LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051120\
Data File : BG045325.D
Acq On : 12 May 2020 11:18
Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

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-BG041520.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	5.539	410	417	424	rBV	136712	246065	12.28%	0.932%
2	7.137	683	689	700	rBV	162782	302098	15.07%	1.145%
3	7.971	823	831	843	rBV	293144	519824	25.93%	1.969%
4	8.300	879	887	894	rBV	148278	264499	13.20%	1.002%
5	9.128	1018	1028	1038	rBV	102578	203313	10.14%	0.770%
6	9.810	1138	1144	1151	rBV2	22099	49884	2.49%	0.189%
7	10.785	1298	1310	1317	rBV	406381	784017	39.11%	2.970%
8	11.302	1391	1398	1403	rBV2	24669	50642	2.53%	0.192%
9	11.437	1414	1421	1429	rBV2	25261	60904	3.04%	0.231%
10	12.436	1585	1591	1600	rBV5	17330	42007	2.10%	0.159%
11	13.241	1721	1728	1738	rVB	352623	577364	28.80%	2.187%
12	13.505	1767	1773	1778	rBV2	12174	24016	1.20%	0.091%
13	13.793	1816	1822	1828	rVB5	9688	22658	1.13%	0.086%
14	13.945	1842	1848	1853	rVV5	17400	33547	1.67%	0.127%
15	14.063	1862	1868	1873	rVV3	46004	98032	4.89%	0.371%
16	14.169	1881	1886	1892	rBV7	13358	26215	1.31%	0.099%
17	14.339	1911	1915	1923	rBV3	19400	45560	2.27%	0.173%
18	14.457	1931	1935	1940	rVB6	17045	28267	1.41%	0.107%
19	14.527	1942	1947	1952	rBV7	17254	28359	1.41%	0.107%
20	14.621	1953	1963	1969	rVV2	700838	1135682	56.66%	4.303%
21	14.686	1969	1974	1978	rBV4	15784	27627	1.38%	0.105%
22	14.833	1993	1999	2000	rBV3	17205	26849	1.34%	0.102%
23	15.021	2023	2031	2038	rVB3	35661	78627	3.92%	0.298%
24	15.097	2038	2044	2050	rBV2	47690	75024	3.74%	0.284%
25	15.244	2062	2069	2073	rBV3	34084	73106	3.65%	0.277%
26	15.291	2073	2077	2081	rVB3	26038	40584	2.02%	0.154%
27	15.579	2123	2126	2130	rVB6	20068	28717	1.43%	0.109%
28	15.661	2134	2140	2144	rBV5	27333	41867	2.09%	0.159%
29	15.702	2145	2147	2153	rVB6	16115	28995	1.45%	0.110%
30	15.767	2153	2158	2159	rBV4	16732	25264	1.26%	0.096%
31	15.837	2166	2170	2174	rVB6	18944	25091	1.25%	0.095%
32	15.884	2174	2178	2184	rBV3	36682	59272	2.96%	0.225%
33	15.955	2185	2190	2192	rBV6	14485	26323	1.31%	0.100%
34	16.107	2208	2216	2224	rVV	250861	444982	22.20%	1.686%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051120\
Data File : BG045325.D
Acq On : 12 May 2020 11:18
Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

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-BG041520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.178	2226	2228	2234	rVV6	15362	22886	1.14%	0.087%
36	16.307	2241	2250	2251	rBV9	11197	25989	1.30%	0.098%
37	16.342	2252	2256	2266	rVB5	78231	184859	9.22%	0.700%
38	16.442	2266	2273	2275	rBV7	15074	25617	1.28%	0.097%
39	16.483	2275	2280	2284	rBV3	38308	64729	3.23%	0.245%
40	16.524	2284	2287	2296	rVB7	20614	48501	2.42%	0.184%
41	16.671	2305	2312	2317	rBV5	39898	83504	4.17%	0.316%
42	16.724	2317	2321	2327	rBV3	36021	63419	3.16%	0.240%
43	16.877	2344	2347	2350	rBV4	19800	28659	1.43%	0.109%
44	17.024	2369	2372	2379	rVB8	22467	38707	1.93%	0.147%
45	17.188	2395	2400	2409	rVB2	71461	123145	6.14%	0.467%
46	17.370	2424	2431	2435	rBV	778238	1254693	62.60%	4.754%
47	17.411	2435	2438	2444	rVB	289378	411333	20.52%	1.558%
48	17.500	2449	2453	2458	rVB	54042	78342	3.91%	0.297%
49	17.570	2458	2465	2469	rBV6	48515	108607	5.42%	0.411%
50	17.787	2496	2502	2506	rBV6	35005	84807	4.23%	0.321%
51	17.875	2513	2517	2522	rVB6	39313	71093	3.55%	0.269%
52	17.952	2523	2530	2535	rBV	104230	167643	8.36%	0.635%
53	18.093	2549	2554	2561	rVB	71426	139538	6.96%	0.529%
54	18.246	2575	2580	2584	rBV	200433	319790	15.95%	1.212%
55	18.293	2584	2588	2595	rVB	280124	432427	21.57%	1.638%
56	18.375	2597	2602	2607	rBV2	84396	154186	7.69%	0.584%
57	18.434	2607	2612	2616	rVV2	275520	514261	25.66%	1.948%
58	18.475	2616	2619	2626	rVB	181751	267316	13.34%	1.013%
59	18.563	2631	2634	2637	rBV5	36979	53308	2.66%	0.202%
60	18.645	2643	2648	2652	rBV3	55137	83983	4.19%	0.318%
61	18.739	2660	2664	2668	rBV2	102612	156980	7.83%	0.595%
62	18.868	2683	2686	2690	rBV3	37679	62925	3.14%	0.238%
63	18.968	2698	2703	2704	rBV3	60755	91661	4.57%	0.347%
64	18.986	2704	2706	2710	rVV	102380	138351	6.90%	0.524%
65	19.039	2711	2715	2718	rVV	131966	202566	10.11%	0.767%
66	19.080	2718	2722	2725	rVB2	101378	146872	7.33%	0.556%
67	19.162	2730	2736	2740	rBV	303248	518279	25.86%	1.964%
68	19.221	2741	2746	2749	rVB3	79358	141967	7.08%	0.538%
69	19.297	2755	2759	2766	rBV5	105870	259315	12.94%	0.982%
70	19.420	2775	2780	2786	rBV	570080	818711	40.84%	3.102%
71	19.485	2787	2791	2794	rVV4	72798	109141	5.44%	0.414%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051120\
Data File : BG045325.D
Acq On : 12 May 2020 11:18
Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

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-BG041520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.520	2794	2797	2801	rVB2	70010	97178	4.85%	0.368%
73	19.667	2817	2822	2825	rBV2	98722	150460	7.51%	0.570%
74	19.785	2833	2842	2851	rBV	1036326	1847087	92.15%	6.998%
75	19.861	2851	2855	2860	rVB3	143976	241168	12.03%	0.914%
76	19.979	2871	2875	2879	rVV	510010	649131	32.38%	2.459%
77	20.014	2879	2881	2887	rVB4	76575	129169	6.44%	0.489%
78	20.108	2892	2897	2908	rBV3	144494	367851	18.35%	1.394%
79	20.196	2908	2912	2915	rBV5	59177	92738	4.63%	0.351%
80	20.272	2916	2925	2935	rVB2	249065	592318	29.55%	2.244%
81	20.378	2935	2943	2948	rBV2	175361	336883	16.81%	1.276%
82	20.437	2948	2953	2957	rBV	290699	422667	21.09%	1.601%
83	20.572	2972	2976	2980	rBV	243132	332368	16.58%	1.259%
84	20.619	2980	2984	2988	rVB	243383	315407	15.74%	1.195%
85	20.995	3045	3048	3051	rBV4	52106	86057	4.29%	0.326%
86	21.130	3069	3071	3076	rVB	76417	104646	5.22%	0.396%
87	21.195	3078	3082	3083	rBV2	93410	117772	5.88%	0.446%
88	21.218	3084	3086	3090	rVB3	118381	147380	7.35%	0.558%
89	21.306	3097	3101	3106	rBV3	59998	129629	6.47%	0.491%
90	21.629	3148	3156	3161	rBV2	838538	2004438	100.00%	7.594%
91	21.676	3161	3164	3177	rVB	472690	850161	42.41%	3.221%
92	21.782	3178	3182	3186	rVB2	72804	112446	5.61%	0.426%
93	21.835	3186	3191	3195	rBV3	104379	176800	8.82%	0.670%
94	22.358	3272	3280	3286	rBV	215940	493784	24.63%	1.871%
95	22.428	3288	3292	3297	rVB	144227	253187	12.63%	0.959%
96	22.622	3321	3325	3330	rBV	103680	186249	9.29%	0.706%
97	23.797	3519	3525	3535	rBV2	185500	622596	31.06%	2.359%
98	24.514	3641	3647	3660	rVB	205812	546877	27.28%	2.072%
99	24.655	3663	3671	3681	rVB	277155	789161	39.37%	2.990%
100	24.801	3688	3696	3705	rBV	408055	1155375	57.64%	4.377%

Sum of corrected areas: 26394374

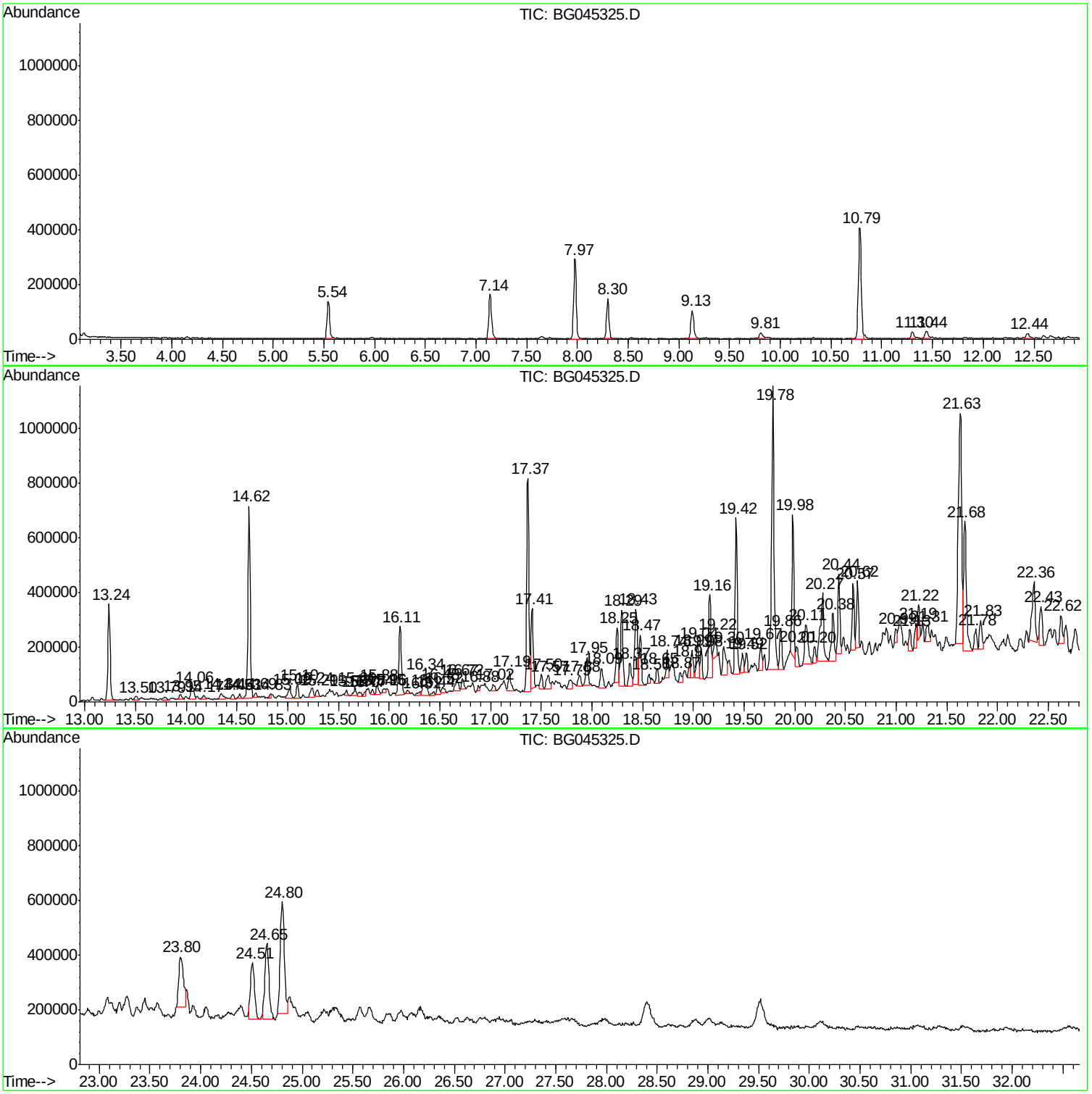
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051120\
Data File : BG045325.D
Acq On : 12 May 2020 11:18
Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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\BG051120\
Data File : BG045325.D
Acq On : 12 May 2020 11:18
Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

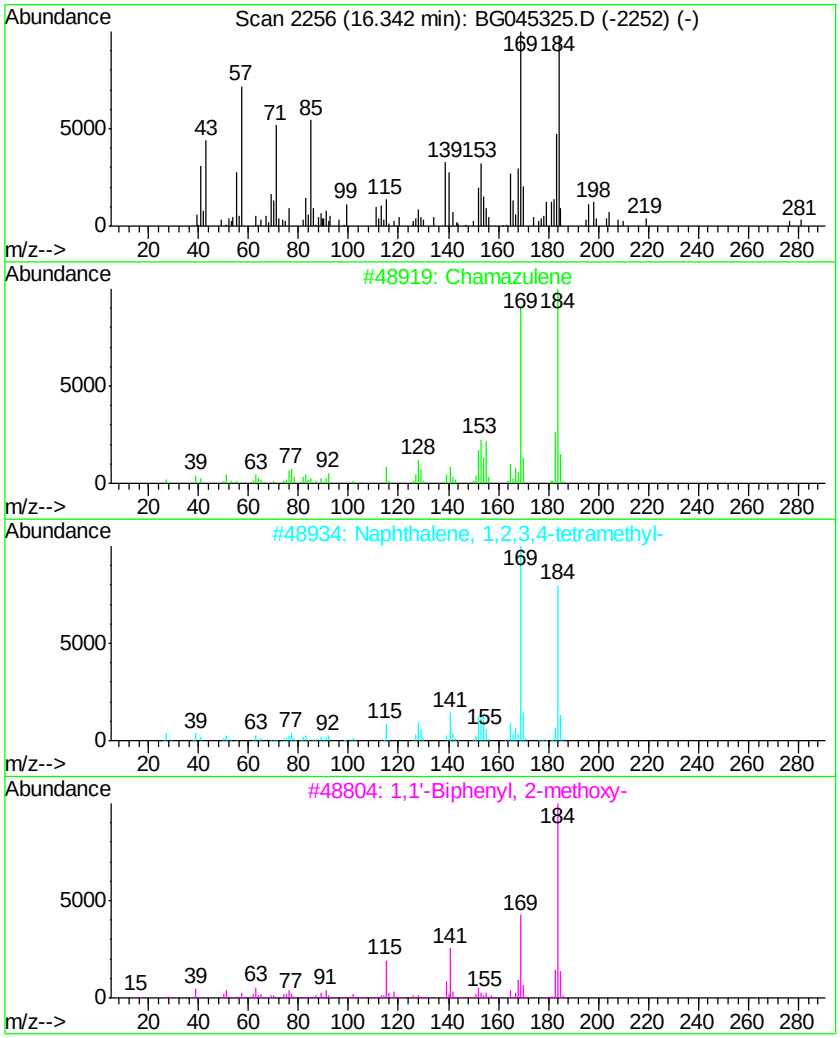
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

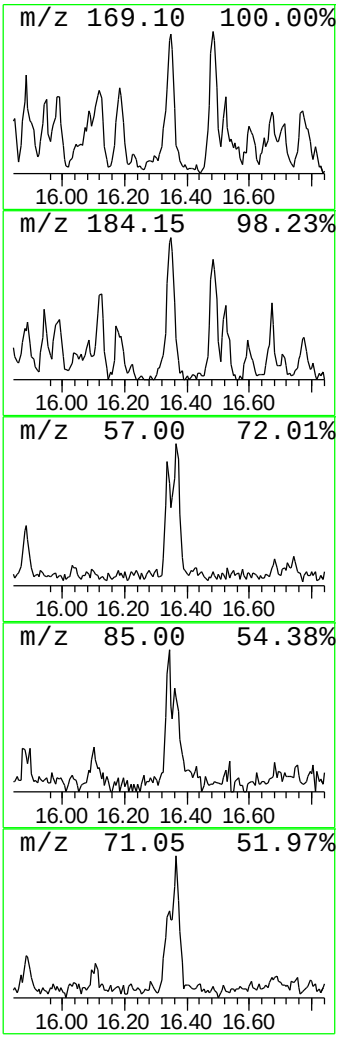
****

Peak Number 2 Chamazulene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	2.95 ng	184859	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	62
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	49
3	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	38
4	1,2,3,4-Tetrahydrophenazine	184	C12H12N2	004829-73-6	38
5	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051120\
Data File : BG045325.D
Acq On : 12 May 2020 11:18
Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

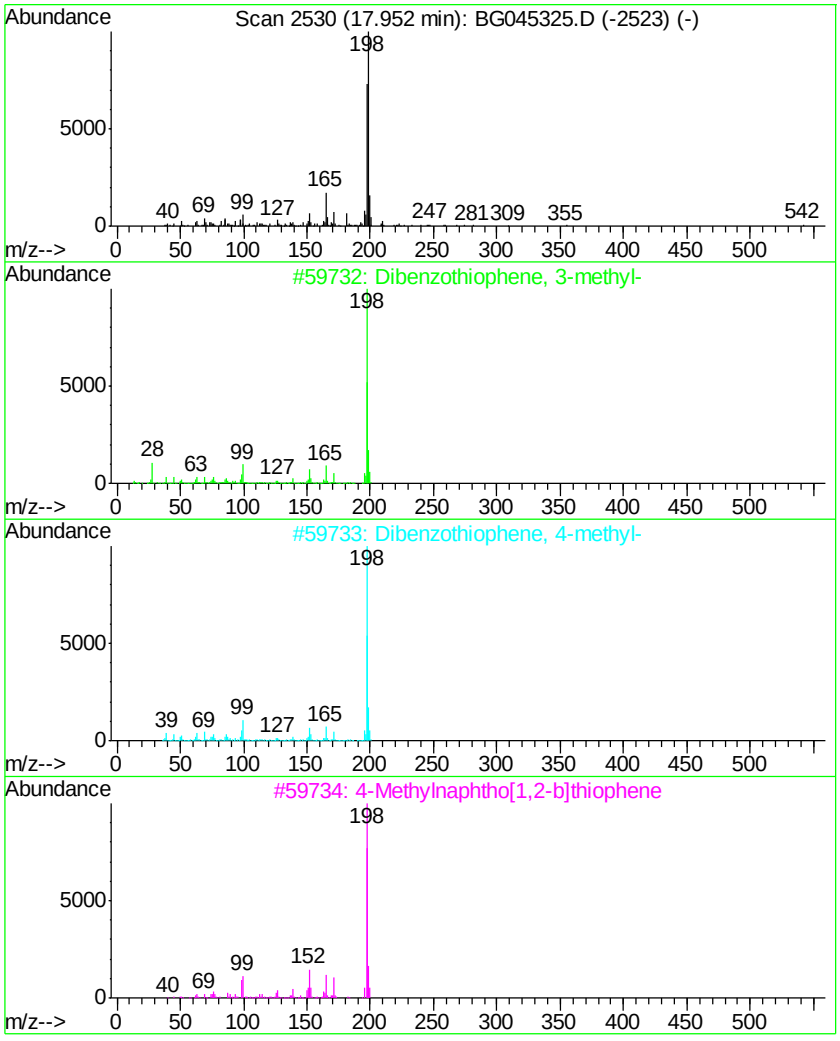
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

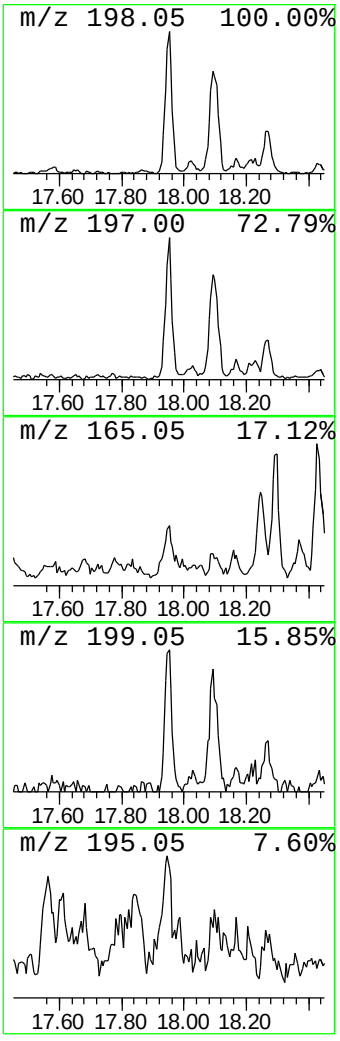
****

Peak Number 3 Dibenzothiophene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	2.67 ng	167643	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	86
4	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	80
5	Tacrine	198	C13H14N2	000321-64-2	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051120\
Data File : BG045325.D
Acq On : 12 May 2020 11:18
Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

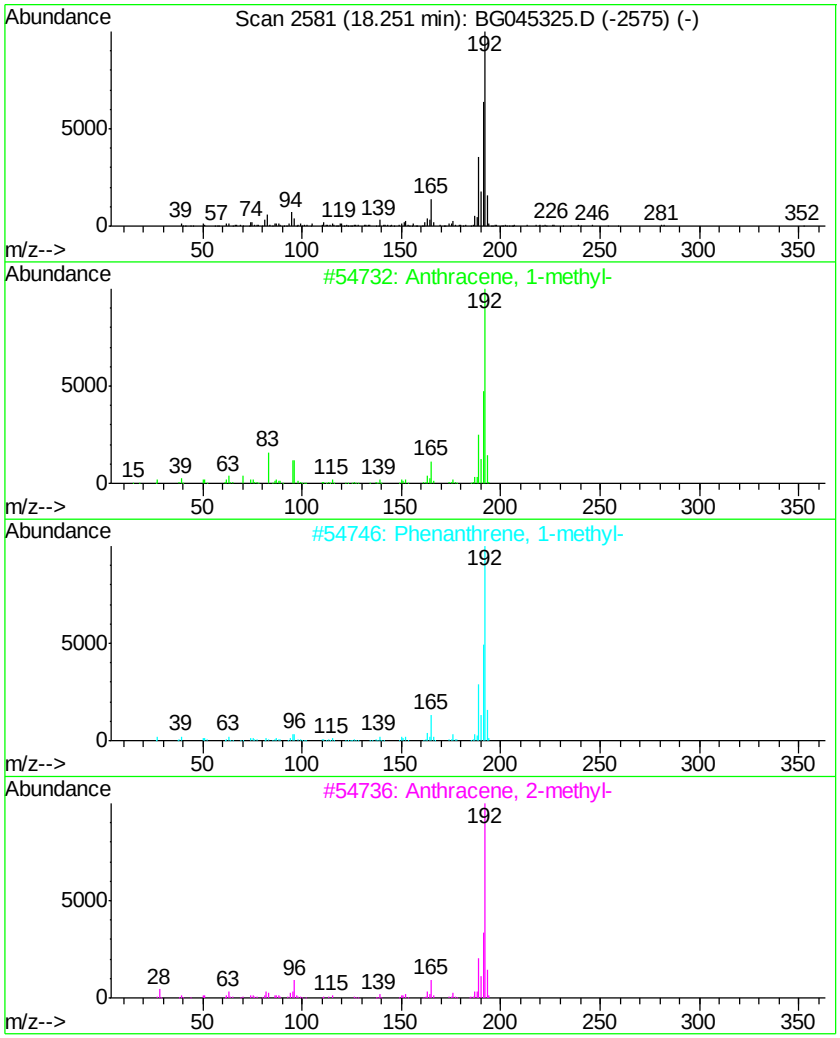
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

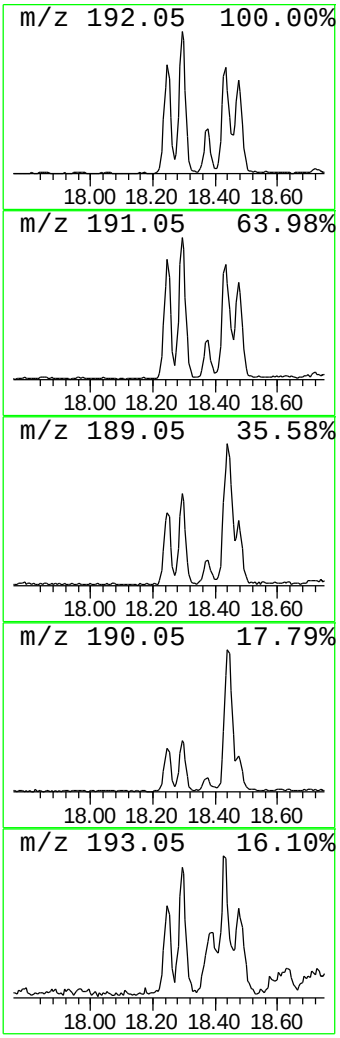
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	5.10 ng	319790	Phenanthrene-d10	17.37

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051120\
Data File : BG045325.D
Acq On : 12 May 2020 11:18
Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

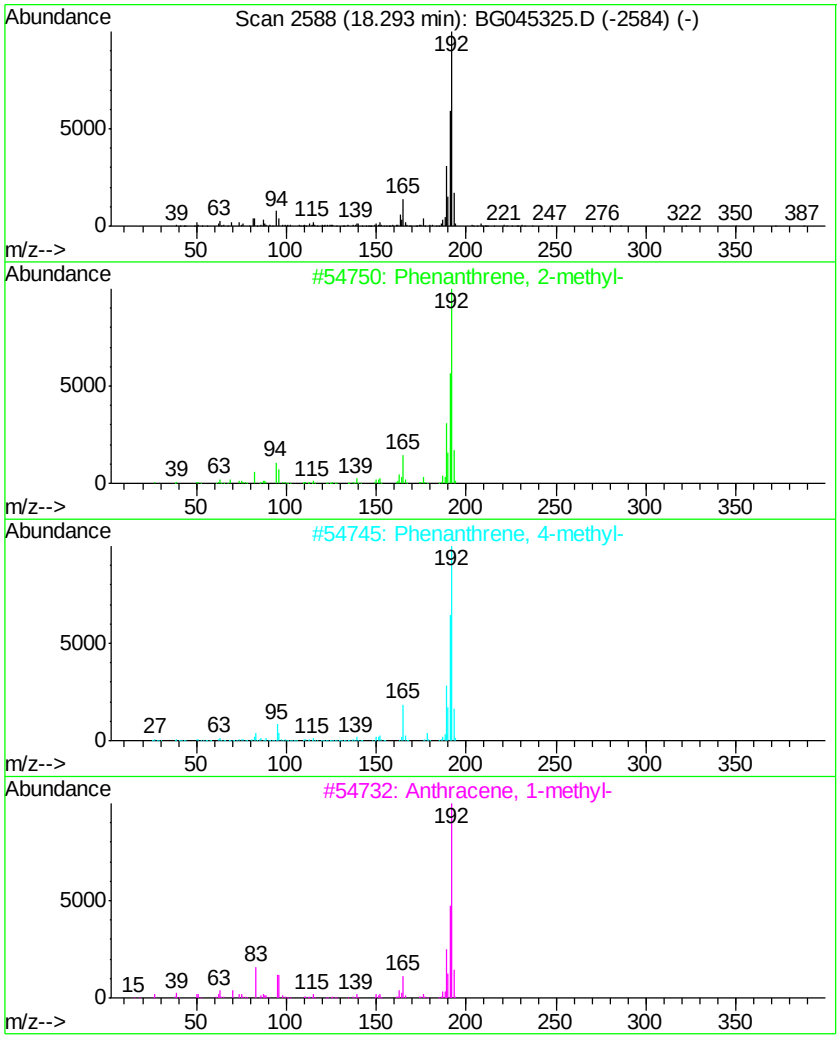
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

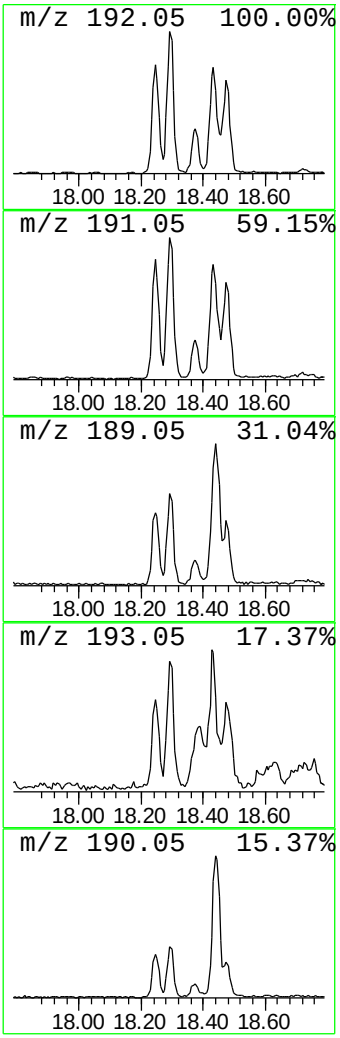
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	6.89 ng	432427	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051120\
Data File : BG045325.D
Acq On : 12 May 2020 11:18
Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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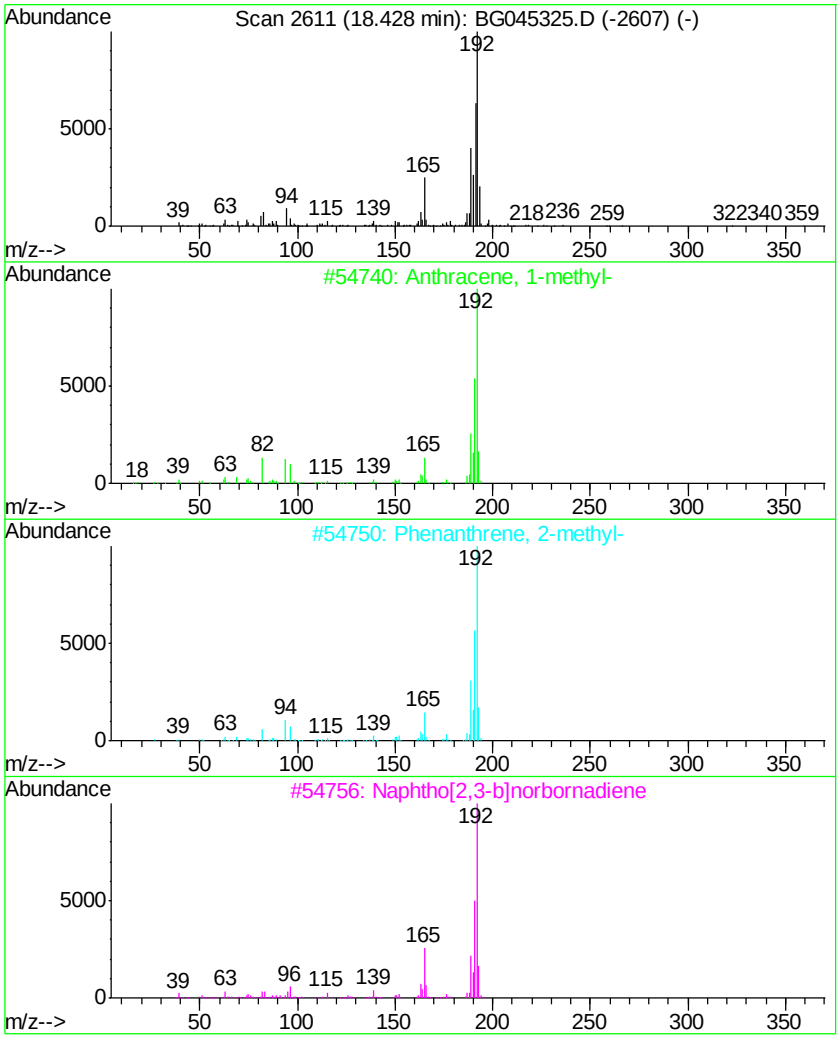
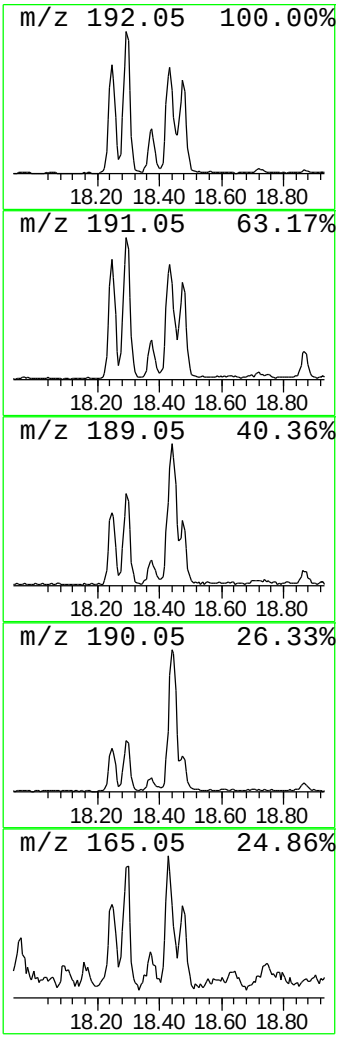
Peak Number 6 Naphtho[2,3-b]norbornadiene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	8.20 ng	514261	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64





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Data File : BG045325.D
Acq On : 12 May 2020 11:18
Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

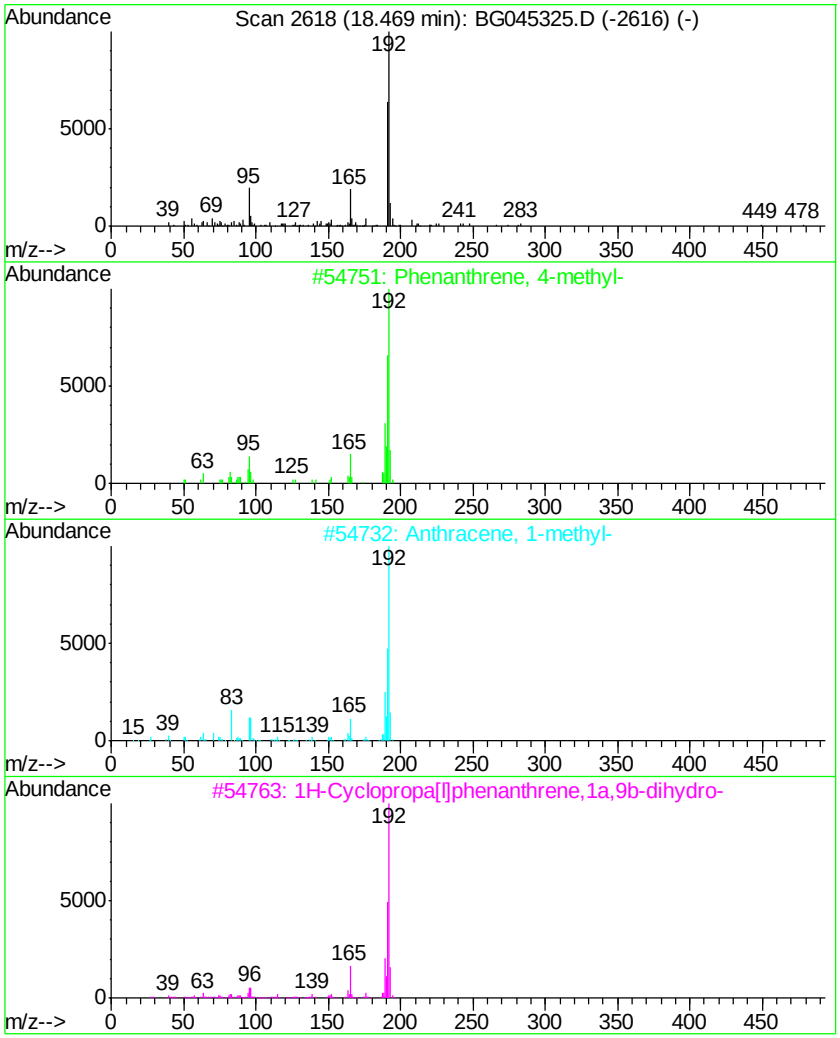
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

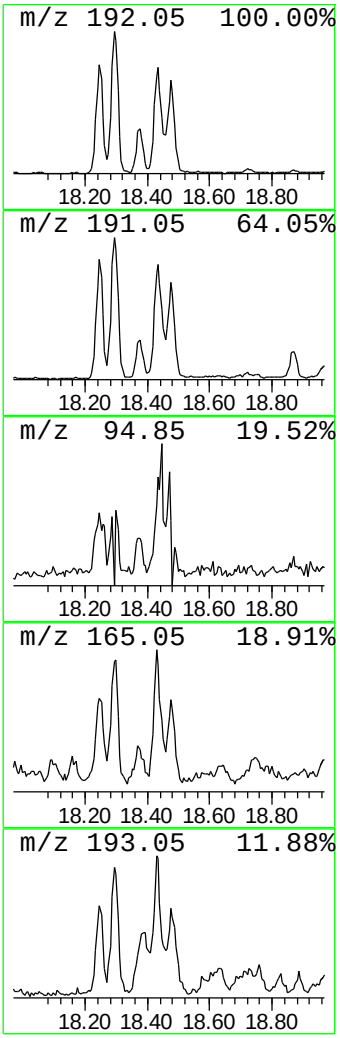
****

Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	4.26 ng	267316	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87





Library Search Compound Report

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Data File : BG045325.D
Acq On : 12 May 2020 11:18
Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

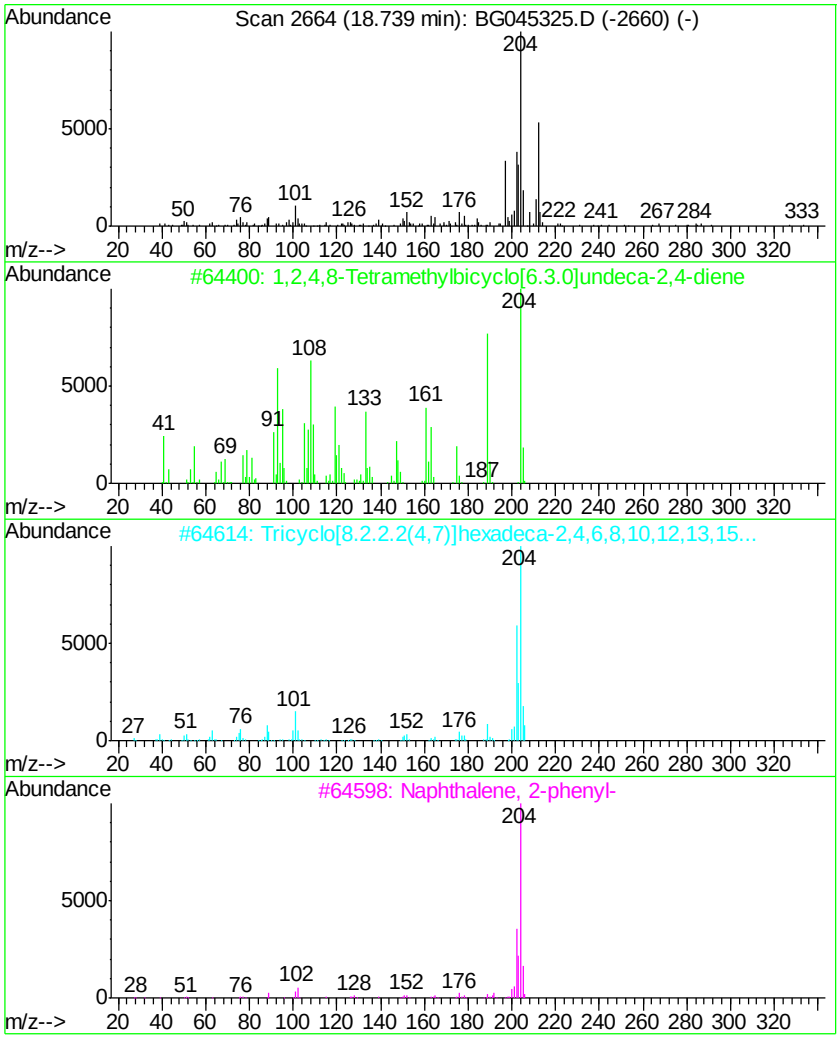
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

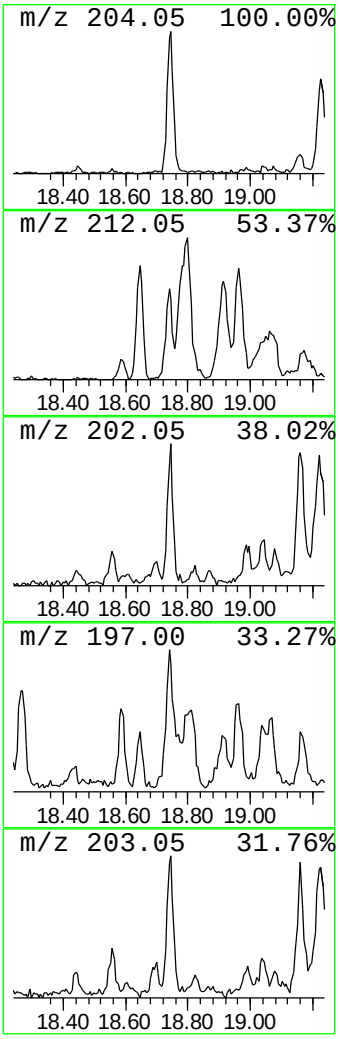
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	2.50 ng	156980	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	70
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	41





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Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

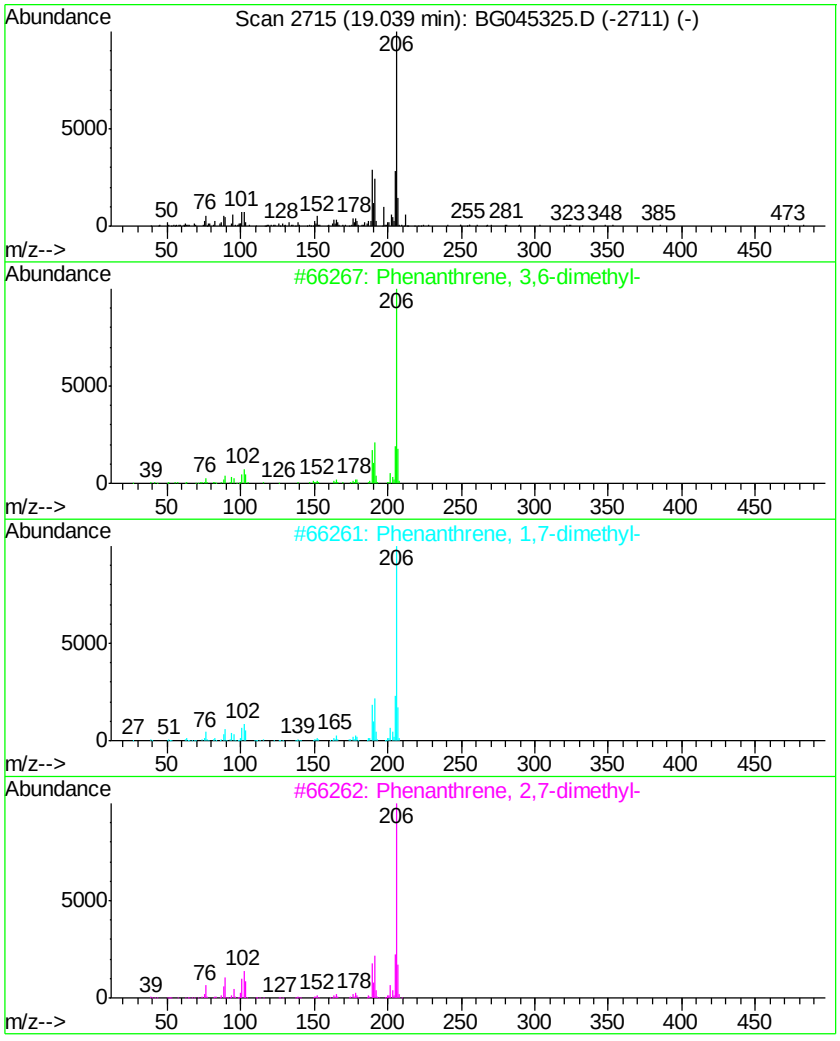
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

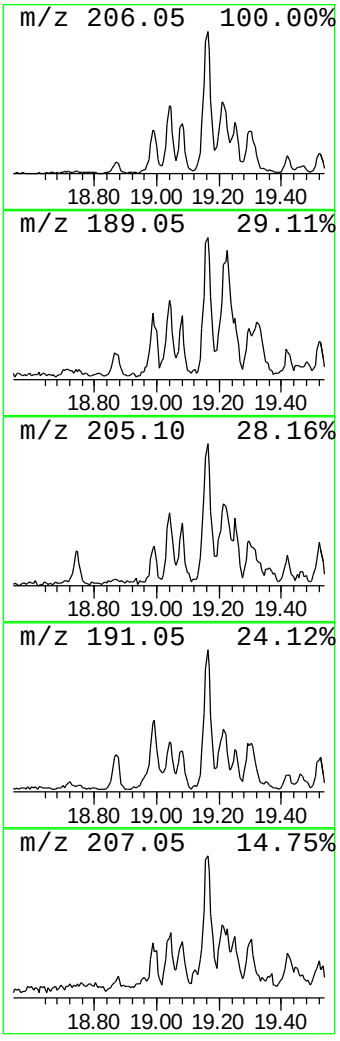
****

Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	3.23 ng	202566	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	72
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	72
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	70





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Acq On : 12 May 2020 11:18
Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

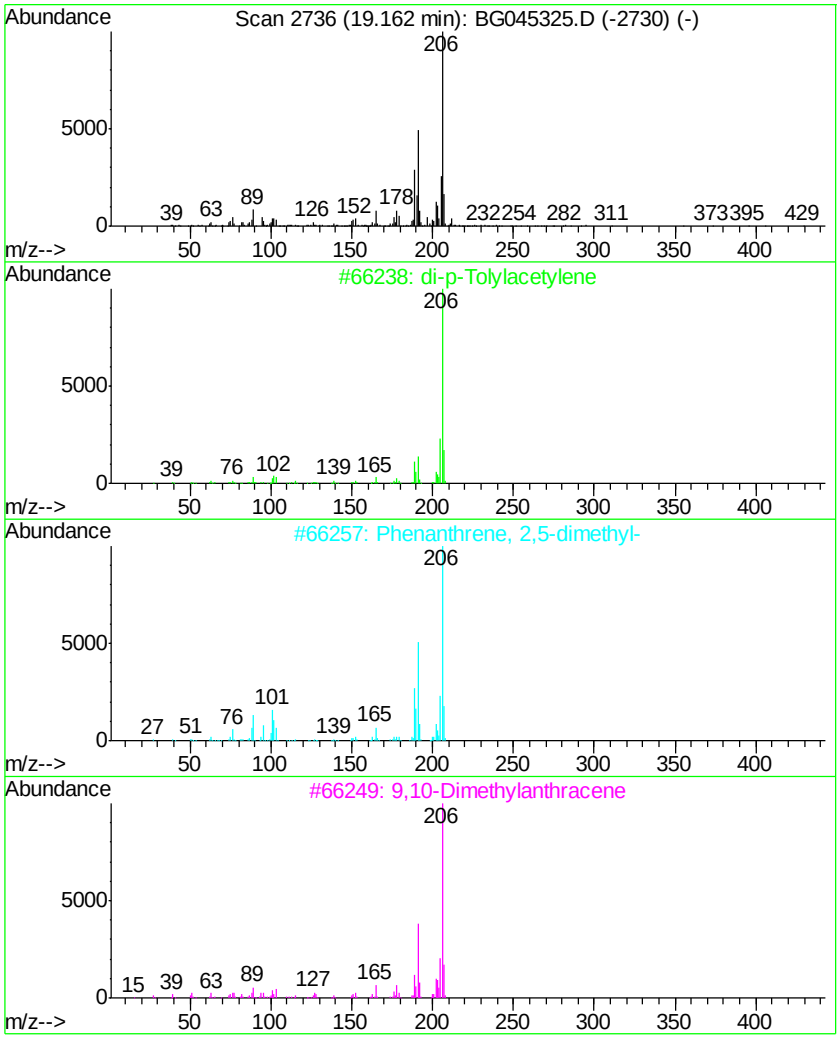
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

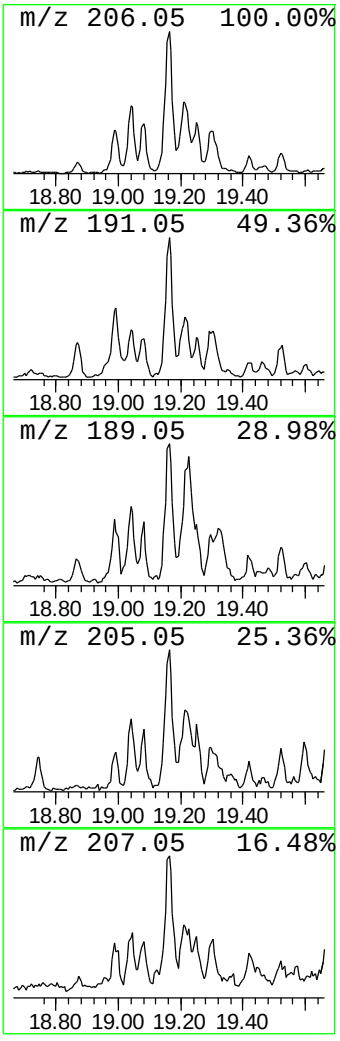
****

Peak Number 10 di-p-Tolylacetylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	8.26 ng	518279	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Data File : BG045325.D
Acq On : 12 May 2020 11:18
Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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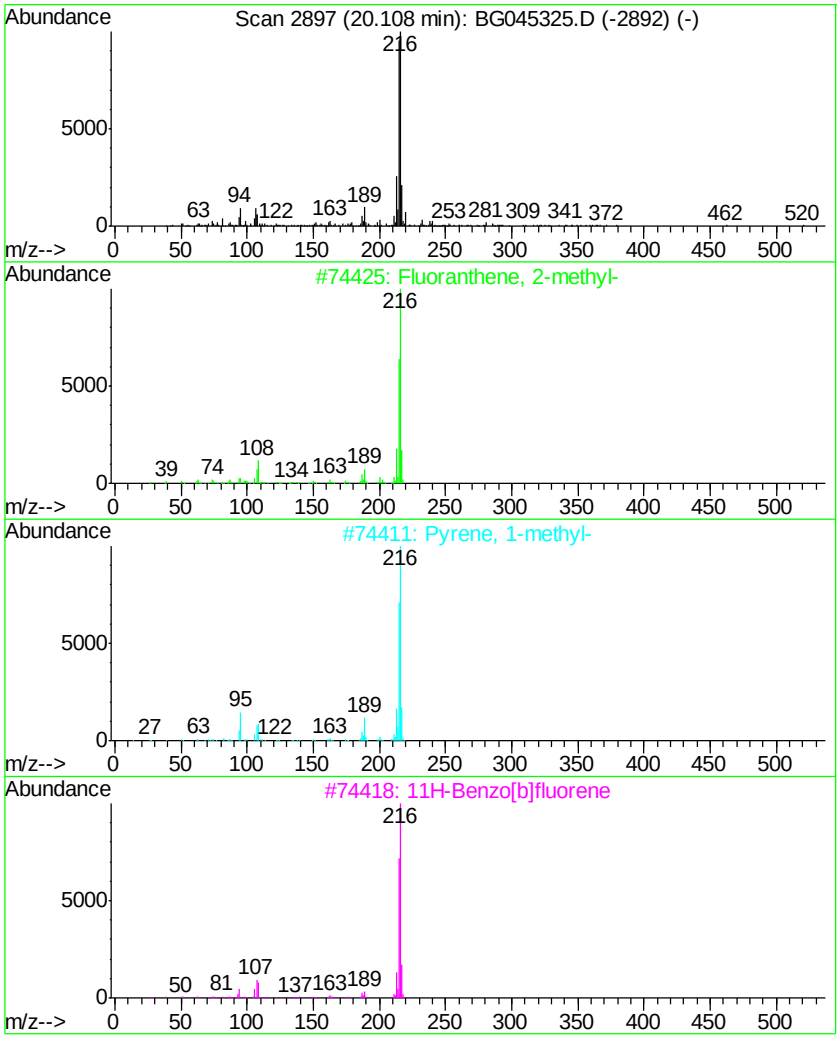
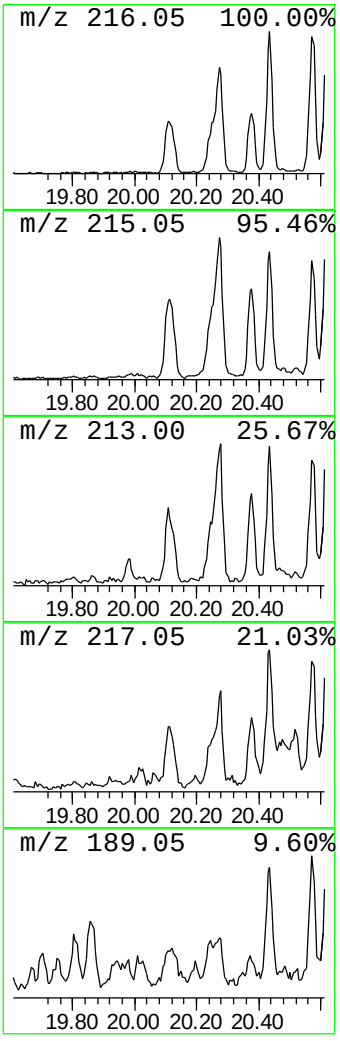
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	3.67 ng	367851	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Acq On : 12 May 2020 11:18
Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

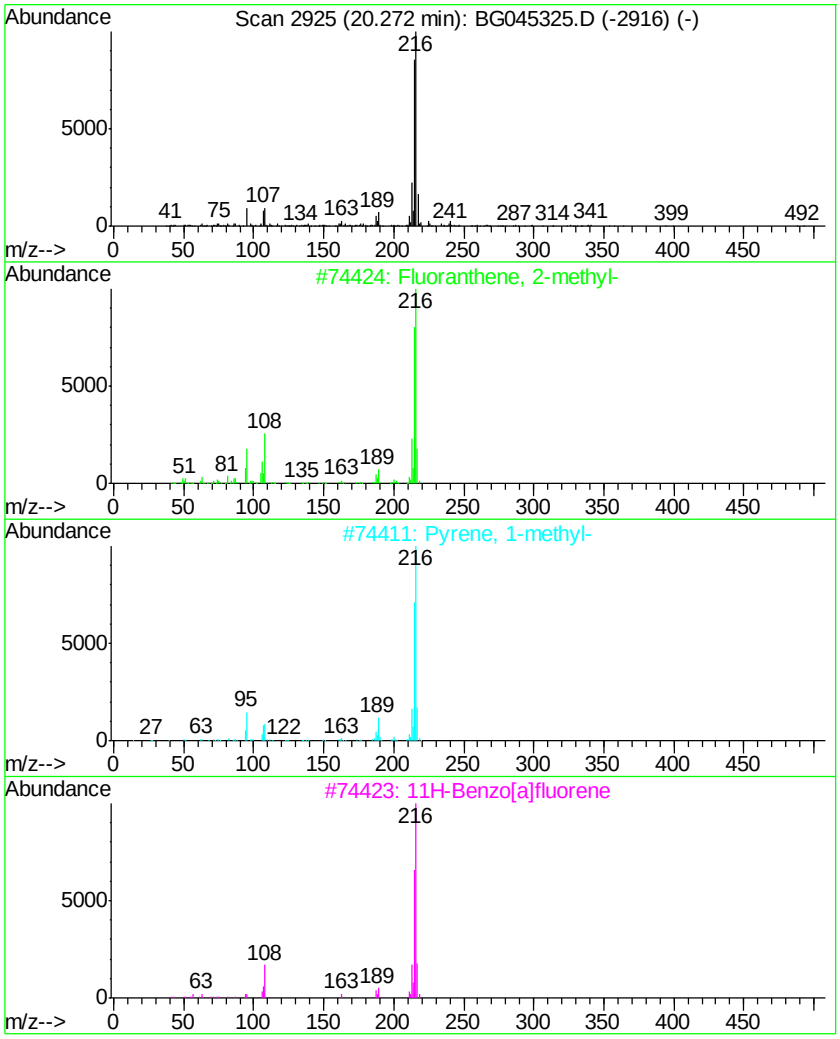
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

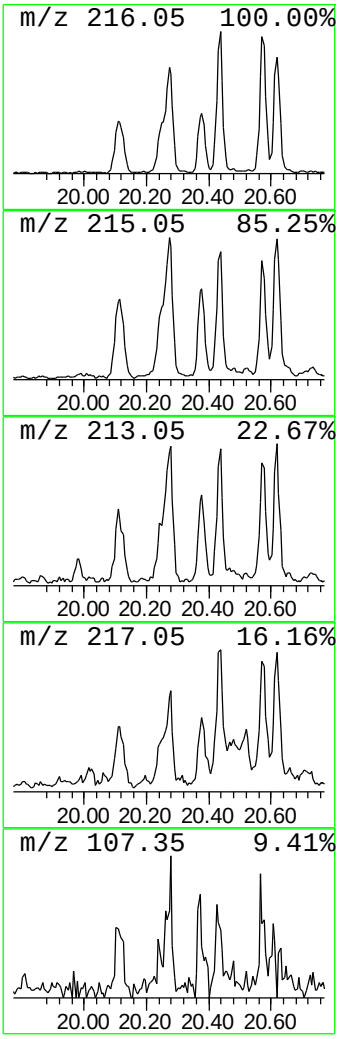
****

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	5.91 ng	592318	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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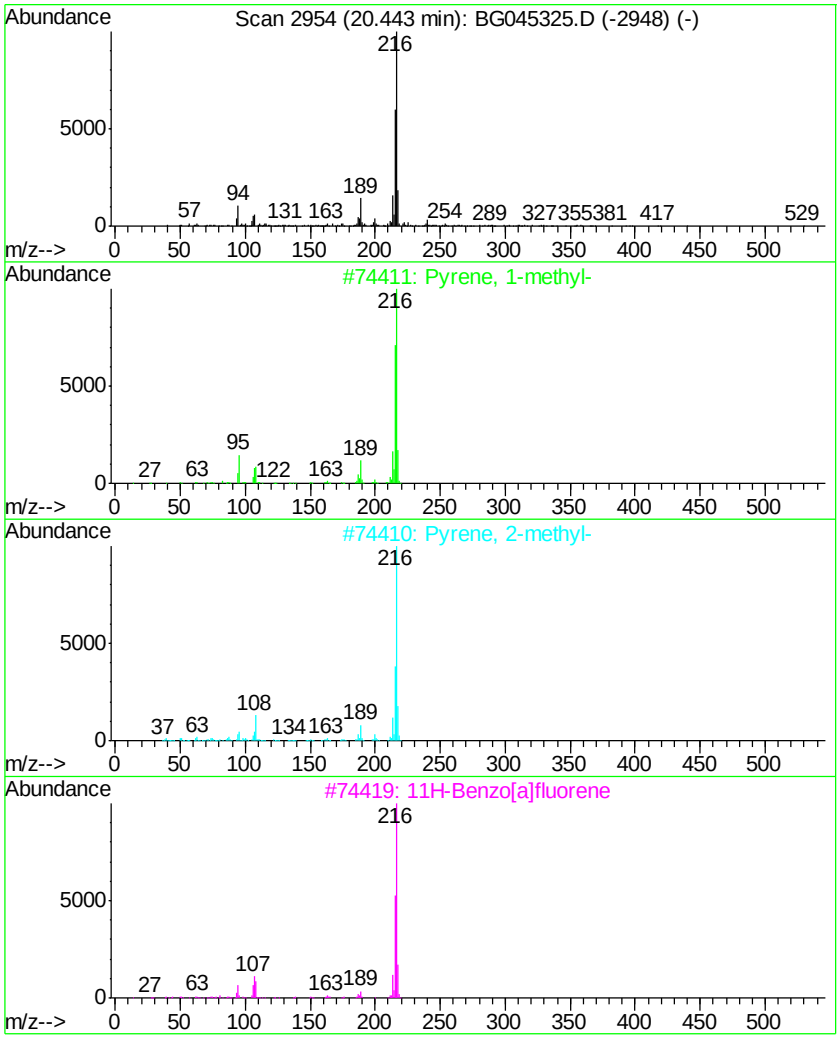
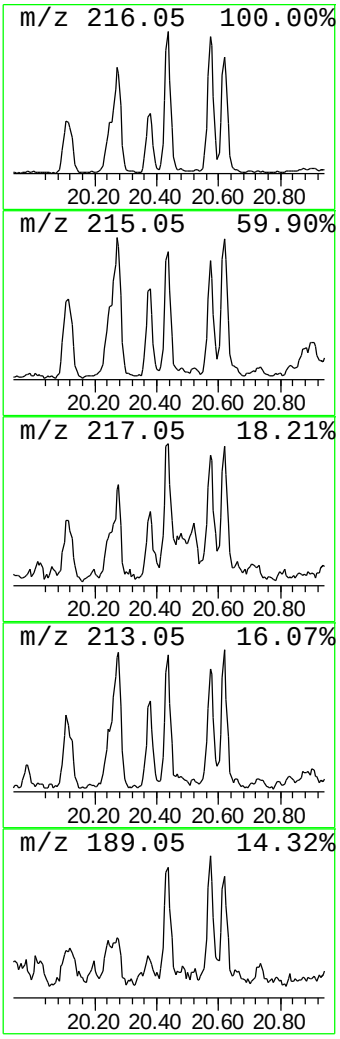
Peak Number 15 Pyrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	4.22 ng	422667	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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Sample : L2540-02 5X
Misc :
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ClientSampleId : ETGI-346

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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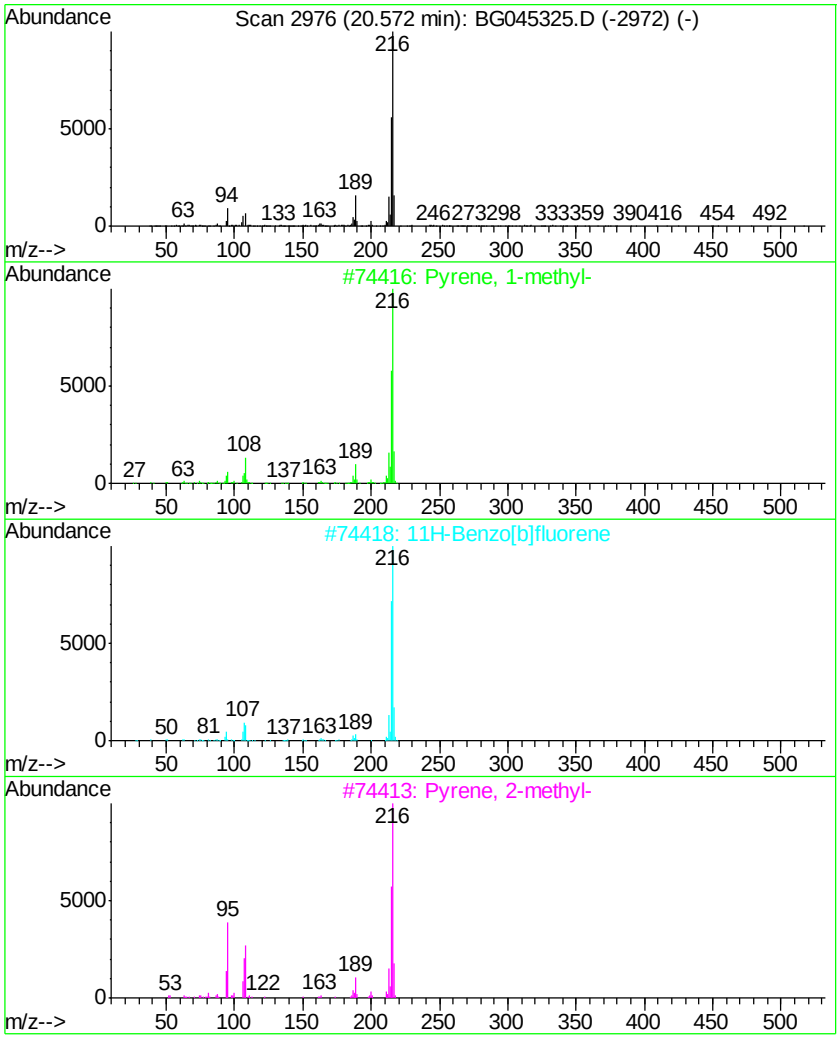
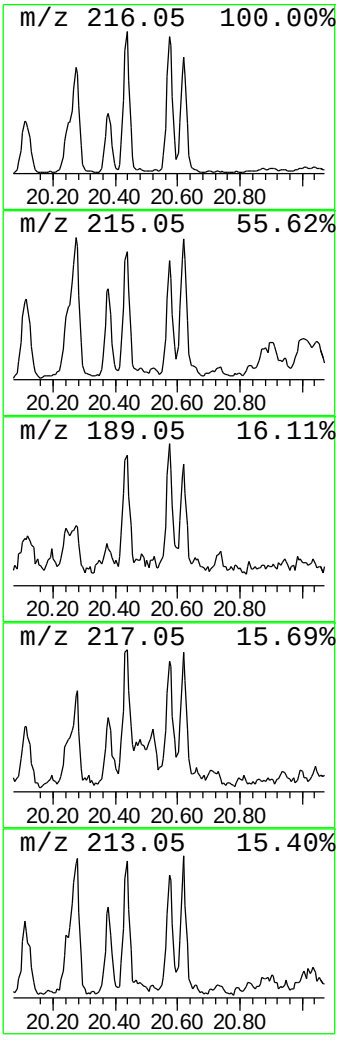
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	3.32 ng	332368	Chrysene-d12	21.64

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





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Misc :
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Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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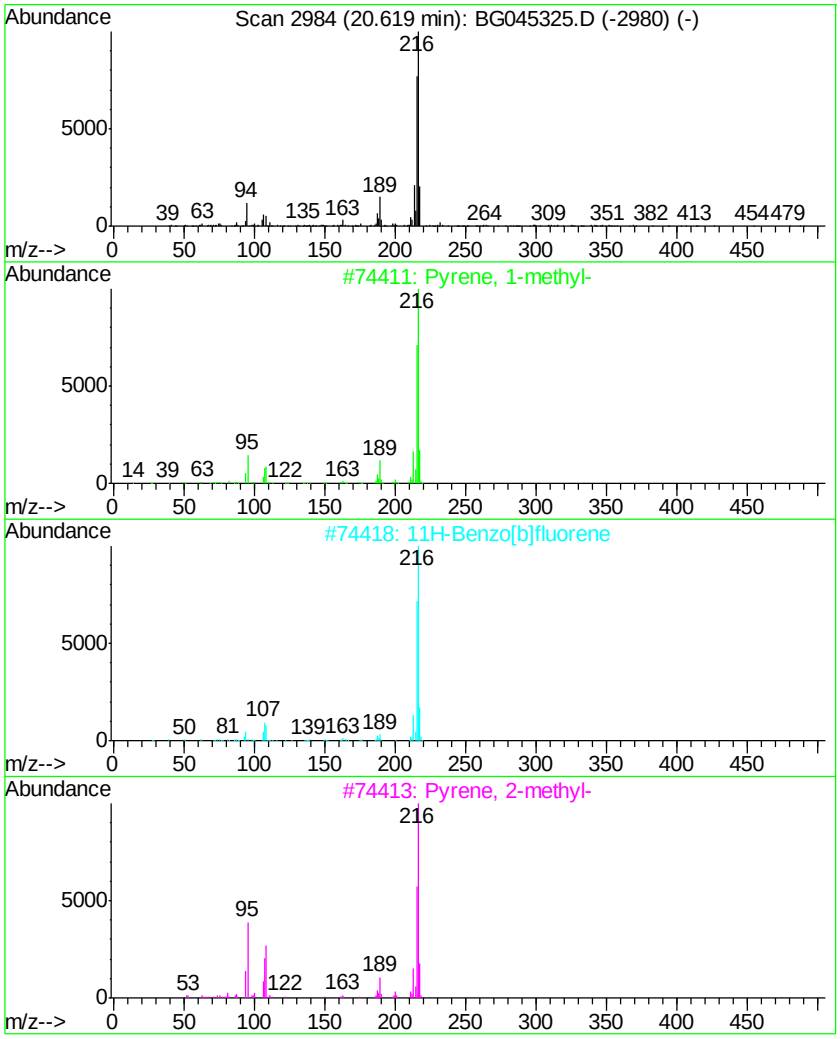
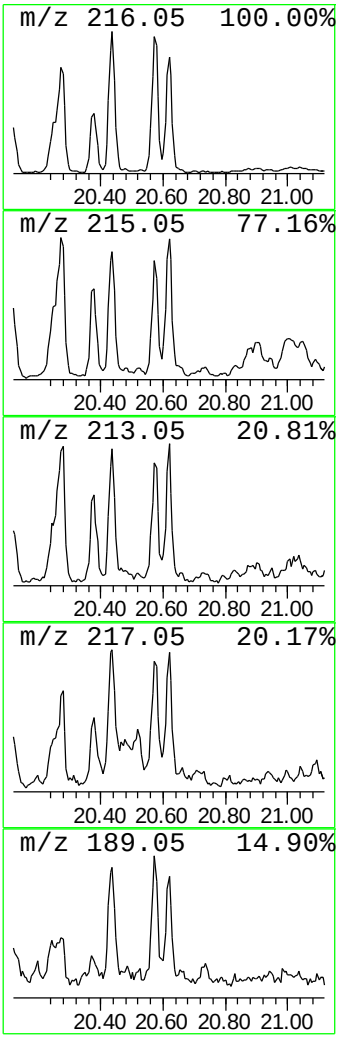
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.62	3.15 ng	315407	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





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Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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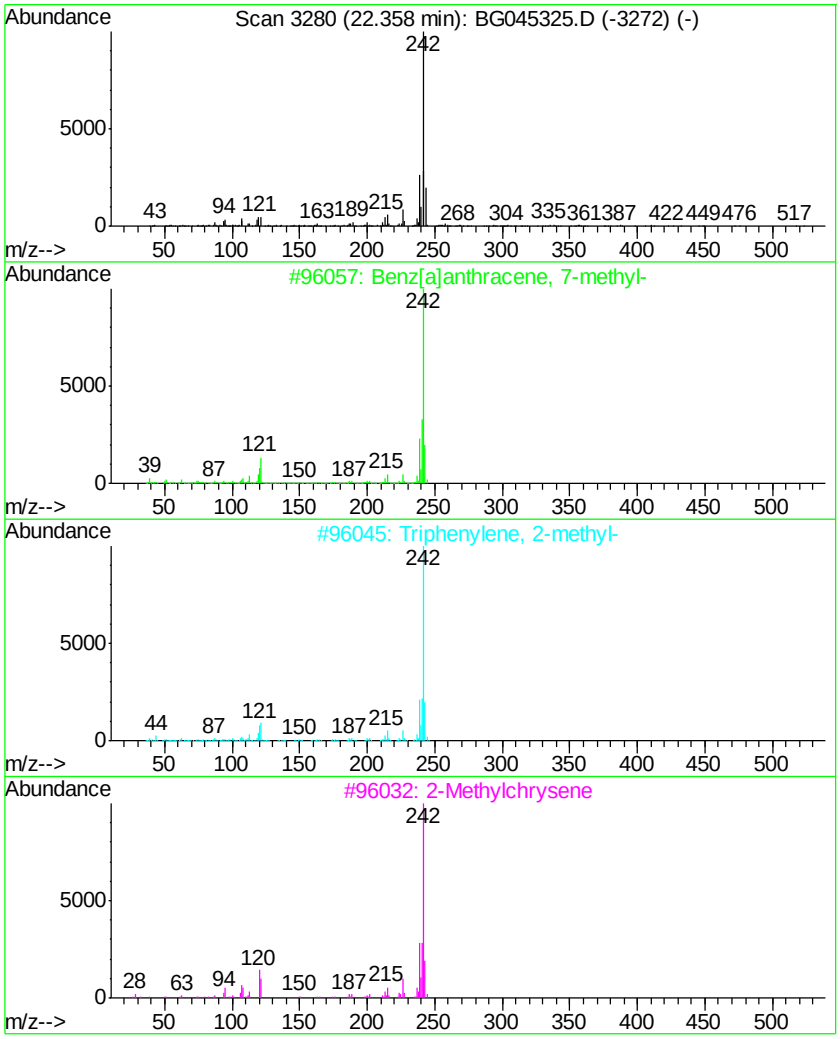
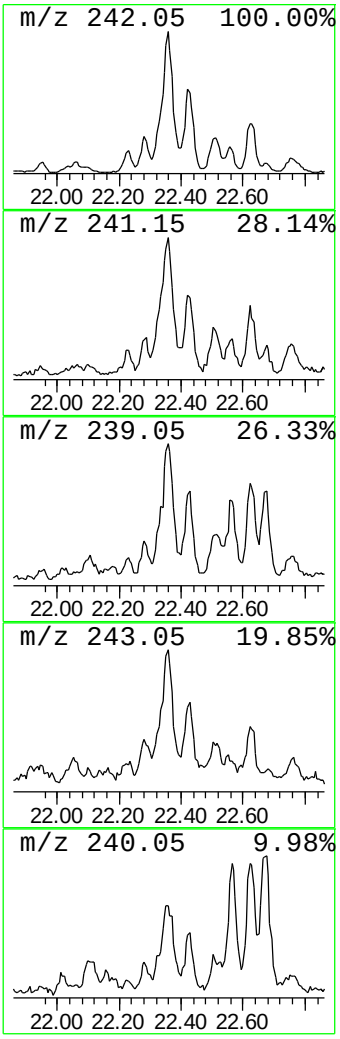
Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.36	4.93 ng	493784	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3	2-Methylchrysene	242	C19H14	003351-32-4	89
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	86
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	83





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Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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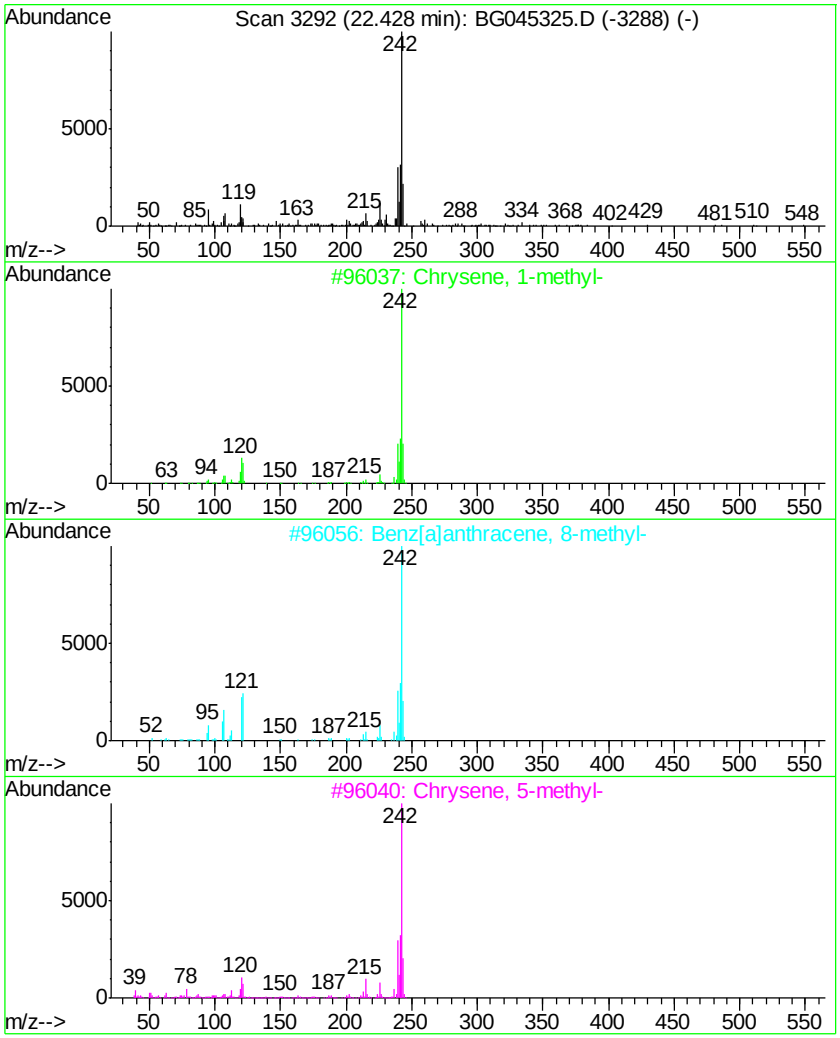
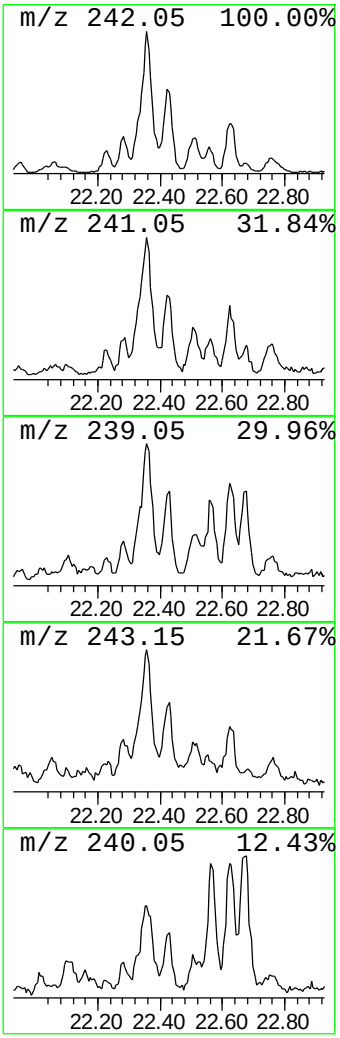
Peak Number 19 Chrysene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.43	2.53 ng	253187	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
3	Chrysene, 5-methyl-	242	C19H14	003697-24-3	81
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	81
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	81





Tentatively Identified Compound (LSC) summary

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Data File : BG045325.D
Acq On : 12 May 2020 11:18
Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETGI-346

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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
Chamazulene	16.34	3.0	ng	184859	4	17.37	1254690	20.0
Dibenzothiophene,...	17.95	2.7	ng	167643	4	17.37	1254690	20.0
Anthracene, 1-met...	18.25	5.1	ng	319790	4	17.37	1254690	20.0
Phenanthrene, 2-m...	18.29	6.9	ng	432427	4	17.37	1254690	20.0
Naphtho[2,3-b]nor...	18.43	8.2	ng	514261	4	17.37	1254690	20.0
Phenanthrene, 4-m...	18.47	4.3	ng	267316	4	17.37	1254690	20.0
1,2,4,8-Tetrameth...	18.74	2.5	ng	156980	4	17.37	1254690	20.0
Phenanthrene, 3,6...	19.04	3.2	ng	202566	4	17.37	1254690	20.0
di-p-Tolylacetylene	19.16	8.3	ng	518279	4	17.37	1254690	20.0
Fluoranthene, 2-m...	20.11	3.7	ng	367851	5	21.64	2004440	20.0
Pyrene, 1-methyl-	20.27	5.9	ng	592318	5	21.64	2004440	20.0
Pyrene, 2-methyl-	20.44	4.2	ng	422667	5	21.64	2004440	20.0
11H-Benzo[b]fluorene	20.57	3.3	ng	332368	5	21.64	2004440	20.0
11H-Benzo[a]fluorene	20.62	3.1	ng	315407	5	21.64	2004440	20.0
Benz[a]anthracene...	22.36	4.9	ng	493784	5	21.64	2004440	20.0
Chrysene, 1-methyl-	22.43	2.5	ng	253187	5	21.64	2004440	20.0