LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064781.D
Acq On : 14 Nov 2025 16:00
Operator : RC/JU
Sample : Q3633-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETGI-342

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-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064781.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.132	3	7	16	rVV4	19768	43653	1.75%	0.144%
2	3.220	16	22	39	rVB	393512	643939	25.88%	2.131%
3	5.700	437	444	453	rBV	404251	666861	26.80%	2.207%
4	6.440	562	570	578	rBV	93329	153619	6.17%	0.508%
5	7.304	709	717	730	rBV	389045	708815	28.49%	2.346%
6	8.161	857	863	871	rBV	134935	232446	9.34%	0.769%
7	9.325	1053	1061	1069	rBV	238153	446963	17.96%	1.479%
8	10.982	1334	1343	1351	rBV	172490	331270	13.31%	1.097%
9	13.402	1747	1755	1772	rBV	750300	1207338	48.53%	3.996%
10	14.501	1936	1942	1950	rBV	57855	97484	3.92%	0.323%
11	14.771	1979	1988	1995	rBV	326574	519321	20.87%	1.719%
12	15.811	2160	2165	2171	rBV3	16516	26973	1.08%	0.089%
13	16.111	2210	2216	2225	rBV	121902	184797	7.43%	0.612%
14	16.246	2232	2239	2249	rBV	732053	1165946	46.86%	3.859%
15	16.481	2271	2279	2287	rBV6	24768	59171	2.38%	0.196%
16	16.675	2307	2312	2318	rVB2	17084	27907	1.12%	0.092%
17	17.157	2388	2394	2399	rVB5	19692	33634	1.35%	0.111%
18	17.251	2401	2410	2414	rVV8	19241	36844	1.48%	0.122%
19	17.315	2416	2421	2426	rVB4	13328	26221	1.05%	0.087%
20	17.503	2446	2453	2457	rBV	445337	735163	29.55%	2.433%
21	17.544	2457	2460	2466	rVV	191953	279446	11.23%	0.925%
22	17.633	2470	2475	2480	rVV	91815	149495	6.01%	0.495%
23	17.680	2480	2483	2492	rVB3	24794	46044	1.85%	0.152%
24	17.897	2513	2520	2524	rBV3	17217	35942	1.44%	0.119%
25	18.373	2596	2601	2605	rBV2	128956	193829	7.79%	0.642%
26	18.420	2605	2609	2617	rVV	53081	97629	3.92%	0.323%
27	18.496	2618	2622	2627	rVV2	27614	49128	1.97%	0.163%
28	18.567	2628	2634	2638	rVV2	72703	137204	5.51%	0.454%
29	18.602	2638	2640	2644	rVB2	25480	27917	1.12%	0.092%
30	18.861	2680	2684	2687	rBV	36999	48462	1.95%	0.160%
31	18.902	2688	2691	2700	rVB5	28394	46429	1.87%	0.154%
32	19.272	2750	2754	2760	rBV5	40986	80174	3.22%	0.265%
33	19.413	2773	2778	2787	rVB	107455	167859	6.75%	0.556%
34	19.536	2793	2799	2805	rBV	880163	1202155	48.32%	3.979%
35	19.630	2812	2815	2820	rBV3	44038	62427	2.51%	0.207%
36	19.683	2820	2824	2828	rVV	32517	43918	1.77%	0.145%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064781.D
Acq On : 14 Nov 2025 16:00
Operator : RC/JU
Sample : Q3633-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETGI-342

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-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.777	2838	2840	2848	rVB5	33647	70933	2.85%	0.235%
38	19.865	2850	2855	2856	rVV	174763	230979	9.28%	0.765%
39	19.895	2856	2860	2868	rVV	882060	1352157	54.35%	4.476%
40	19.965	2868	2872	2879	rVB3	45200	83387	3.35%	0.276%
41	20.089	2885	2893	2898	rBV	1773212	2369111	95.22%	7.842%
42	20.130	2898	2900	2907	rVB	64927	97900	3.93%	0.324%
43	20.224	2908	2916	2920	rBV5	97331	257778	10.36%	0.853%
44	20.382	2932	2943	2948	rVB2	190873	458304	18.42%	1.517%
45	20.482	2955	2960	2963	rBV	130312	177889	7.15%	0.589%
46	20.535	2963	2969	2973	rVV2	112202	230202	9.25%	0.762%
47	20.576	2973	2976	2979	rVB	54851	66515	2.67%	0.220%
48	20.676	2989	2993	2997	rBV	107154	162250	6.52%	0.537%
49	20.723	2998	3001	3005	rVB	68777	97448	3.92%	0.323%
50	21.140	3068	3072	3079	rVB2	99753	172382	6.93%	0.571%
51	21.328	3100	3104	3107	rBV	83938	115032	4.62%	0.381%
52	21.375	3108	3112	3116	rVV3	124181	228128	9.17%	0.755%
53	21.416	3116	3119	3125	rVV2	168127	282442	11.35%	0.935%
54	21.469	3125	3128	3138	rVB2	84396	169884	6.83%	0.562%
55	21.740	3167	3174	3181	rBV2	760126	2339376	94.03%	7.744%
56	21.798	3181	3184	3197	rVB	634728	1075122	43.21%	3.559%
57	21.951	3205	3210	3217	rBV	181872	354903	14.26%	1.175%
58	22.157	3240	3245	3253	rBV2	101678	218110	8.77%	0.722%
59	22.562	3311	3314	3322	rVB3	88837	172157	6.92%	0.570%
60	22.768	3344	3349	3353	rBV	72774	141263	5.68%	0.468%
61	22.909	3369	3373	3383	rVB7	57978	172092	6.92%	0.570%
62	23.984	3545	3556	3563	rBV	744308	2488012	100.00%	8.236%
63	24.243	3593	3600	3610	rVB	132524	339523	13.65%	1.124%
64	24.713	3671	3680	3694	rVB	437049	1291890	51.92%	4.276%
65	24.865	3696	3706	3719	rVB	515513	1489625	59.87%	4.931%
66	25.012	3722	3731	3738	rVV	295396	903965	36.33%	2.992%
67	25.089	3739	3744	3760	rVB2	174724	551827	22.18%	1.827%
68	28.743	4353	4366	4386	rVB2	242029	1219654	49.02%	4.037%
69	29.901	4552	4563	4578	rVB2	175249	814017	32.72%	2.694%

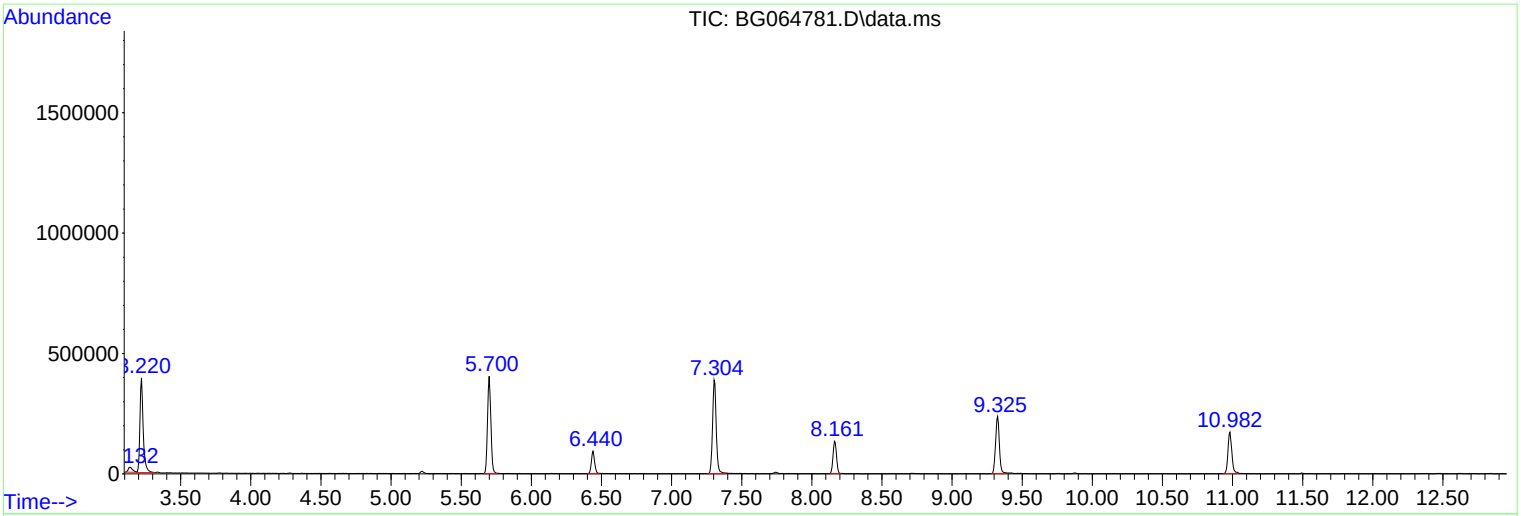
Sum of corrected areas: 30210680

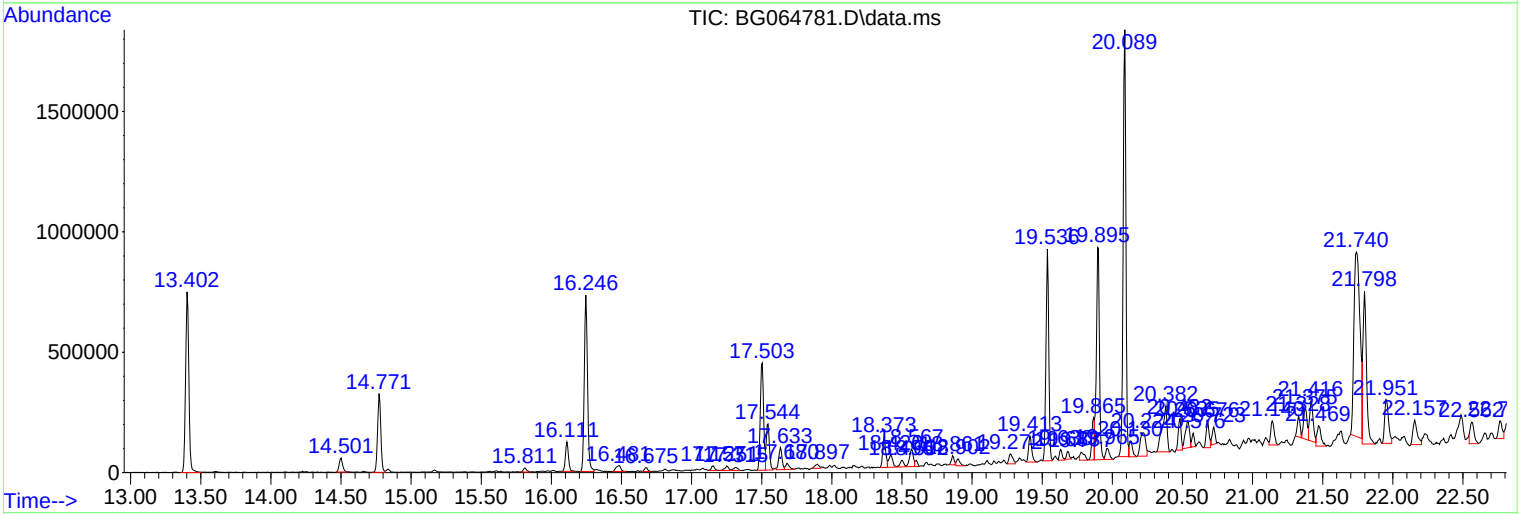
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064781.D
Acq On : 14 Nov 2025 16:00
Operator : RC/JU
Sample : Q3633-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

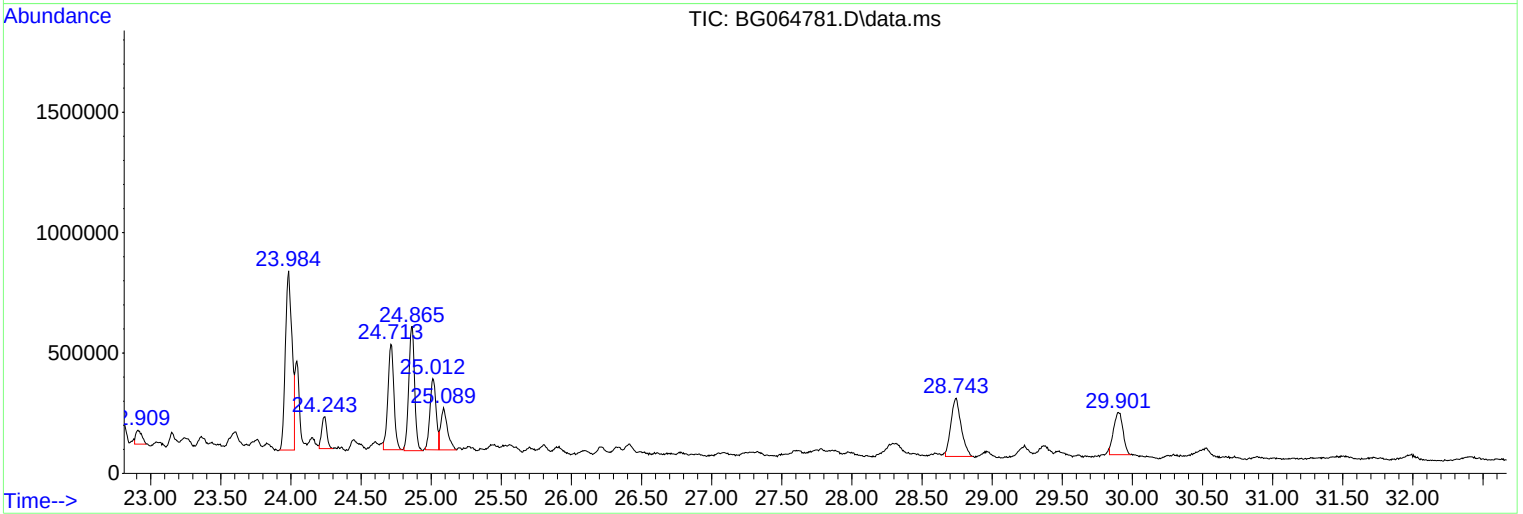
Instrument :
BNA_G
ClientSampleId :
ETGI-342

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064781.D
Acq On : 14 Nov 2025 16:00
Operator : RC/JU
Sample : Q3633-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETGI-342

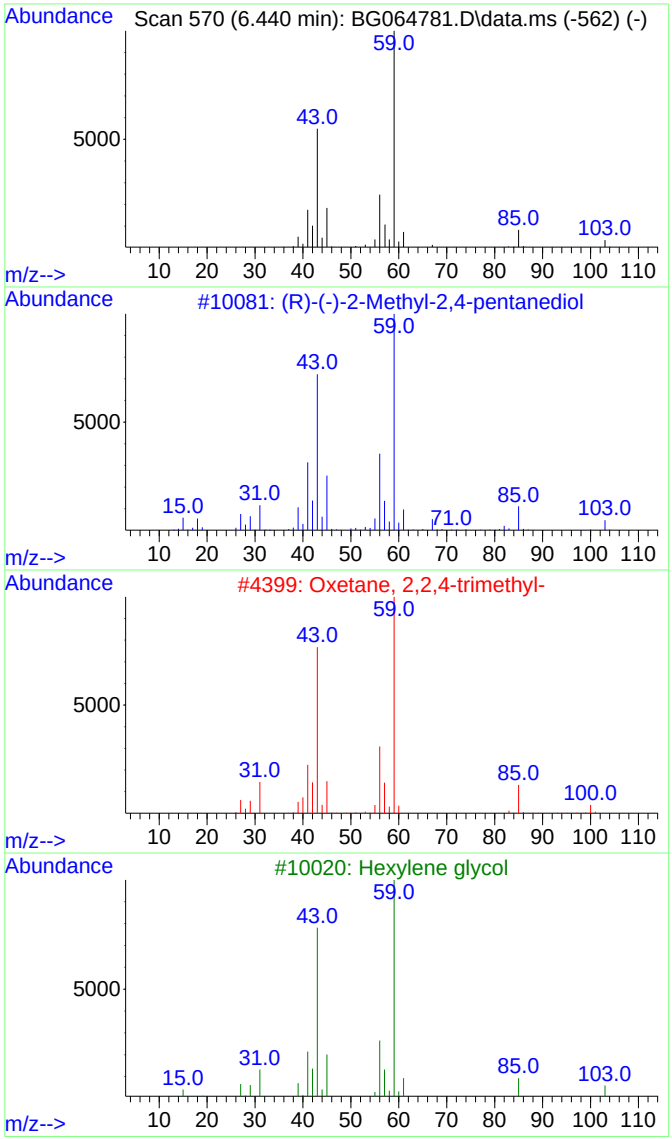
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

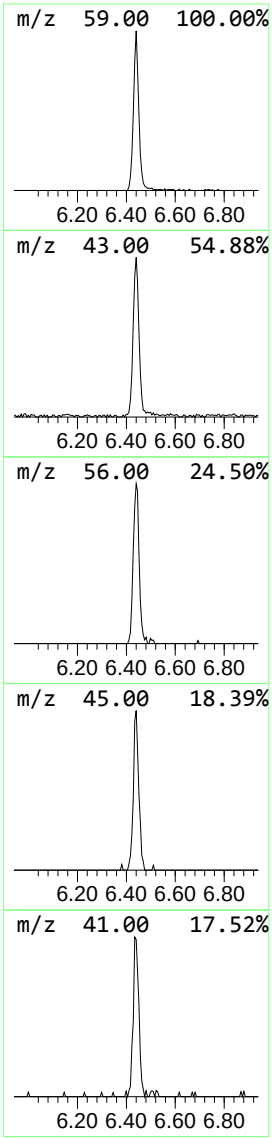
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (R)-(-)-2-Methyl-2,4-pentan... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.440	13.22 ng	153619	1,4-Dichlorobenzene-d4	8.161

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(R)-(-)-2-Methyl-2,4-pentanediol	118	C6H14O2	099210-90-9	90
2	Oxetane, 2,2,4-trimethyl-	100	C6H12O	023120-44-7	78
3	Hexylene glycol	118	C6H14O2	000107-41-5	74
4	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	58
5	HEX-5-EN-3-OL	100	C6H12O	000688-99-3	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064781.D
Acq On : 14 Nov 2025 16:00
Operator : RC/JU
Sample : Q3633-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETGI-342

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

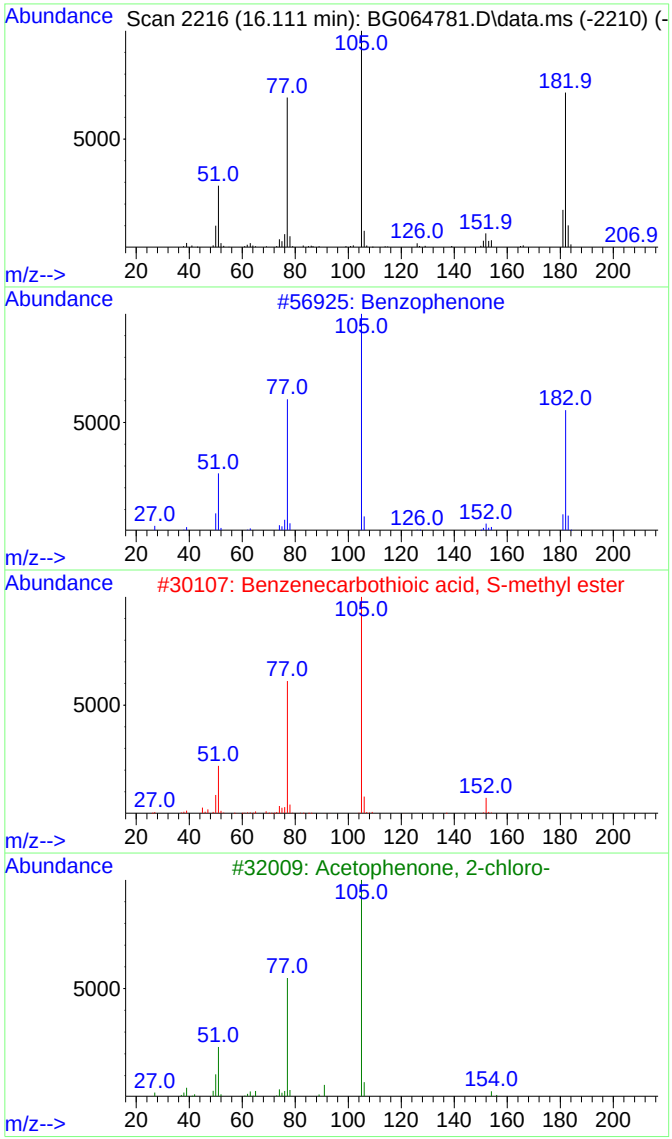
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

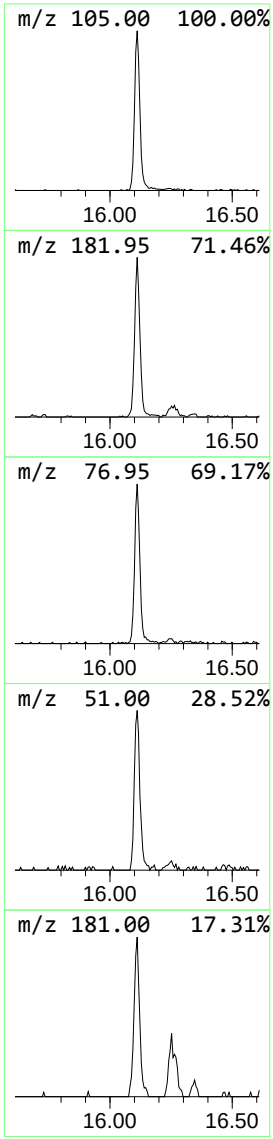
****

Peak Number 4 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.111	7.12 ng	184797	Acenaphthene-d10	14.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	53
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
4	N-cyanobenzamide	146	C8H6N2O	015150-25-1	46
5	Benzoylformic acid	150	C8H6O3	000611-73-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064781.D
Acq On : 14 Nov 2025 16:00
Operator : RC/JU
Sample : Q3633-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETGI-342

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

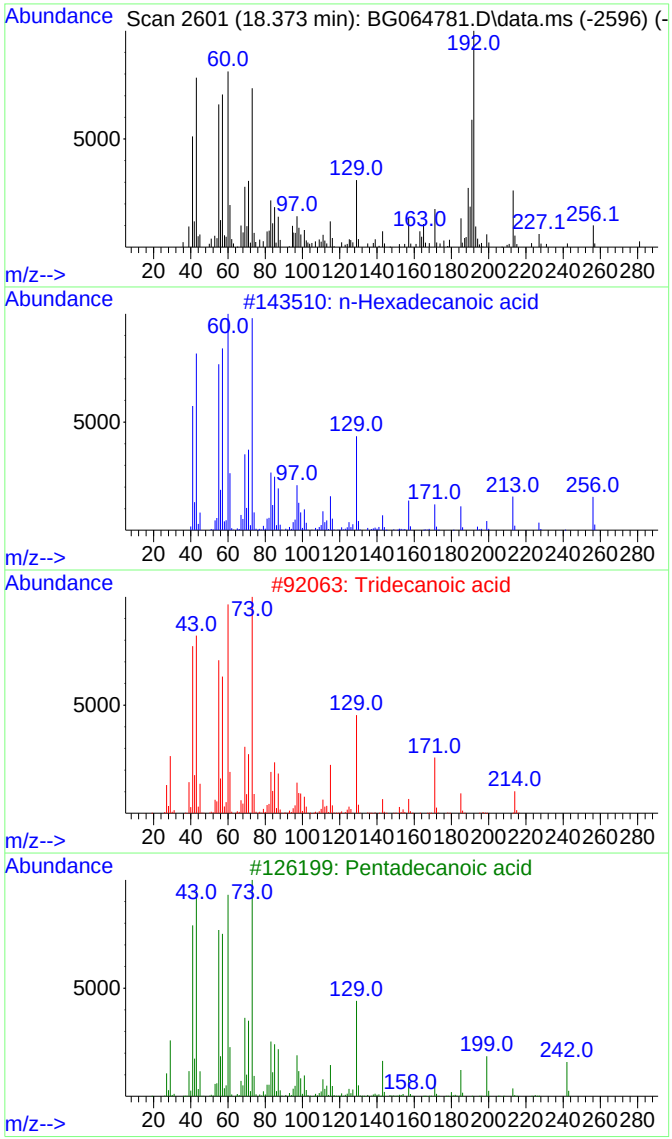
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

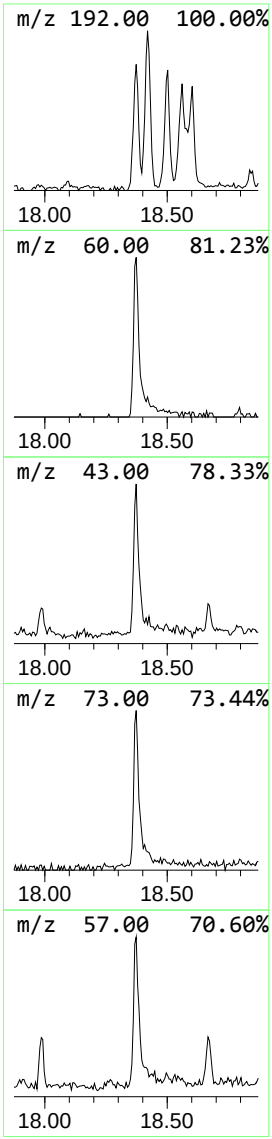
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.373	5.27 ng	193829	Phenanthrene-d10	17.497

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	64
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	46
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	38
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064781.D
Acq On : 14 Nov 2025 16:00
Operator : RC/JU
Sample : Q3633-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETGI-342

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

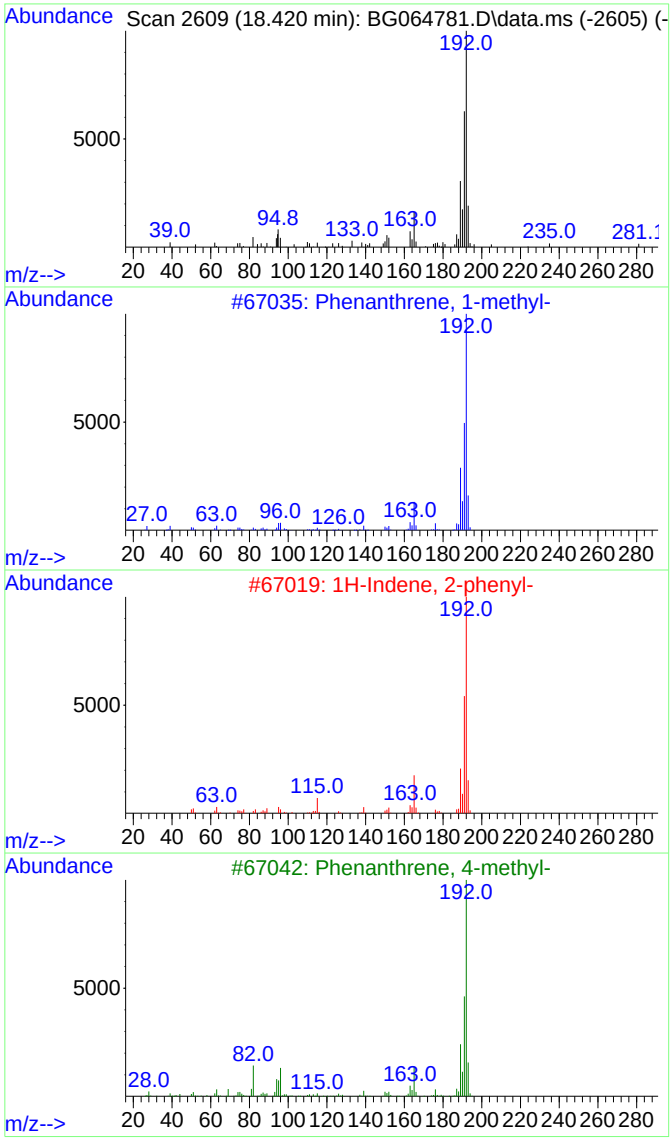
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

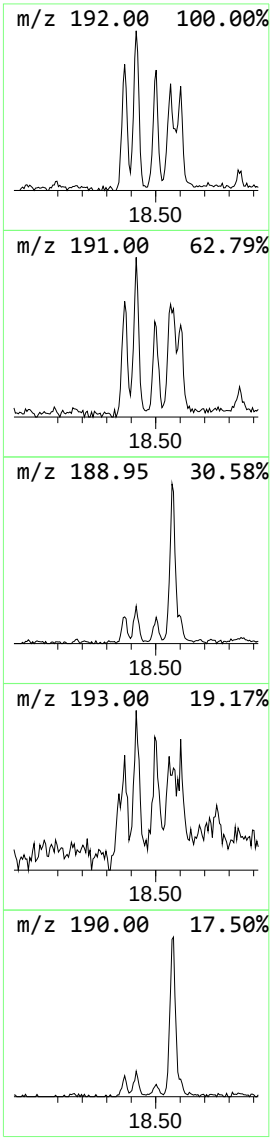
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.420	2.66 ng	97629	Phenanthrene-d10	17.497

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064781.D
Acq On : 14 Nov 2025 16:00
Operator : RC/JU
Sample : Q3633-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETGI-342

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

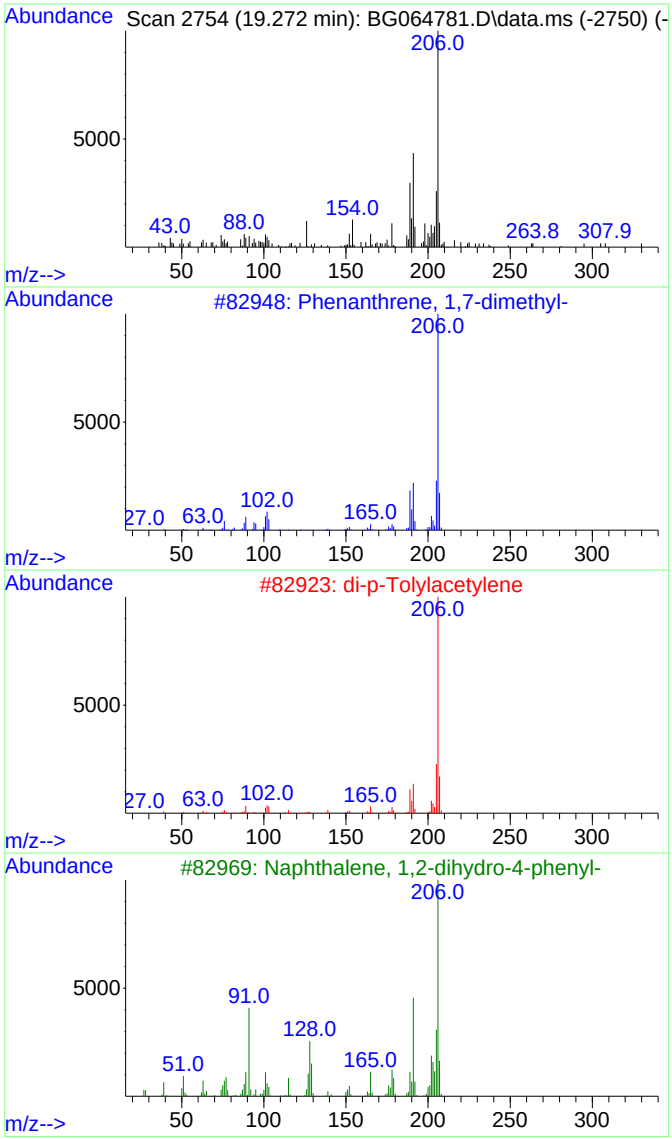
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

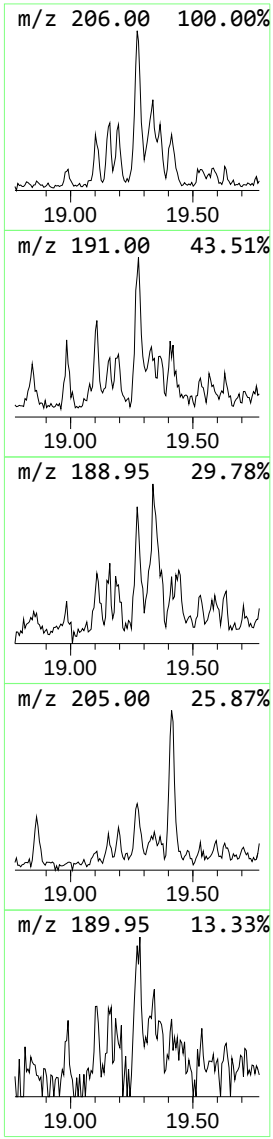
****

Peak Number 8 Phenanthrene, 1,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.272	2.18 ng	80174	Phenanthrene-d10	17.497

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	81
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	74
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064781.D
Acq On : 14 Nov 2025 16:00
Operator : RC/JU
Sample : Q3633-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETGI-342

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

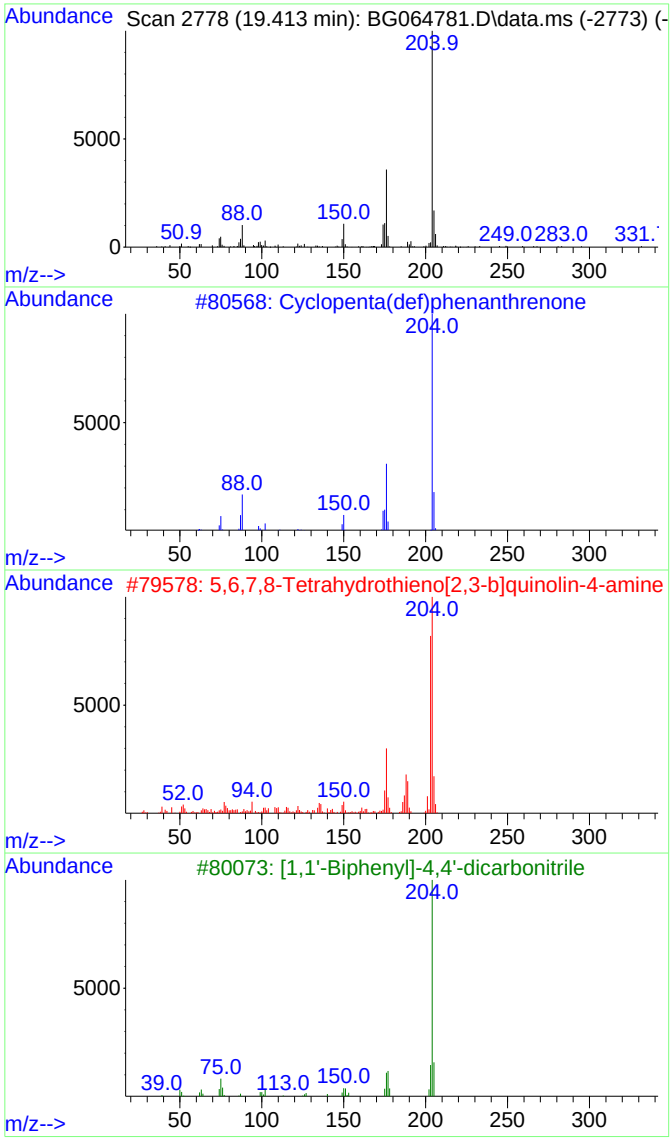
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

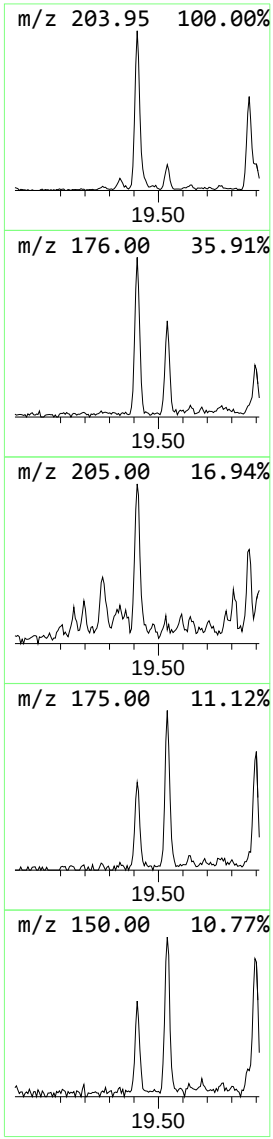
****

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.413	4.57 ng	167859	Phenanthrene-d10	17.497

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	80
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064781.D
Acq On : 14 Nov 2025 16:00
Operator : RC/JU
Sample : Q3633-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETGI-342

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

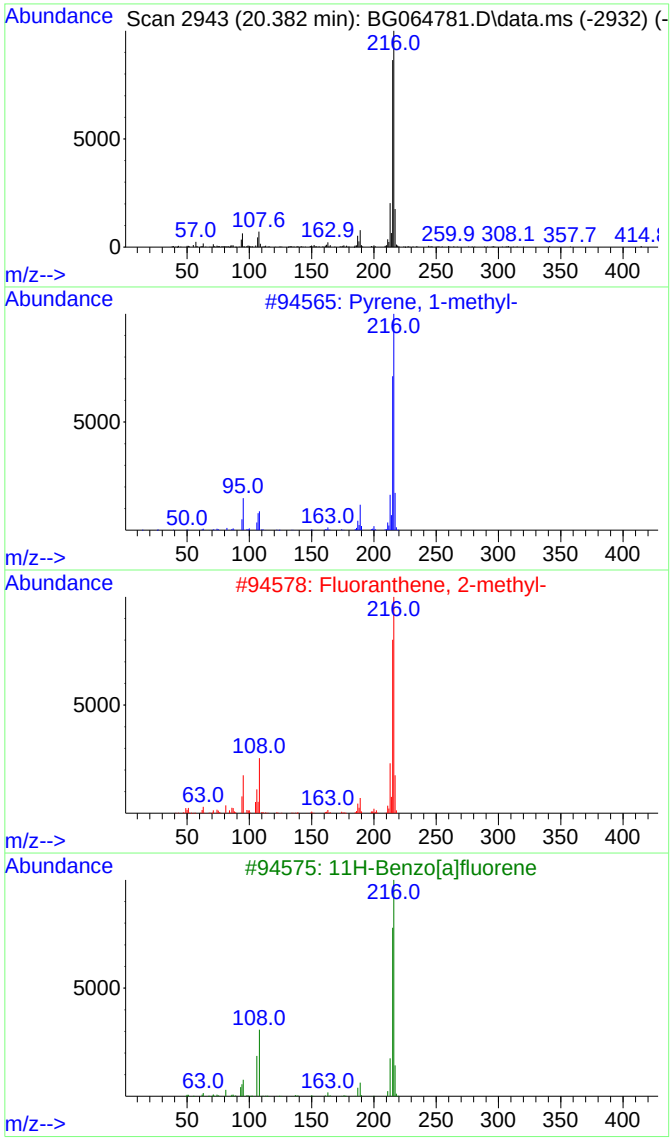
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

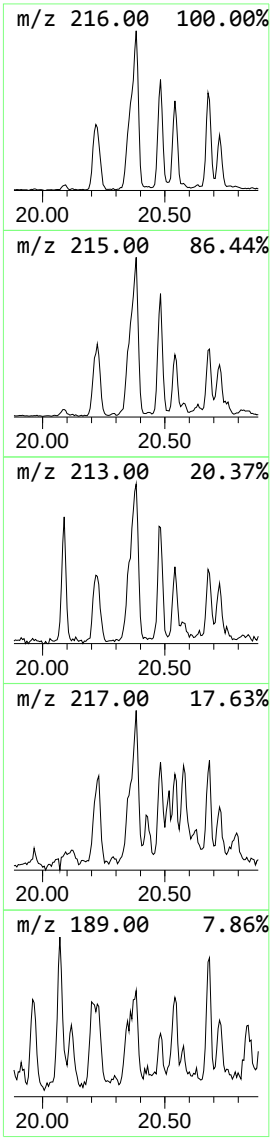
****

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.382	3.92 ng	458304	Chrysene-d12	21.751

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
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	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064781.D
Acq On : 14 Nov 2025 16:00
Operator : RC/JU
Sample : Q3633-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETGI-342

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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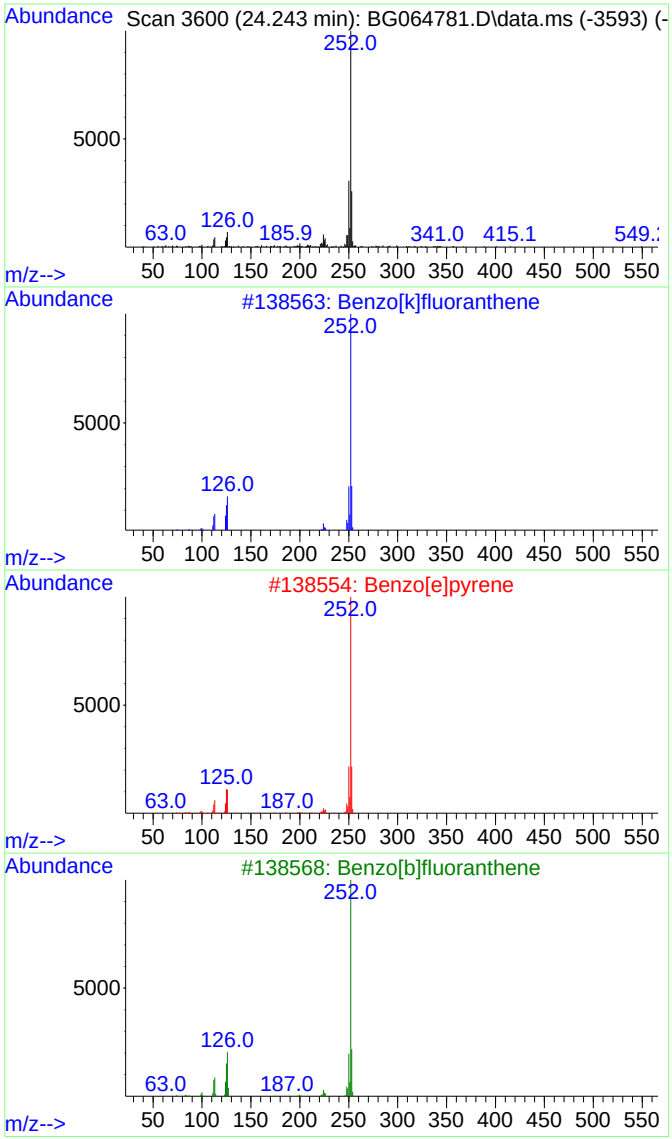
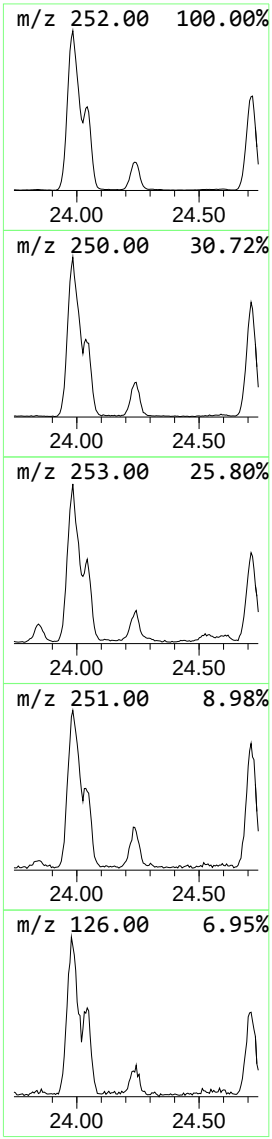
Peak Number 14 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.243	7.51 ng	339523	Perylene-d12	25.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	90
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	81
5	Perylene	252	C20H12	000198-55-0	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064781.D
Acq On : 14 Nov 2025 16:00
Operator : RC/JU
Sample : Q3633-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETGI-342

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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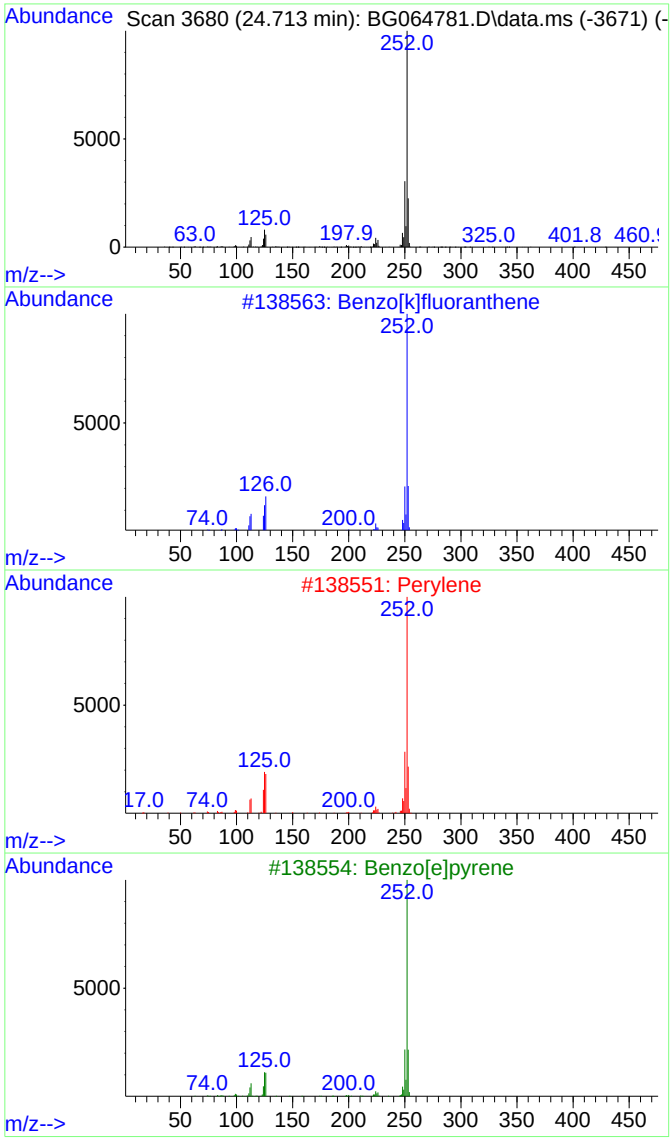
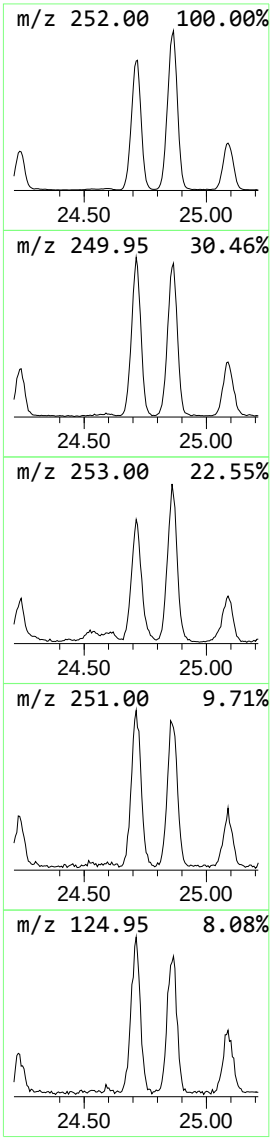
Peak Number 15 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.712	28.58 ng	1291890	Perylene-d12	25.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[e]pyrene	252	C20H12	000192-97-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064781.D
Acq On : 14 Nov 2025 16:00
Operator : RC/JU
Sample : Q3633-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETGI-342

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(R)-(-)-2-Methy...	6.440	13.2	ng	153619	1	8.161	232446	20.0
Benzophenone	16.111	7.1	ng	184797	3	14.771	519321	20.0
n-Hexadecanoic ...	18.373	5.3	ng	193829	4	17.497	735163	20.0
Phenanthrene, 1...	18.420	2.7	ng	97629	4	17.497	735163	20.0
Phenanthrene, 1...	19.272	2.2	ng	80174	4	17.497	735163	20.0
Cyclopenta(def)...	19.413	4.6	ng	167859	4	17.497	735163	20.0
Pyrene, 1-methyl-	20.382	3.9	ng	458304	5	21.751	2339380	20.0
Benzo[e]pyrene	24.243	7.5	ng	339523	6	25.018	903965	20.0
Perylene	24.712	28.6	ng	1291890	6	25.018	903965	20.0