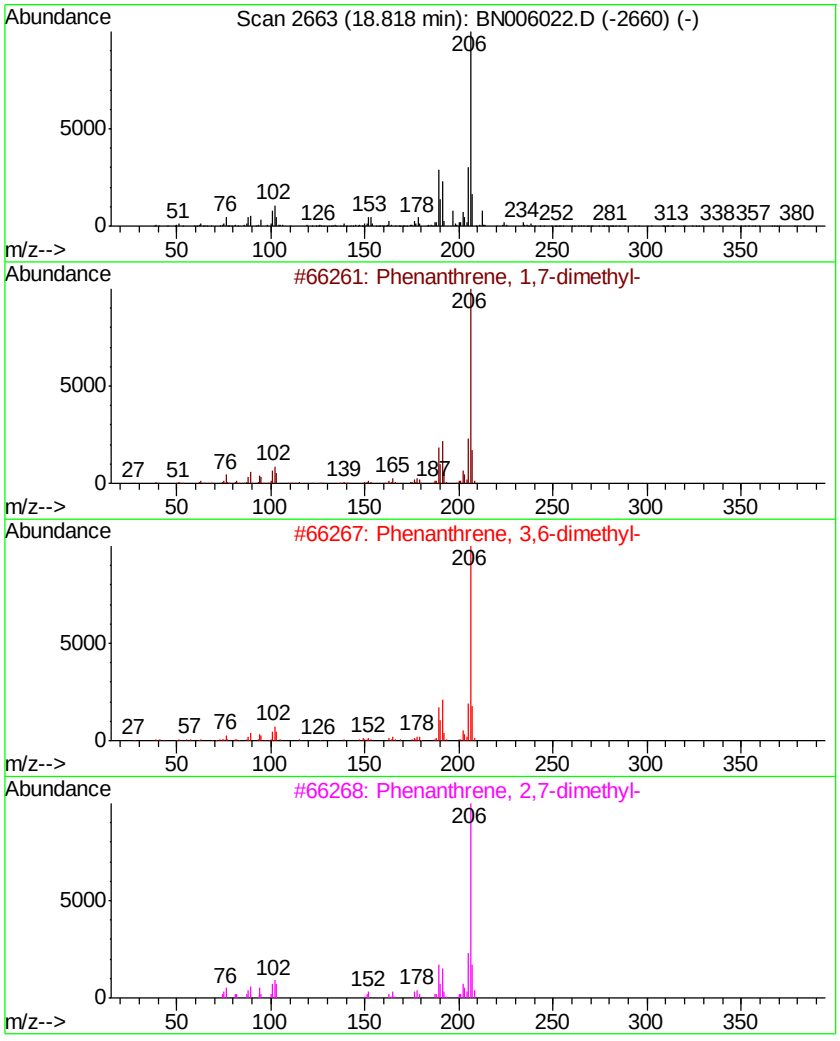
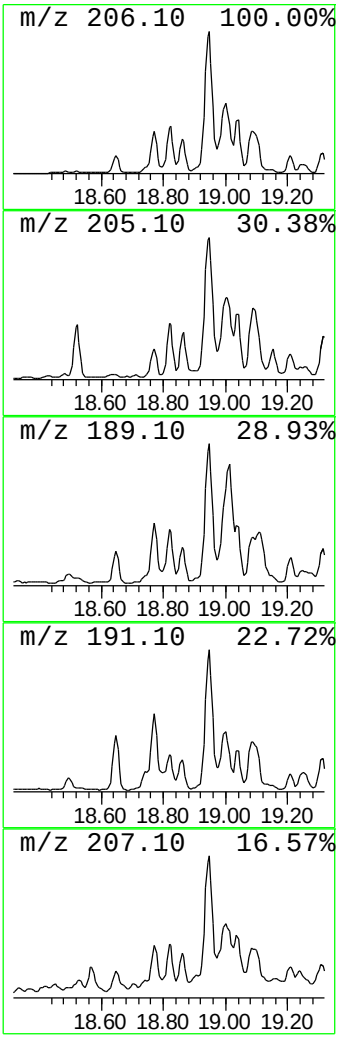
Peak Number 25 Phenanthrene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	7.22 ng/ul	1986240	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	81





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Quant Title : SVOA CALIBRATION

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

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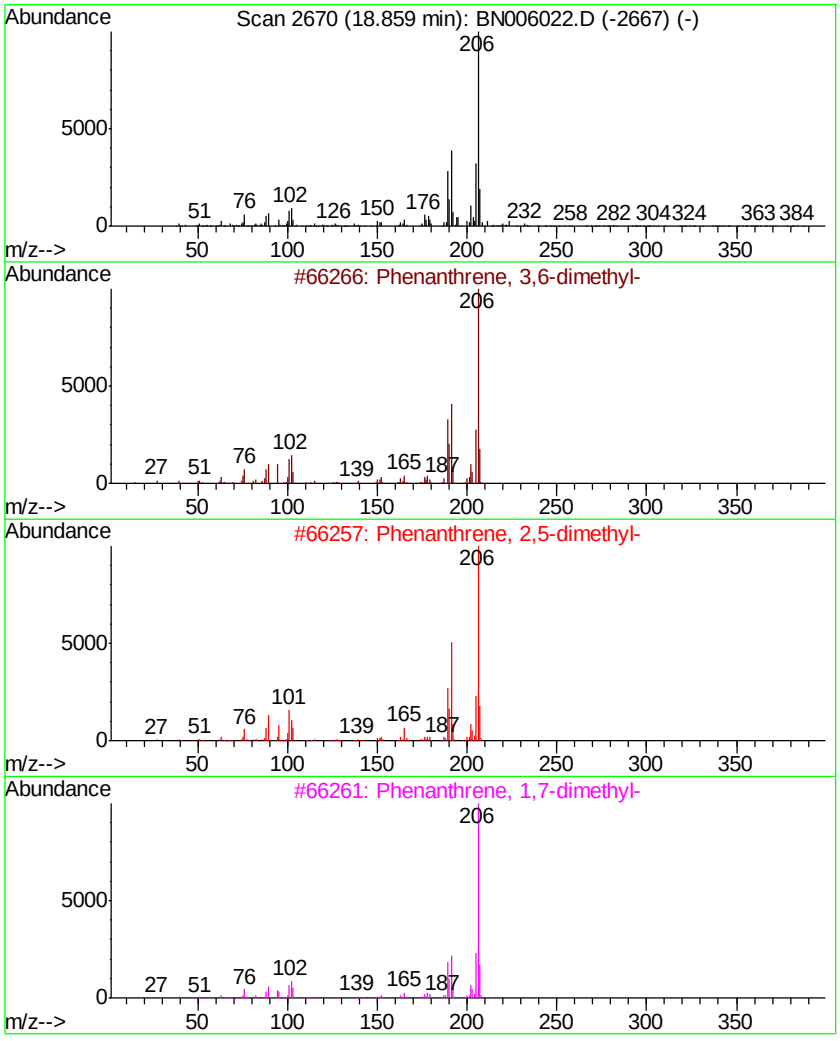
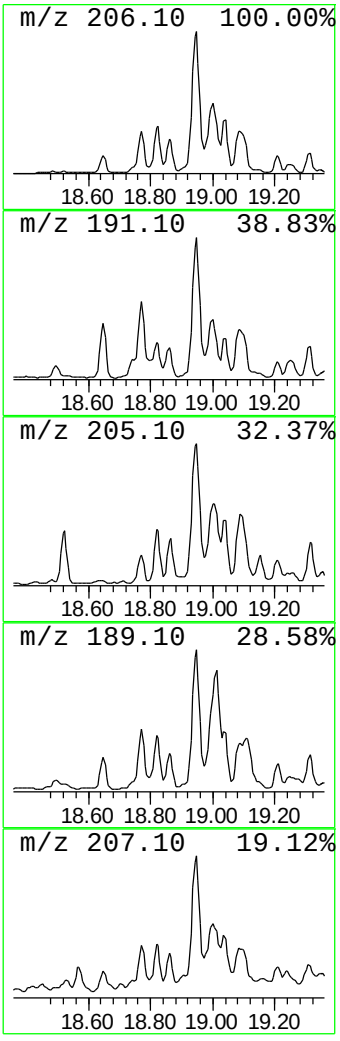
Peak Number 26 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	5.12 ng/ul	1408870	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Quant Title : SVOA CALIBRATION

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

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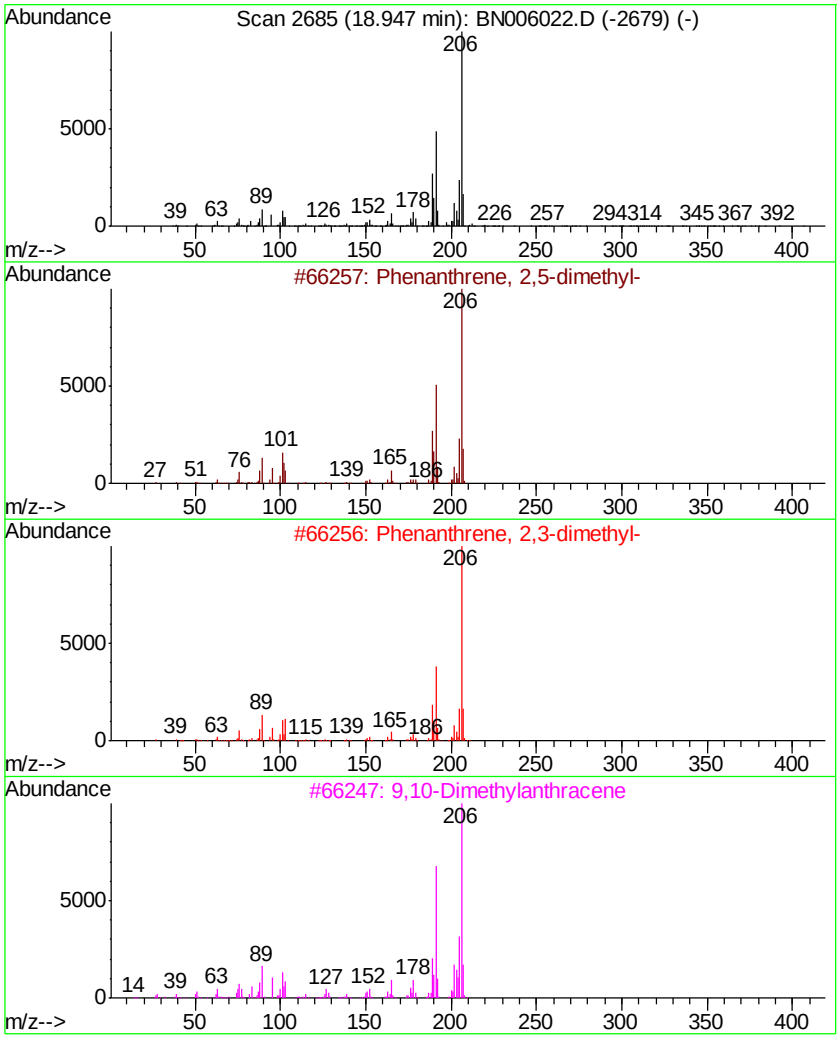
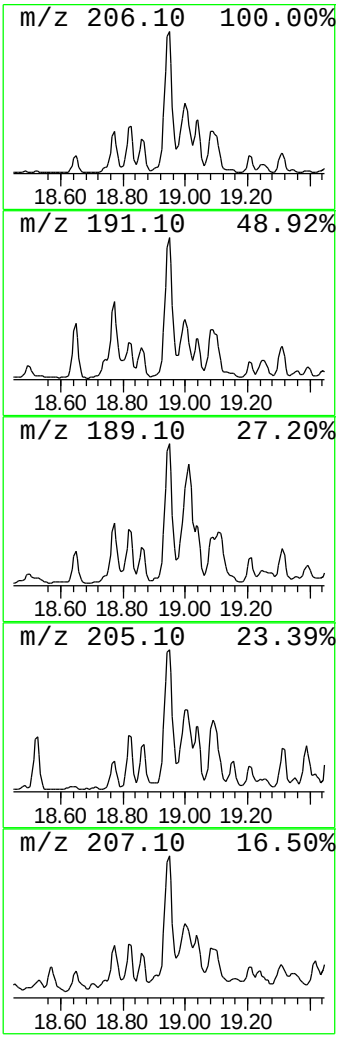
Peak Number 27 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	24.69 ng/ul	6797290	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Quant Title : SVOA CALIBRATION

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

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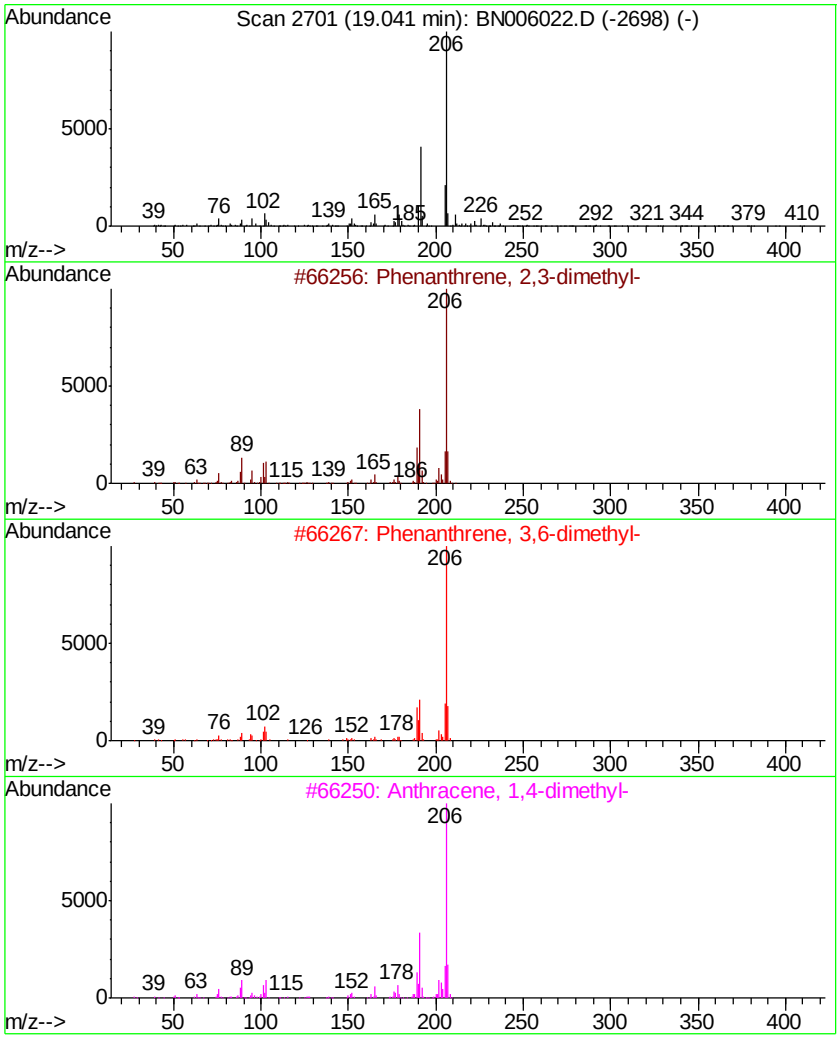
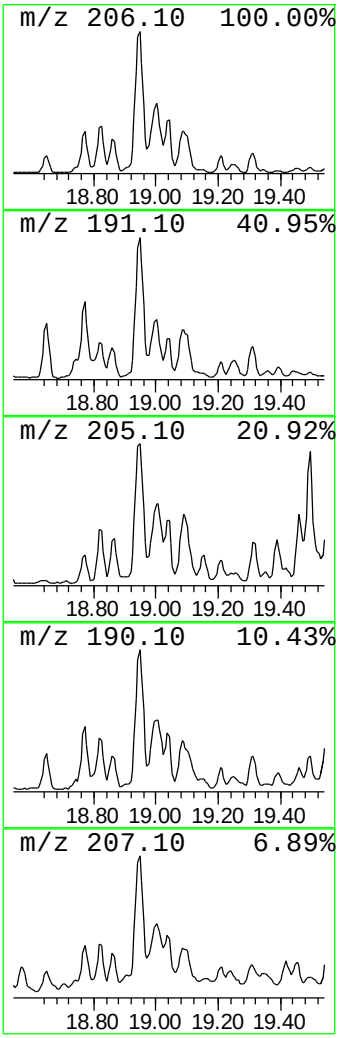
Peak Number 28 Phenanthrene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	5.18 ng/ul	1424550	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	72
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	64
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	59
5	Scoparone	206	C11H10O4	000120-08-1	58





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Quant Title : SVOA CALIBRATION

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

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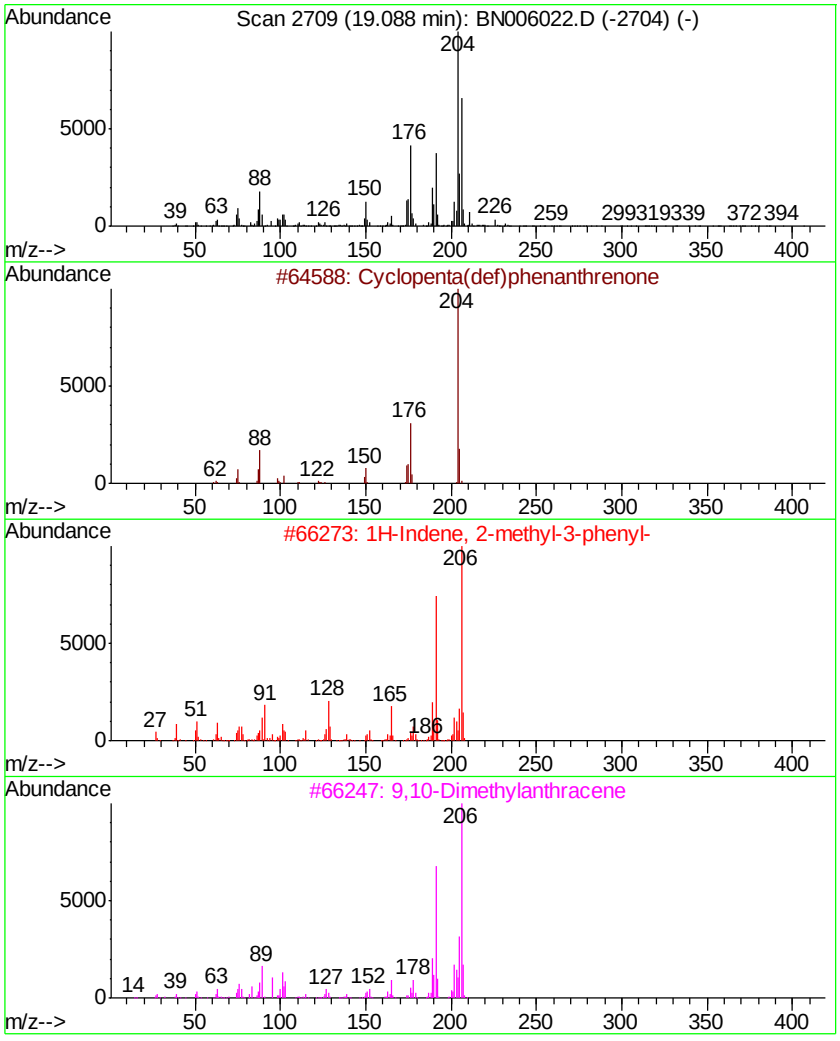
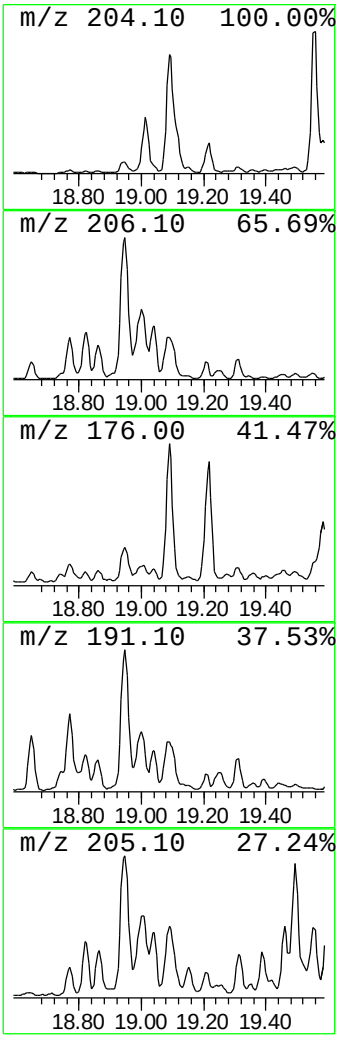
Peak Number 29 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	16.14 ng/ul	4442550	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	38
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	38
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	35





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Data File : BN006022.D
Acq On : 02 Jun 2019 08:59
Operator : JU/SJ
Sample : K2928-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42C7

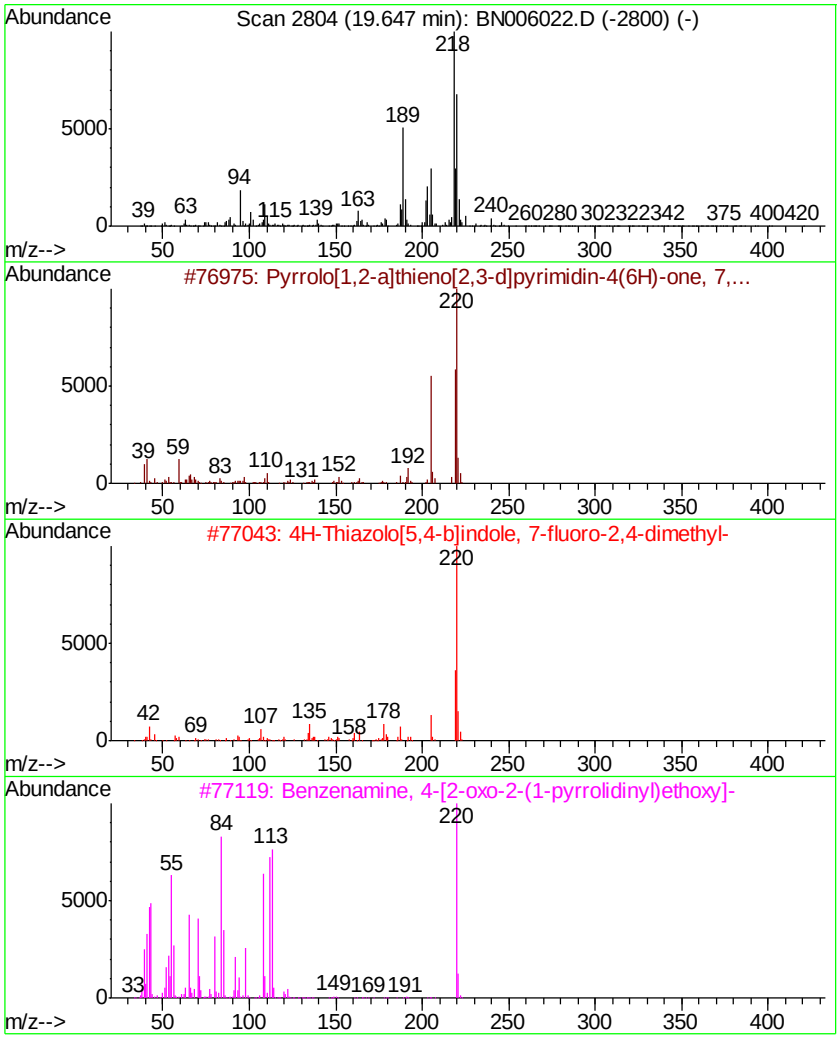
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

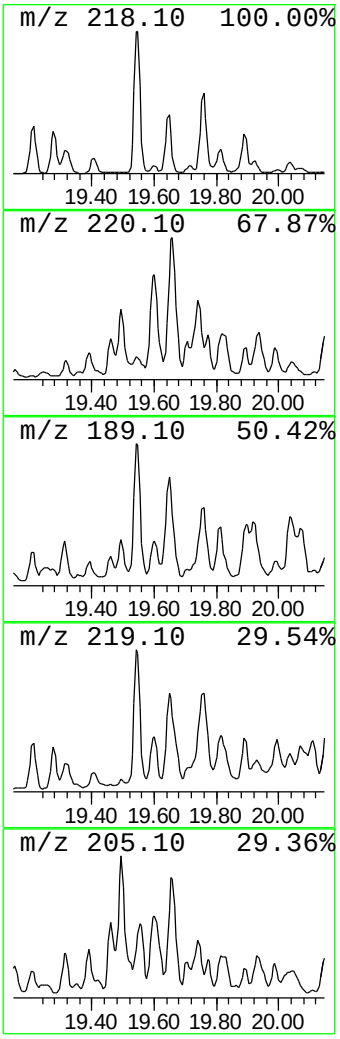
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Pyrrolo[1,2-a]thieno[2,3-d]... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.65	3.21 ng/ul	3157130	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	50
2	4H-Thiazolo[5,4-b]indole, 7-fluo...	220	C11H9FN2S	1000319-72-2	38
3	Benzenamine, 4-[2-oxo-2-(1-pyrro...	220	C12H16N2O2	1000327-54-6	38
4	1,4-Diphenylpyrazole	220	C15H12N2	015132-01-1	35
5	Alanine, N-(2-amino-3,4-cresotoy...	238	C11H14N2O4	018877-35-5	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060119\
Data File : BN006022.D
Acq On : 02 Jun 2019 08:59
Operator : JU/SJ
Sample : K2928-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42C7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.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
Naphthalene, 1,6,...	15.01	2.7	ng/ul	790362	3	14.38	5912220	20.0
Naphthalene, 1,4,...	15.18	2.4	ng/ul	702916	3	14.38	5912220	20.0
1,2-Dimethoxy-4-n...	16.02	3.3	ng/ul	906284	4	17.14	5505020	20.0
unknown-01	16.11	5.7	ng/ul	1564740	4	17.14	5505020	20.0
9H-Fluorene, 2-me...	16.45	3.2	ng/ul	891800	4	17.14	5505020	20.0
Naphtho[2,1-b]fur...	16.67	4.1	ng/ul	1123160	4	17.14	5505020	20.0
9H-Fluoren-9-one	16.79	3.0	ng/ul	827148	4	17.14	5505020	20.0
unknown-02	16.87	3.1	ng/ul	866780	4	17.14	5505020	20.0
(DEL) Alkane: Str...	16.90	3.5	ng/ul	959388	4	17.14	5505020	20.0
Naphtho[2,1-b]thi...	16.95	4.0	ng/ul	1102170	4	17.14	5505020	20.0
3,5,3',5'-Tetrame...	17.32	4.4	ng/ul	1212630	4	17.14	5505020	20.0
Dibenzothiophene,...	17.72	5.7	ng/ul	1577630	4	17.14	5505020	20.0
Phenanthrene, 2-m...	18.02	15.2	ng/ul	4173010	4	17.14	5505020	20.0
Phenanthrene, 1-m...	18.07	19.2	ng/ul	5277510	4	17.14	5505020	20.0
Anthracene, 1-met...	18.21	28.3	ng/ul	7783070	4	17.14	5505020	20.0
Anthracene, 9-met...	18.25	12.7	ng/ul	3486420	4	17.14	5505020	20.0
2-Bromo dodecane	18.34	4.2	ng/ul	1162330	4	17.14	5505020	20.0
3,7-Dimethyldiben...	18.42	4.3	ng/ul	1179730	4	17.14	5505020	20.0
1,2,4,8-Tetrameth...	18.52	9.7	ng/ul	2673220	4	17.14	5505020	20.0
9,10-Anthracenedione	18.57	9.0	ng/ul	2479240	4	17.14	5505020	20.0
Anthracene, 9-ethyl-	18.65	3.7	ng/ul	1006070	4	17.14	5505020	20.0
Naphtho[2,3-b]thi...	18.74	4.0	ng/ul	1106910	4	17.14	5505020	20.0
Phenanthrene, 4,5...	18.77	8.2	ng/ul	2243990	4	17.14	5505020	20.0
Phenanthrene, 1,7...	18.82	7.2	ng/ul	1986240	4	17.14	5505020	20.0
Phenanthrene, 3,6...	18.86	5.1	ng/ul	1408870	4	17.14	5505020	20.0
Phenanthrene, 2,5...	18.95	24.7	ng/ul	6797290	4	17.14	5505020	20.0
Phenanthrene, 2,3...	19.04	5.2	ng/ul	1424550	4	17.14	5505020	20.0
Cyclopenta(def)ph...	19.09	16.1	ng/ul	4442550	4	17.14	5505020	20.0
Pyrrolo[1,2-a]thi...	19.65	3.2	ng/ul	3157130	5	21.36	19670700	20.0