LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

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-BN020320MA.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	6.628	614	619	628	rBV2	32728	61443	0.97%	0.112%
2	6.964	671	676	686	rVB2	35586	67341	1.06%	0.123%
3	7.416	747	753	765	rBV	495567	808151	12.72%	1.477%
4	7.946	838	843	851	rBV	38524	63166	0.99%	0.115%
5	8.140	870	876	883	rBV2	44119	79272	1.25%	0.145%
6	8.575	943	950	959	rVB	34893	67755	1.07%	0.124%
7	9.281	1059	1070	1077	rBV2	30676	50702	0.80%	0.093%
8	9.616	1118	1127	1133	rBV6	23372	61139	0.96%	0.112%
9	9.681	1133	1138	1148	rBV2	31817	68210	1.07%	0.125%
10	9.828	1156	1163	1168	rBV2	41290	73912	1.16%	0.135%
11	10.169	1214	1221	1224	rBV	737438	1183489	18.63%	2.163%
12	10.222	1224	1230	1243	rVV	3916585	6351594	100.00%	11.610%
13	10.334	1243	1249	1258	rVV2	82290	150838	2.37%	0.276%
14	11.840	1497	1505	1513	rBV	1923757	3064461	48.25%	5.602%
15	12.063	1533	1543	1552	rBV	1231024	1935323	30.47%	3.538%
16	12.881	1676	1682	1692	rVV	357854	574620	9.05%	1.050%
17	13.081	1710	1716	1728	rVB	75755	171590	2.70%	0.314%
18	13.216	1732	1739	1741	rBV2	225566	359418	5.66%	0.657%
19	13.381	1757	1767	1772	rBV	426533	763017	12.01%	1.395%
20	13.434	1772	1776	1780	rVV	238282	318560	5.02%	0.582%
21	13.510	1782	1789	1796	rVB2	198793	422885	6.66%	0.773%
22	13.616	1802	1807	1811	rBV	210423	313220	4.93%	0.573%
23	13.775	1824	1834	1844	rBV	1261914	2028891	31.94%	3.709%
24	13.993	1866	1871	1875	rBV	42771	59409	0.94%	0.109%
25	14.063	1876	1883	1889	rVV3	1068796	1723051	27.13%	3.150%
26	14.122	1889	1893	1897	rVV	121391	178495	2.81%	0.326%
27	14.157	1897	1899	1904	rVB	61376	78802	1.24%	0.144%
28	14.293	1914	1922	1928	rBV2	27677	73186	1.15%	0.134%
29	14.375	1931	1936	1942	rVB5	38535	71670	1.13%	0.131%
30	14.469	1942	1952	1961	rBV2	164132	316647	4.99%	0.579%
31	14.551	1961	1966	1971	rVB	89446	117317	1.85%	0.214%
32	14.687	1982	1989	1994	rBV3	92375	201478	3.17%	0.368%
33	14.745	1995	1999	2003	rVB	61933	82522	1.30%	0.151%
34	14.845	2010	2016	2017	rBV2	43983	54269	0.85%	0.099%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

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-BN020320MA.M
Title : SVOA CALIBRATION

35	14.945	2028	2033	2039	rVB3	148755	234712	3.70%	0.429%
36	15.022	2041	2046	2049	rBV5	32942	64068	1.01%	0.117%
37	15.063	2049	2053	2058	rVB2	266069	372031	5.86%	0.680%
38	15.122	2058	2063	2070	rBV	717631	1089604	17.15%	1.992%
39	15.245	2076	2084	2088	rBV6	68090	162614	2.56%	0.297%
40	15.422	2109	2114	2118	rBV	74529	112286	1.77%	0.205%
41	15.575	2134	2140	2148	rVB2	50624	115446	1.82%	0.211%
42	15.816	2174	2181	2185	rBV6	54078	104123	1.64%	0.190%
43	16.134	2227	2235	2240	rVV3	127846	300928	4.74%	0.550%
44	16.181	2240	2243	2248	rVV	96058	138427	2.18%	0.253%
45	16.281	2255	2260	2265	rVV	67169	109726	1.73%	0.201%
46	16.363	2271	2274	2278	rVV4	27621	50862	0.80%	0.093%
47	16.404	2278	2281	2284	rVV4	37996	57003	0.90%	0.104%
48	16.481	2290	2294	2300	rVV	128444	189108	2.98%	0.346%
49	16.639	2313	2321	2331	rVB	243668	416058	6.55%	0.761%
50	16.822	2345	2352	2355	rBV	1254047	1816680	28.60%	3.321%
51	16.863	2355	2359	2364	rVV	3336726	4488260	70.66%	8.204%
52	16.916	2364	2368	2371	rVV2	163115	250936	3.95%	0.459%
53	16.951	2371	2374	2381	rVV	418748	546572	8.61%	0.999%
54	17.016	2381	2385	2391	rVV4	45192	75101	1.18%	0.137%
55	17.345	2435	2441	2445	rVV2	106036	161800	2.55%	0.296%
56	17.398	2445	2450	2459	rVB3	137157	241554	3.80%	0.442%
57	17.545	2471	2475	2481	rVB2	82699	144755	2.28%	0.265%
58	17.622	2485	2488	2492	rBV4	35905	49611	0.78%	0.091%
59	17.698	2495	2501	2505	rVV	458916	663641	10.45%	1.213%
60	17.745	2505	2509	2514	rVB	534244	707984	11.15%	1.294%
61	17.822	2518	2522	2527	rVB	89078	130488	2.05%	0.239%
62	17.886	2527	2533	2537	rBV2	637713	1030722	16.23%	1.884%
63	17.928	2537	2540	2550	rVB	331251	441093	6.94%	0.806%
64	18.098	2565	2569	2573	rBV2	38011	50567	0.80%	0.092%
65	18.204	2582	2587	2591	rBV	289289	372419	5.86%	0.681%
66	18.251	2591	2595	2605	rVB3	190916	300974	4.74%	0.550%
67	18.457	2626	2630	2634	rVB3	46875	65263	1.03%	0.119%
68	18.510	2635	2639	2642	rVB	55014	64824	1.02%	0.118%
69	18.551	2642	2646	2650	rVB3	53618	78281	1.23%	0.143%
70	18.628	2653	2659	2666	rBV3	218484	521562	8.21%	0.953%
71	18.692	2667	2670	2673	rVV3	107345	151725	2.39%	0.277%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

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-BN020320MA.M
Title : SVOA CALIBRATION

72	18.722	2673	2675	2679	rVB	116564	113461	1.79%	0.207%
73	18.769	2679	2683	2691	rBV3	103599	223553	3.52%	0.409%
74	18.892	2697	2704	2712	rVB	1357358	1845135	29.05%	3.373%
75	18.963	2712	2716	2720	rBV	49414	85199	1.34%	0.156%
76	19.045	2725	2730	2735	rVB	414462	509584	8.02%	0.932%
77	19.163	2748	2750	2755	rVB	40999	52571	0.83%	0.096%
78	19.257	2756	2766	2776	rVB	1865271	2781410	43.79%	5.084%
79	19.351	2776	2782	2787	rVB4	50191	99189	1.56%	0.181%
80	19.592	2818	2823	2829	rBV2	143928	306350	4.82%	0.560%
81	19.686	2835	2839	2841	rBV4	42018	64287	1.01%	0.118%
82	19.728	2841	2846	2849	rVV4	161671	312373	4.92%	0.571%
83	19.763	2849	2852	2858	rVV	243549	334729	5.27%	0.612%
84	19.822	2860	2862	2866	rVV5	42036	49772	0.78%	0.091%
85	19.863	2866	2869	2874	rVV2	108770	145658	2.29%	0.266%
86	19.922	2875	2879	2883	rVB	188537	230401	3.63%	0.421%
87	20.063	2899	2903	2906	rBV	139003	159332	2.51%	0.291%
88	20.104	2906	2910	2915	rVB	168669	220256	3.47%	0.403%
89	20.522	2976	2981	2993	rVB4	156317	331004	5.21%	0.605%
90	20.680	3004	3008	3010	rBV3	168835	232022	3.65%	0.424%
91	20.722	3012	3015	3018	rVV2	199281	262179	4.13%	0.479%
92	21.033	3061	3068	3072	rBV3	1806182	3096897	48.76%	5.661%
93	21.075	3072	3075	3087	rVB	659184	1063558	16.74%	1.944%
94	21.245	3101	3104	3113	rVB	175103	269064	4.24%	0.492%
95	21.580	3158	3161	3165	rVB3	129402	146839	2.31%	0.268%
96	22.539	3319	3324	3334	rBV3	346454	911000	14.34%	1.665%
97	22.969	3393	3397	3402	rBV	213456	356088	5.61%	0.651%
98	23.016	3402	3405	3409	rVV2	109396	169212	2.66%	0.309%
99	23.063	3409	3413	3420	rVB2	372468	690944	10.88%	1.263%
100	23.151	3422	3428	3435	rBV2	999143	1775981	27.96%	3.246%

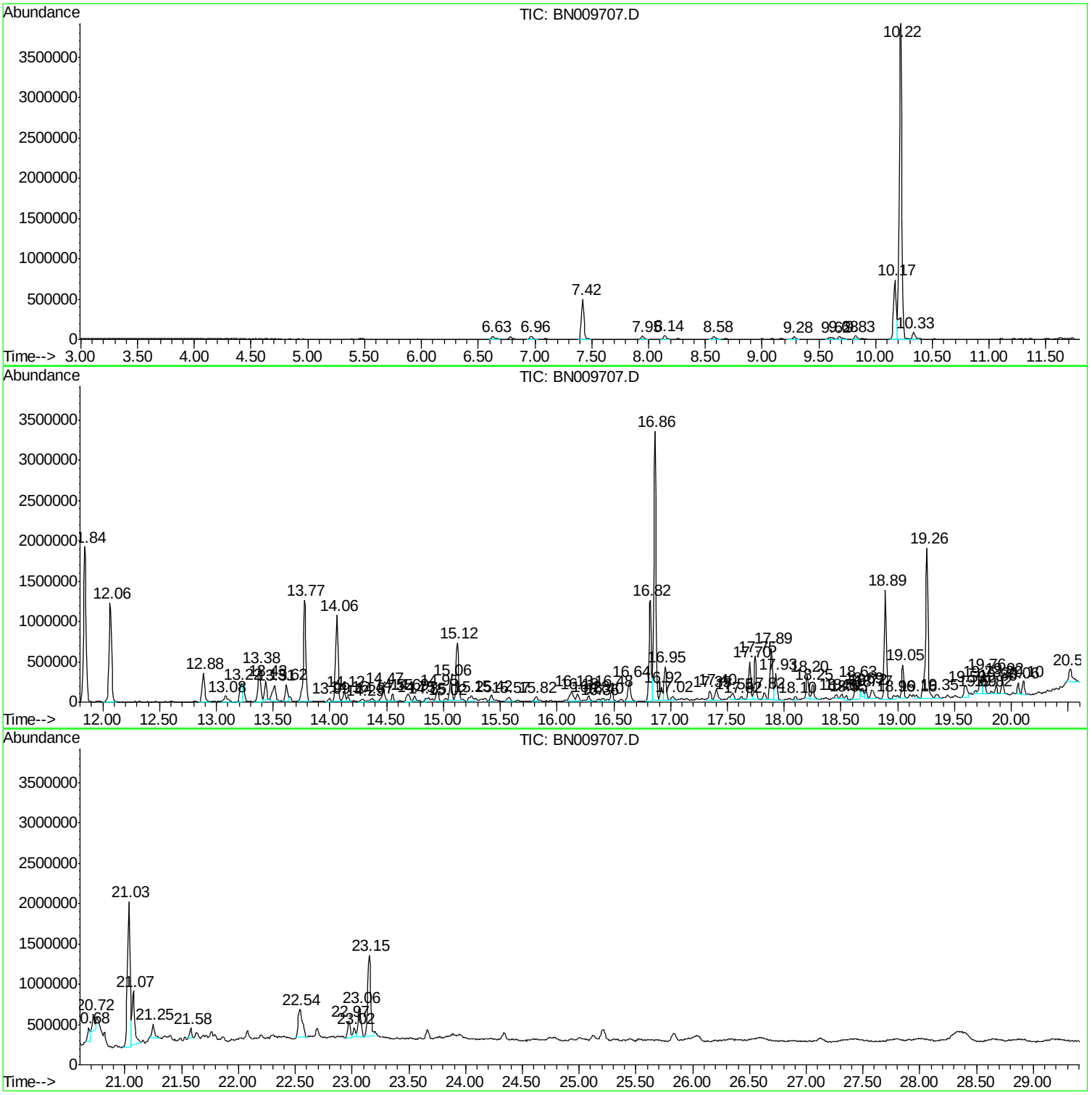
Sum of corrected areas: 54705699

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

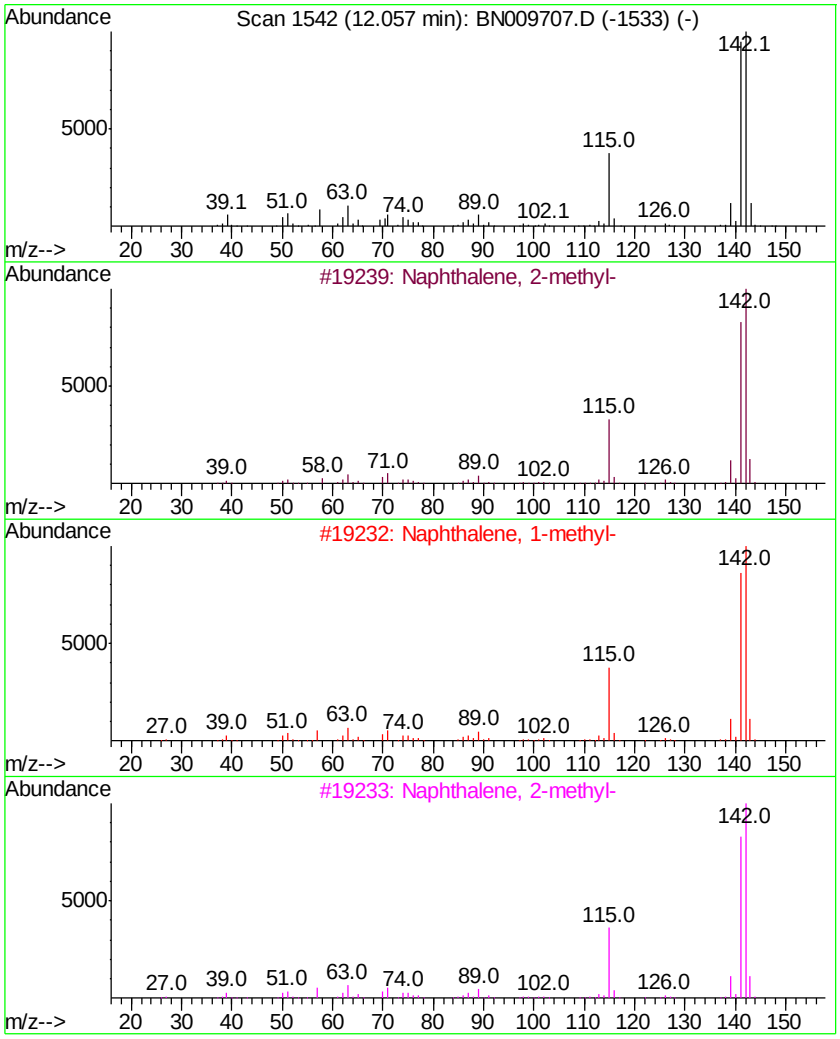
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

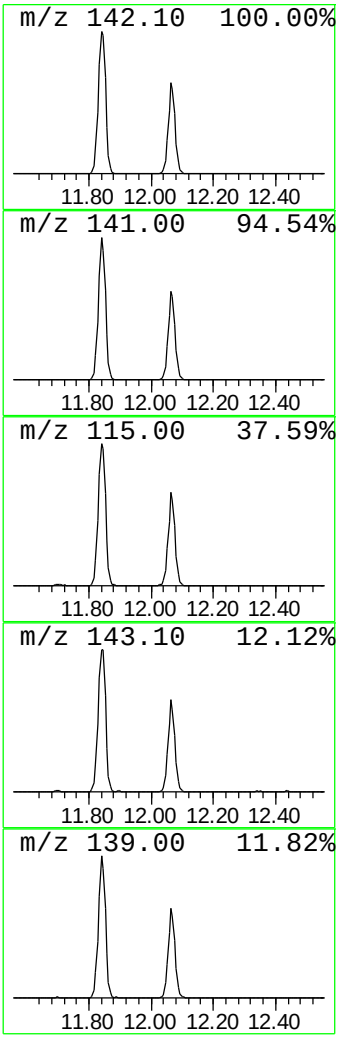
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	32.71 ng/ul	1935320	Naphthalene-d8	10.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

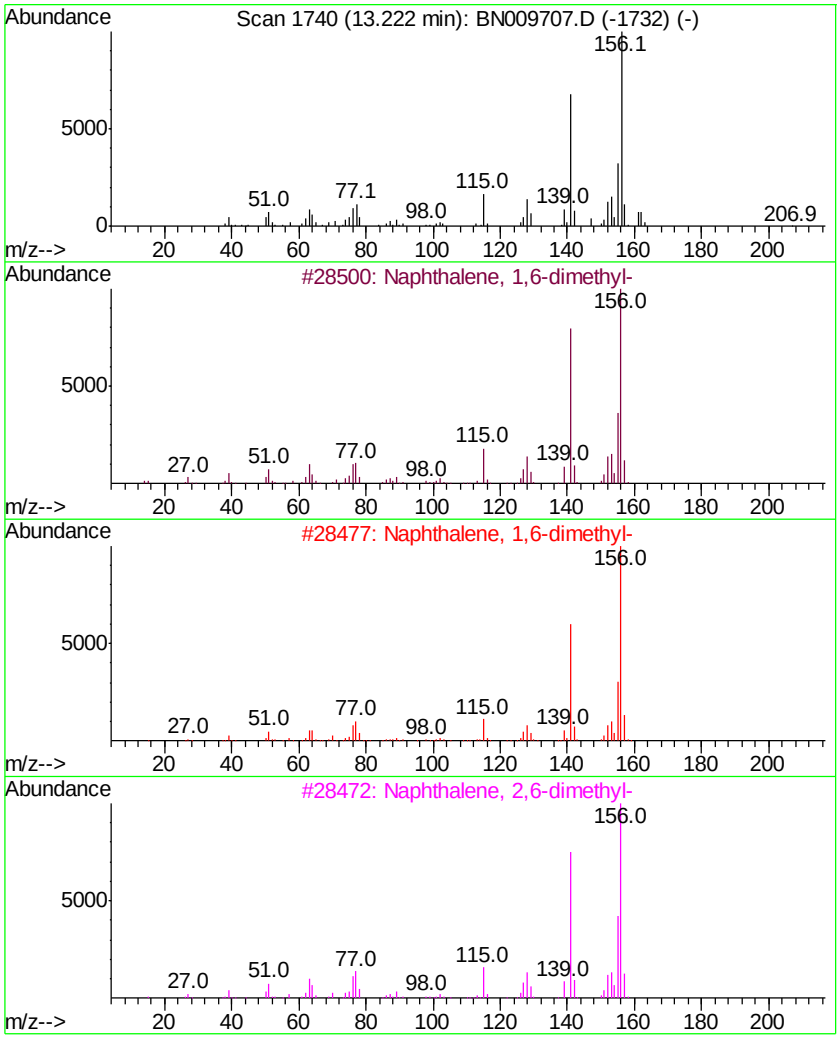
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

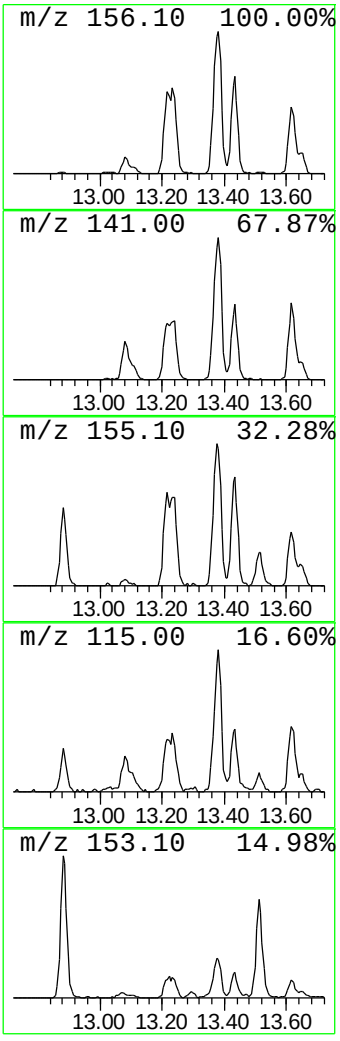
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	4.17 ng/ul	359418	Acenaphthene-d10	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

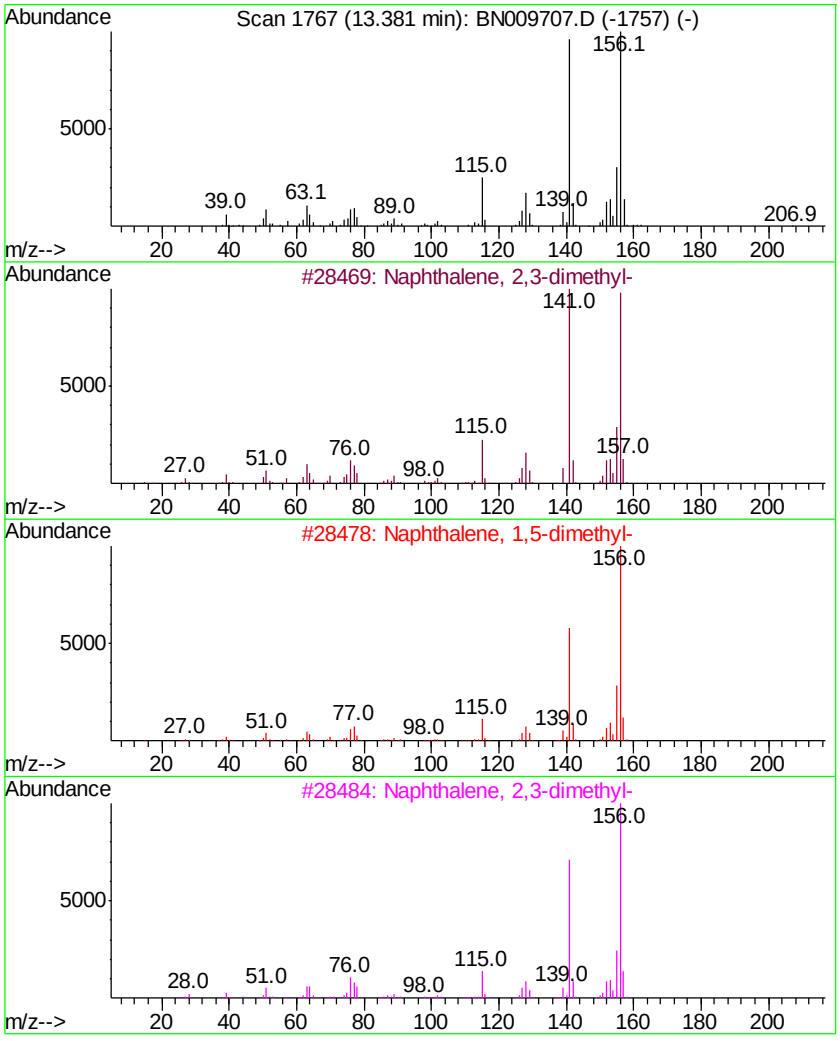
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

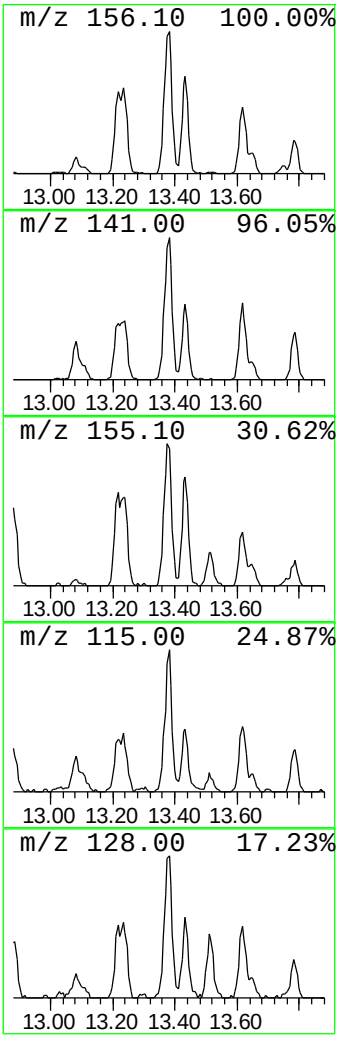
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	8.86 ng/ul	763017	Acenaphthene-d10	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

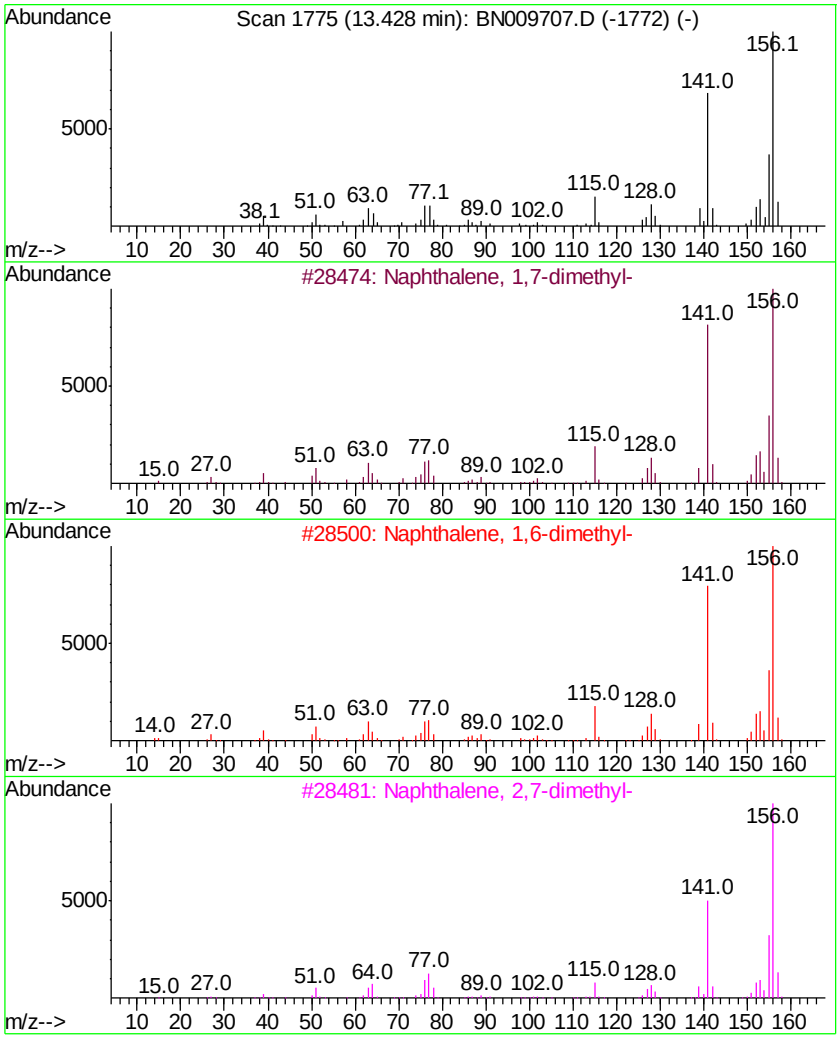
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

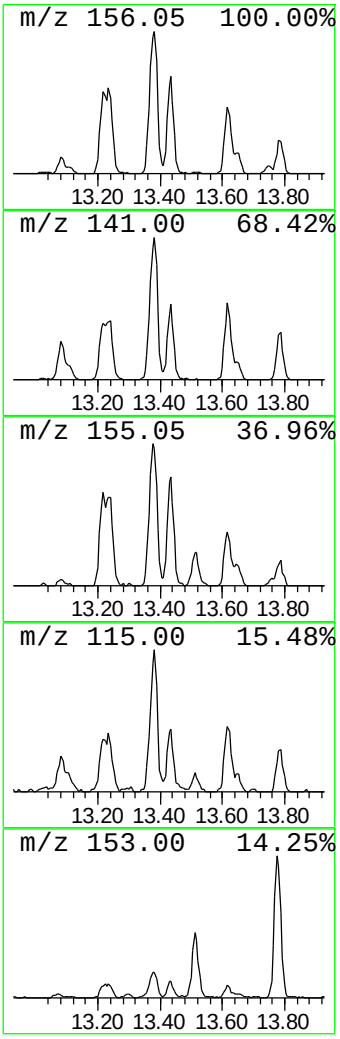
****

Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	3.70 ng/ul	318560	Acenaphthene-d10	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

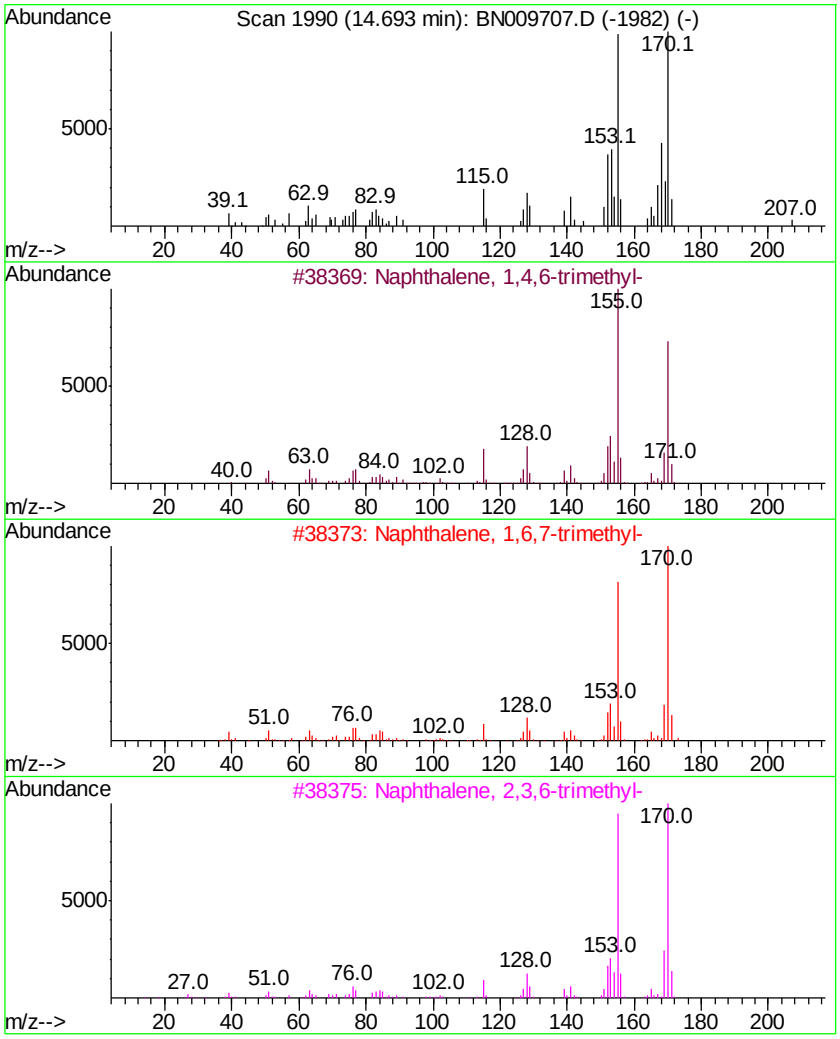
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

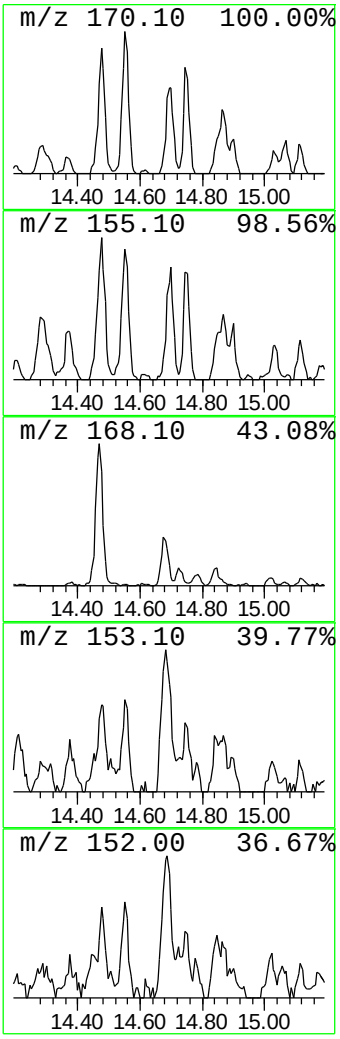
****

Peak Number 6 Naphthalene, 1,4,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	2.34 ng/ul	201478	Acenaphthene-d10	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	55
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	55
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	50
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	50
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

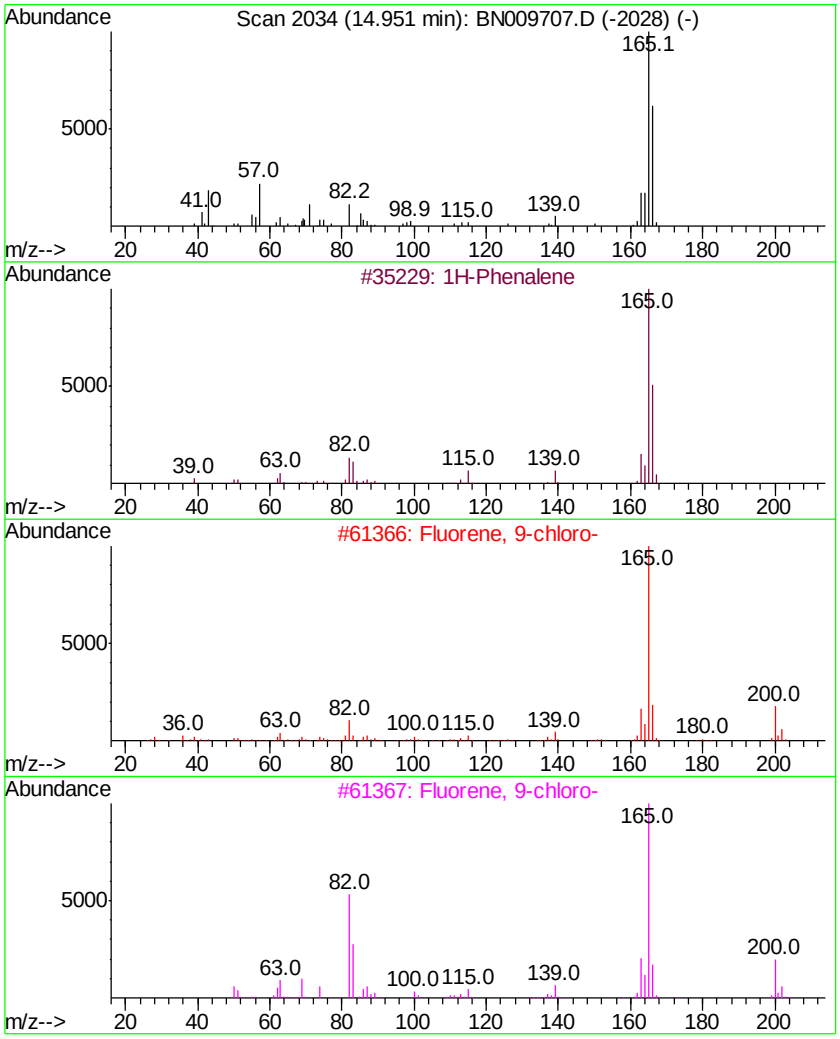
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

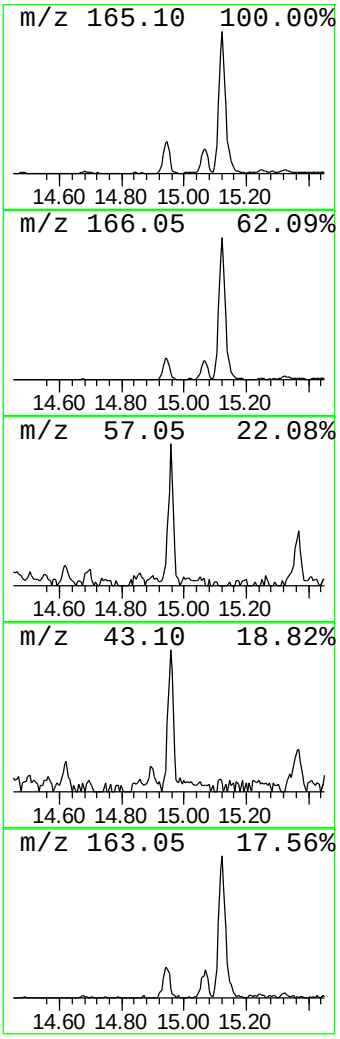
****

Peak Number 7 1H-Phenalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	2.72 ng/ul	234712	Acenaphthene-d10	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	78
2	Fluorene, 9-chloro-	200	C13H9Cl	006630-65-5	64
3	Fluorene, 9-chloro-	200	C13H9Cl	006630-65-5	59
4	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	58
5	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

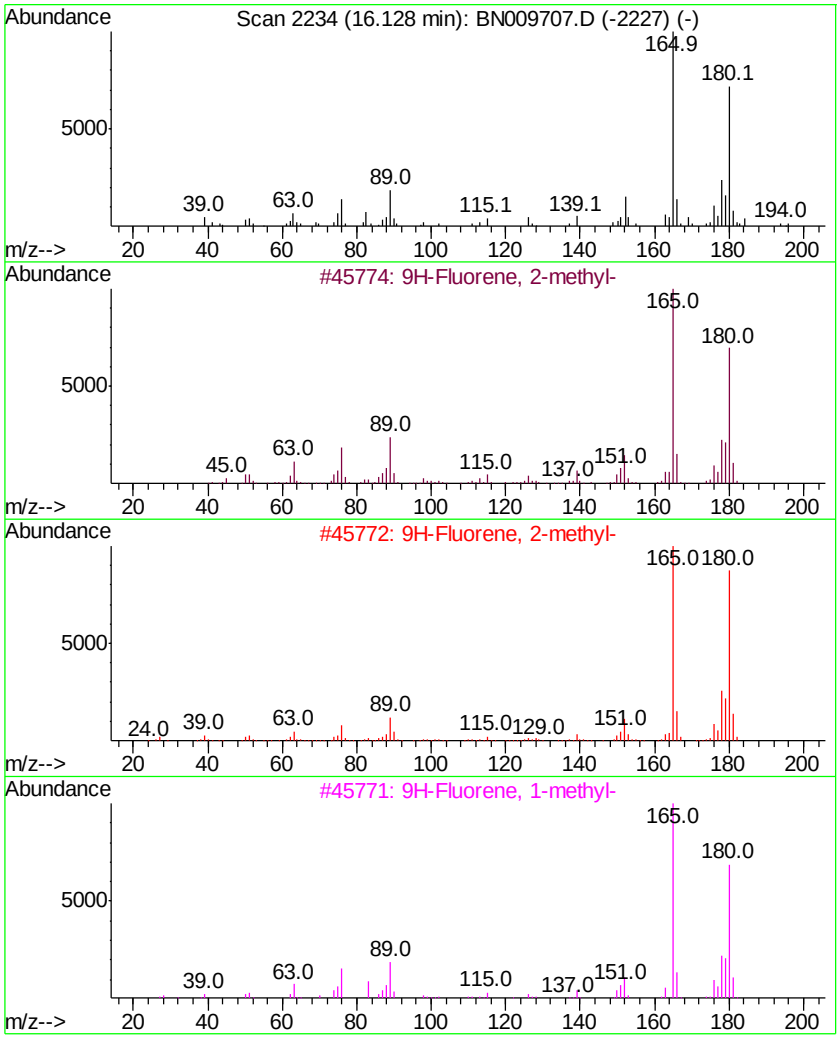
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

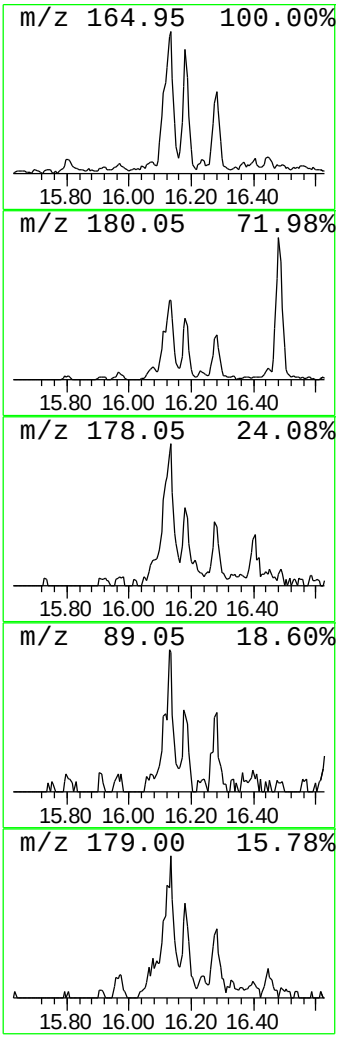
****

Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	3.31 ng/ul	300928	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

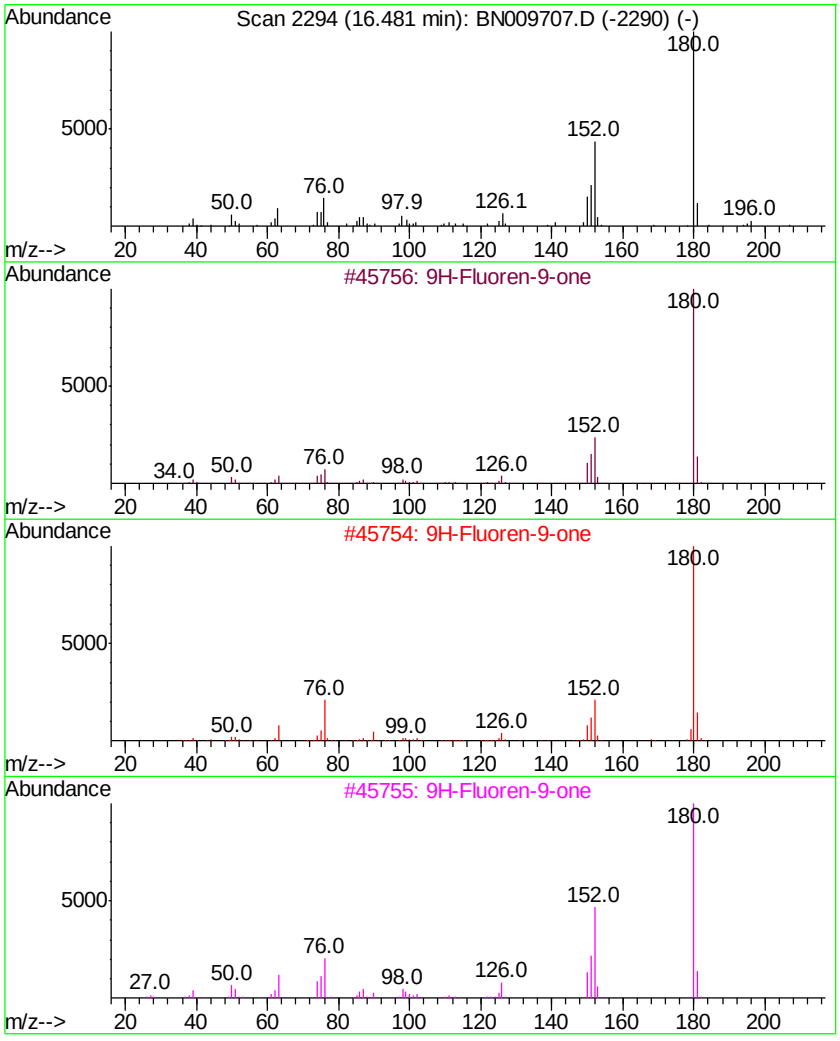
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

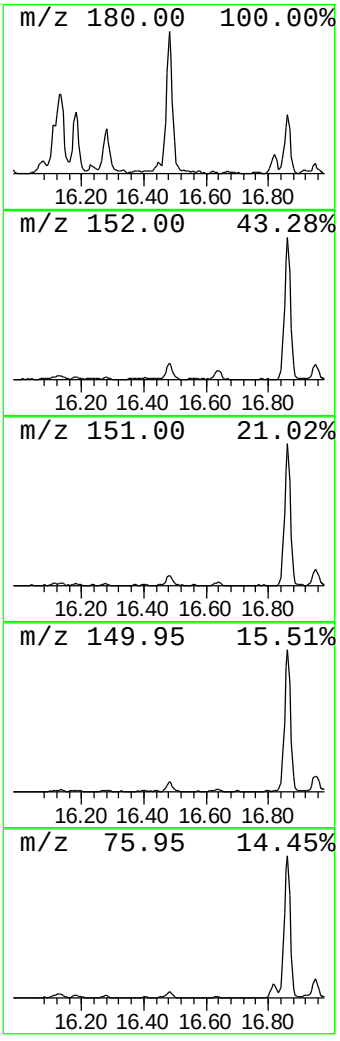
****

Peak Number 9 9H-Fluoren-9-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	2.08 ng/ul	189108	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

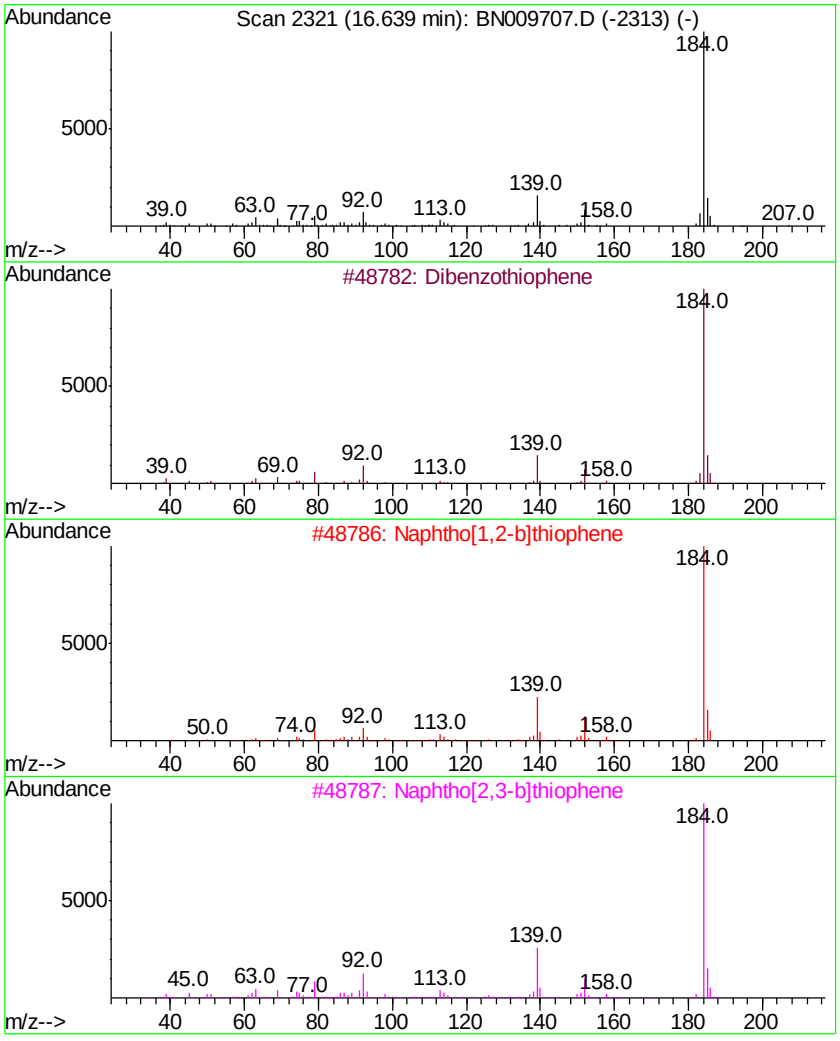
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

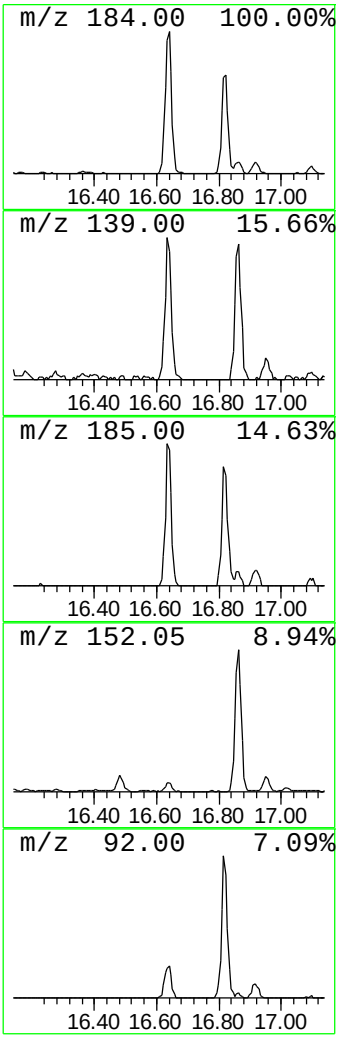
****

Peak Number 10 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	4.58 ng/ul	416058	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

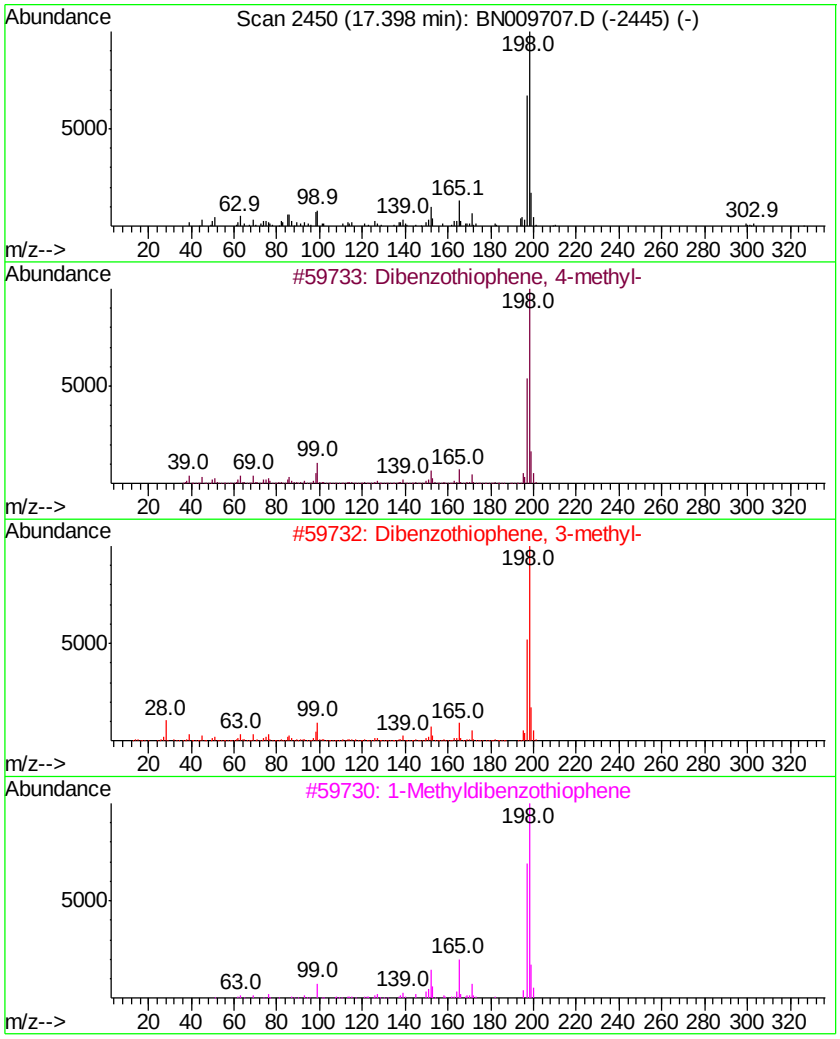
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

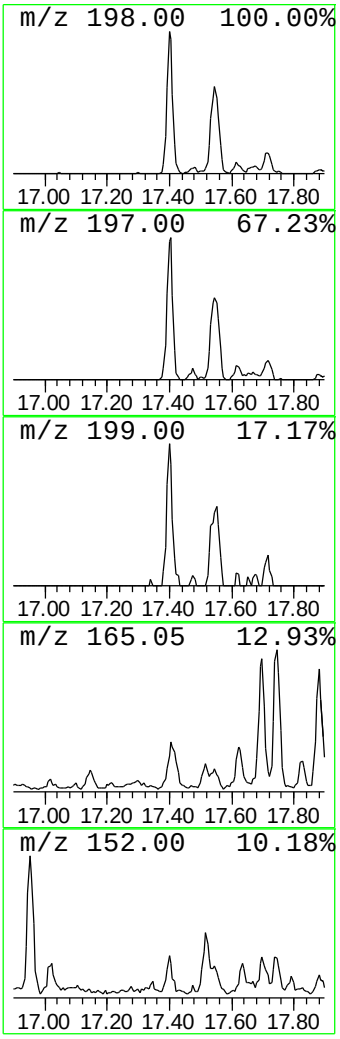
****

Peak Number 11 Dibenzothiophene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.40	2.66 ng/ul	241554	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	97
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	97
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	87
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

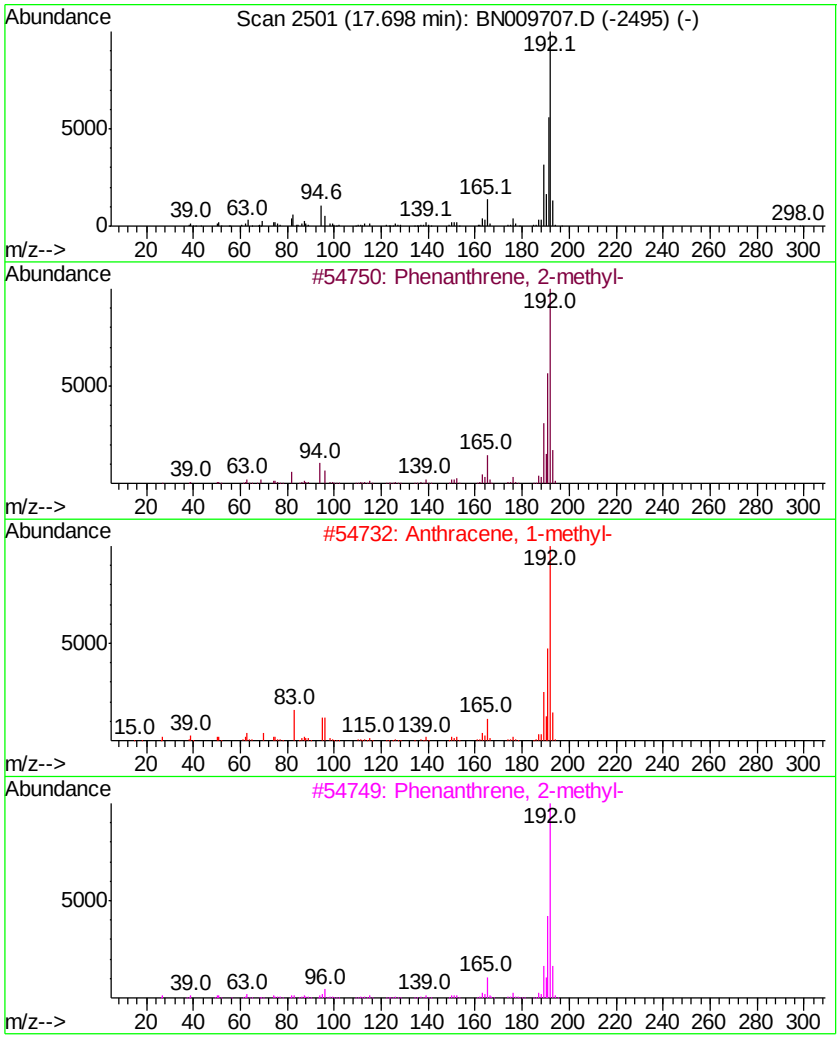
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

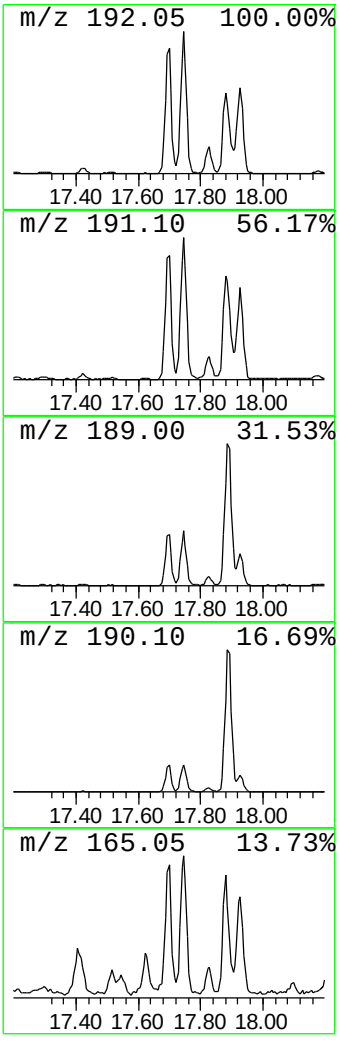
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	7.31 ng/ul	663641	Phenanthrene-d10	16.82

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

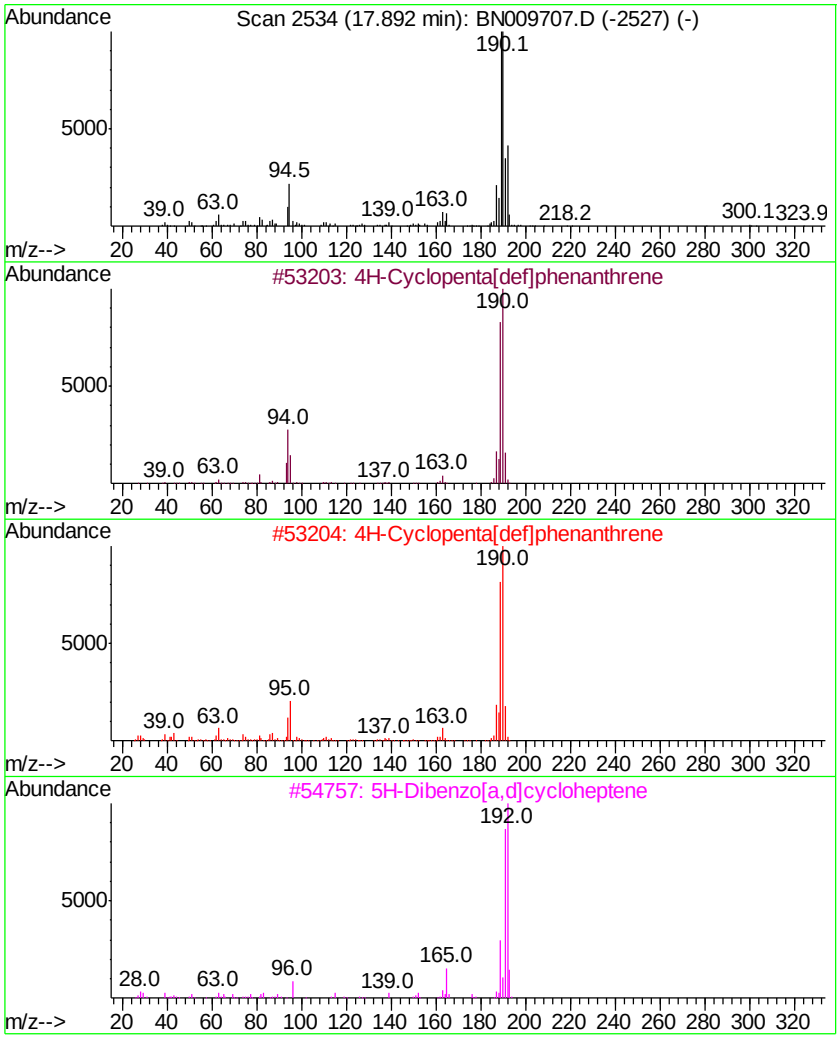
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

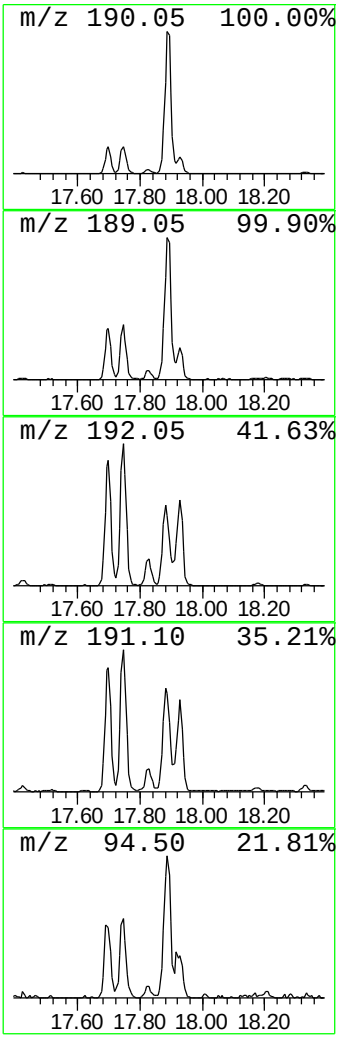
****

Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	11.35 ng/ul	1030720	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	18





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

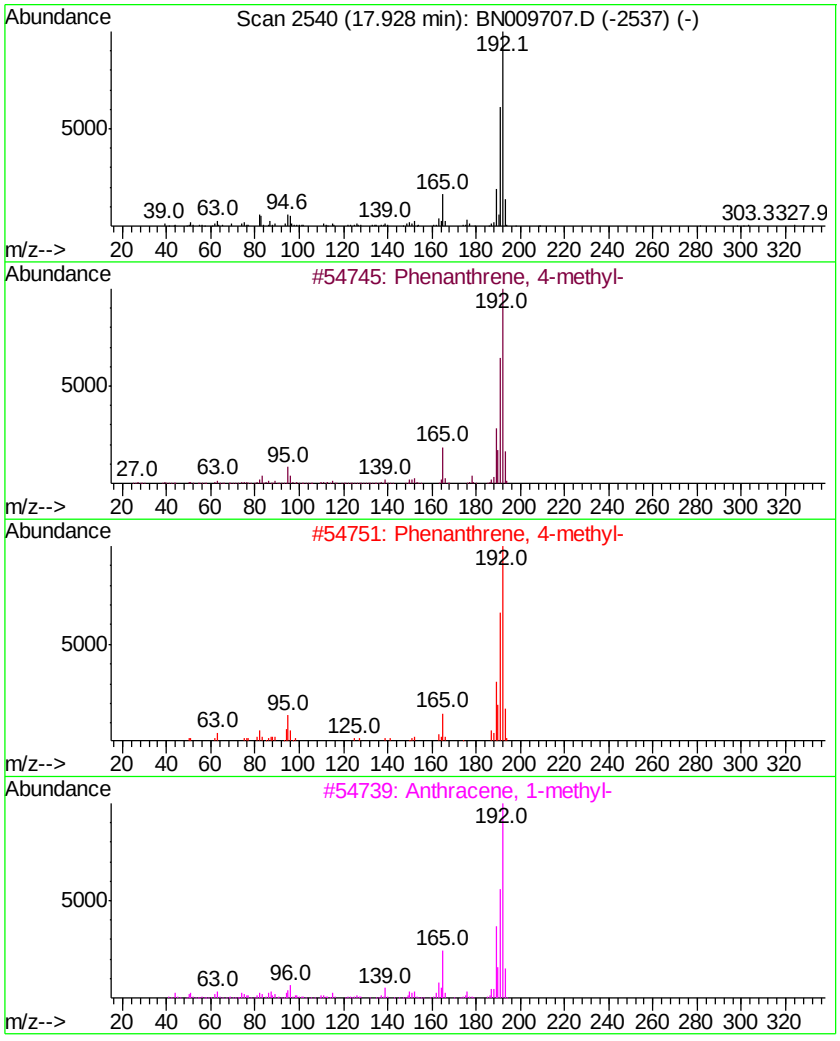
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

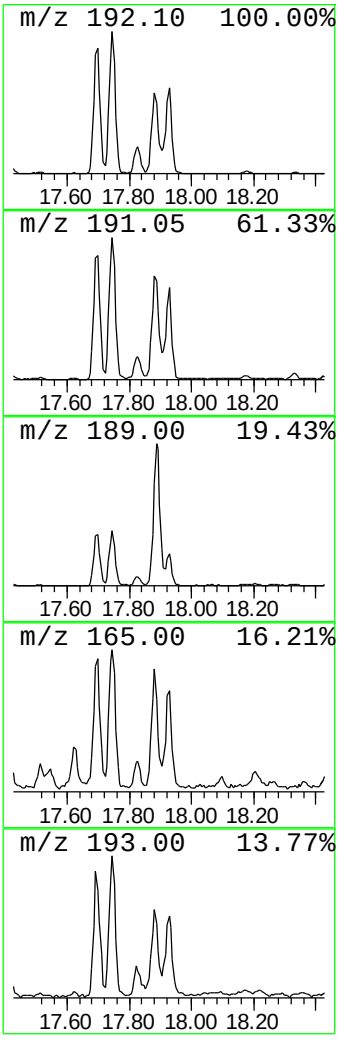
****

Peak Number 15 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	4.86 ng/ul	441093	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	83
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

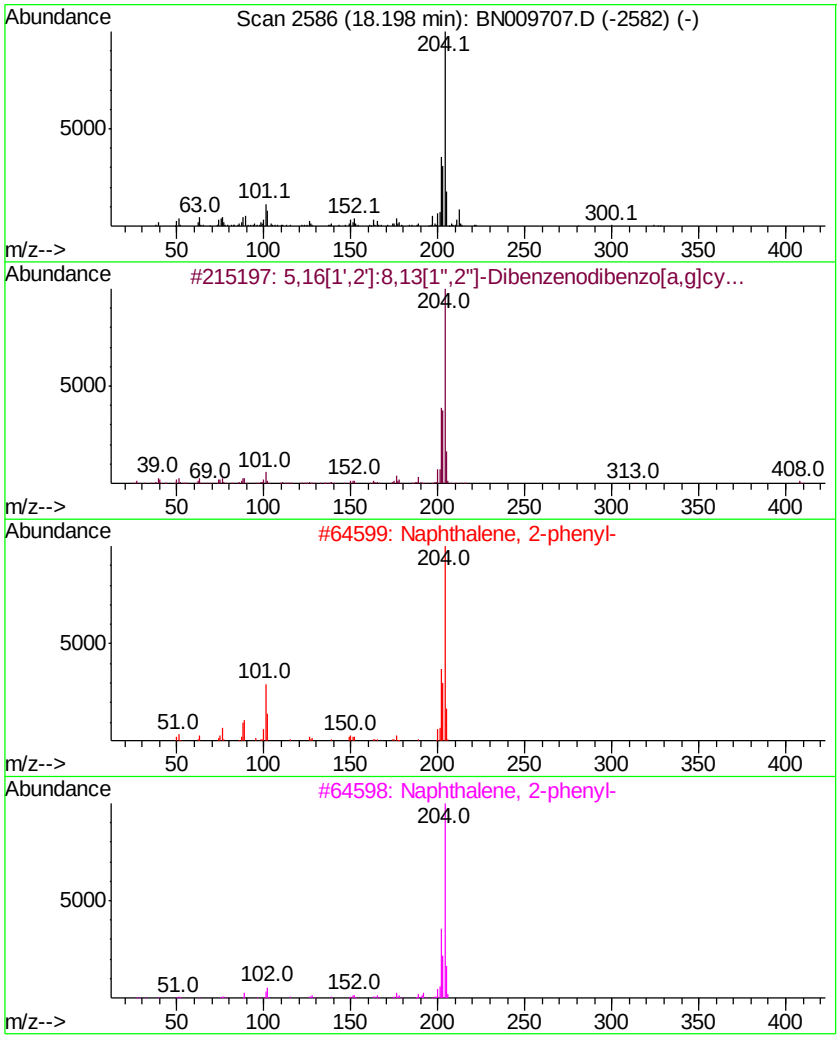
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

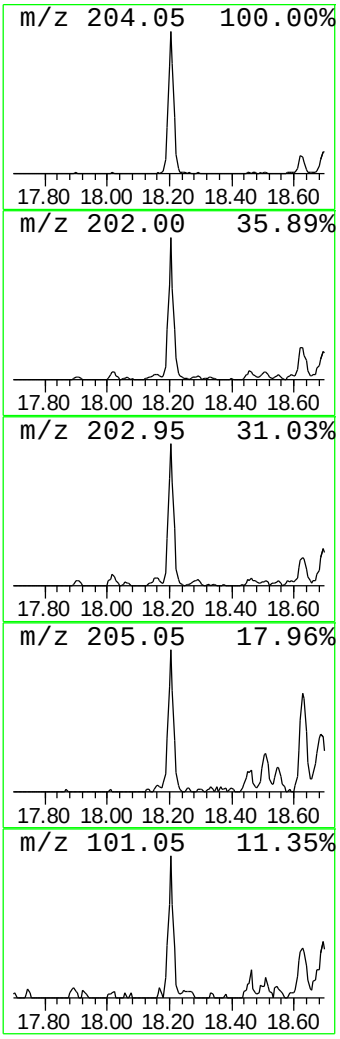
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	4.10 ng/ul	372419	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

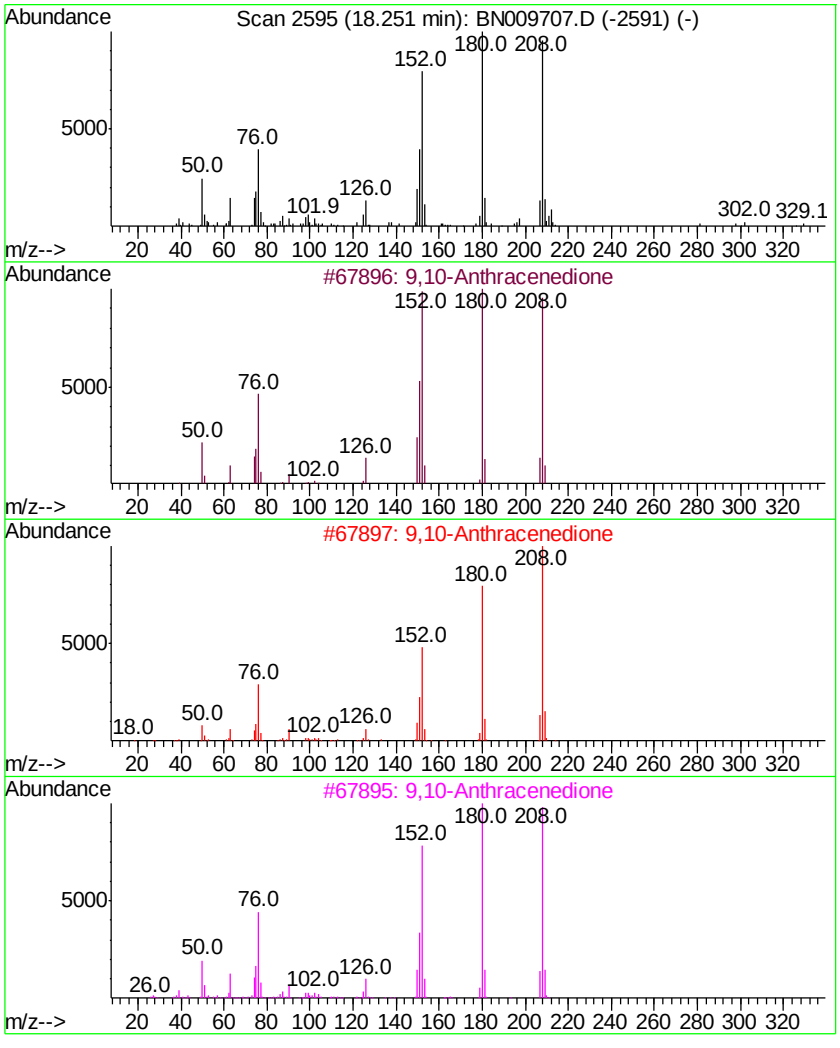
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

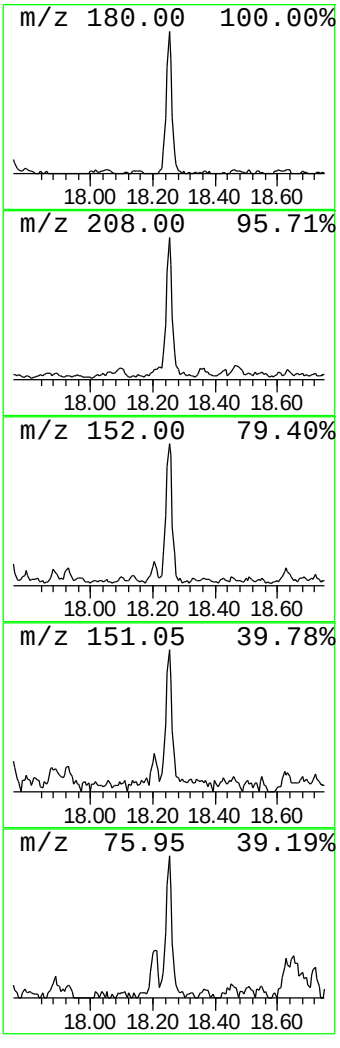
****

Peak Number 17 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	3.31 ng/ul	300974	Phenanthrene-d10	16.82

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	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

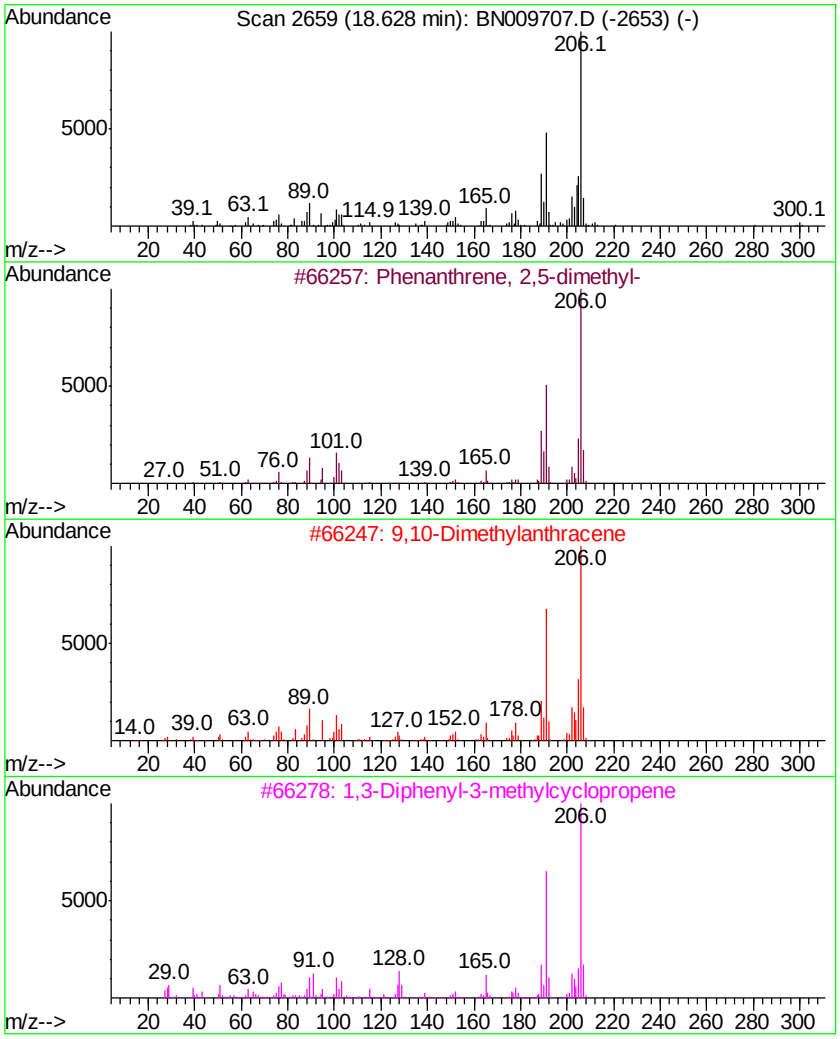
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

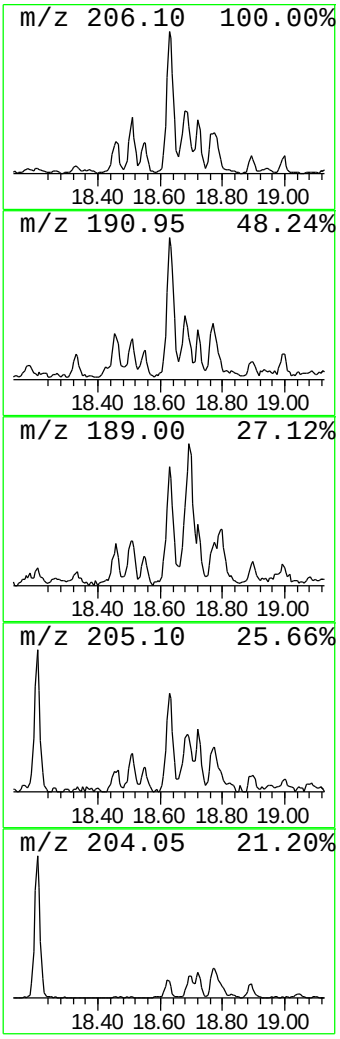
****

Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	5.74 ng/ul	521562	Phenanthrene-d10	16.82

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	96
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

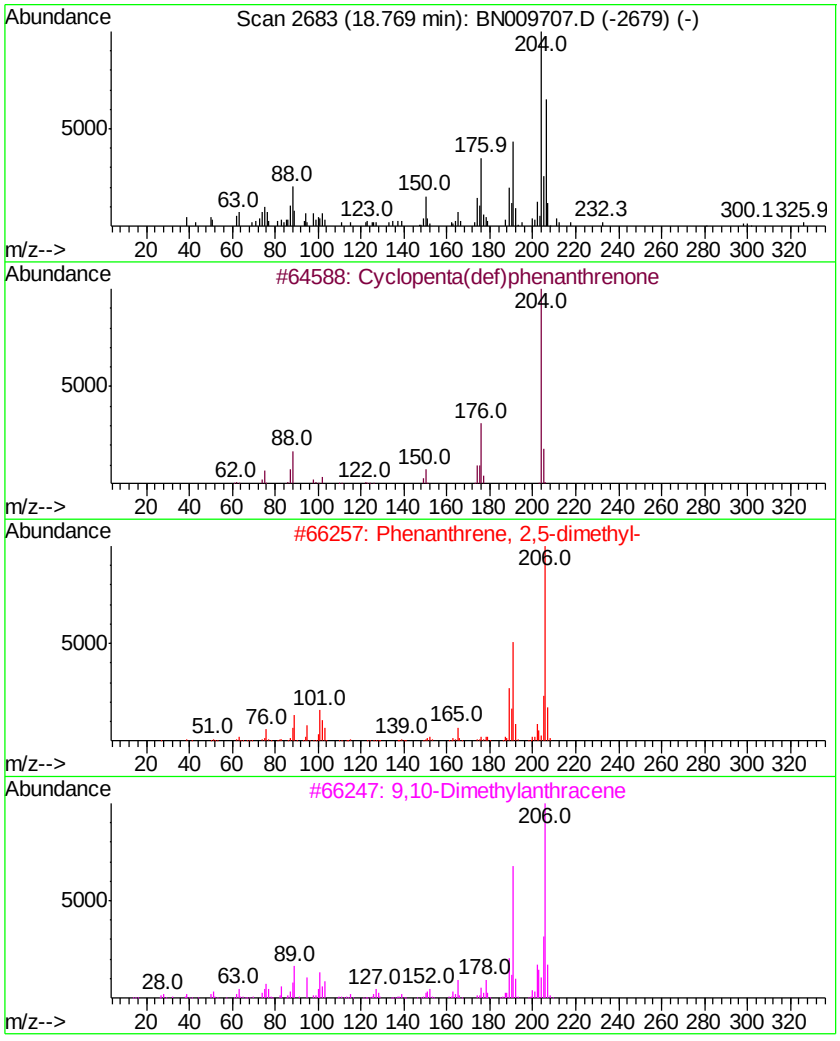
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

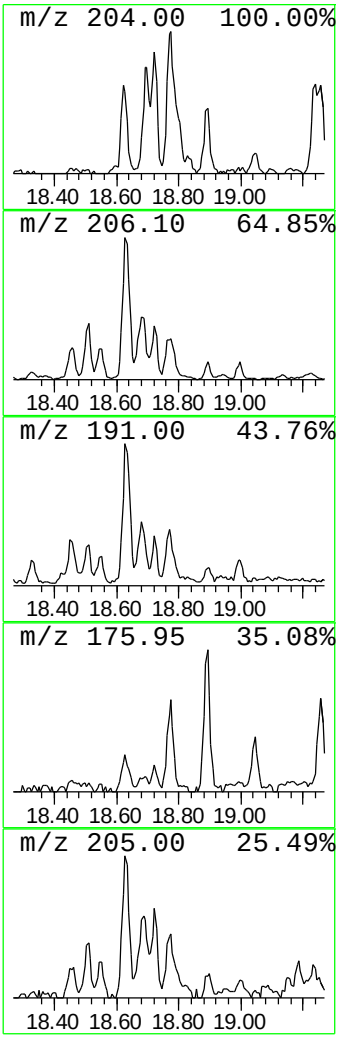
****

Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	2.46 ng/ul	223553	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	50
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	46
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

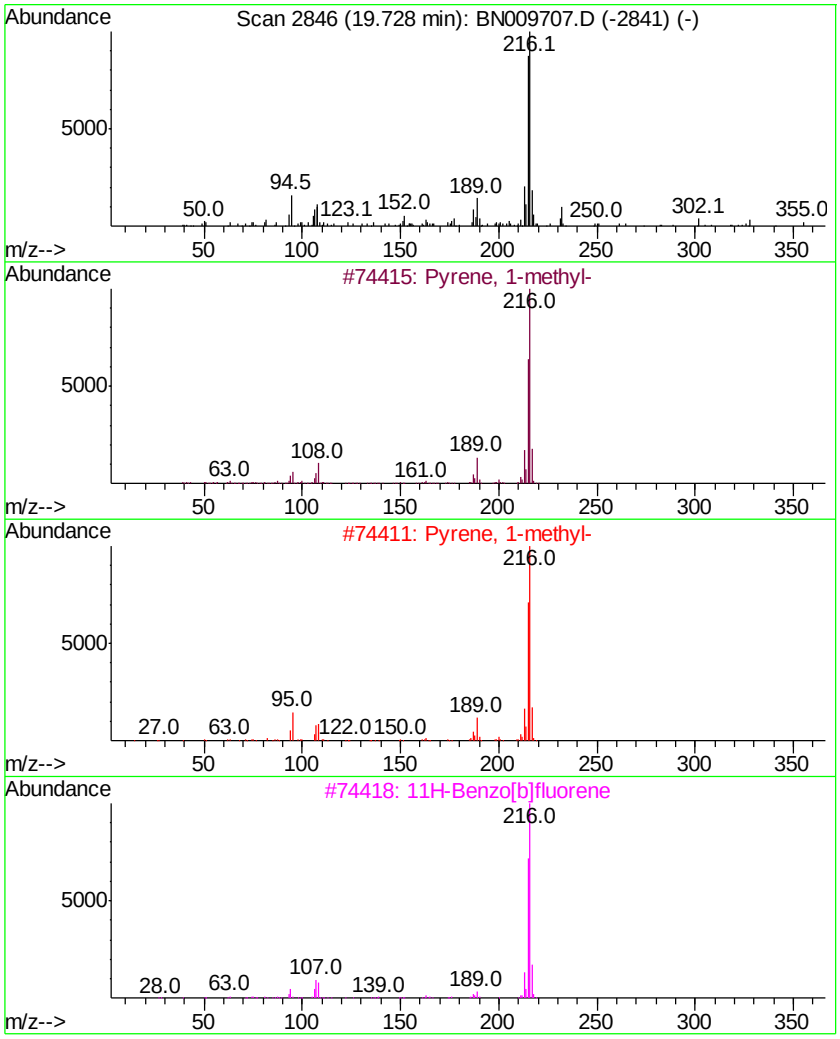
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

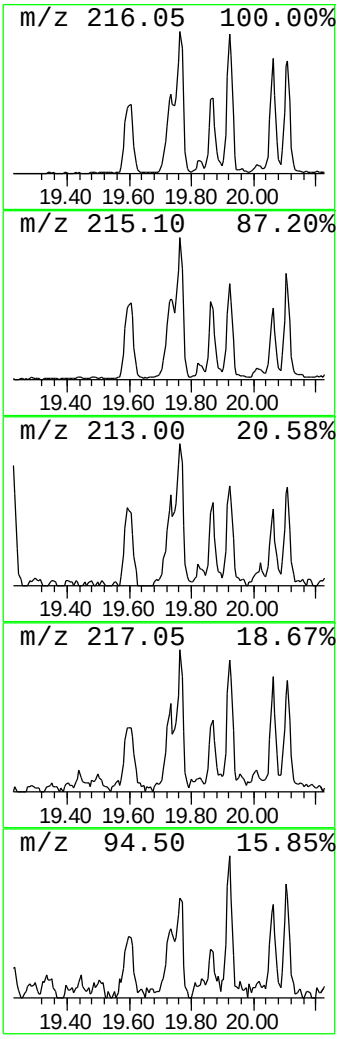
****

Peak Number 21 Pyrene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	2.02 ng/ul	312373	Chrysene-d12	21.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

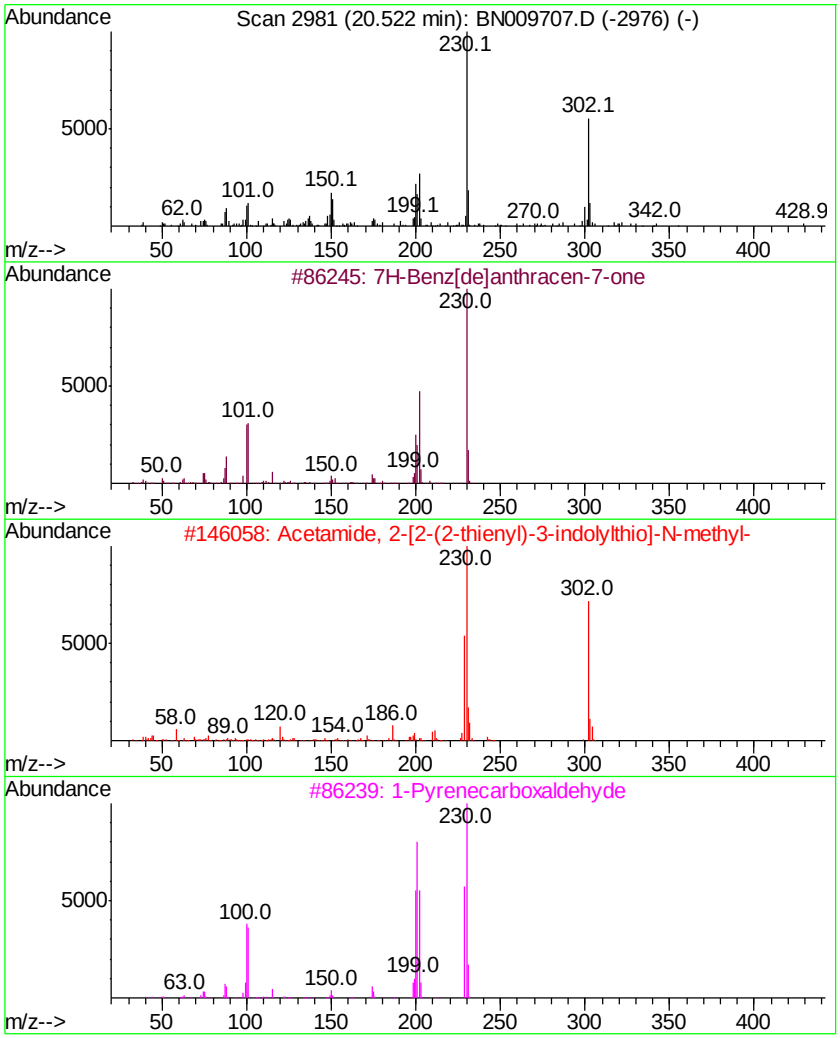
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

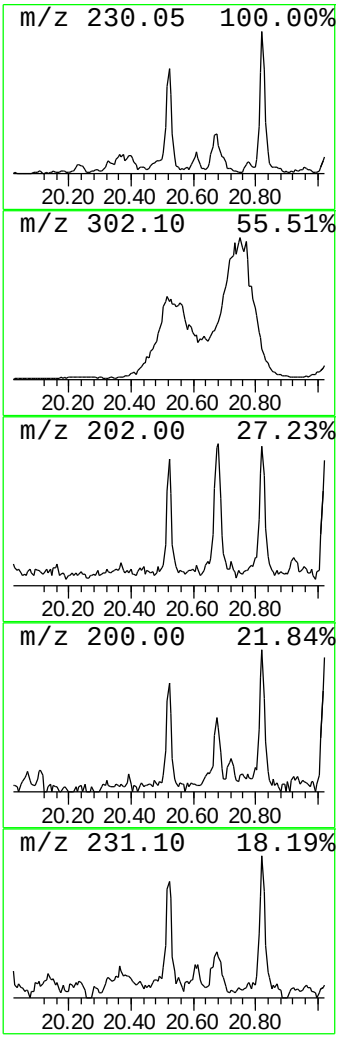
****

Peak Number 23 7H-Benz[de]anthracen-7-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.52	2.14 ng/ul	331004	Chrysene-d12	21.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53
2	Acetamide, 2-[2-(2-thienyl)-3-in...	302	C15H14N2OS2	296246-72-5	52
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	49
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	49
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

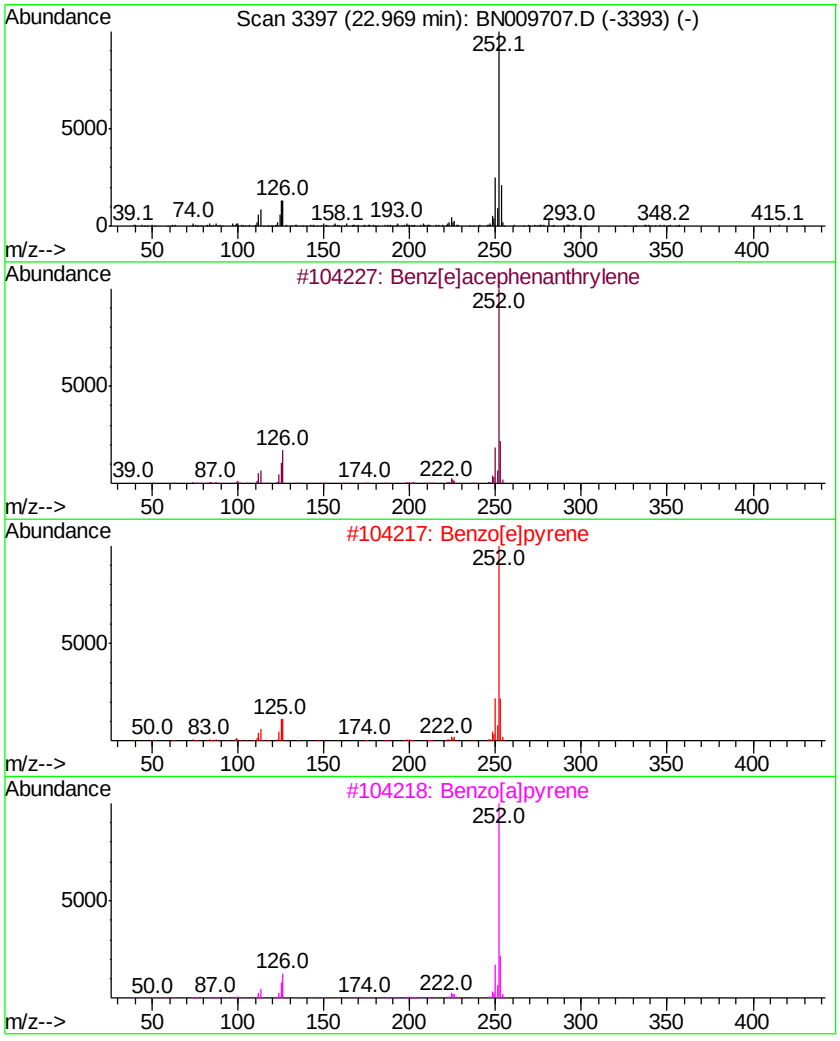
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

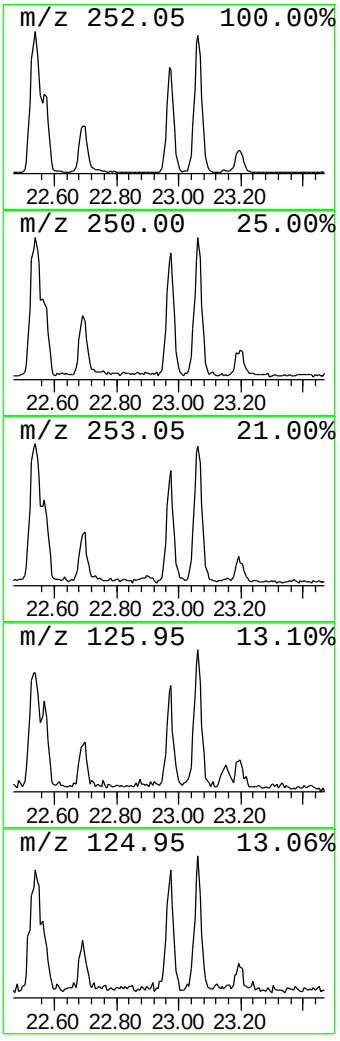
****

Peak Number 24 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.97	4.01 ng/ul	356088	Perylene-d12	23.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benzo[a]pyrene	252	C20H12	000050-32-8	98
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021120\
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.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-me...	12.06	32.7	ng/ul	1935320	2	10.17	1183490	20.0
Naphthalene, 1,6-...	13.22	4.2	ng/ul	359418	3	14.06	1723050	20.0
Naphthalene, 2,3-...	13.38	8.9	ng/ul	763017	3	14.06	1723050	20.0
Naphthalene, 1,7-...	13.43	3.7	ng/ul	318560	3	14.06	1723050	20.0
Naphthalene, 1,4,...	14.69	2.3	ng/ul	201478	3	14.06	1723050	20.0
1H-Phenalene	14.95	2.7	ng/ul	234712	3	14.06	1723050	20.0
9H-Fluorene, 2-me...	16.13	3.3	ng/ul	300928	4	16.82	1816680	20.0
9H-Fluoren-9-one	16.48	2.1	ng/ul	189108	4	16.82	1816680	20.0
Dibenzothiophene	16.64	4.6	ng/ul	416058	4	16.82	1816680	20.0
Dibenzothiophene,...	17.40	2.7	ng/ul	241554	4	16.82	1816680	20.0
Phenanthrene, 2-m...	17.70	7.3	ng/ul	663641	4	16.82	1816680	20.0
4H-Cyclopenta[def...	17.89	11.4	ng/ul	1030720	4	16.82	1816680	20.0
Phenanthrene, 4-m...	17.93	4.9	ng/ul	441093	4	16.82	1816680	20.0
5,16[1',2']:8,13[...	18.20	4.1	ng/ul	372419	4	16.82	1816680	20.0
9,10-Anthracenedione	18.25	3.3	ng/ul	300974	4	16.82	1816680	20.0
Phenanthrene, 2,5...	18.63	5.7	ng/ul	521562	4	16.82	1816680	20.0
Cyclopenta(def)ph...	18.77	2.5	ng/ul	223553	4	16.82	1816680	20.0
Pyrene, 1-methyl-	19.73	2.0	ng/ul	312373	5	21.04	3096900	20.0
7H-Benz[de]anthra...	20.52	2.1	ng/ul	331004	5	21.04	3096900	20.0
Benzo[e]pyrene	22.97	4.0	ng/ul	356088	6	23.15	1775980	20.0