LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061620\
Data File : BG045780.D
Acq On : 16 Jun 2020 20:02
Operator : CG/JU
Sample : L2815-06 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-061520

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_G\METHODS\8270-BG061520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.532	408	416	428	rBV	414780	737685	44.91%	3.723%
2	7.159	685	693	705	rBV	445116	830946	50.59%	4.194%
3	7.917	815	822	833	rBV	274139	476463	29.01%	2.405%
4	8.240	865	877	889	rBV	398109	719785	43.82%	3.633%
5	9.080	1013	1020	1032	rBV	284406	534599	32.55%	2.698%
6	10.725	1291	1300	1306	rBV	363670	681040	41.46%	3.438%
7	10.772	1306	1308	1316	rVB2	32577	52788	3.21%	0.266%
8	12.388	1578	1583	1593	rVB	31424	59189	3.60%	0.299%
9	12.605	1614	1620	1632	rBV	41572	78595	4.78%	0.397%
10	13.186	1712	1719	1733	rBV	820154	1328055	80.85%	6.703%
11	13.474	1762	1768	1775	rBV	96228	156567	9.53%	0.790%
12	13.733	1807	1812	1814	rBV3	18922	34931	2.13%	0.176%
13	13.886	1830	1838	1843	rBV4	33317	62601	3.81%	0.316%
14	13.944	1843	1848	1853	rVV2	20665	30499	1.86%	0.154%
15	14.021	1855	1861	1870	rVB	80099	132823	8.09%	0.670%
16	14.120	1874	1878	1882	rBV3	13358	19103	1.16%	0.096%
17	14.291	1901	1907	1916	rBV	40108	77861	4.74%	0.393%
18	14.567	1945	1954	1960	rBV2	573933	930646	56.66%	4.697%
19	14.632	1960	1965	1972	rVB	28005	52310	3.18%	0.264%
20	14.972	2018	2023	2028	rVB	24951	40693	2.48%	0.205%
21	15.043	2030	2035	2041	rVB4	11412	18937	1.15%	0.096%
22	15.184	2051	2059	2063	rBV8	14556	31873	1.94%	0.161%
23	15.618	2127	2133	2142	rBV	35977	68099	4.15%	0.344%
24	15.912	2180	2183	2190	rVB6	10760	18578	1.13%	0.094%
25	16.065	2200	2209	2219	rBV	568541	924211	56.27%	4.665%
26	16.306	2243	2250	2255	rVB7	17492	40178	2.45%	0.203%
27	16.623	2298	2304	2309	rBV6	14756	32719	1.99%	0.165%
28	16.670	2309	2312	2318	rVB4	13912	26406	1.61%	0.133%
29	16.776	2325	2330	2335	rVB8	11851	16750	1.02%	0.085%
30	17.134	2387	2391	2397	rVB2	20690	33832	2.06%	0.171%
31	17.316	2415	2422	2426	rBV	670340	1032826	62.88%	5.213%
32	17.357	2426	2429	2435	rVB	184364	262526	15.98%	1.325%
33	17.451	2441	2445	2450	rVB	40705	56744	3.45%	0.286%
34	17.510	2451	2455	2461	rBV5	15349	25415	1.55%	0.128%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061620\
Data File : BG045780.D
Acq On : 16 Jun 2020 20:02
Operator : CG/JU
Sample : L2815-06 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-061520

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_G\METHODS\8270-BG061520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.727	2489	2492	2500	rVB6	15393	30533	1.86%	0.154%
36	17.898	2518	2521	2528	rVV4	16465	31135	1.90%	0.157%
37	18.039	2542	2545	2553	rVB6	14346	25944	1.58%	0.131%
38	18.197	2566	2572	2574	rBV	64772	96002	5.84%	0.485%
39	18.238	2575	2579	2586	rVB	80852	152171	9.26%	0.768%
40	18.321	2589	2593	2598	rVV2	20064	39354	2.40%	0.199%
41	18.385	2599	2604	2608	rVV3	97049	189470	11.53%	0.956%
42	18.426	2608	2611	2615	rVB	51042	72833	4.43%	0.368%
43	18.503	2621	2624	2627	rBV5	14389	18291	1.11%	0.092%
44	18.591	2634	2639	2642	rBV7	22997	34008	2.07%	0.172%
45	18.697	2652	2657	2660	rBV2	33667	51320	3.12%	0.259%
46	18.738	2661	2664	2669	rVB5	23129	39224	2.39%	0.198%
47	18.920	2690	2695	2696	rBV5	16506	26396	1.61%	0.133%
48	18.938	2696	2698	2702	rVV4	25528	32870	2.00%	0.166%
49	18.990	2703	2707	2710	rVV2	35536	54097	3.29%	0.273%
50	19.031	2711	2714	2717	rVB3	23531	29671	1.81%	0.150%
51	19.108	2723	2727	2732	rBV	71344	118443	7.21%	0.598%
52	19.249	2747	2751	2758	rBV5	36746	88214	5.37%	0.445%
53	19.372	2767	2772	2779	rVB	522043	733339	44.65%	3.702%
54	19.437	2779	2783	2785	rBV5	19685	27544	1.68%	0.139%
55	19.525	2795	2798	2802	rBV2	23462	24586	1.50%	0.124%
56	19.613	2811	2813	2817	rBV3	19781	19768	1.20%	0.100%
57	19.731	2824	2833	2843	rBV	515669	963461	58.66%	4.863%
58	19.813	2843	2847	2853	rVB	46234	76793	4.68%	0.388%
59	19.930	2862	2867	2872	rBV	1267152	1642576	100.00%	8.291%
60	20.060	2884	2889	2897	rBV3	51251	136951	8.34%	0.691%
61	20.224	2908	2917	2924	rVB	120450	257188	15.66%	1.298%
62	20.324	2932	2934	2939	rVB	72725	77773	4.73%	0.393%
63	20.383	2941	2944	2949	rVB2	74384	106042	6.46%	0.535%
64	20.524	2965	2968	2972	rBV	58292	78624	4.79%	0.397%
65	20.571	2973	2976	2979	rVV	52113	65054	3.96%	0.328%
66	21.240	3087	3090	3098	rVB5	81766	164195	10.00%	0.829%
67	21.575	3139	3147	3151	rBV3	727014	1538728	93.68%	7.767%
68	21.616	3152	3154	3162	rVB	241173	351560	21.40%	1.775%
69	23.719	3505	3512	3526	rBV2	209254	730992	44.50%	3.690%
70	24.412	3626	3630	3642	rVB	142259	389719	23.73%	1.967%
71	24.559	3649	3655	3666	rVB2	201701	572312	34.84%	2.889%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061620\
Data File : BG045780.D
Acq On : 16 Jun 2020 20:02
Operator : CG/JU
Sample : L2815-06 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-061520

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_G\METHODS\8270-BG061520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	24.712	3672	3681	3690	rBV3	368215	1098242	66.86%	5.543%

Sum of corrected areas: 19811696

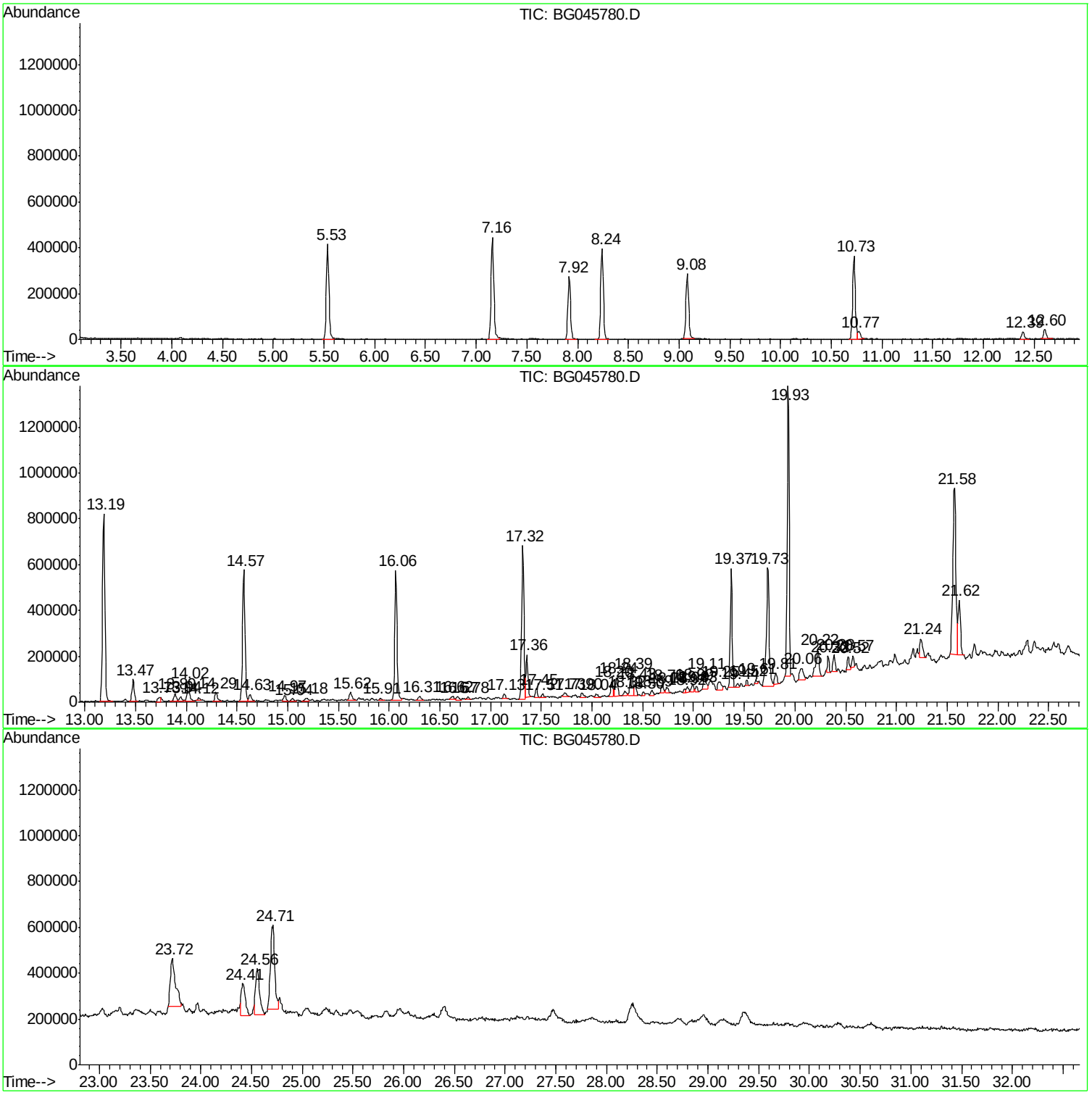
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061620\
Data File : BG045780.D
Acq On : 16 Jun 2020 20:02
Operator : CG/JU
Sample : L2815-06 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-061520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061620\
Data File : BG045780.D
Acq On : 16 Jun 2020 20:02
Operator : CG/JU
Sample : L2815-06 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-061520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

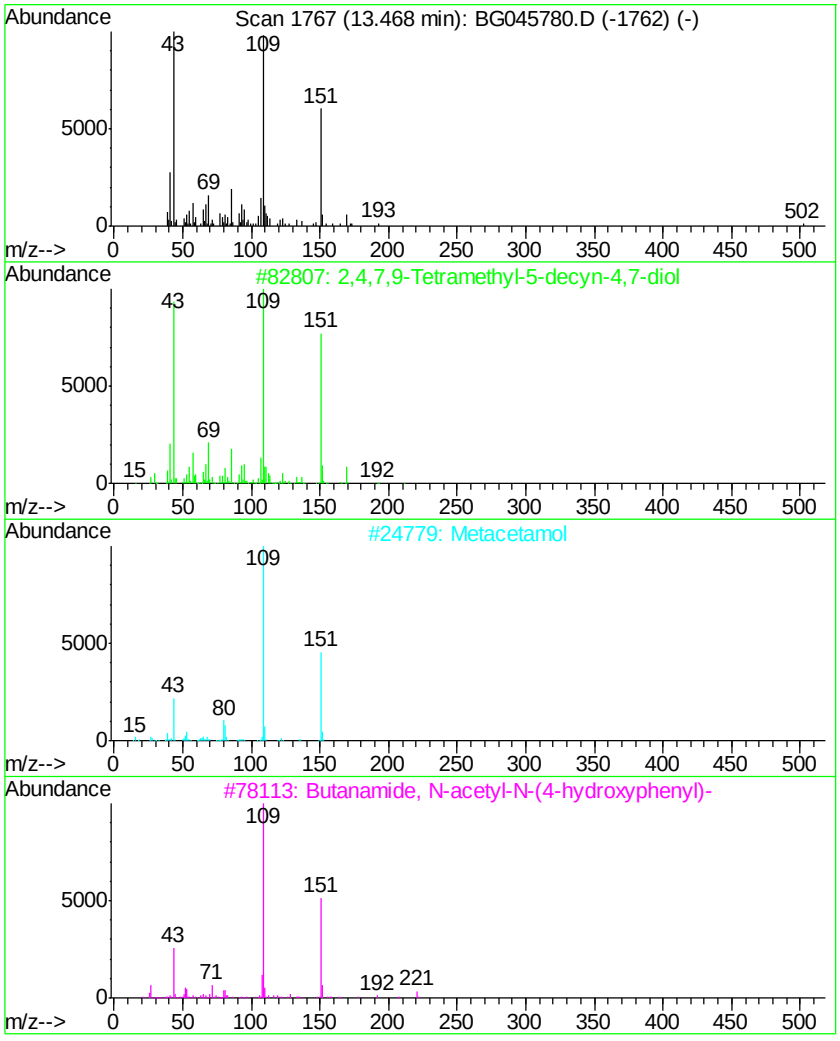
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

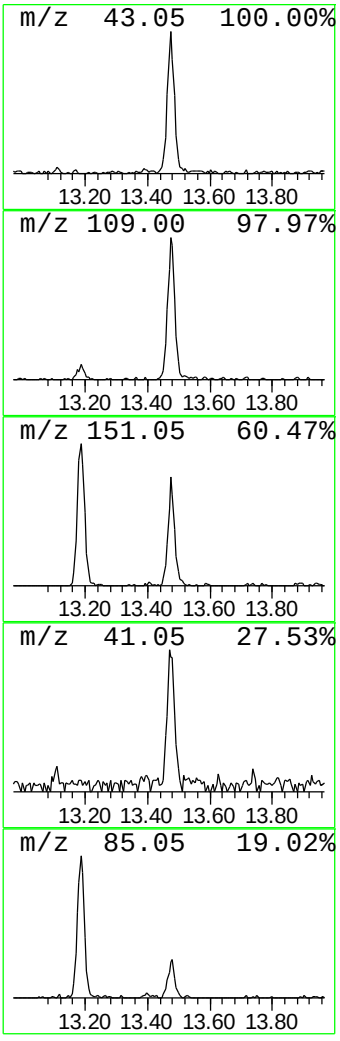
****

Peak Number 3 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	3.36 ng	156567	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	83
2	Metacetamol	151	C8H9NO2	000621-42-1	53
3	Butanamide, N-acetyl-N-(4-hydrox...	221	C12H15NO3	1000107-08-7	53
4	Pyridine, 2-butyl-, 1-oxide	151	C9H13NO	031396-32-4	53
5	3-Pyridinol, 4-methyl-, acetate ...	151	C8H9NO2	001006-96-8	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061620\
Data File : BG045780.D
Acq On : 16 Jun 2020 20:02
Operator : CG/JU
Sample : L2815-06 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-061520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

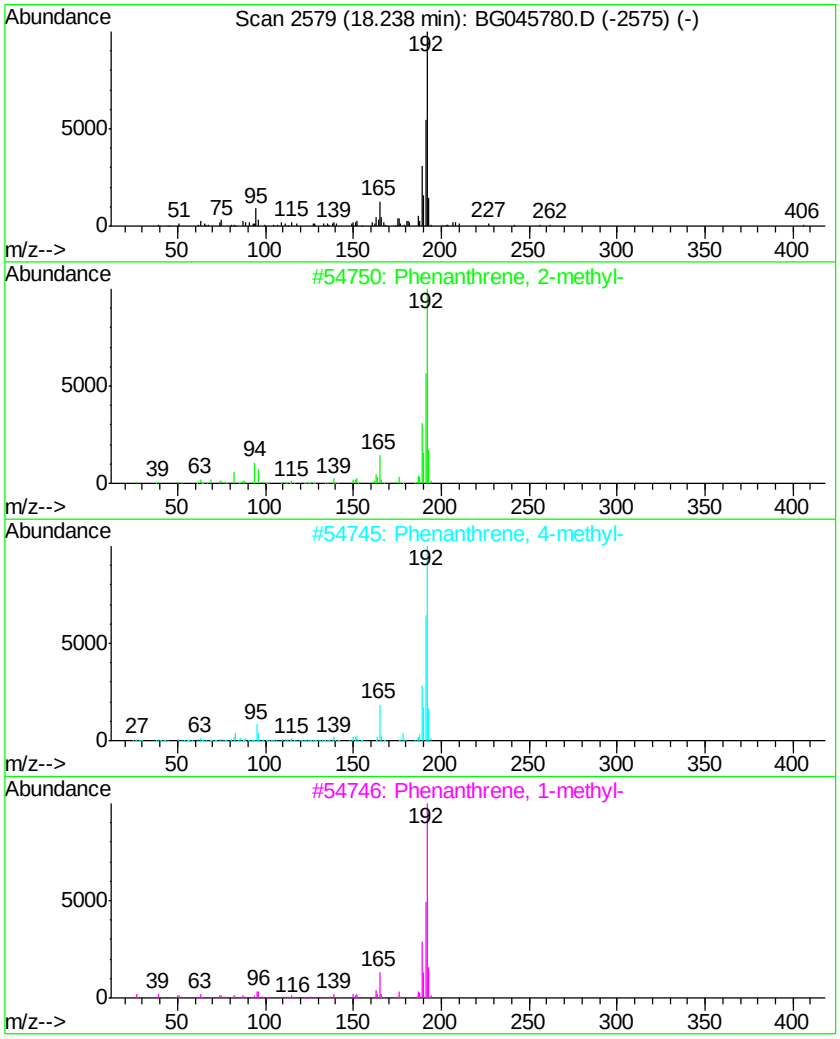
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

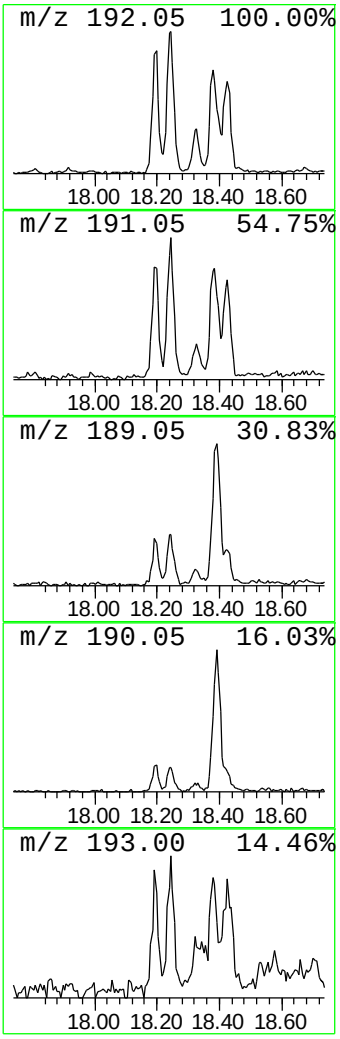
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	2.95 ng	152171	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061620\
Data File : BG045780.D
Acq On : 16 Jun 2020 20:02
Operator : CG/JU
Sample : L2815-06 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-061520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

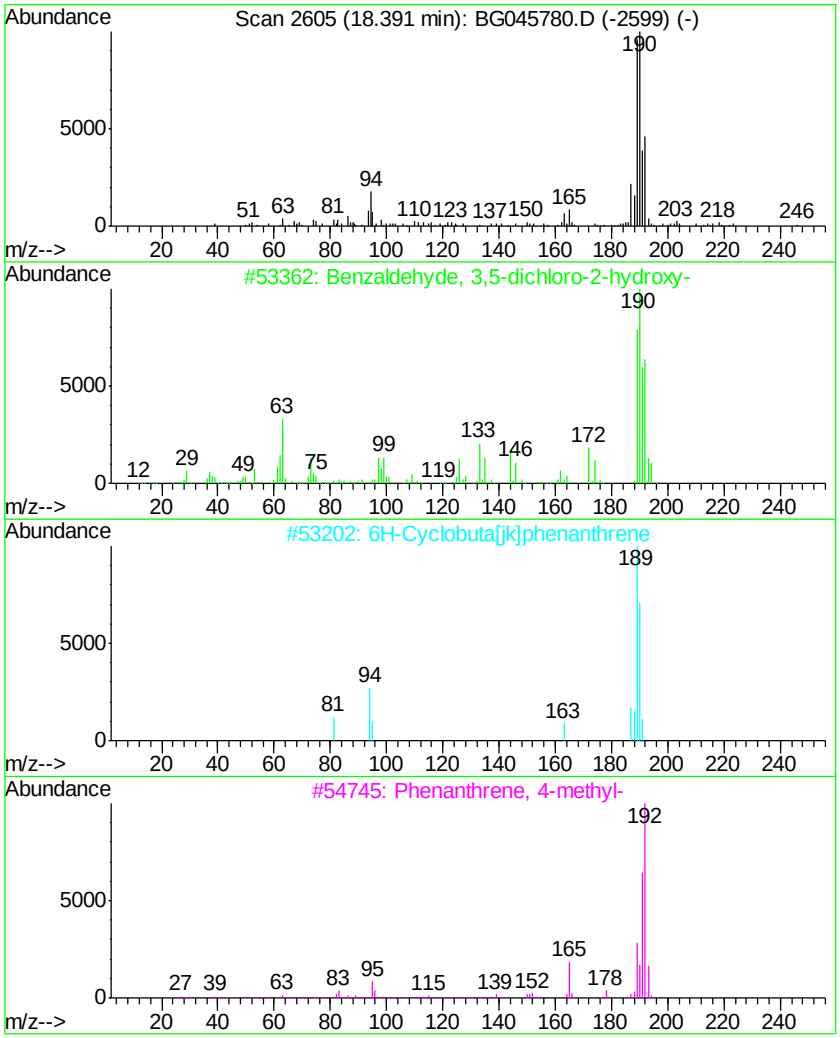
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

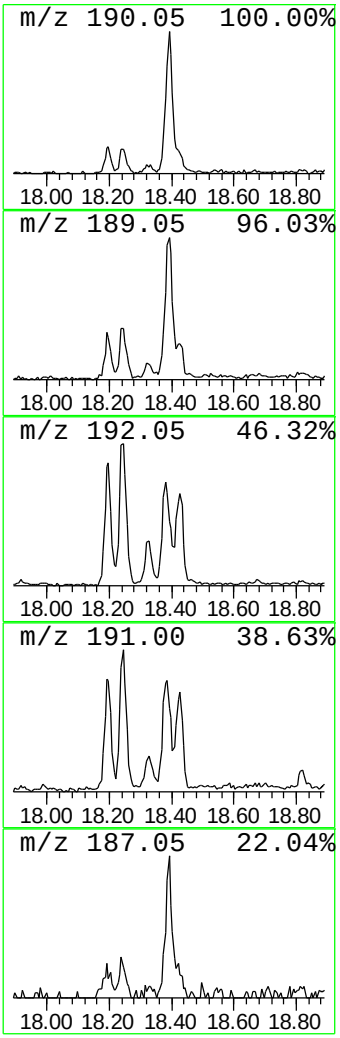
****

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	3.67 ng	189470	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	58
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061620\
Data File : BG045780.D
Acq On : 16 Jun 2020 20:02
Operator : CG/JU
Sample : L2815-06 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-061520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

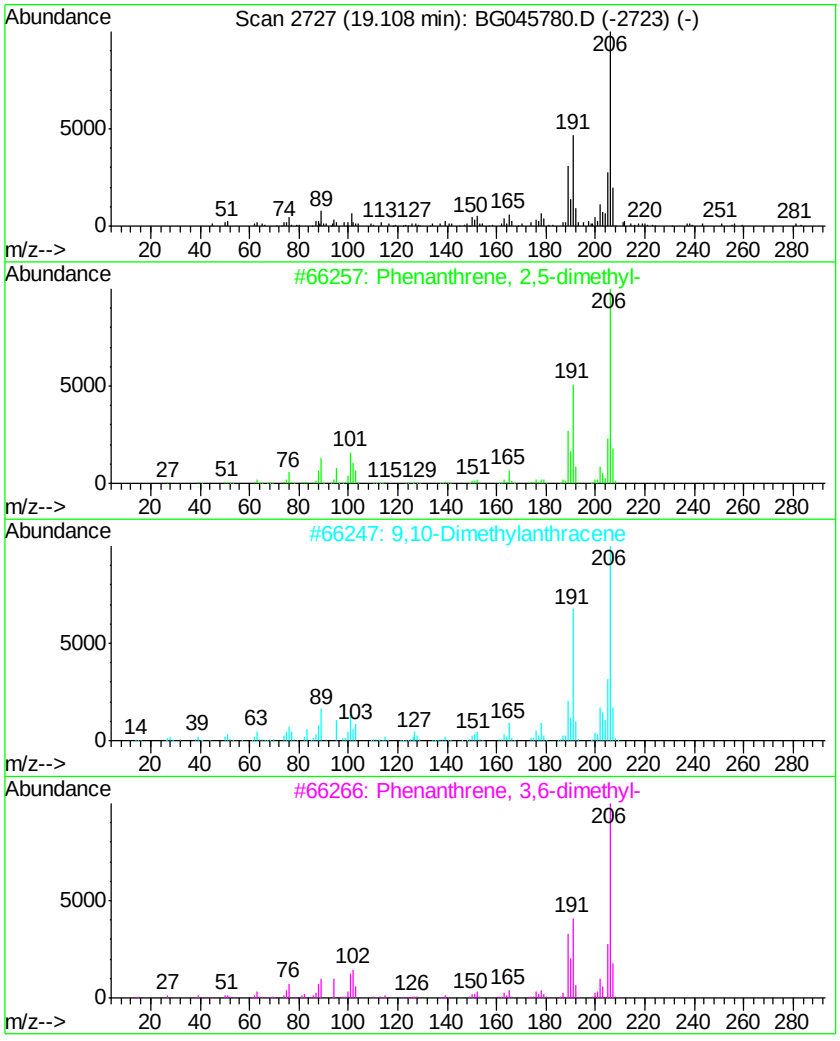
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

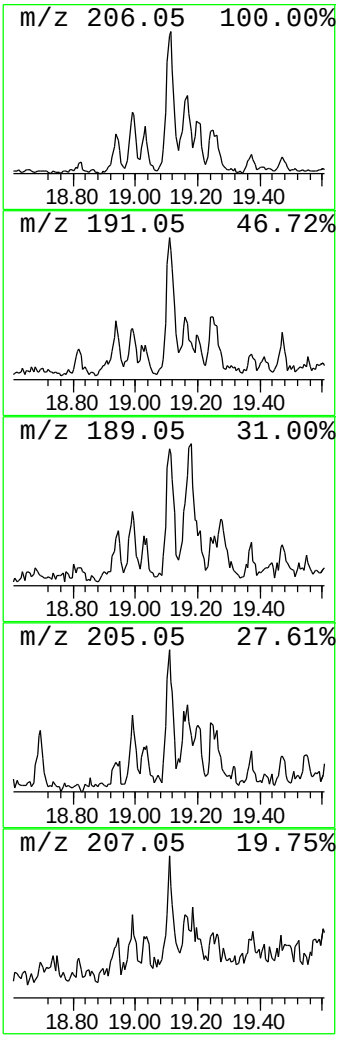
****

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	2.29 ng	118443	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061620\
Data File : BG045780.D
Acq On : 16 Jun 2020 20:02
Operator : CG/JU
Sample : L2815-06 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-061520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

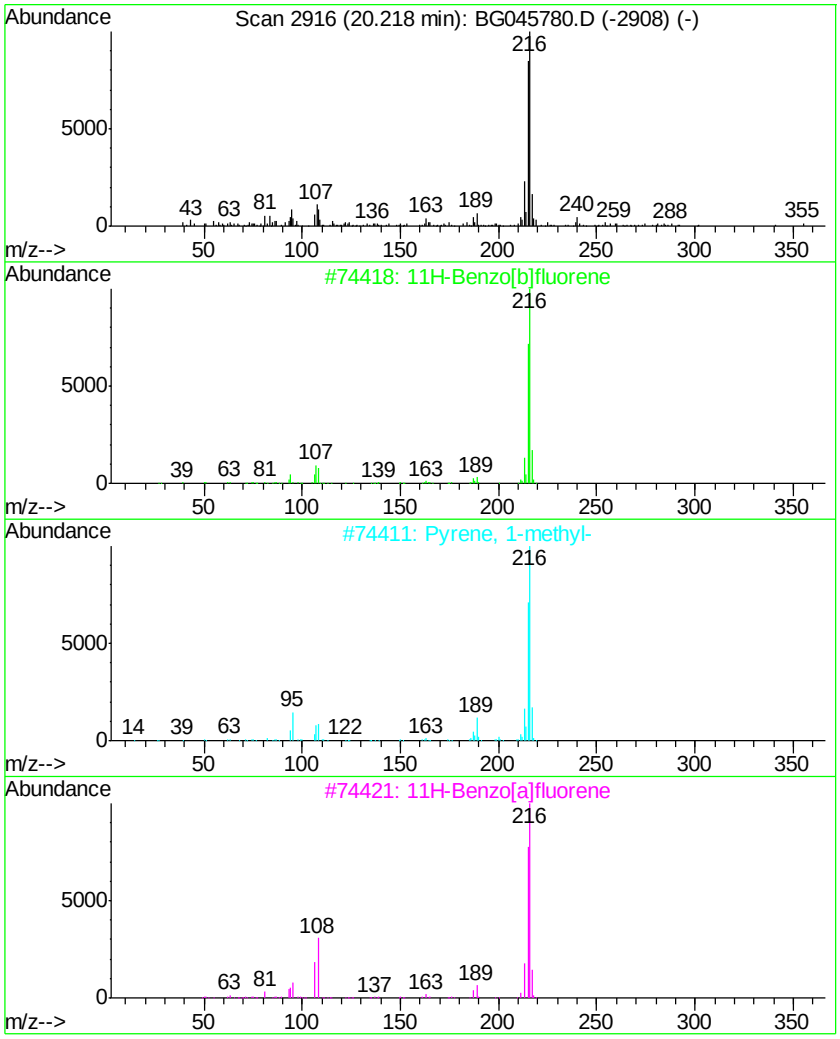
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

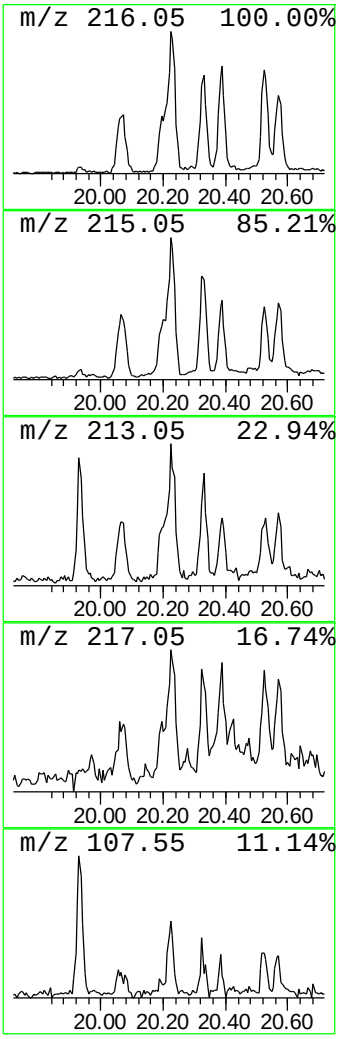
****

Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	3.34 ng	257188	Chrysene-d12	21.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061620\
Data File : BG045780.D
Acq On : 16 Jun 2020 20:02
Operator : CG/JU
Sample : L2815-06 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-061520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

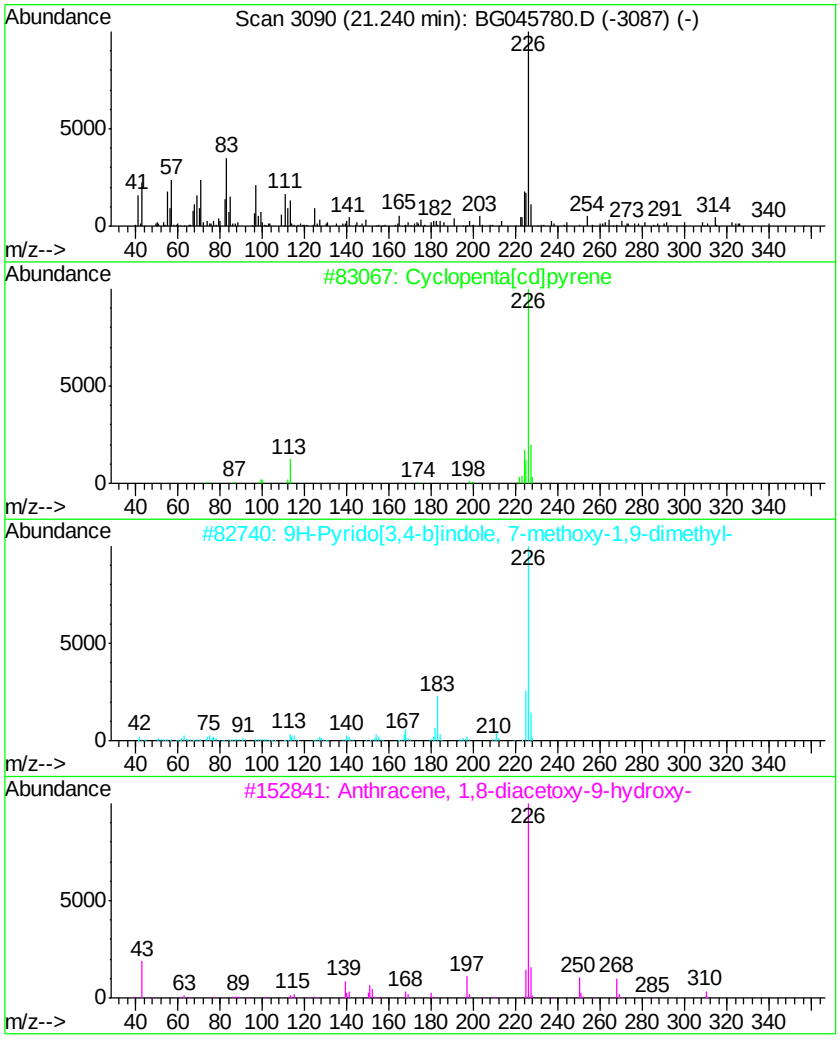
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

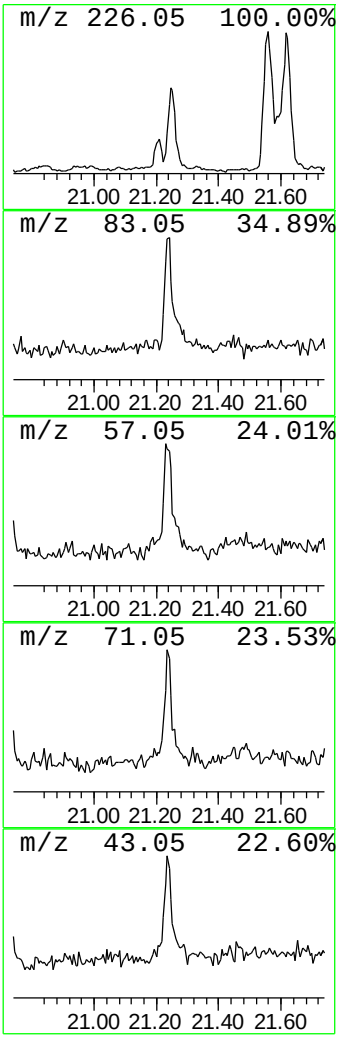
****

Peak Number 8 unknown21.24 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.24	2.13 ng	164195	Chrysene-d12	21.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	9H-Pyrido[3,4-b]indole, 7-methox...	226	C14H14N2O	143502-37-8	40
3	Anthracene, 1,8-diacetoxy-9-hydr...	310	C18H14O5	1000374-77-6	38
4	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	38
5	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	297758-19-1	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061620\
Data File : BG045780.D
Acq On : 16 Jun 2020 20:02
Operator : CG/JU
Sample : L2815-06 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-061520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

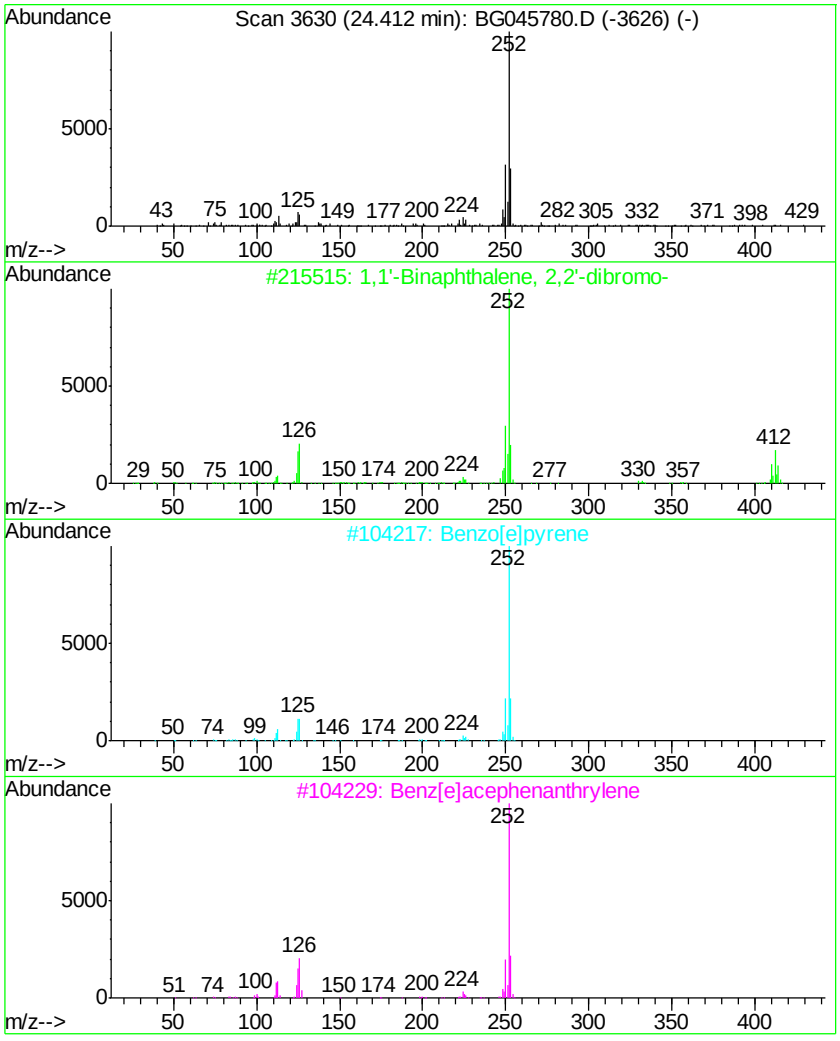
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

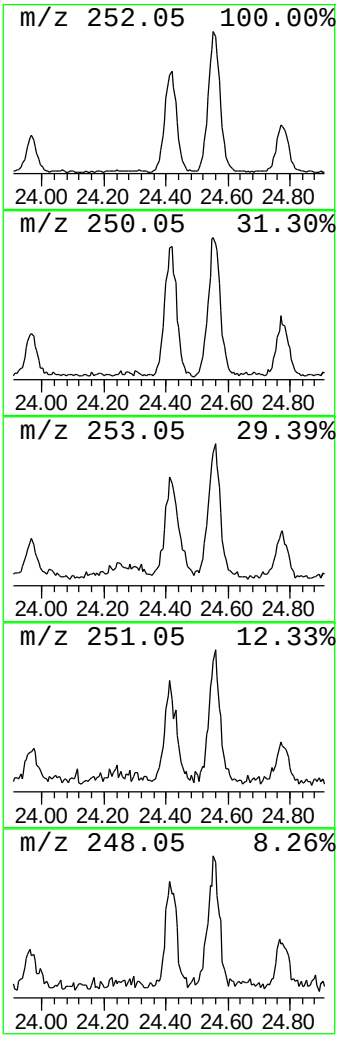
****

Peak Number 9 1,1'-Binaphthalene, 2,2'-di... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.41	7.10 ng	389719	Perylene-d12	24.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene, 2,2'-dibromo-	410	C20H12Br2	074866-28-7	83
2	Benzo[e]pyrene	252	C20H12	000192-97-2	81
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	74
4	Benzo[a]pyrene	252	C20H12	000050-32-8	74
5	Perylene	252	C20H12	000198-55-0	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061620\
Data File : BG045780.D
Acq On : 16 Jun 2020 20:02
Operator : CG/JU
Sample : L2815-06 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-061520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
2,4,7,9-Tetrameth...	13.47	3.4	ng	156567	3	14.57	930646	20.0
Phenanthrene, 2-m...	18.24	3.0	ng	152171	4	17.32	1032830	20.0
Benzaldehyde, 3,5...	18.39	3.7	ng	189470	4	17.32	1032830	20.0
Phenanthrene, 2,5...	19.11	2.3	ng	118443	4	17.32	1032830	20.0
11H-Benzo[b]fluorene	20.22	3.3	ng	257188	5	21.58	1538730	20.0
unknown21.24	21.24	2.1	ng	164195	5	21.58	1538730	20.0
1,1'-Binaphthalen...	24.41	7.1	ng	389719	6	24.70	1098240	20.0