LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001945.D
Acq On : 03 Jul 2018 16:06
Operator : JU/SJ
Sample : J3721-21
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H22

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-BN061918.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.022	3	6	19	rVB	3472017	5001134	9.67%	0.860%
2	6.416	578	583	593	rVB	504475	807754	1.56%	0.139%
3	6.881	655	662	673	rBV	1861682	3328272	6.43%	0.572%
4	7.052	684	691	703	rVB	1508296	2348898	4.54%	0.404%
5	7.246	713	724	733	rBV	1904276	3020827	5.84%	0.519%
6	7.710	796	803	810	rBV	2428941	3886597	7.51%	0.668%
7	8.405	908	921	929	rVV	2245319	3701965	7.15%	0.636%
8	8.852	989	997	1008	rVV	1795933	3040020	5.88%	0.523%
9	9.569	1111	1119	1132	rBV	1497971	2462938	4.76%	0.423%
10	10.104	1203	1210	1220	rBV	2552734	4255386	8.22%	0.732%
11	10.481	1266	1274	1280	rBV	3675920	6209669	12.00%	1.068%
12	10.616	1289	1297	1310	rVV	1727844	3027044	5.85%	0.520%
13	12.716	1648	1654	1668	rVB	333026	607855	1.17%	0.105%
14	13.669	1810	1816	1824	rVV2	466872	850032	1.64%	0.146%
15	13.751	1824	1830	1834	rVV	4479294	6227754	12.04%	1.071%
16	13.798	1834	1838	1843	rVV	2508173	3381073	6.53%	0.581%
17	14.028	1869	1877	1880	rBV	5203464	8187233	15.82%	1.408%
18	14.340	1920	1930	1937	rBV2	5273491	8655258	16.73%	1.488%
19	14.410	1937	1942	1946	rVV2	1135101	1797409	3.47%	0.309%
20	14.463	1946	1951	1958	rVV3	862340	1299491	2.51%	0.223%
21	14.534	1958	1963	1970	rVB	1529369	2231664	4.31%	0.384%
22	15.334	2093	2099	2105	rBV	6790239	9592386	18.54%	1.649%
23	15.445	2113	2118	2126	rBV	1896341	2666542	5.15%	0.458%
24	16.057	2217	2222	2226	rVV4	798178	1526571	2.95%	0.262%
25	16.098	2226	2229	2237	rVB	400231	598826	1.16%	0.103%
26	17.081	2390	2396	2401	rVV2	6370324	9605182	18.56%	1.651%
27	17.122	2401	2403	2408	rVV	1118477	1397411	2.70%	0.240%
28	17.181	2408	2413	2417	rVV2	6944925	10786625	20.85%	1.854%
29	17.216	2417	2419	2424	rVV	2417141	2783797	5.38%	0.479%
30	17.275	2424	2429	2437	rVV	461502	796071	1.54%	0.137%
31	17.486	2461	2465	2469	rBV2	674981	898738	1.74%	0.155%
32	17.998	2547	2552	2561	rVB2	2279353	3319768	6.42%	0.571%
33	18.086	2562	2567	2571	rVB	571137	839157	1.62%	0.144%
34	18.157	2573	2579	2583	rBV3	861780	1489622	2.88%	0.256%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3721-21
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H22

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 >
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Title : SVOA CALIBRATION

35	18.498	2634	2637	2643	rVB3	609972	850553	1.64%	0.146%
36	18.798	2685	2688	2693	rVB	482769	654617	1.27%	0.113%
37	18.880	2698	2702	2707	rBV2	1021389	1537910	2.97%	0.264%
38	18.939	2708	2712	2716	rBV4	611809	1024511	1.98%	0.176%
39	19.022	2721	2726	2735	rBV	3000174	4362781	8.43%	0.750%
40	19.151	2741	2748	2755	rBV	16073563	22816534	44.10%	3.923%
41	19.245	2762	2764	2767	rVV2	490028	590585	1.14%	0.102%
42	19.286	2767	2771	2777	rVB3	1164504	1985703	3.84%	0.341%
43	19.486	2799	2805	2806	rBV2	9487220	12652584	24.45%	2.175%
44	19.516	2806	2810	2818	rVV	25220930	39835728	76.99%	6.849%
45	19.592	2818	2823	2829	rVB4	975948	1961201	3.79%	0.337%
46	19.686	2835	2839	2845	rBV2	842477	1567073	3.03%	0.269%
47	19.751	2846	2850	2855	rVB2	2040987	3059450	5.91%	0.526%
48	19.839	2859	2865	2876	rBV4	2859730	7028123	13.58%	1.208%
49	19.986	2883	2890	2891	rBV2	3219865	5872701	11.35%	1.010%
50	20.057	2898	2902	2905	rBV3	573454	786514	1.52%	0.135%
51	20.110	2907	2911	2914	rVV	1872715	2410295	4.66%	0.414%
52	20.169	2914	2921	2925	rVV2	4313279	7601581	14.69%	1.307%
53	20.210	2925	2928	2931	rVV	1202687	1453639	2.81%	0.250%
54	20.251	2932	2935	2940	rVB2	559065	862692	1.67%	0.148%
55	20.310	2940	2945	2949	rBV	3684783	5045475	9.75%	0.867%
56	20.357	2949	2953	2957	rVB2	2186169	3241762	6.27%	0.557%
57	20.569	2985	2989	2991	rBV3	858230	1457154	2.82%	0.251%
58	20.710	3010	3013	3018	rVV4	1334818	2653394	5.13%	0.456%
59	20.763	3018	3022	3028	rVB2	2674562	4308182	8.33%	0.741%
60	20.851	3035	3037	3042	rVB	868309	988818	1.91%	0.170%
61	20.927	3043	3050	3054	rBV3	3426185	6274707	12.13%	1.079%
62	20.969	3054	3057	3060	rVV2	3259560	4051509	7.83%	0.697%
63	21.010	3060	3064	3069	rVV2	5624484	9568095	18.49%	1.645%
64	21.057	3069	3072	3084	rVB2	2479200	5055679	9.77%	0.869%
65	21.169	3084	3091	3094	rBV3	1487718	3071321	5.94%	0.528%
66	21.210	3094	3098	3100	rBV	1819619	1984873	3.84%	0.341%
67	21.274	3100	3109	3115	rVV2	18414168	44191008	85.41%	7.597%
68	21.322	3115	3117	3124	rVB	13170234	17905073	34.61%	3.078%
69	21.410	3128	3132	3133	rBV3	807965	1021186	1.97%	0.176%
70	21.439	3133	3137	3142	rBV	3842583	5170167	9.99%	0.889%
71	21.592	3159	3163	3169	rBV2	2998515	4861153	9.40%	0.836%

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Sample : J3721-21
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H22

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-BN061918.M
Title : SVOA CALIBRATION

72	21.645	3169	3172	3180	rVB2	1642798	2807490	5.43%	0.483%
73	21.780	3193	3195	3198	rVB2	822035	669252	1.29%	0.115%
74	21.833	3198	3204	3208	rBV	3758693	6364235	12.30%	1.094%
75	21.886	3210	3213	3220	rVB3	2440205	3548702	6.86%	0.610%
76	21.957	3222	3225	3228	rBV2	938061	1078184	2.08%	0.185%
77	21.986	3228	3230	3234	rVB2	1008014	1032529	2.00%	0.178%
78	22.033	3234	3238	3241	rBV	2461171	3747033	7.24%	0.644%
79	22.133	3250	3255	3264	rVB4	1749847	3413830	6.60%	0.587%
80	22.310	3281	3285	3289	rBV2	1074114	1954367	3.78%	0.336%
81	22.357	3290	3293	3300	rVB5	1524971	2782496	5.38%	0.478%
82	22.439	3303	3307	3308	rBV	523302	732049	1.41%	0.126%
83	22.604	3328	3335	3345	rVB2	2164429	5701991	11.02%	0.980%
84	22.863	3371	3379	3384	rBV	21290980	51740074	100.00%	8.895%
85	23.021	3401	3406	3412	rVB	3974857	6527811	12.62%	1.122%
86	23.157	3424	3429	3438	rBV3	1483480	4167362	8.05%	0.716%
87	23.339	3452	3460	3464	rBV	10978011	22087599	42.69%	3.797%
88	23.386	3464	3468	3471	rVV	3535714	6540133	12.64%	1.124%
89	23.433	3471	3476	3482	rVB	14383206	25919009	50.09%	4.456%
90	23.521	3484	3491	3495	rBV	3414060	7367030	14.24%	1.267%
91	23.568	3495	3499	3507	rVB2	4901195	9907755	19.15%	1.703%
92	24.074	3578	3585	3594	rVB2	2349749	5433743	10.50%	0.934%
93	24.174	3596	3602	3609	rVV4	721039	1873838	3.62%	0.322%
94	24.380	3632	3637	3650	rVB3	1052952	3175289	6.14%	0.546%
95	25.074	3751	3755	3761	rBV2	469170	892448	1.72%	0.153%
96	25.515	3826	3830	3838	rVB3	1265339	2837351	5.48%	0.488%
97	25.762	3862	3872	3881	rVB	6748015	20662045	39.93%	3.552%
98	26.015	3909	3915	3922	rVB	819320	1859461	3.59%	0.320%
99	26.445	3977	3988	4002	rVB	4385172	13721591	26.52%	2.359%
100	28.404	4312	4321	4333	rVB3	824443	2723786	5.26%	0.468%

Sum of corrected areas: 581661783

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
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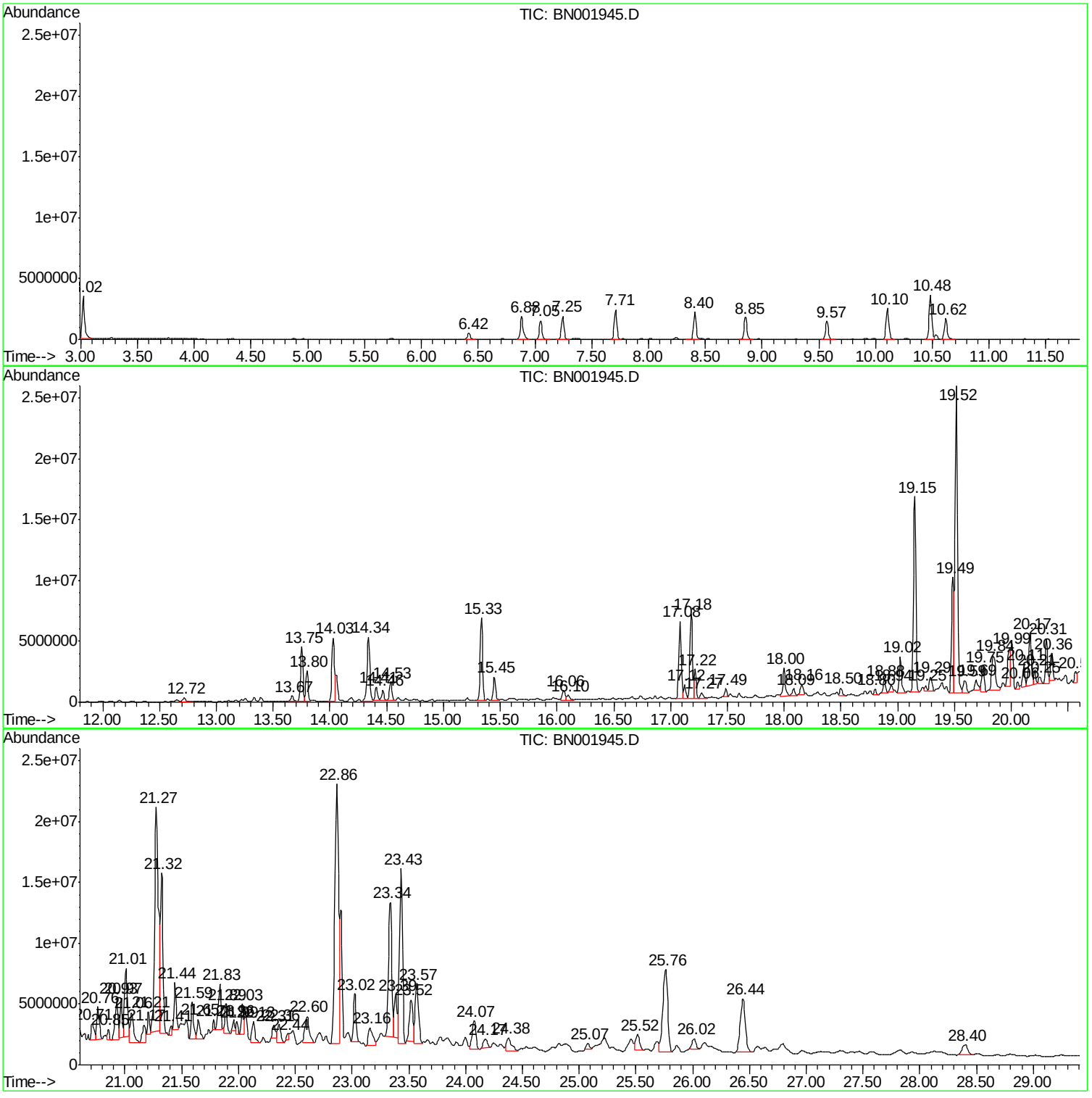
Acq On : 03 Jul 2018 16:06
Operator : JU/SJ
Sample : J3721-21
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H22

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
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Acq On : 03 Jul 2018 16:06
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

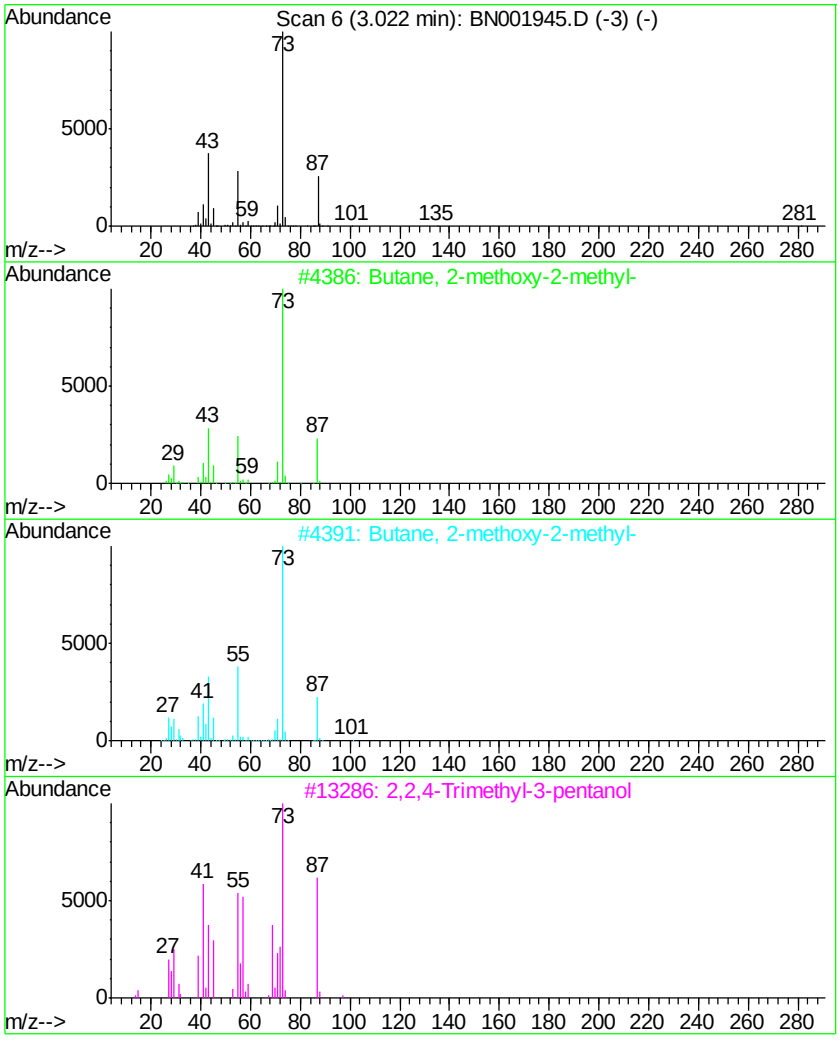
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

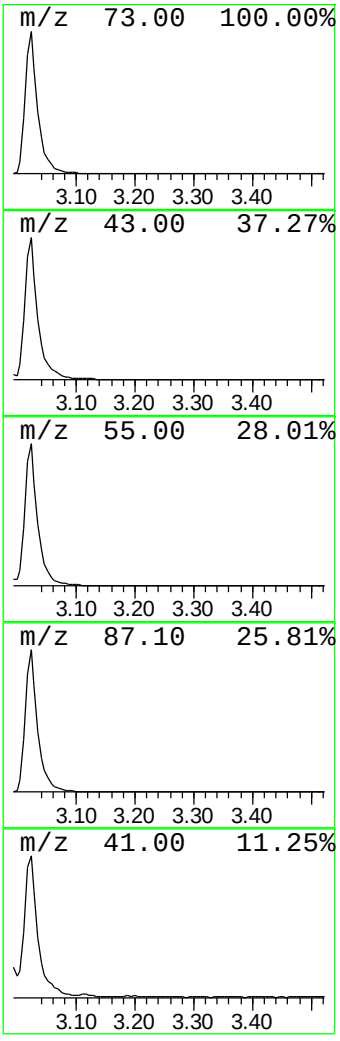
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	25.74 ng/ul	5001130	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	59
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Library Search Compound Report

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Data File : BN001945.D
Acq On : 03 Jul 2018 16:06
Operator : JU/SJ
Sample : J3721-21
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H22

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

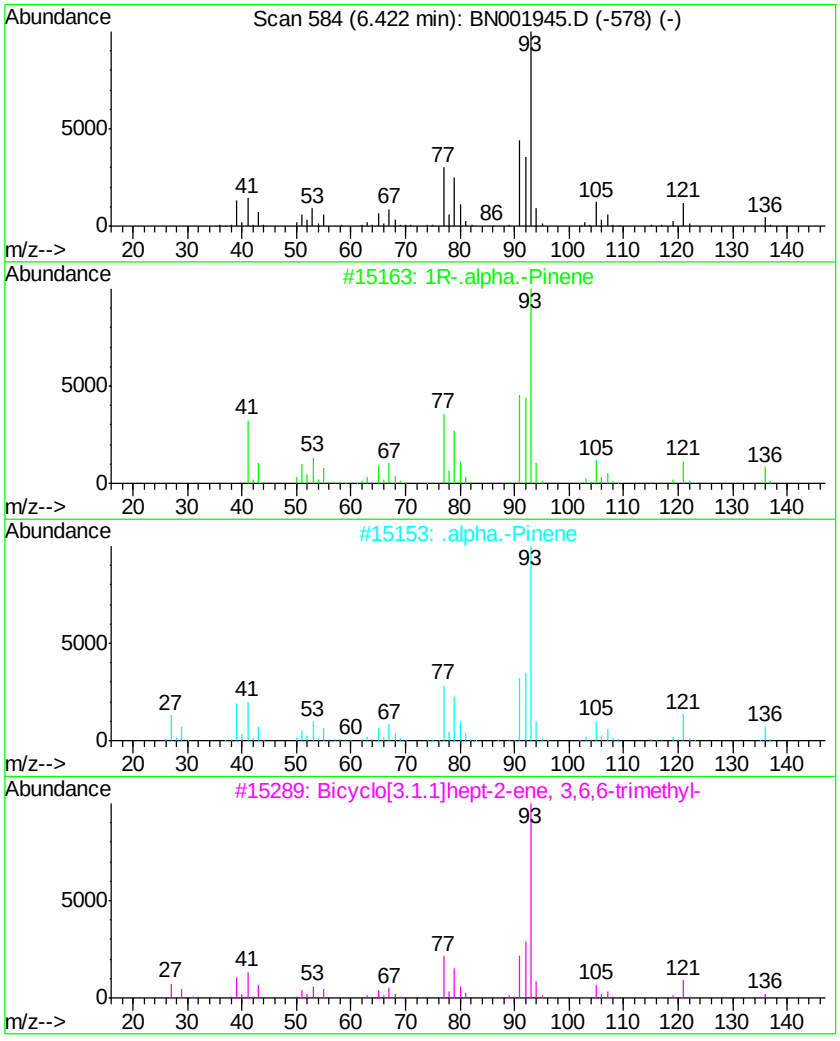
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

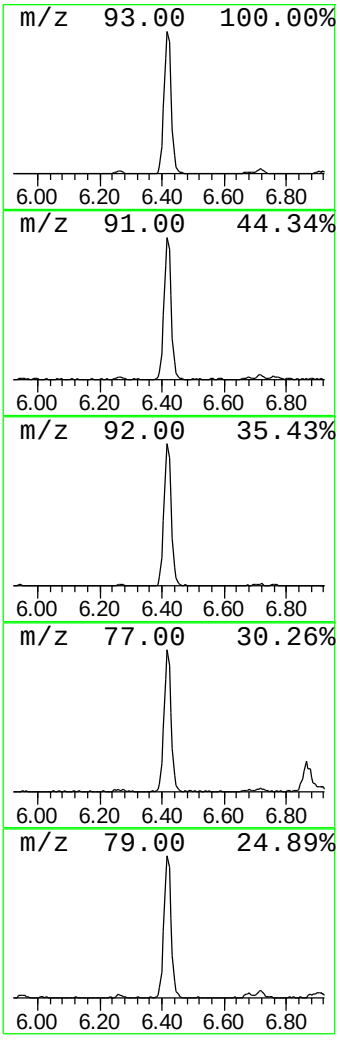
****

Peak Number 2 1R-.alpha.-Pinene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	4.16 ng/ul	807754	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
2	.alpha.-Pinene	136	C10H16	000080-56-8	95
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	94
4	1S-.alpha.-Pinene	136	C10H16	007785-26-4	93
5	1R-.alpha.-Pinene	136	C10H16	007785-70-8	91





Library Search Compound Report

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Instrument : BNA_N
ClientSampleId : F1H22

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

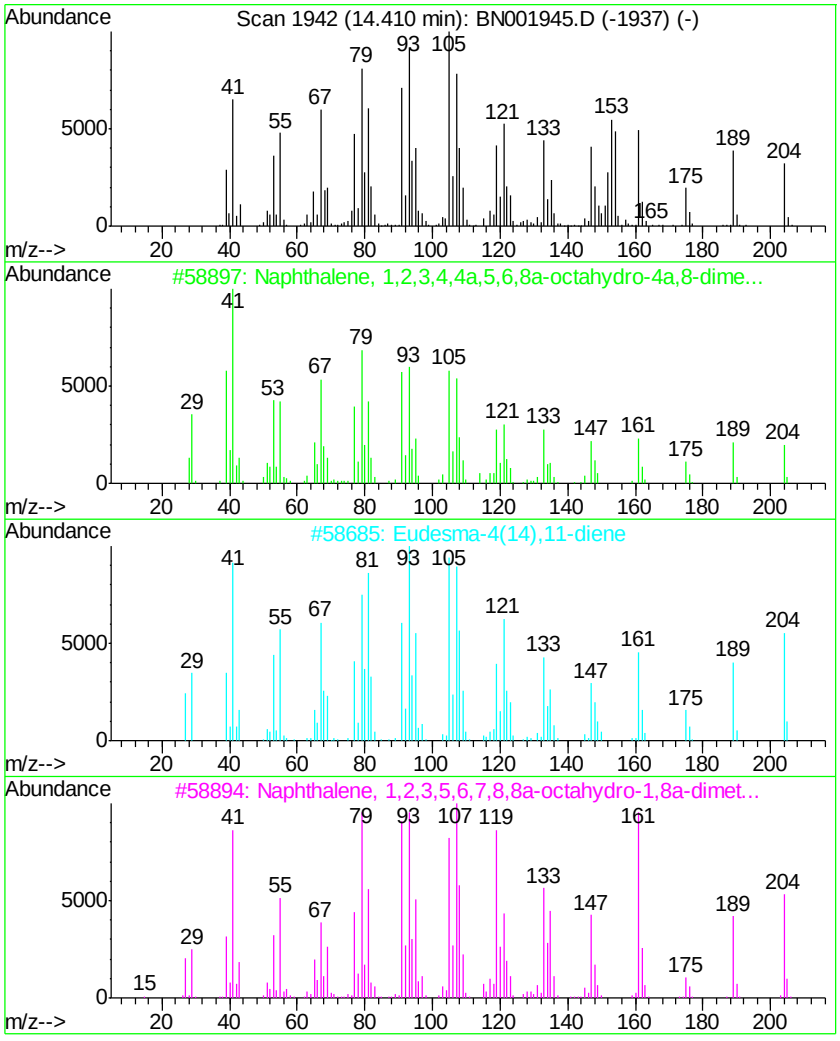
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

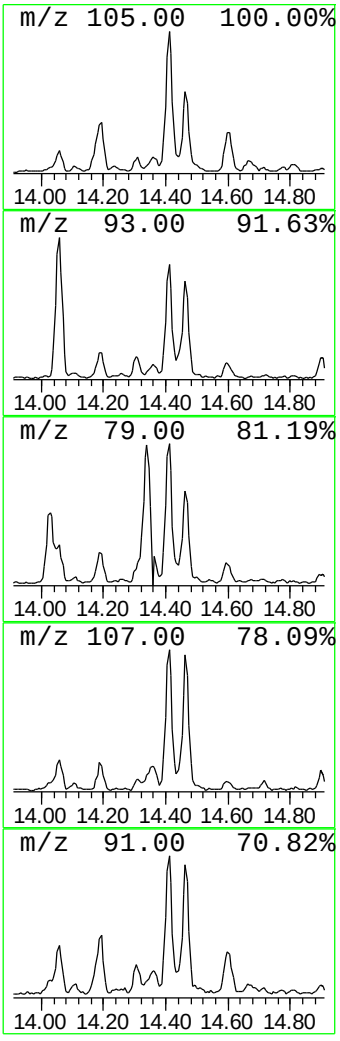
****

Peak Number 3 Naphthalene, 1,2,3,4,4a,5,6... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	4.15 ng/ul	1797410	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	99
2	Eudesma-4(14),11-diene	204	C15H24	1000152-04-3	98
3	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	010219-75-7	92
4	.beta.-Humulene	204	C15H24	000116-04-1	89
5	Longifolene-(V4)	204	C15H24	061262-67-7	89





Library Search Compound Report

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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H22

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

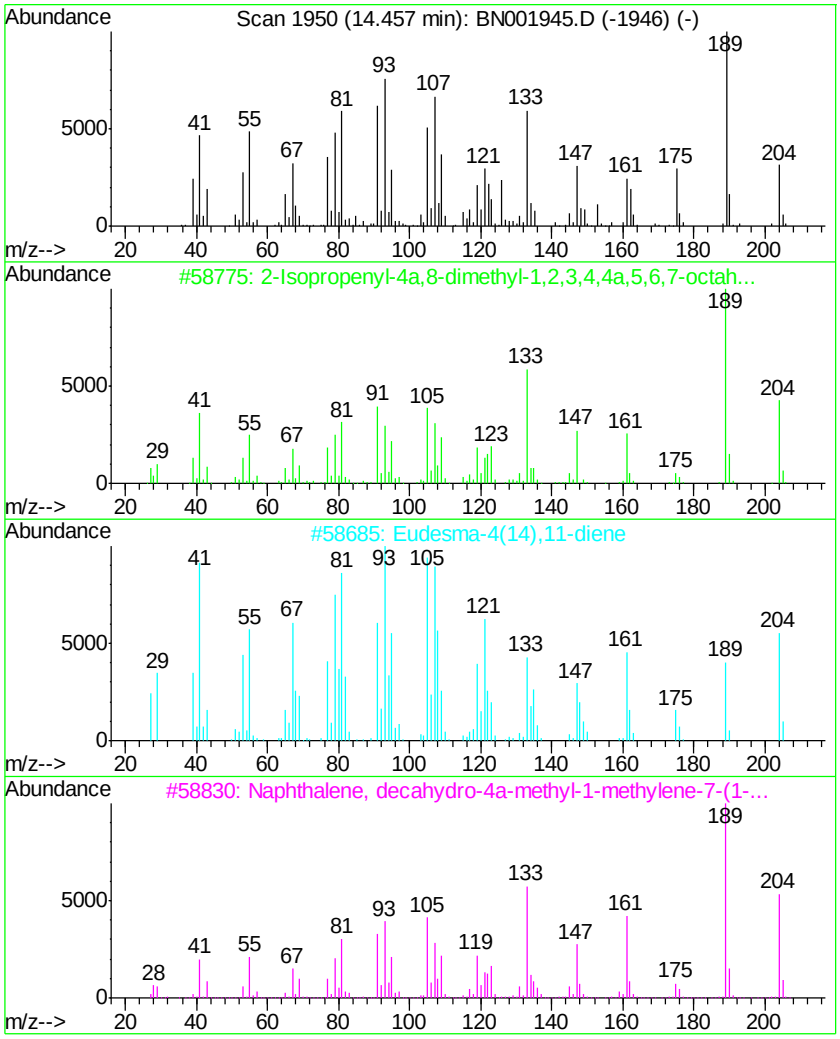
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

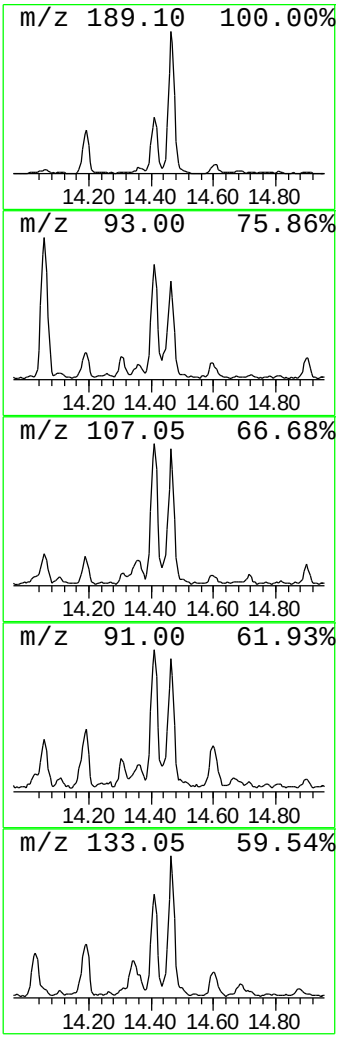
****

Peak Number 4 2-Isopropenyl-4a,8-dimethyl... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	3.00 ng/ul	1299490	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000192-43-5	93
2	Eudesma-4(14),11-diene	204	C15H24	1000152-04-3	64
3	Naphthalene, decahydro-4a-methyl...	204	C15H24	000515-17-3	60
4	2,10,10-Trimethyltricyclo[7.1.1....	204	C14H20O	1000210-81-9	50
5	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	49





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H22

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

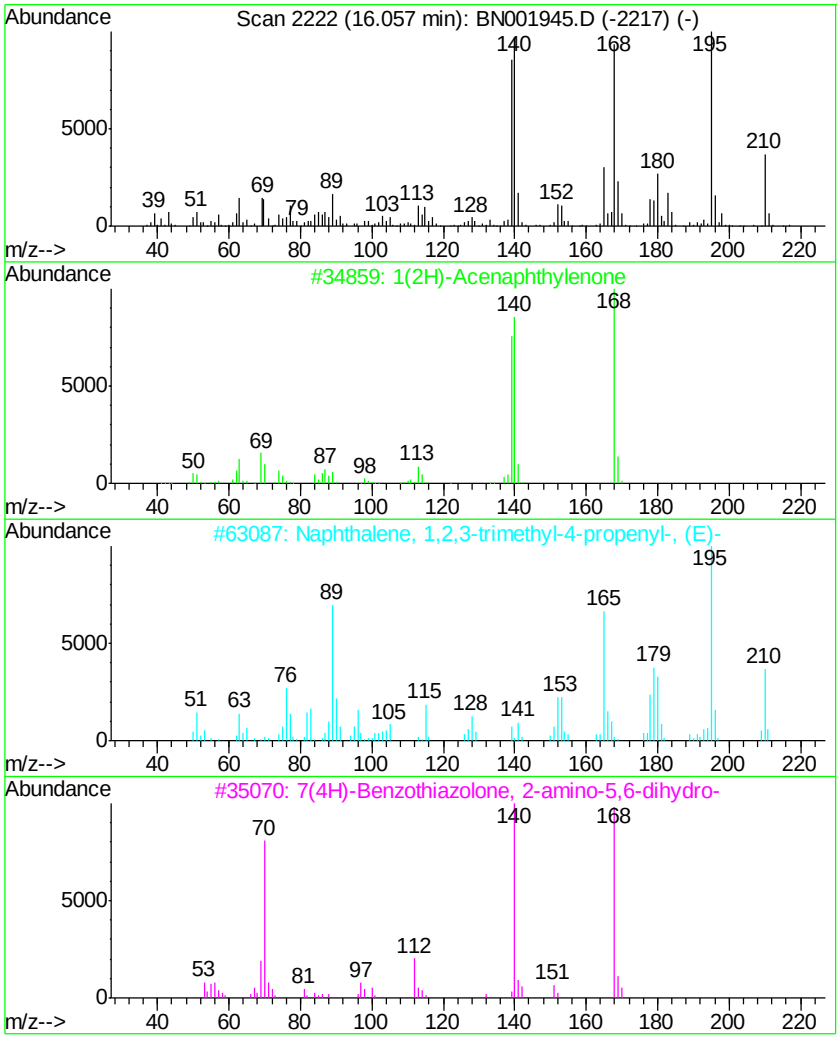
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

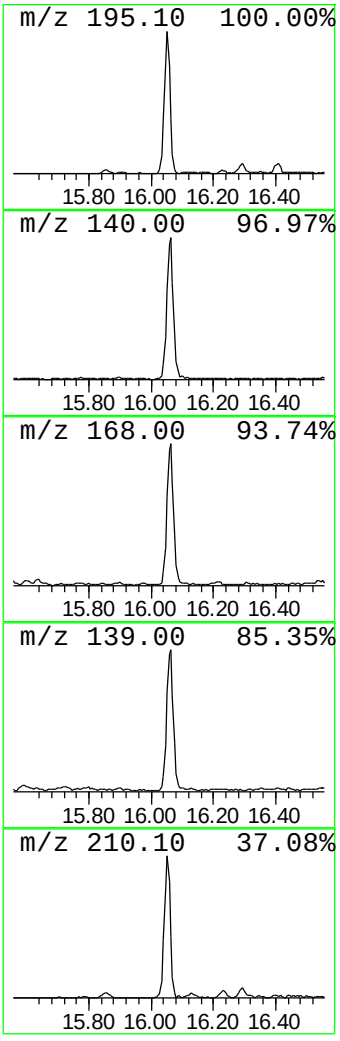
****

Peak Number 5 1(2H)-Acenaphthylenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	3.18 ng/ul	1526570	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	53
2	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	49
3	7(4H)-Benzothiazolone, 2-amino-5...	168	C7H8N2OS	017583-10-7	27
4	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	25
5	Benzenaldehyde, 2-fluoro-5-hydroxy-	140	C7H5FO2	103438-84-2	22





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Operator : JU/SJ
Sample : J3721-21
Misc :
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Instrument : BNA_N
ClientSampleId : F1H22

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Quant Title : SVOA CALIBRATION

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

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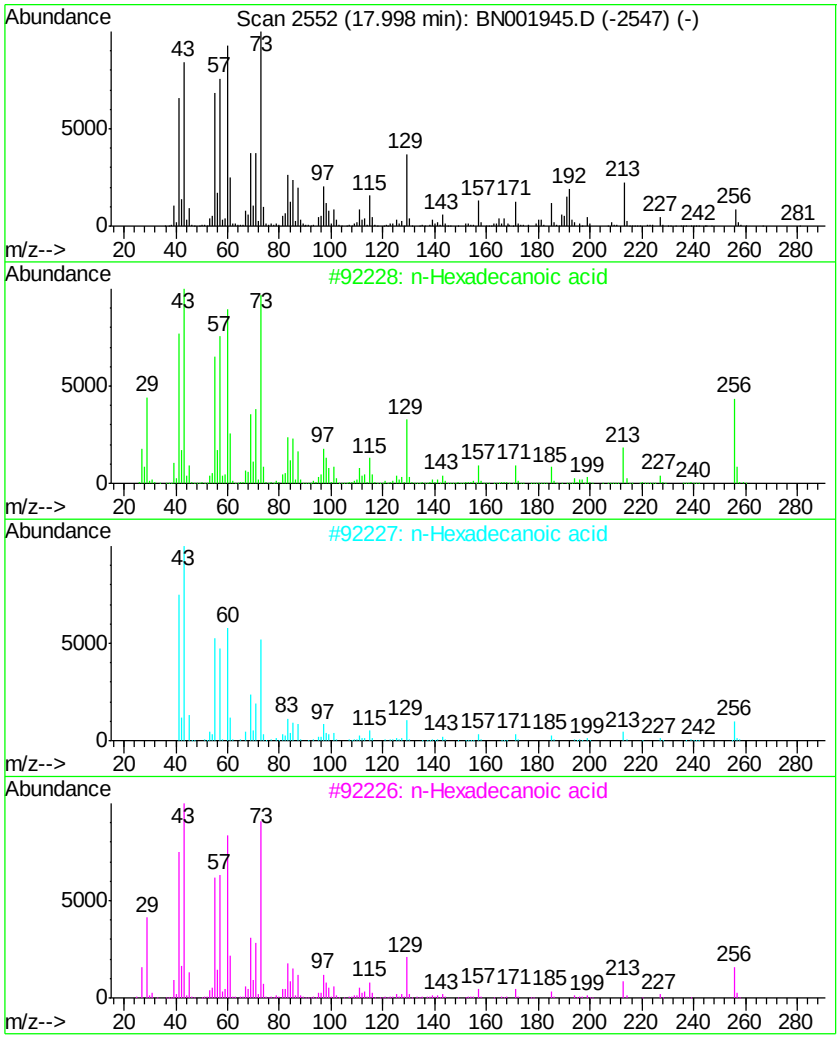
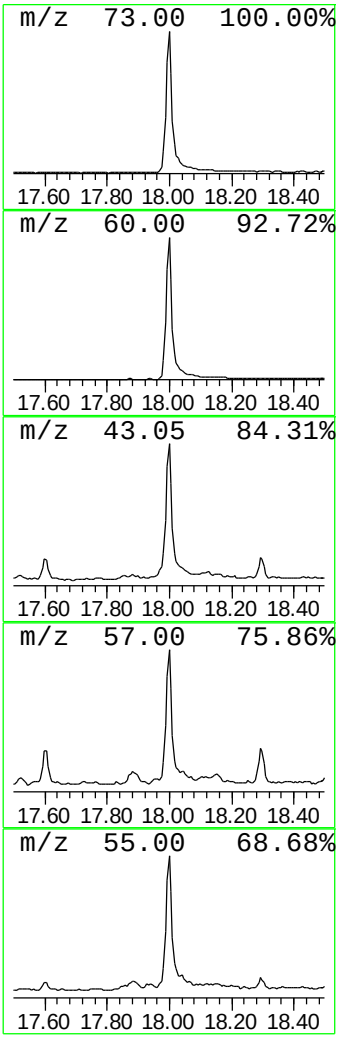
Peak Number 6 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	6.91 ng/ul	3319770	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64





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Quant Title : SVOA CALIBRATION

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

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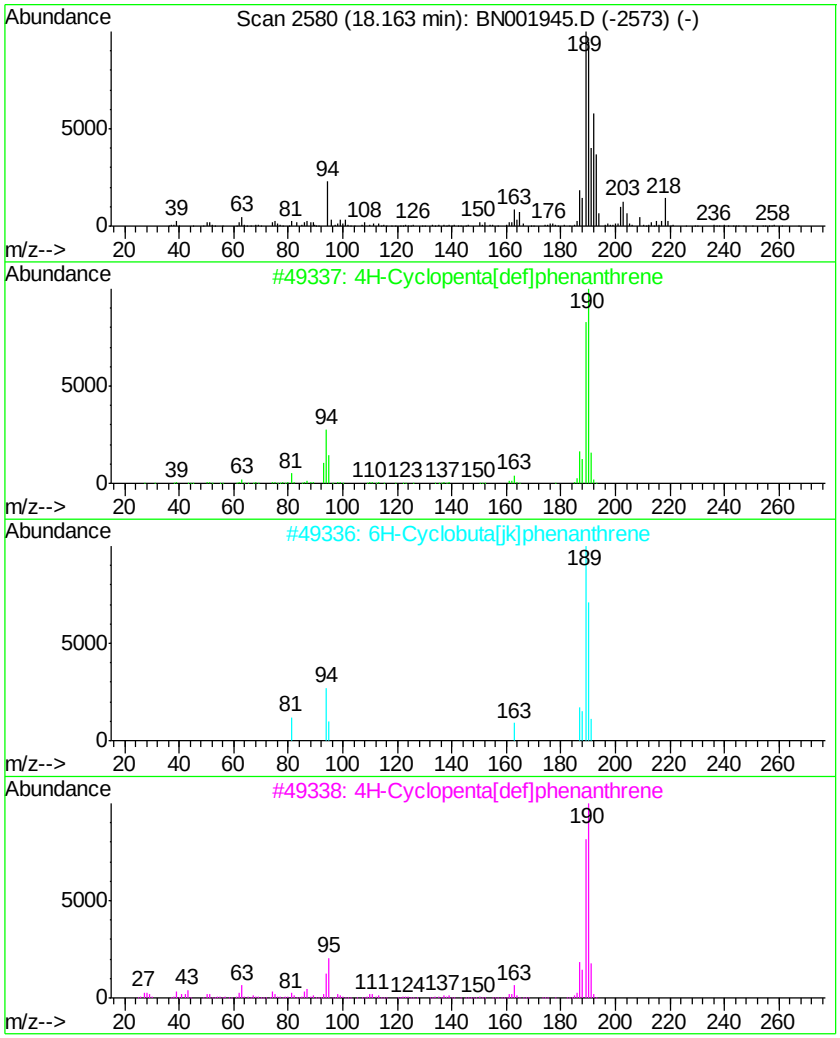
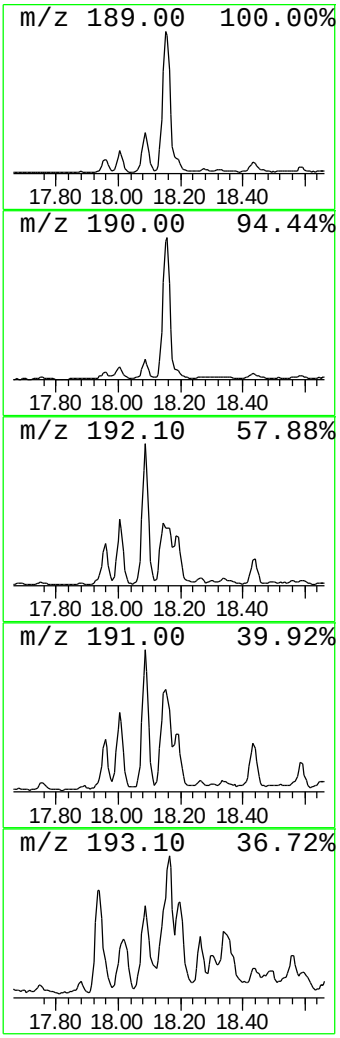
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	3.10 ng/ul	1489620	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





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Quant Title : SVOA CALIBRATION

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

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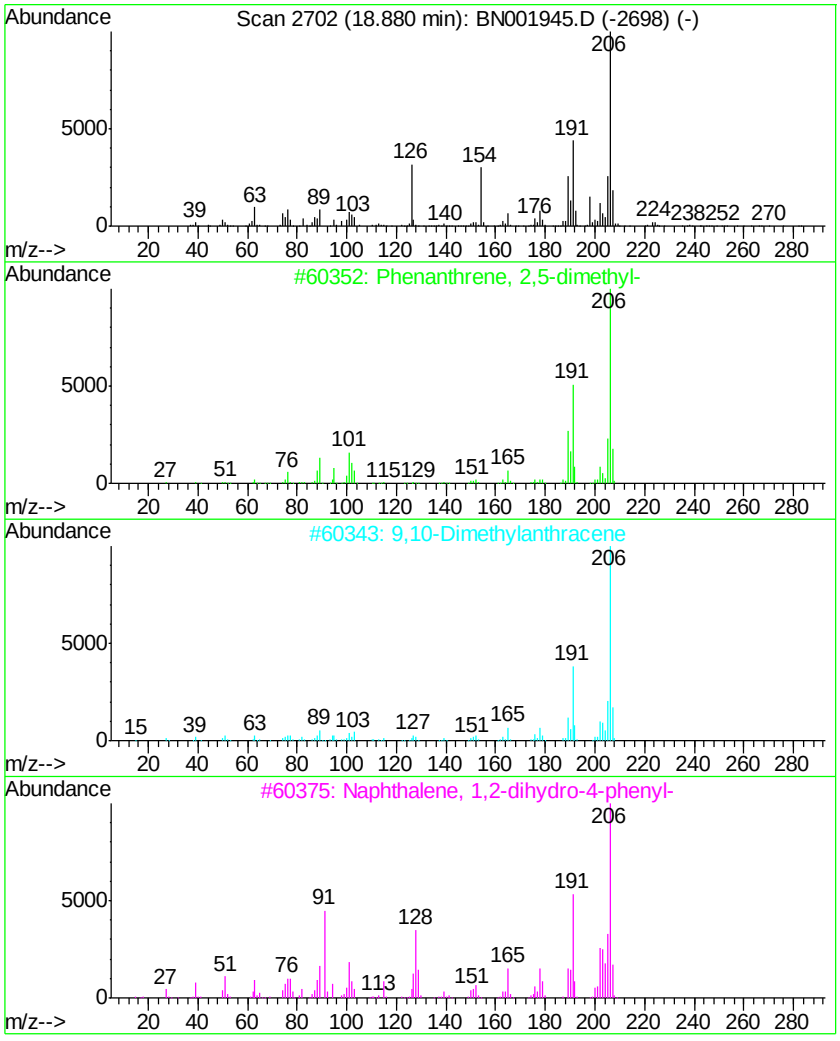
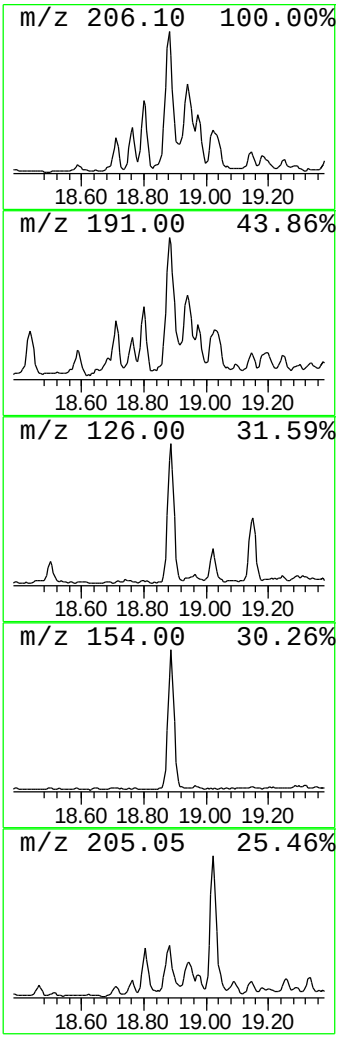
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	3.20 ng/ul	1537910	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H22

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Quant Title : SVOA CALIBRATION

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

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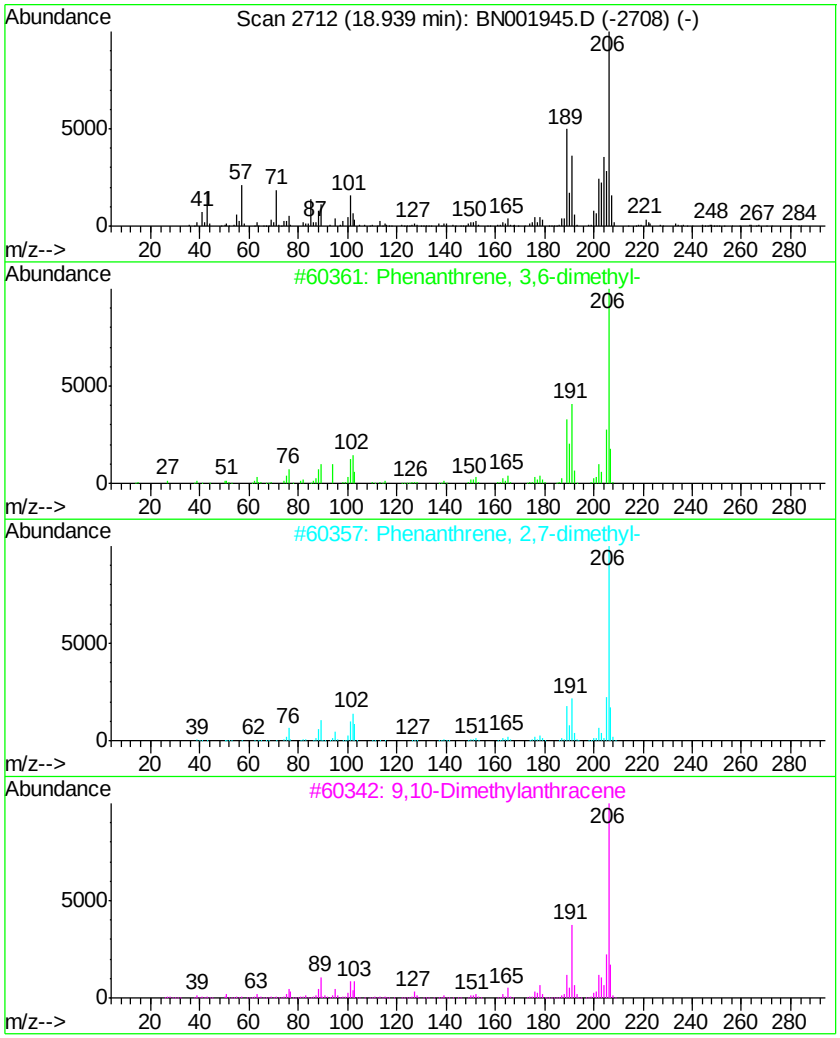
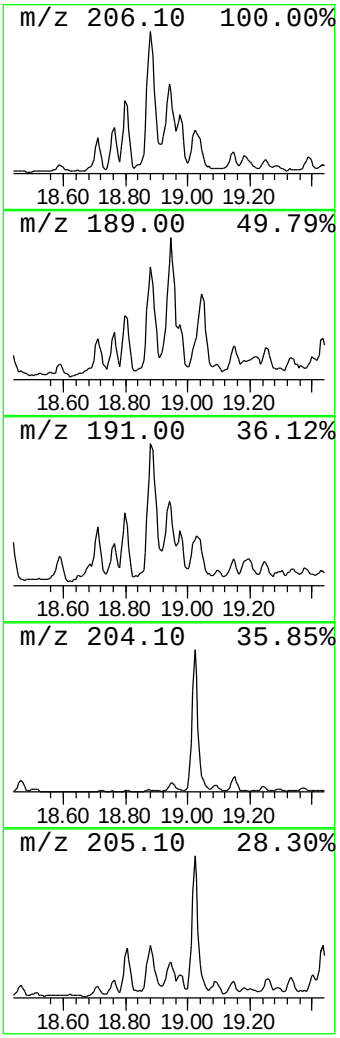
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	2.13 ng/ul	1024510	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	62
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	58
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	53





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Quant Title : SVOA CALIBRATION

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

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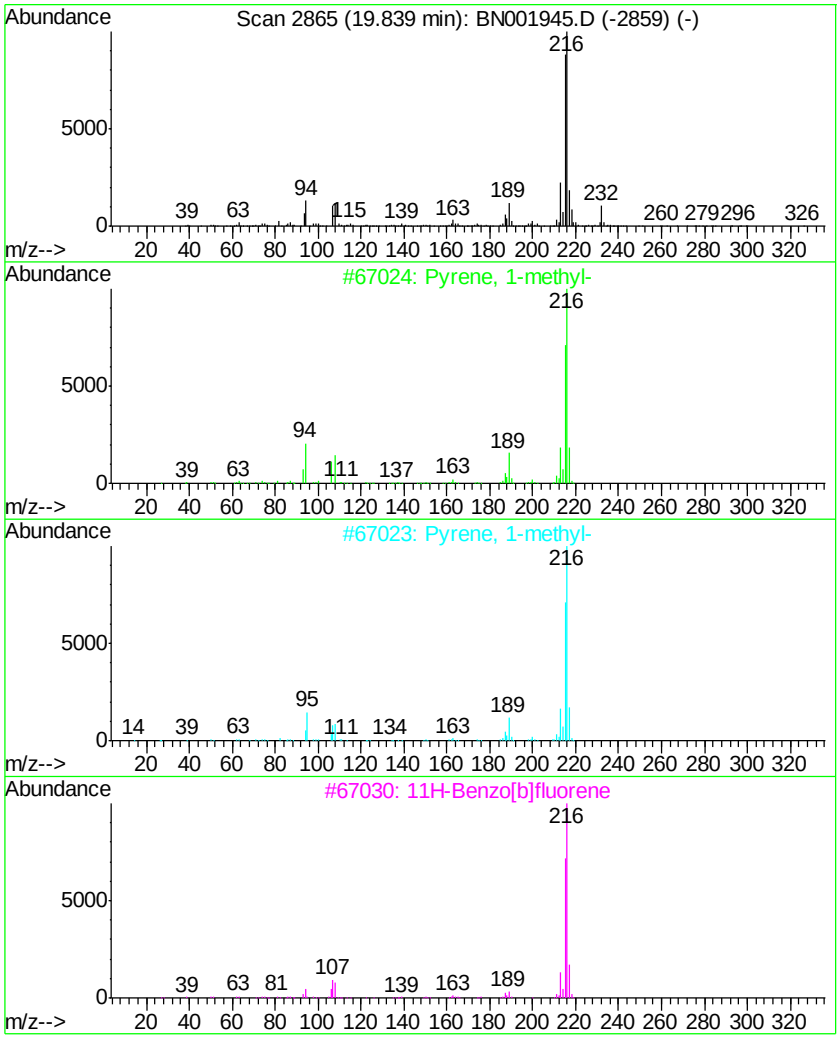
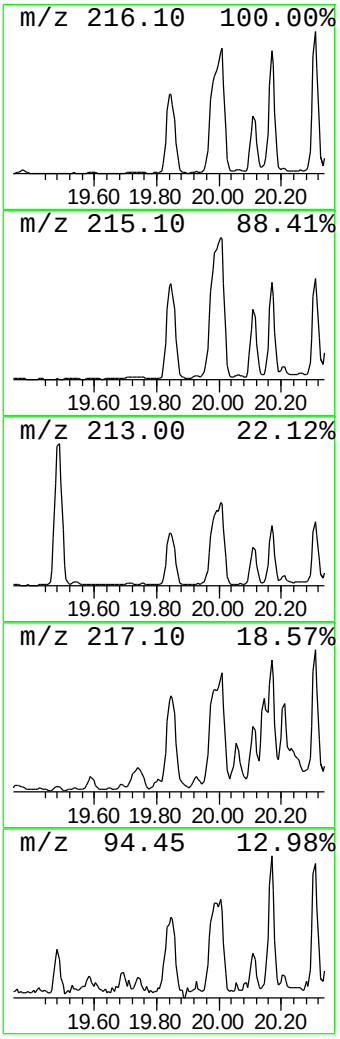
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	3.18 ng/ul	7028120	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Quant Title : SVOA CALIBRATION

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

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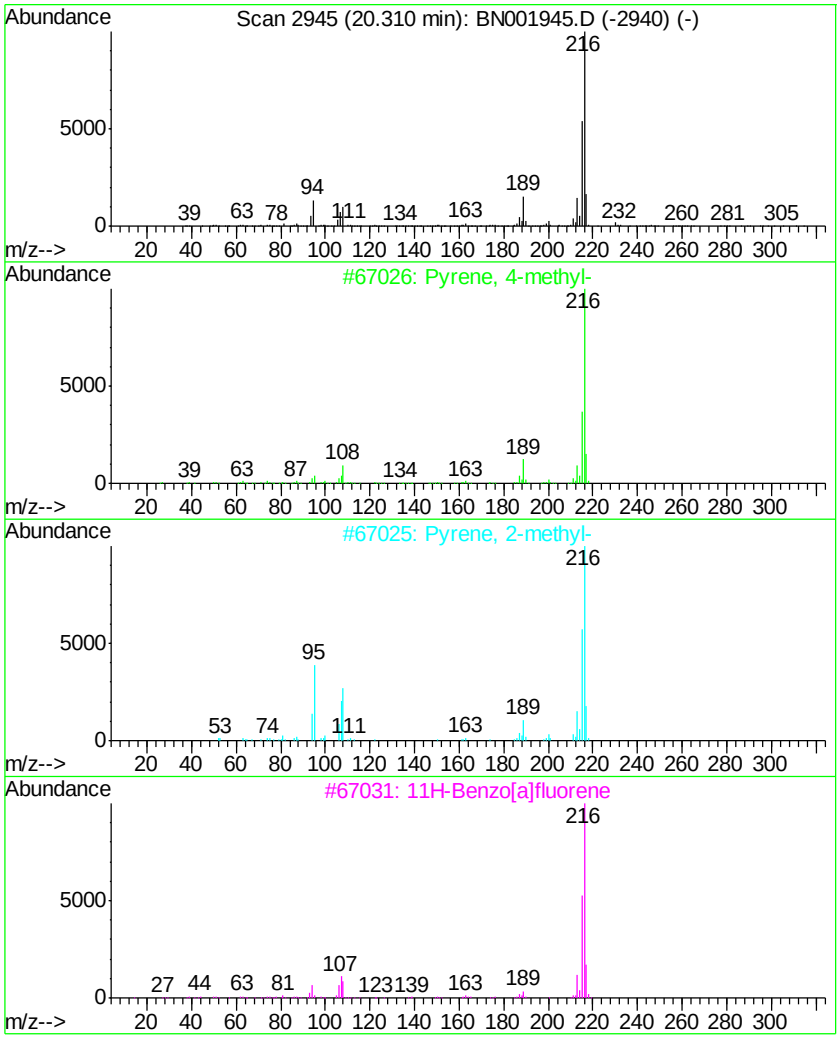
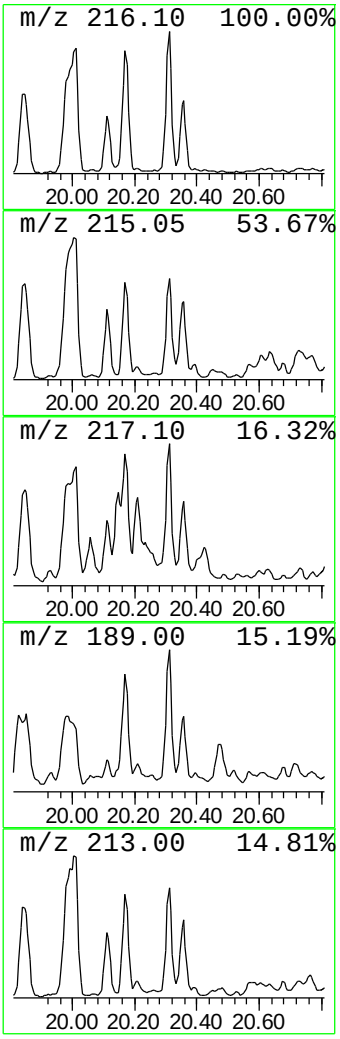
Peak Number 14 Pyrene, 4-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	2.28 ng/ul	5045480	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Misc :
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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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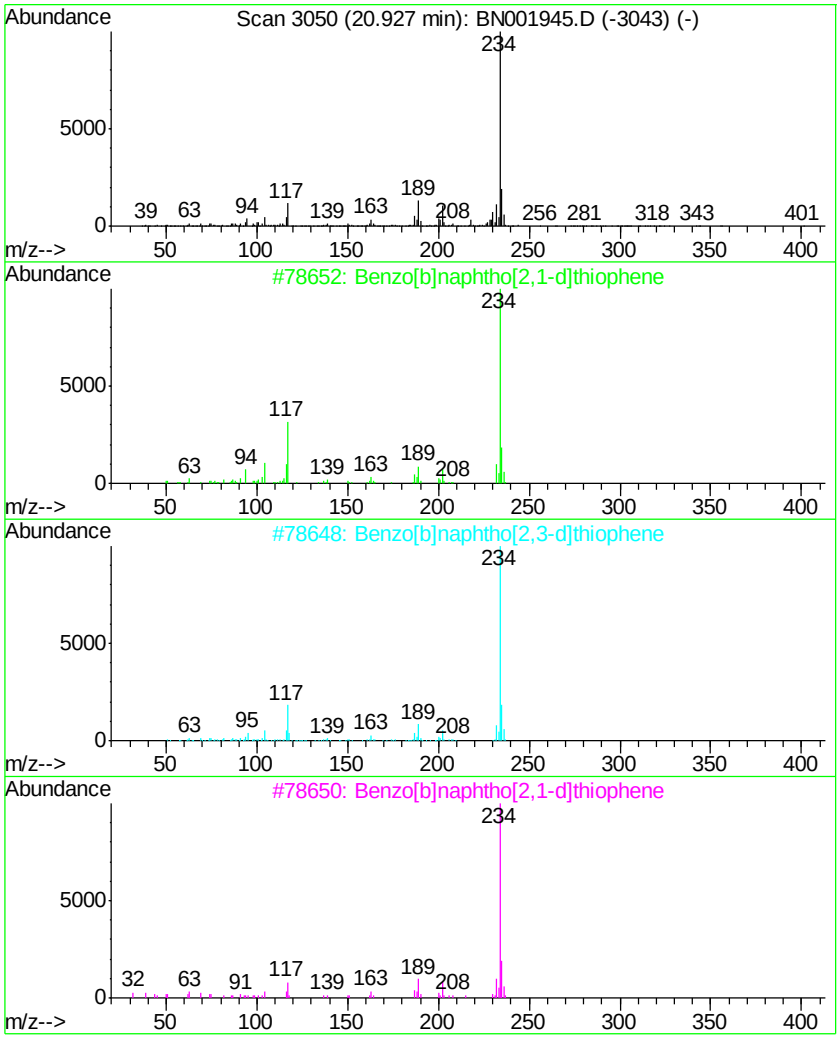
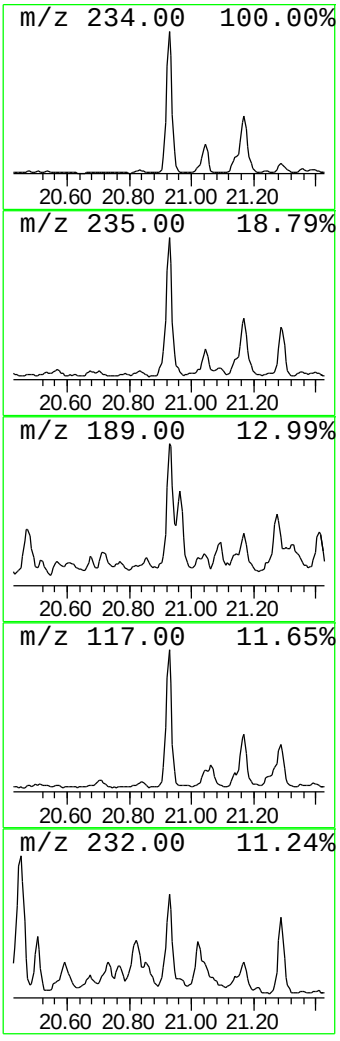
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.84 ng/ul	6274710	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94





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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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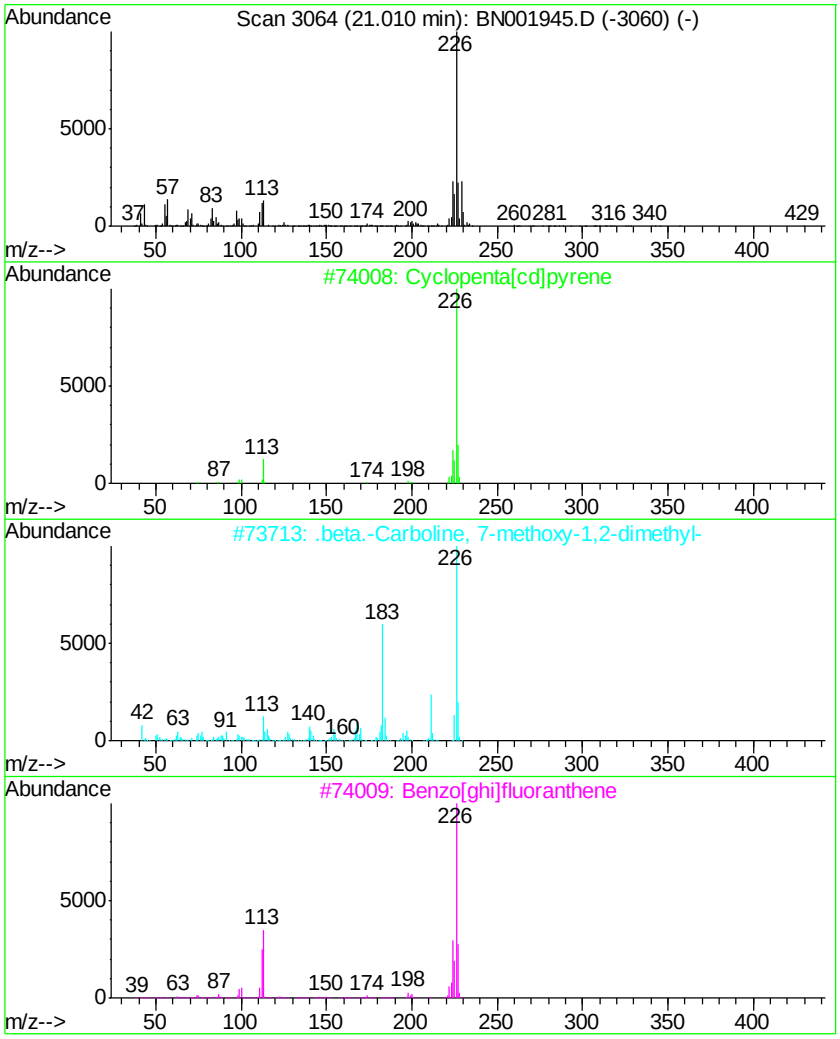
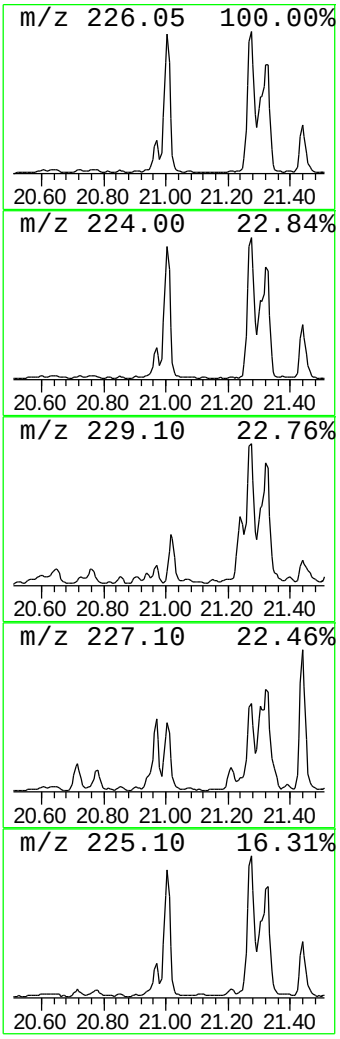
Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.01	4.33 ng/ul	9568100	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	49
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	37
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	28





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Quant Title : SVOA CALIBRATION

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

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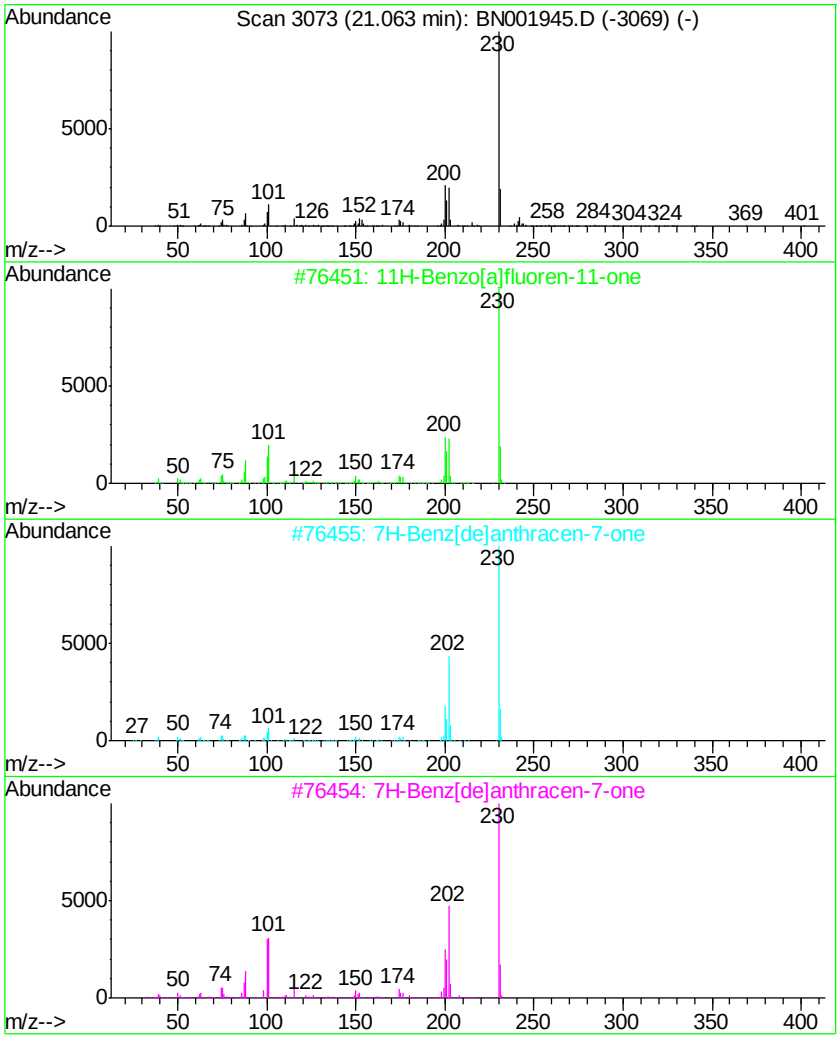
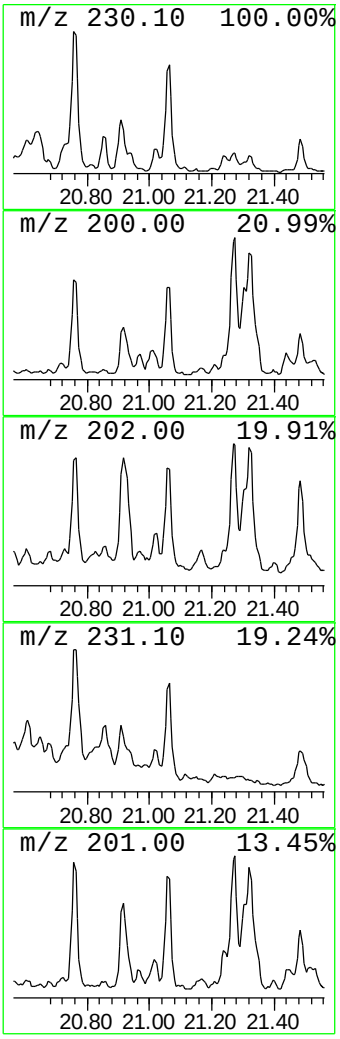
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	2.29 ng/ul	5055680	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





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Quant Title : SVOA CALIBRATION

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

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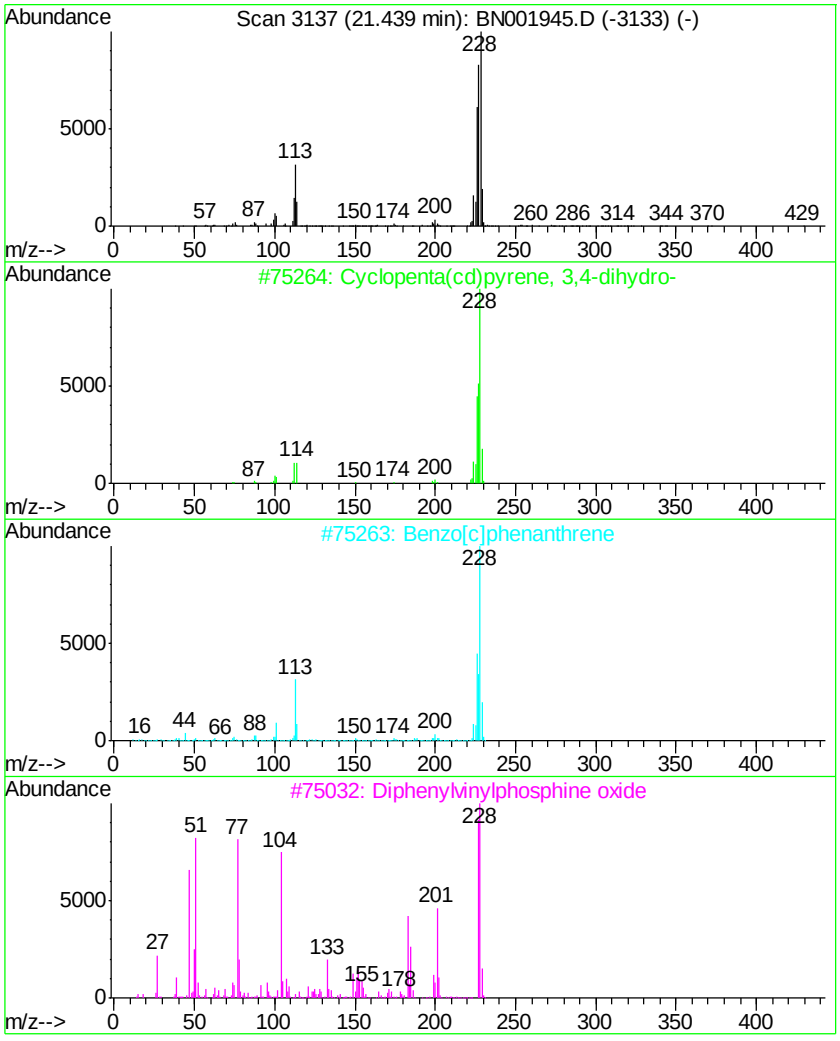
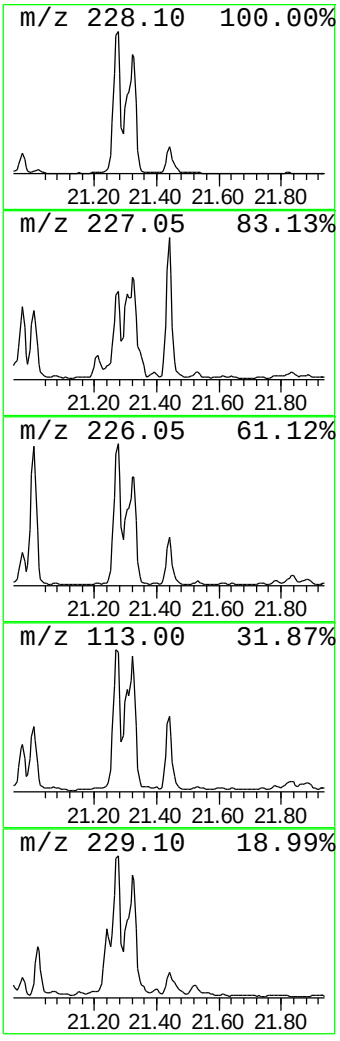
Peak Number 18 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.44	2.34 ng/ul	5170170	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	49
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
5	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47





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

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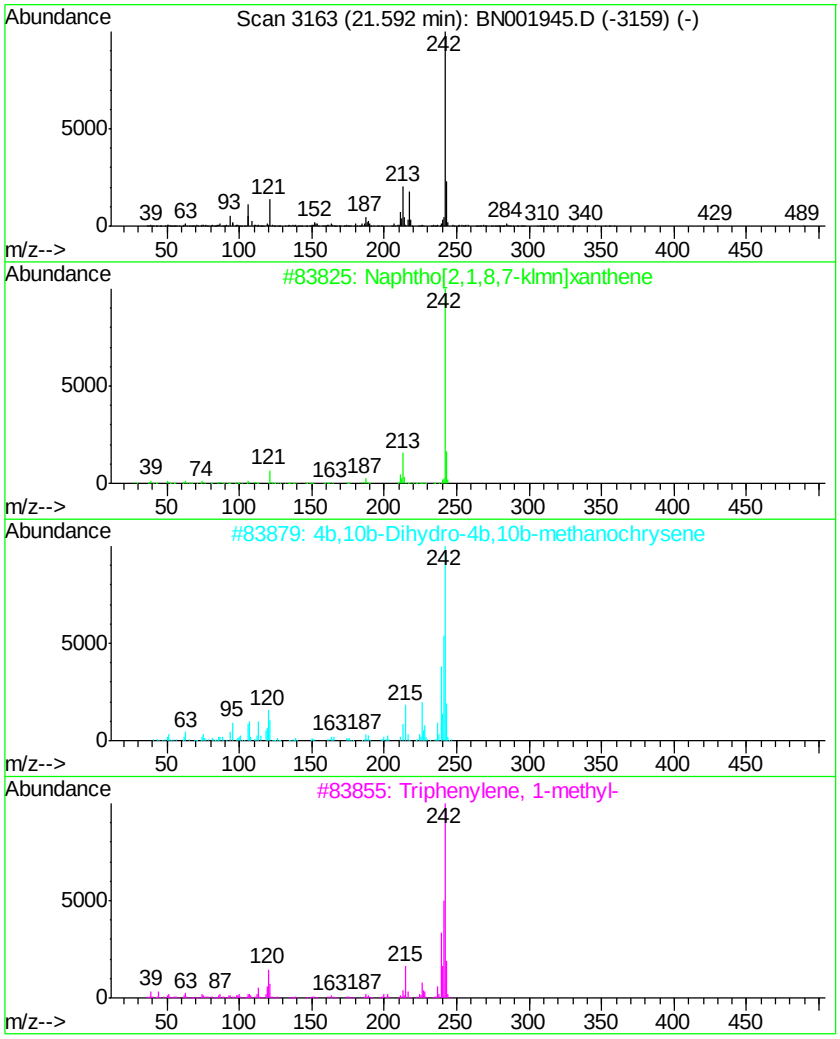
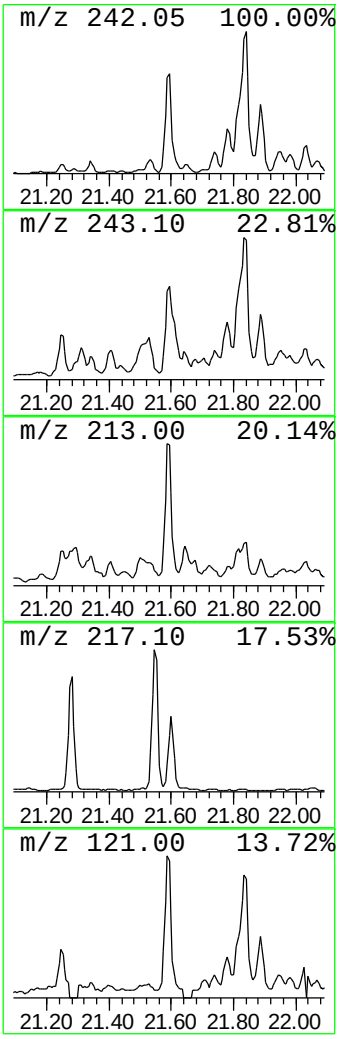
Peak Number 19 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.59	2.20 ng/ul	4861150	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	93
2	4b,10b-Dihydro-4b,10b-methanochr...	242	C19H14	071949-03-6	59
3	Triphenylene, 1-methyl-	242	C19H14	002871-91-2	53
4	Benz[a]anthracene, 9-methyl-	242	C19H14	002381-16-0	53
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	50





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Operator : JU/SJ
Sample : J3721-21
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H22

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

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

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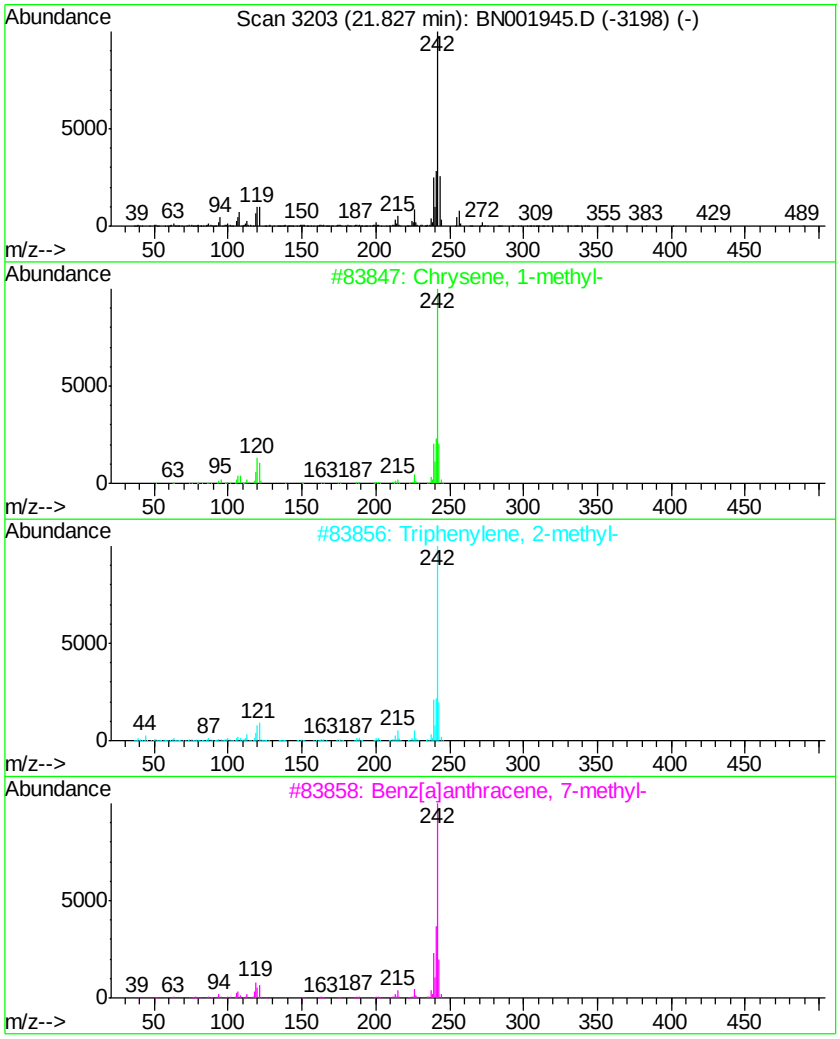
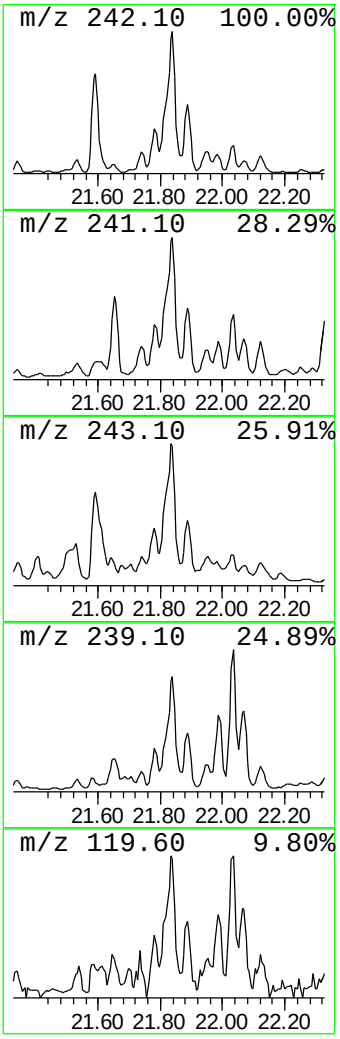
Peak Number 20 Chrysene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	2.88 ng/ul	6364240	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	94
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	92
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	86





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Operator : JU/SJ
Sample : J3721-21
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H22

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

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

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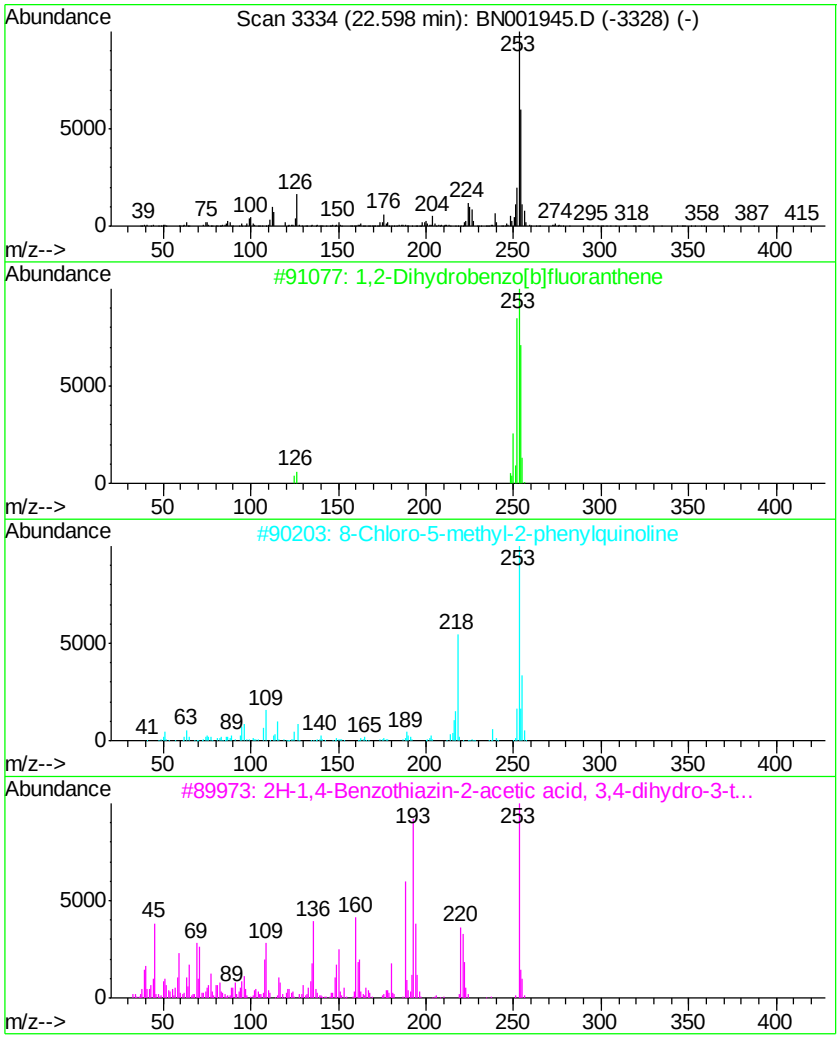
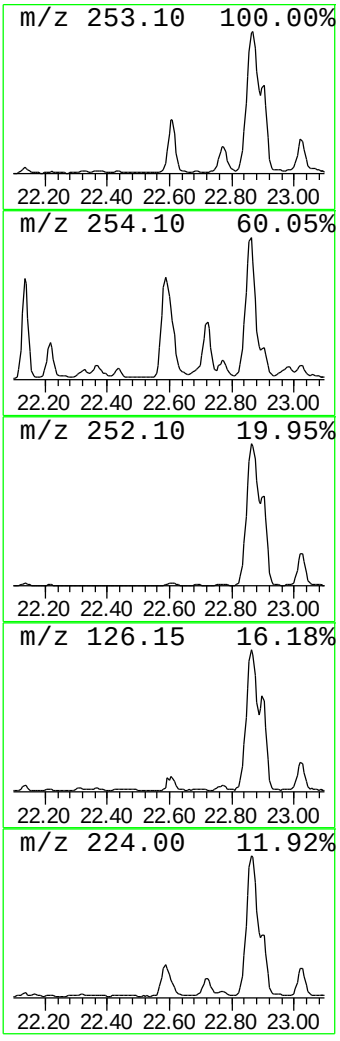
Peak Number 21 1,2-Dihydrobenzo[b]fluorant... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.60	15.48 ng/ul	5701990	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	59
2	8-Chloro-5-methyl-2-phenylquinoline	253	C16H12ClN	025413-16-5	53
3	2H-1,4-Benzothiazin-2-acetic aci...	253	C11H11NO2S2	002832-88-4	43
4	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	38
5	4,6'-Biazulenyl	254	C20H14	094154-49-1	38





Library Search Compound Report

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Operator : JU/SJ
Sample : J3721-21
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H22

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

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

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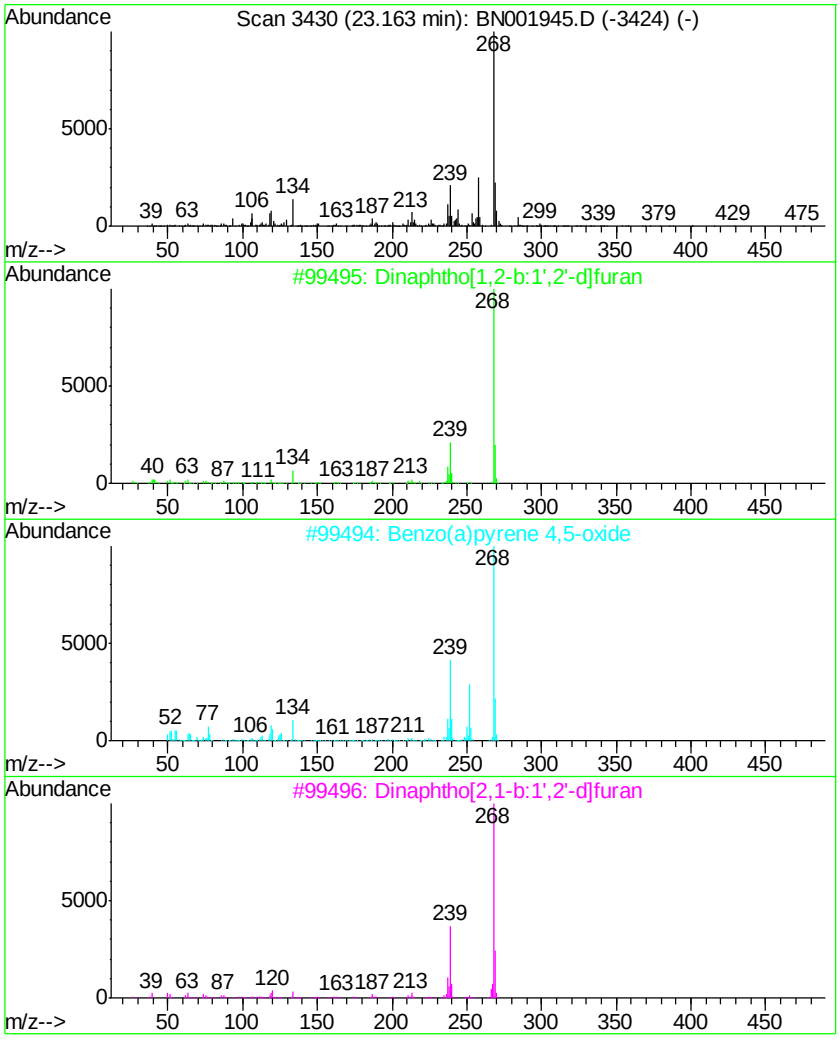
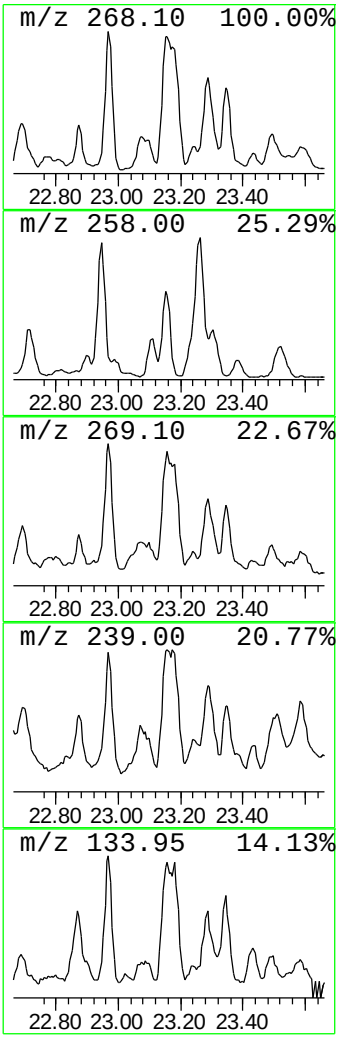
Peak Number 23 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.16	11.31 ng/ul	4167360	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	59
4	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53
5	Benzo[c]pyren-6,7-diol, 4,5-dihy...	433	C29H23NO3	1000124-59-9	53





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Operator : JU/SJ
Sample : J3721-21
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H22

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

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

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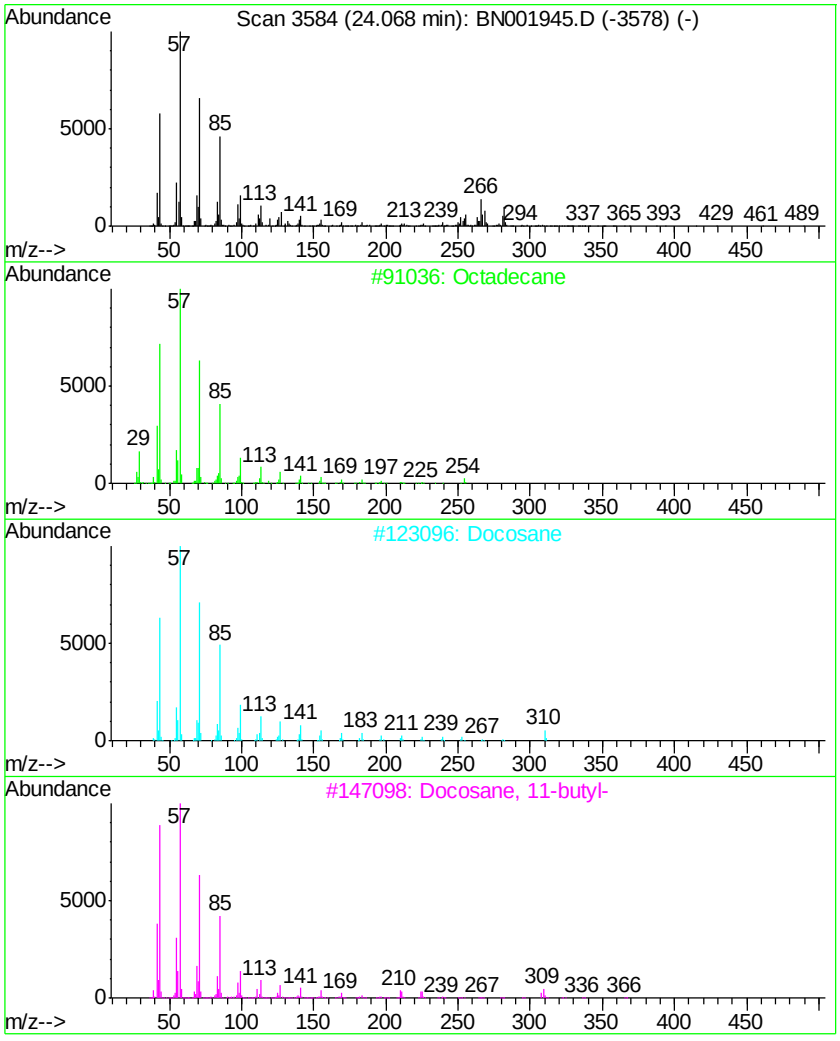
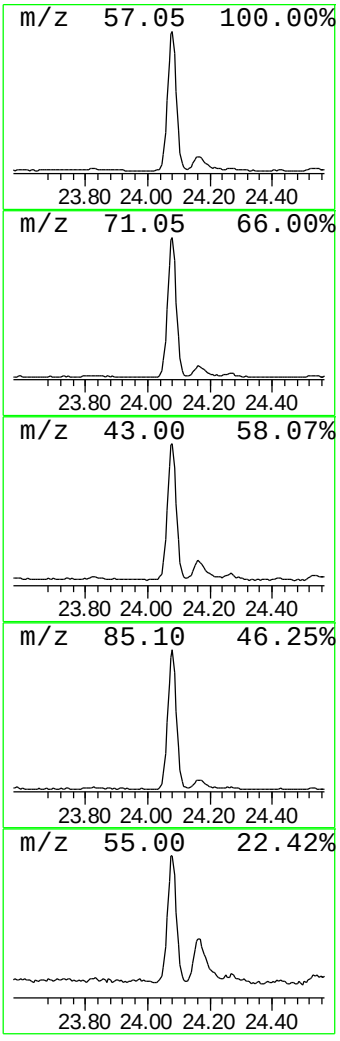
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.07	14.75 ng/ul	5433740	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	98
2	Docosane	310	C22H46	000629-97-0	97
3	Docosane, 11-butyl-	366	C26H54	013475-76-8	93
4	Docosane, 9-butyl-	366	C26H54	055282-14-9	91
5	Eicosane	282	C20H42	000112-95-8	91





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Operator : JU/SJ
Sample : J3721-21
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H22

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

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

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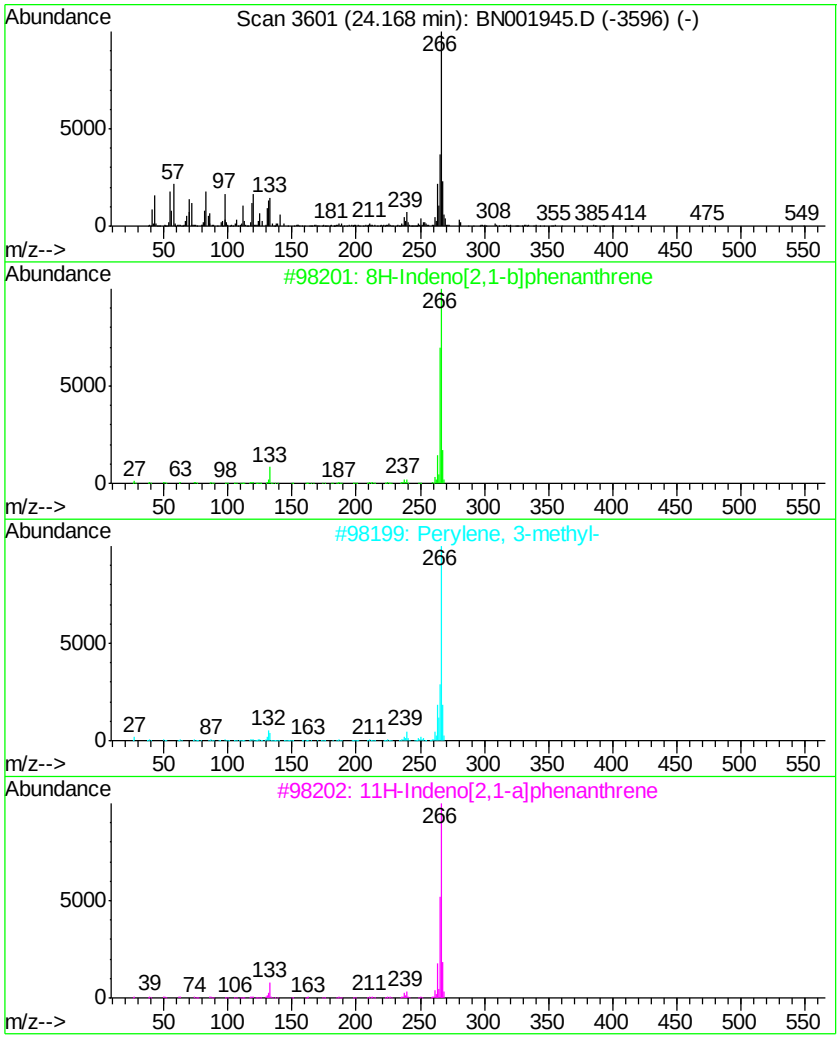
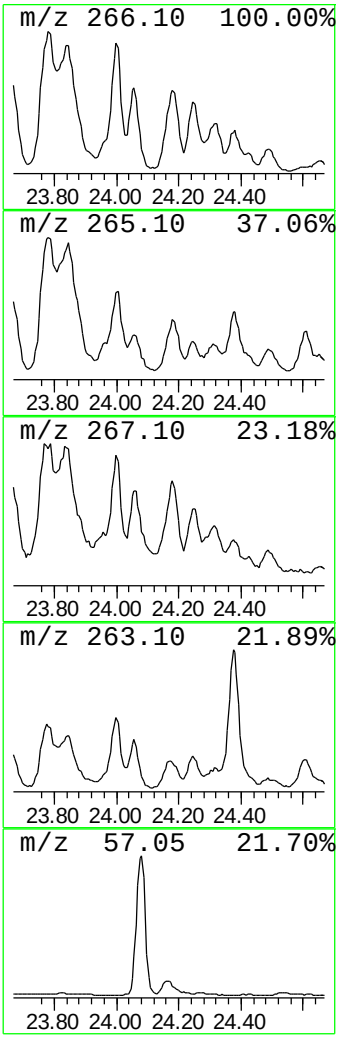
Peak Number 25 8H-Indeno[2,1-b]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.17	5.09 ng/ul	1873840	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	76
2	Perylene, 3-methyl-	266	C21H14	024471-47-4	64
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	64
4	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	53
5	2-Phenylthio-1,4-naphthoquinone	266	C16H10O2S	057341-12-5	52





Library Search Compound Report

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Acq On : 03 Jul 2018 16:06
Operator : JU/SJ
Sample : J3721-21
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H22

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

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

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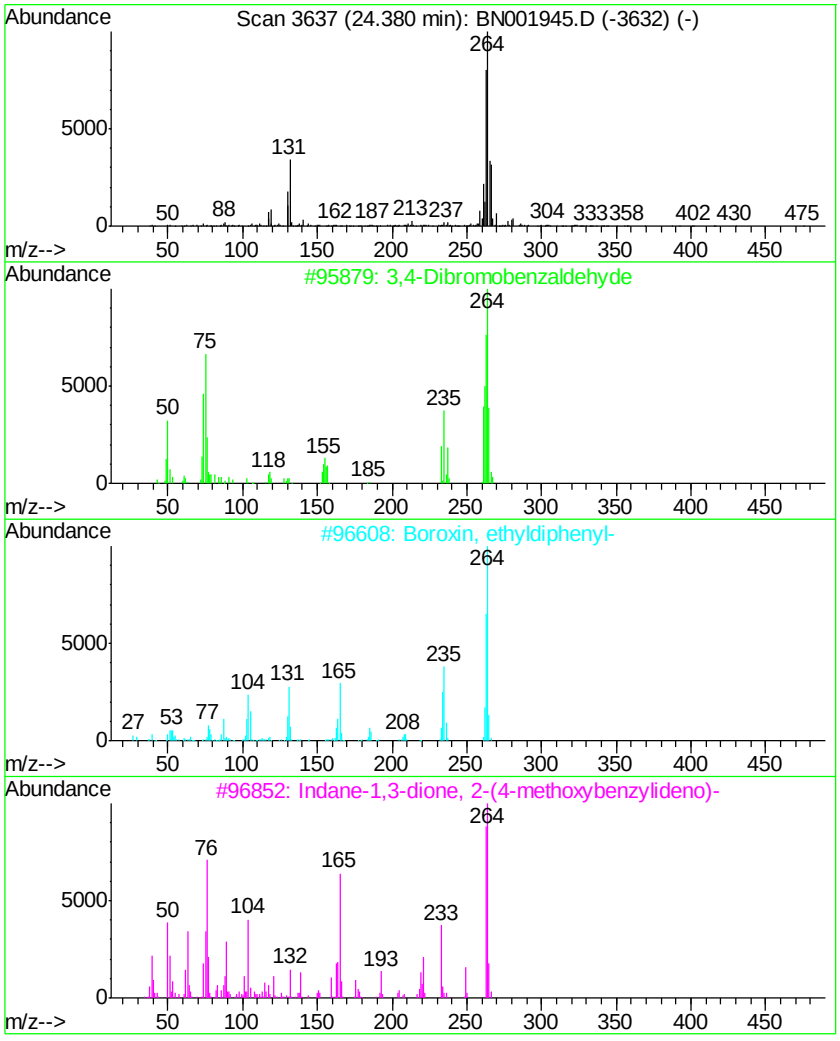
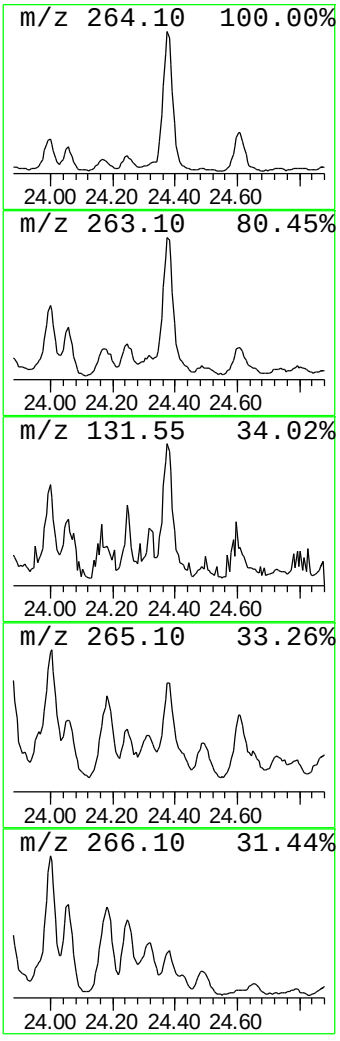
Peak Number 26 3,4-Dibromobenzaldehyde Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.38	8.62 ng/ul	3175290	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	58
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	53
3	Indane-1,3-dione, 2-(4-methoxybe...	264	C17H12O3	007421-76-3	38
4	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	021061-90-5	35
5	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	22





Library Search Compound Report

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Operator : JU/SJ
Sample : J3721-21
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H22

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

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

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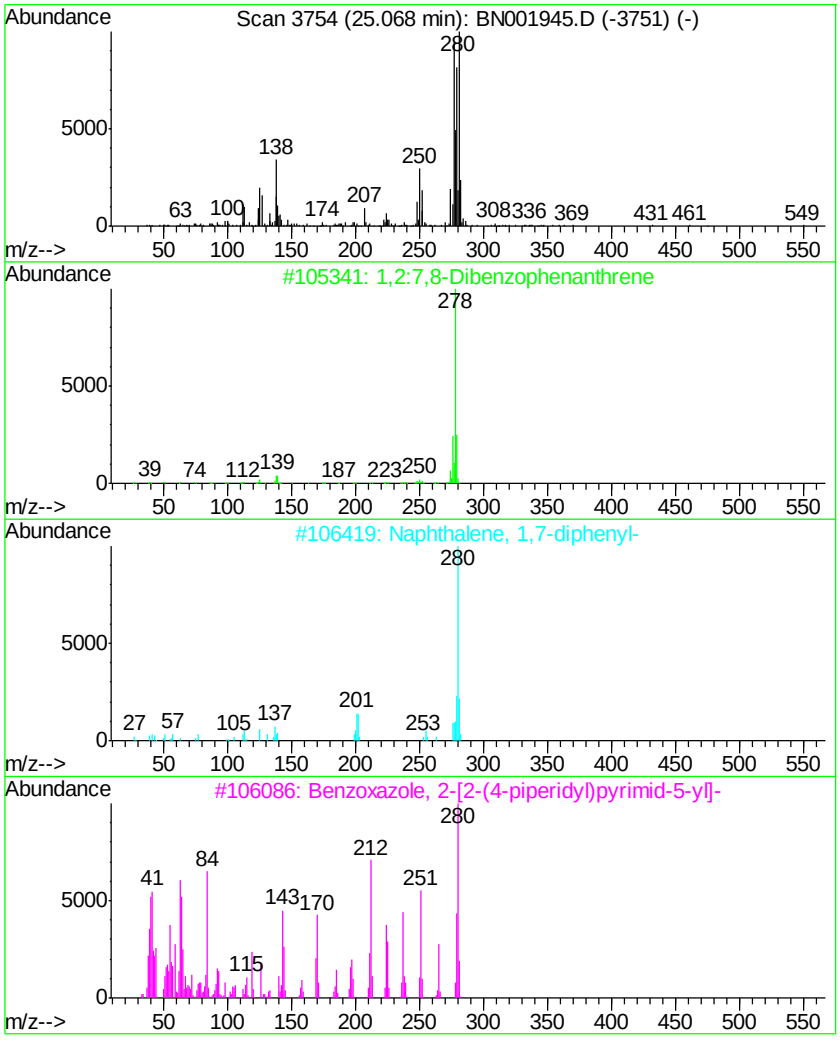
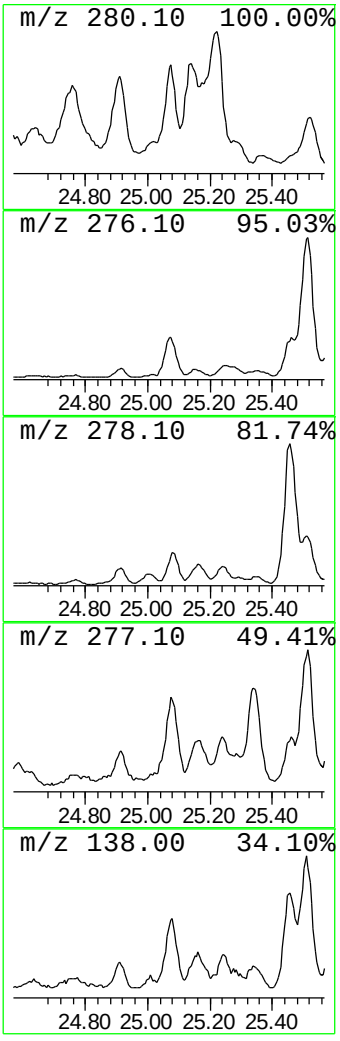
Peak Number 27 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.07	2.42 ng/ul	892448	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	30
2	Naphthalene, 1,7-diphenyl-	280	C22H16	000970-06-9	30
3	Benzoxazole, 2-[2-(4-piperidyl)p...	280	C16H16N4O	1000294-14-8	25
4	Benzo[h]naphtho[1,2-c]cinnoline	280	C20H12N2	000213-51-4	22
5	Curan, 16,17,19,20-tetradehydro-	278	C19H22N2	056053-17-9	22





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Misc :
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Instrument : BNA_N
ClientSampleId : F1H22

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

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

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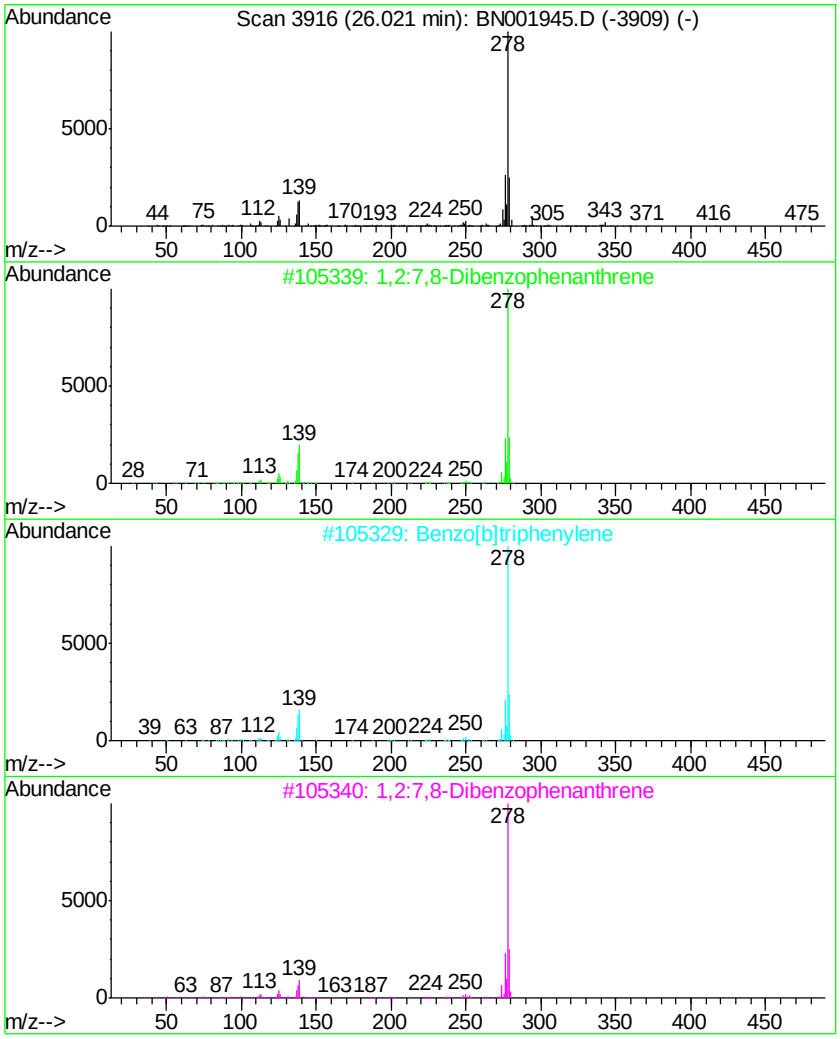
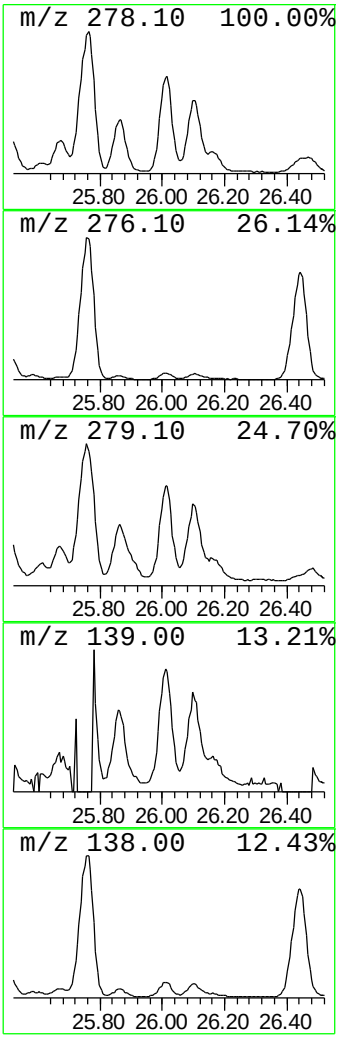
Peak Number 29 1,2:7,8-Dibenzophenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.02	5.05 ng/ul	1859460	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	99
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
4	Benzo[b]chrysene	278	C22H14	000214-17-5	97
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97





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Quant Title : SVOA CALIBRATION

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

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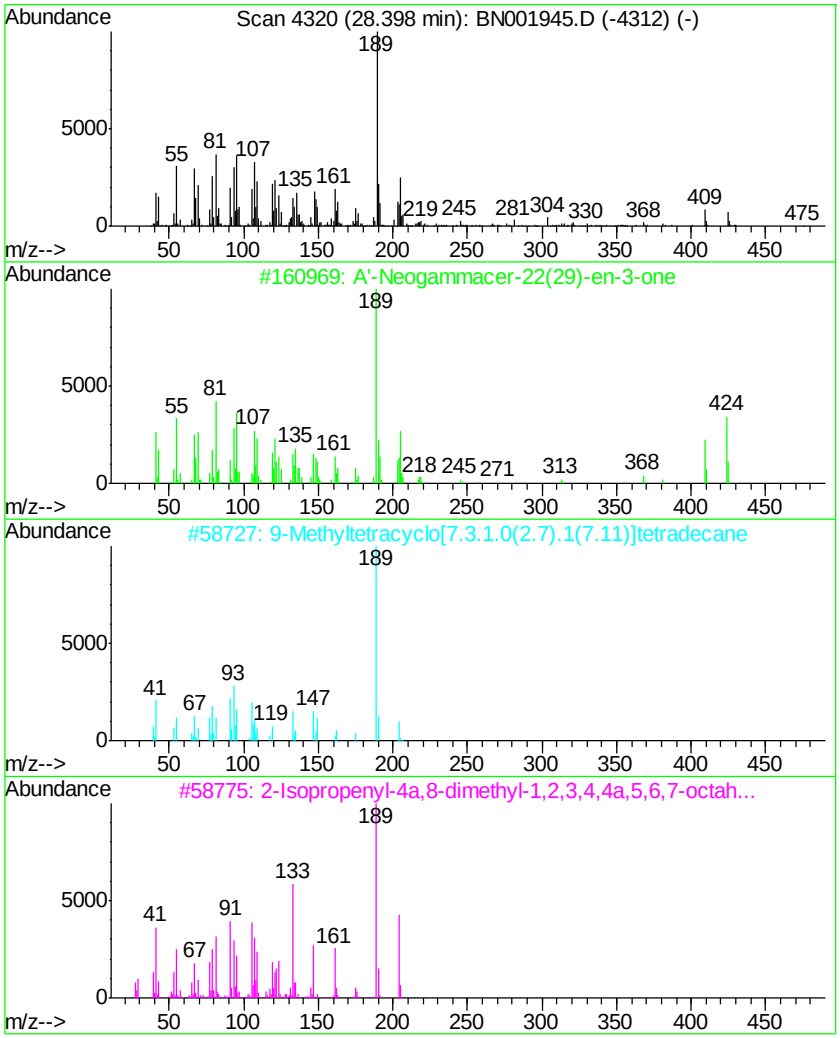
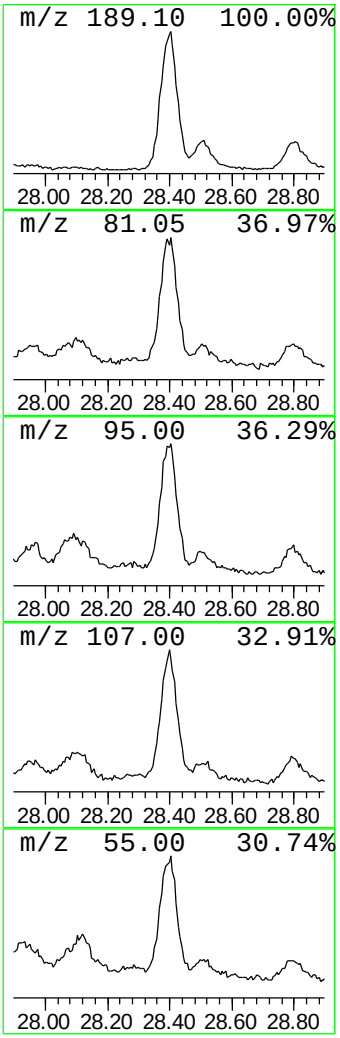
Peak Number 30 A'-Neogammacer-22(29)-en-3-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.40	7.39 ng/ul	2723790	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	A'-Neogammacer-22(29)-en-3-one	424	C30H48O	025615-11-6	98
2	9-Methyltetracyclo[7.3.1.0(2.7)....	204	C15H24	1000215-30-5	49
3	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000192-43-5	42
4	7-Methoxy-1,2,3-trimethylindole	189	C12H15NO	053918-94-8	38
5	Spiro[5.5]undec-2-ene, 3,7,7-tri...	204	C15H24	018431-82-8	37





Tentatively Identified Compound (LSC) summary

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Operator : JU/SJ
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Instrument : BNA_N
ClientSampleId : F1H22

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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
Butane, 2-methoxy...	3.02	25.7	ng/ul	5001130	1	7.71	3886600	20.0
1R-.alpha.-Pinene	6.42	4.2	ng/ul	807754	1	7.71	3886600	20.0
Naphthalene, 1,2,...	14.41	4.2	ng/ul	1797410	3	14.34	8655260	20.0
2-Isopropenyl-4a,...	14.46	3.0	ng/ul	1299490	3	14.34	8655260	20.0
1(2H)-Acenaphthyl...	16.06	3.2	ng/ul	1526570	4	17.08	9605180	20.0
n-Hexadecanoic acid	18.00	6.9	ng/ul	3319770	4	17.08	9605180	20.0
4H-Cyclopenta[def...	18.16	3.1	ng/ul	1489620	4	17.08	9605180	20.0
Phenanthrene, 2,5...	18.88	3.2	ng/ul	1537910	4	17.08	9605180	20.0
Phenanthrene, 3,6...	18.94	2.1	ng/ul	1024510	4	17.08	9605180	20.0
Pyrene, 1-methyl-	19.84	3.2	ng/ul	7028120	5	21.29	44191000	20.0
Pyrene, 4-methyl-	20.31	2.3	ng/ul	5045480	5	21.29	44191000	20.0
Benzo[b]naphtho[2...	20.93	2.8	ng/ul	6274710	5	21.29	44191000	20.0
Cyclopenta[cd]pyrene	21.01	4.3	ng/ul	9568100	5	21.29	44191000	20.0
11H-Benzo[a]fluor...	21.06	2.3	ng/ul	5055680	5	21.29	44191000	20.0
Cyclopenta(cd)pyr...	21.44	2.3	ng/ul	5170170	5	21.29	44191000	20.0
Naphtho[2,1,8,7-k...	21.59	2.2	ng/ul	4861150	5	21.29	44191000	20.0
Chrysene, 1-methyl-	21.83	2.9	ng/ul	6364240	5	21.29	44191000	20.0
1,2-Dihydrobenzo[...	22.60	15.5	ng/ul	5701990	6	23.52	7367030	20.0
Dinaphtho[1,2-b:1...	23.16	11.3	ng/ul	4167360	6	23.52	7367030	20.0
(DEL) Alkane: Str...	24.07	14.8	ng/ul	5433740	6	23.52	7367030	20.0
8H-Indeno[2,1-b]p...	24.17	5.1	ng/ul	1873840	6	23.52	7367030	20.0
3,4-Dibromobenzal...	24.38	8.6	ng/ul	3175290	6	23.52	7367030	20.0
unknown-01	25.07	2.4	ng/ul	892448	6	23.52	7367030	20.0
1,2:7,8-Dibenzoph...	26.02	5.0	ng/ul	1859460	6	23.52	7367030	20.0
A'-Neogammacer-22...	28.40	7.4	ng/ul	2723790	6	23.52	7367030	20.0