LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

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_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049998.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.887	318	323	335	rVB	356770	503361	2.34%	0.296%
2	5.357	396	403	419	rVB	1453959	2169596	10.07%	1.277%
3	6.451	583	589	600	rVB	234373	368896	1.71%	0.217%
4	6.951	664	674	692	rBV	1223510	2230981	10.36%	1.313%
5	7.763	803	812	822	rBV	949037	1546159	7.18%	0.910%
6	8.922	1002	1009	1021	rBV	786080	1390049	6.45%	0.818%
7	10.557	1280	1287	1293	rBV	1086605	1893548	8.79%	1.115%
8	13.027	1701	1707	1725	rVB	2401098	3538777	16.43%	2.083%
9	14.133	1889	1895	1909	rVB	528149	835601	3.88%	0.492%
10	14.410	1934	1942	1949	rBV	1798587	2672866	12.41%	1.574%
11	14.474	1949	1953	1962	rVB	213004	330375	1.53%	0.194%
12	14.810	2005	2010	2020	rBV	218387	332038	1.54%	0.195%
13	15.463	2116	2121	2133	rBV	413893	678634	3.15%	0.400%
14	15.768	2166	2173	2186	rVB4	241365	495714	2.30%	0.292%
15	15.904	2186	2196	2204	rBV	1987384	2961861	13.75%	1.744%
16	16.139	2228	2236	2243	rBV5	233409	560670	2.60%	0.330%
17	16.815	2346	2351	2358	rBV2	645858	1033467	4.80%	0.608%
18	16.974	2374	2378	2387	rVB	362672	555620	2.58%	0.327%
19	17.068	2390	2394	2399	rVB	142637	221008	1.03%	0.130%
20	17.157	2404	2409	2412	rBV	2158965	3026138	14.05%	1.781%
21	17.198	2412	2416	2423	rVV	5030852	7168797	33.29%	4.220%
22	17.292	2427	2432	2437	rVV	2160757	3024679	14.04%	1.781%
23	17.351	2438	2442	2448	rVB3	177012	311027	1.44%	0.183%
24	17.562	2470	2478	2488	rBV2	837752	1791266	8.32%	1.055%
25	17.674	2494	2497	2504	rVB2	222307	335972	1.56%	0.198%
26	17.739	2505	2508	2516	rBV4	149417	281228	1.31%	0.166%
27	18.033	2553	2558	2560	rBV2	443339	709122	3.29%	0.417%
28	18.062	2560	2563	2564	rBV	411461	452927	2.10%	0.267%
29	18.162	2576	2580	2585	rVB	320905	456081	2.12%	0.268%
30	18.227	2586	2591	2596	rBV3	998252	1828834	8.49%	1.077%
31	18.386	2615	2618	2621	rBV2	178610	222378	1.03%	0.131%
32	18.427	2622	2625	2630	rVV2	239680	337663	1.57%	0.199%
33	18.533	2640	2643	2647	rVV	528549	636189	2.95%	0.375%
34	18.580	2647	2651	2656	rVB	1565117	2031128	9.43%	1.196%
35	18.780	2682	2685	2690	rVB2	236311	269428	1.25%	0.159%
36	18.874	2698	2701	2704	rVB	255506	290029	1.35%	0.171%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

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_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.956	2711	2715	2716	rBV	371224	484969	2.25%	0.286%
38	19.098	2735	2739	2745	rBV	1404111	2004177	9.31%	1.180%
39	19.221	2754	2760	2766	rVB	16454796	21536798	100.00%	12.679%
40	19.321	2774	2777	2778	rBV	341626	386587	1.80%	0.228%
41	19.551	2812	2816	2818	rBV2	2214722	3067589	14.24%	1.806%
42	19.586	2818	2822	2829	rVV	14753623	19522919	90.65%	11.493%
43	19.656	2830	2834	2839	rVB2	567482	862649	4.01%	0.508%
44	19.780	2848	2855	2859	rBV2	4120788	5984927	27.79%	3.523%
45	19.827	2859	2863	2870	rVB	1648485	2368850	11.00%	1.395%
46	19.921	2872	2879	2884	rBV4	837327	2203471	10.23%	1.297%
47	20.045	2895	2900	2902	rBV4	931790	1647666	7.65%	0.970%
48	20.074	2903	2905	2911	rVB2	1464566	1944644	9.03%	1.145%
49	20.174	2919	2922	2926	rBV2	1086348	1335367	6.20%	0.786%
50	20.239	2927	2933	2936	rVV2	1068505	1935175	8.99%	1.139%
51	20.380	2953	2957	2960	rBV	733718	1009526	4.69%	0.594%
52	20.833	3030	3034	3040	rVB	1573365	2110710	9.80%	1.243%
53	21.003	3059	3063	3066	rBV2	1189982	1635989	7.60%	0.963%
54	21.045	3066	3070	3073	rVV	1560640	1900429	8.82%	1.119%
55	21.086	3074	3077	3083	rVV2	1157373	1887221	8.76%	1.111%
56	21.150	3084	3088	3092	rVB	1133669	1577604	7.33%	0.929%
57	21.392	3124	3129	3135	rBV3	4045501	10854612	50.40%	6.390%
58	21.445	3135	3138	3150	rVB	7360372	11580417	53.77%	6.817%
59	23.468	3474	3482	3488	rBV2	4539715	12275373	57.00%	7.227%
60	24.133	3590	3595	3608	rVB	2243419	5482849	25.46%	3.228%
61	24.268	3612	3618	3630	rVB	1606854	4164364	19.34%	2.452%
62	24.409	3638	3642	3649	rVB	1257298	2608836	12.11%	1.536%

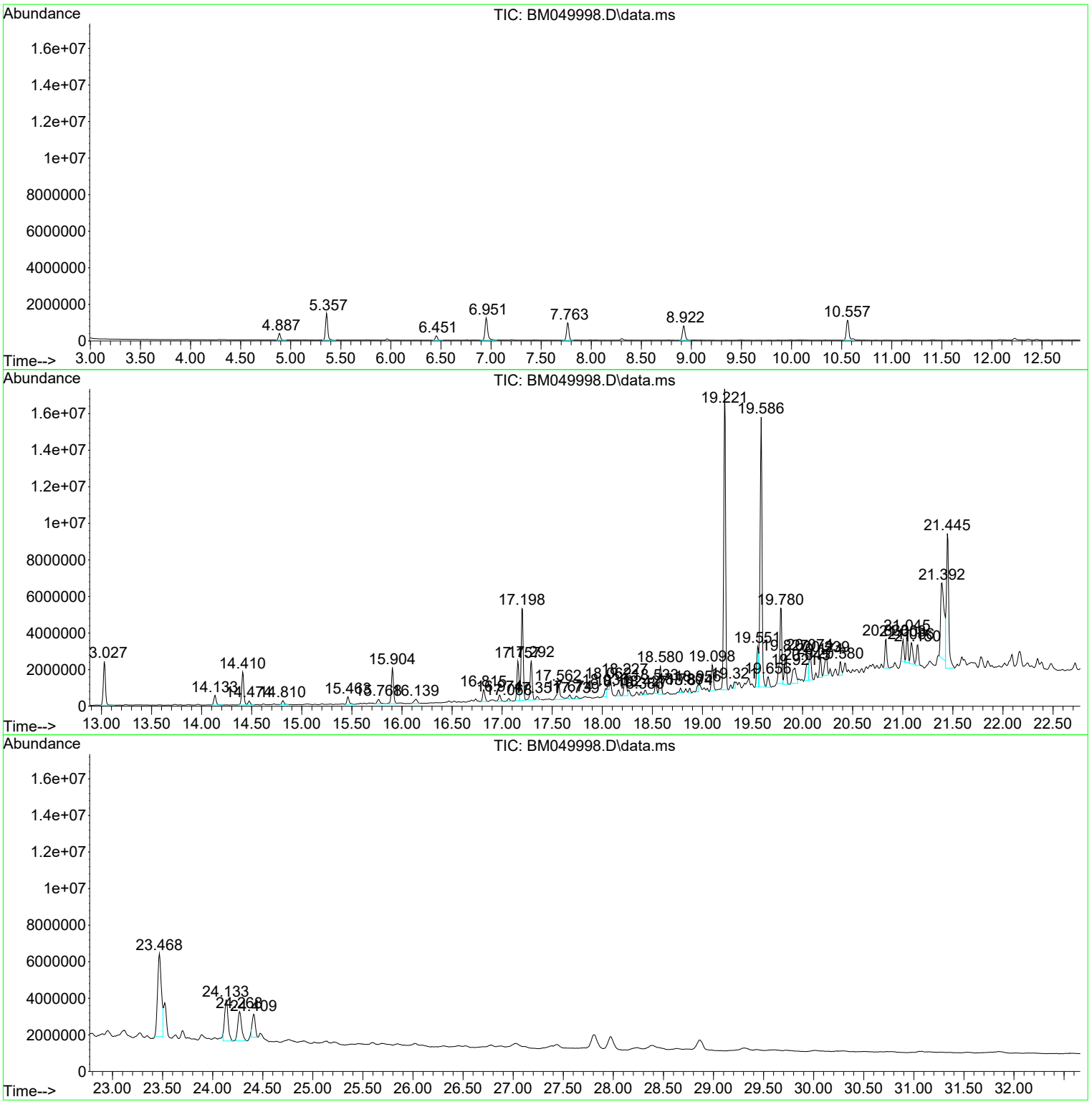
Sum of corrected areas: 169865825

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

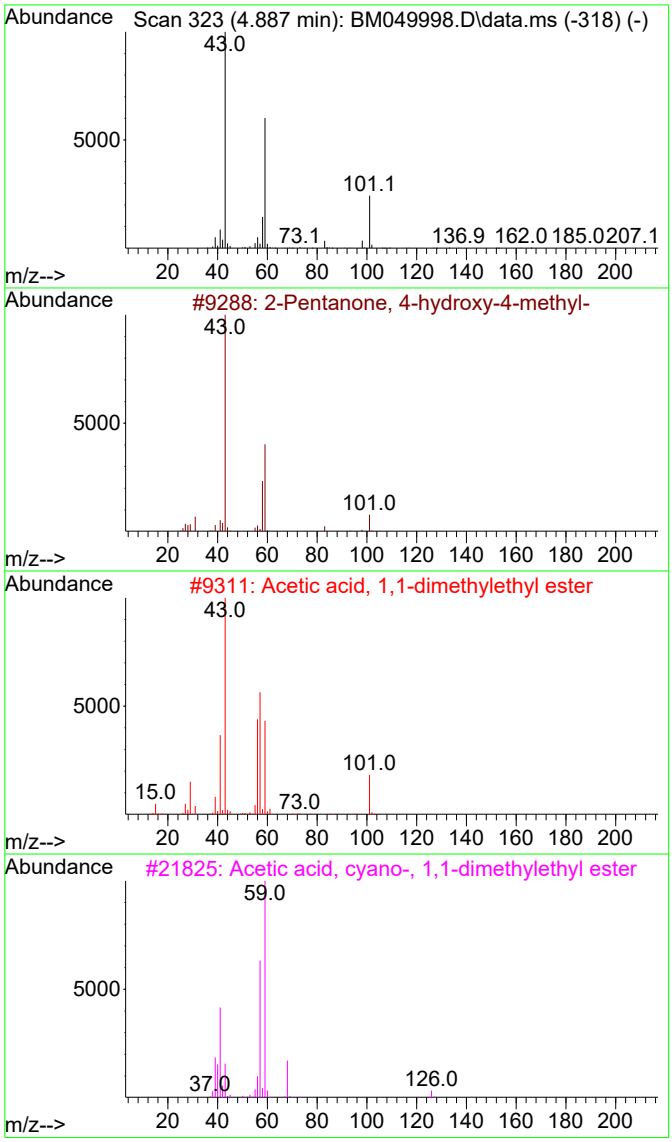
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

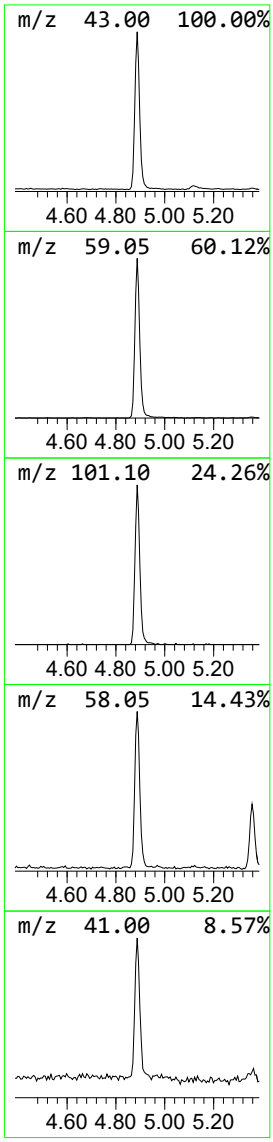
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.887	6.51 ng	503361	1,4-Dichlorobenzene-d4	7.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

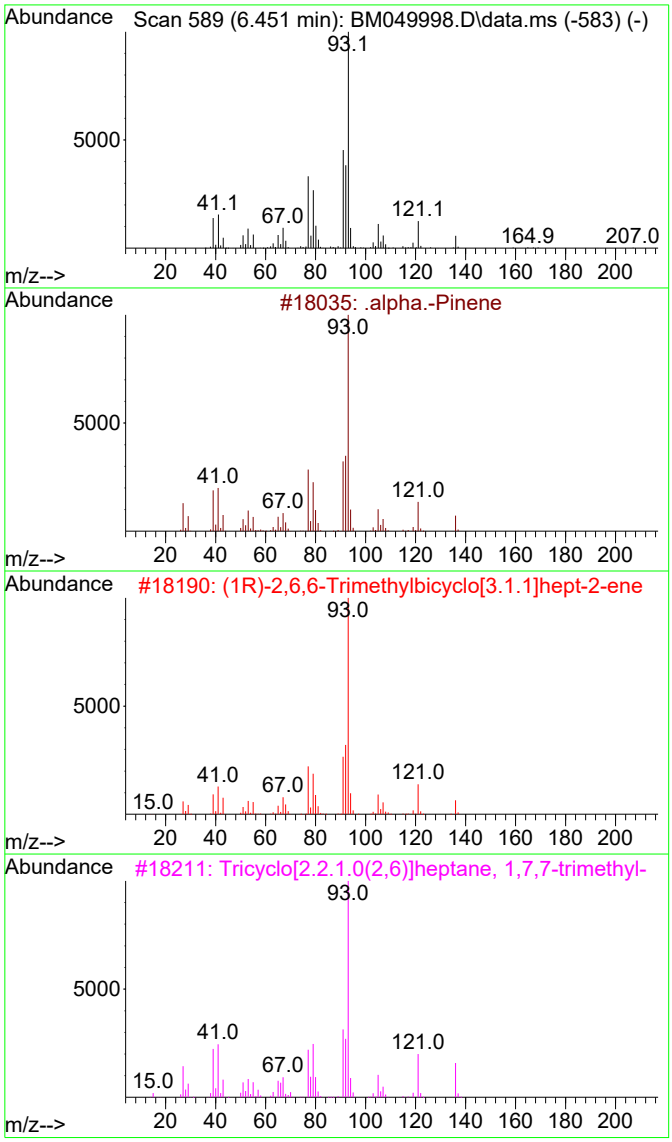
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

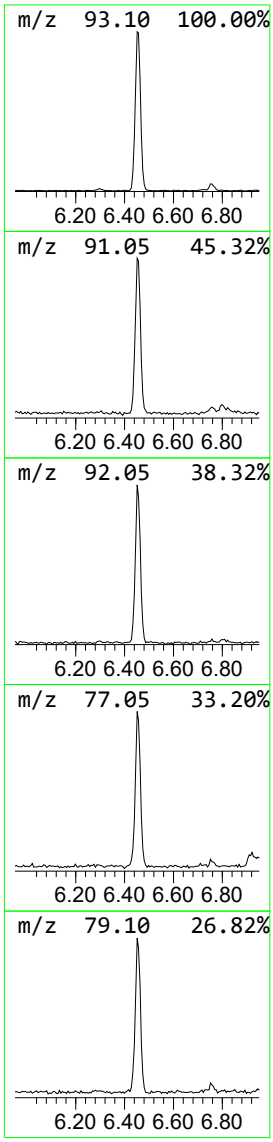
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 .alpha.-Pinene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.451	4.77 ng	368896	1,4-Dichlorobenzene-d4	7.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	96
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
3	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

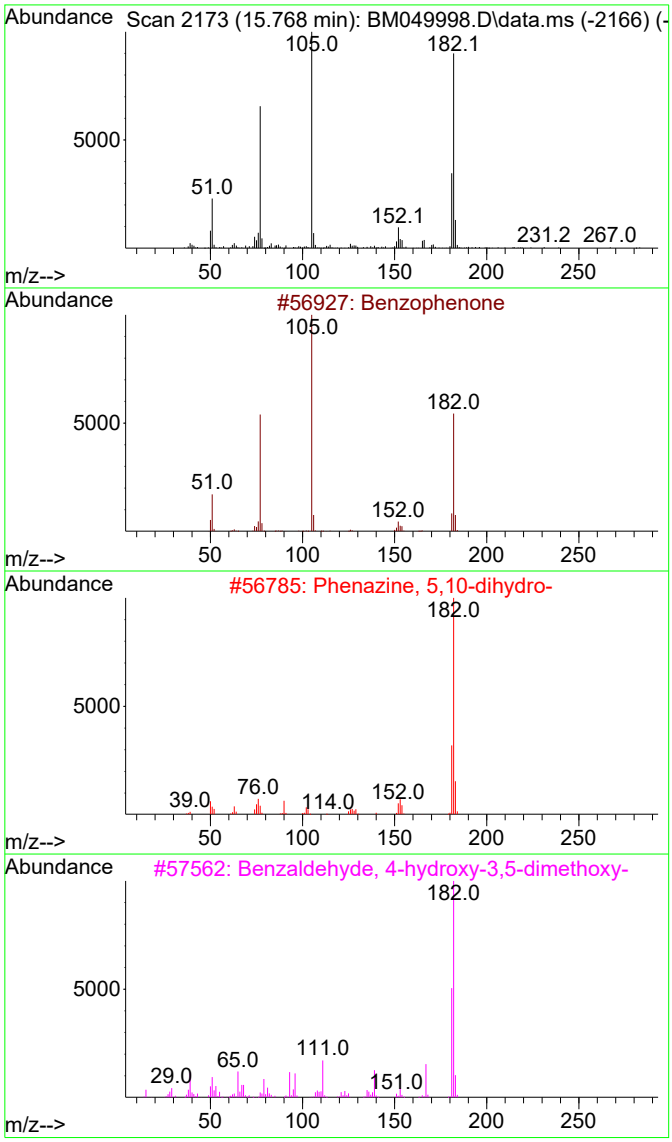
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

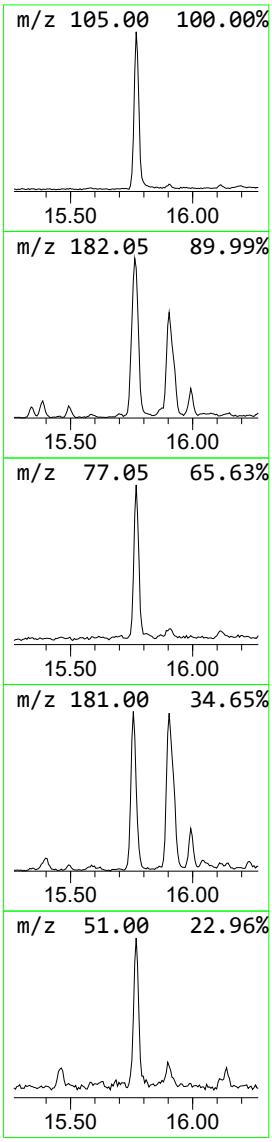
****

Peak Number 3 Benzophenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.768	3.71 ng	495714	Acenaphthene-d10	14.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	94
2	Phenazine, 5,10-dihydro-	182	C12H10N2	000613-32-1	49
3	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	46
4	9H-Pyrido[3,4-b]indole, 1-methyl-	182	C12H10N2	000486-84-0	43
5	2,4,6-Trimethoxytoluene	182	C10H14O3	014107-97-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

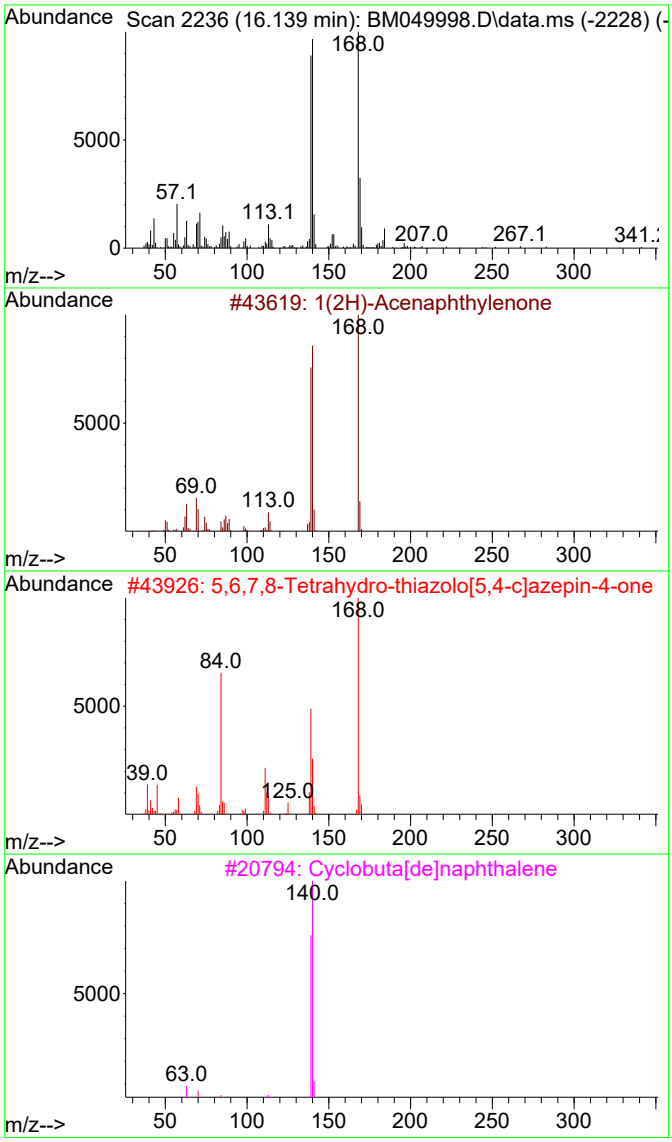
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

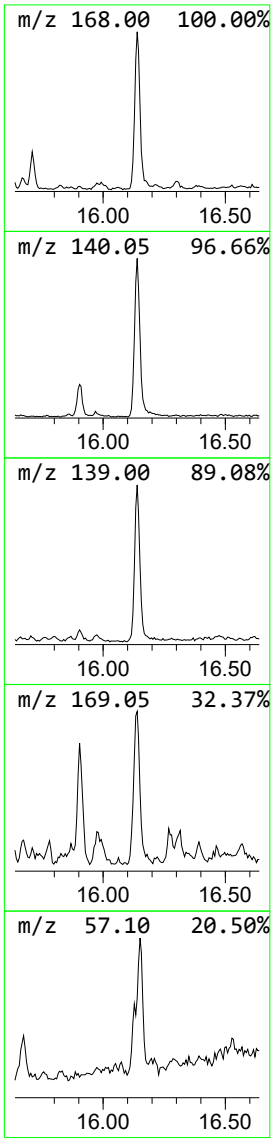
****

Peak Number 4 1(2H)-Acenaphthylenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.139	3.71 ng	560670	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	94
2	5,6,7,8-Tetrahydro-thiazolo[5,4-...	168	C7H8N2OS	1000317-75-4	50
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	49
4	Dibenzofuran	168	C12H8O	000132-64-9	46
5	Benzaldehyde, 2-fluoro-3-hydroxy-	140	C7H5FO2	103438-86-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

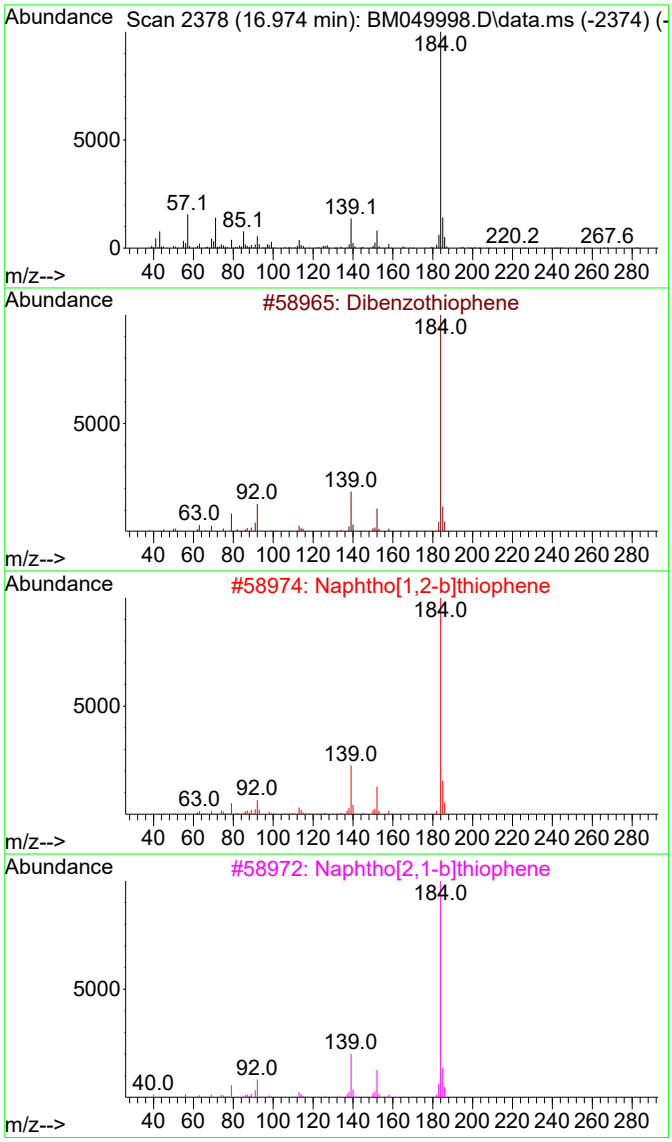
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

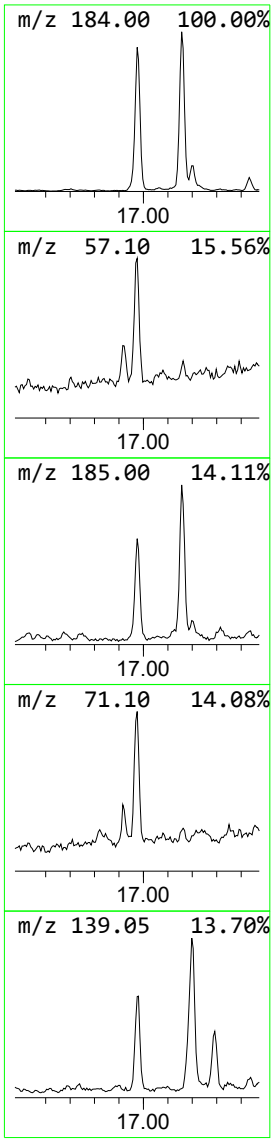
****

Peak Number 5 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.974	3.67 ng	555620	Phenanthrene-d10	17.157

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	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

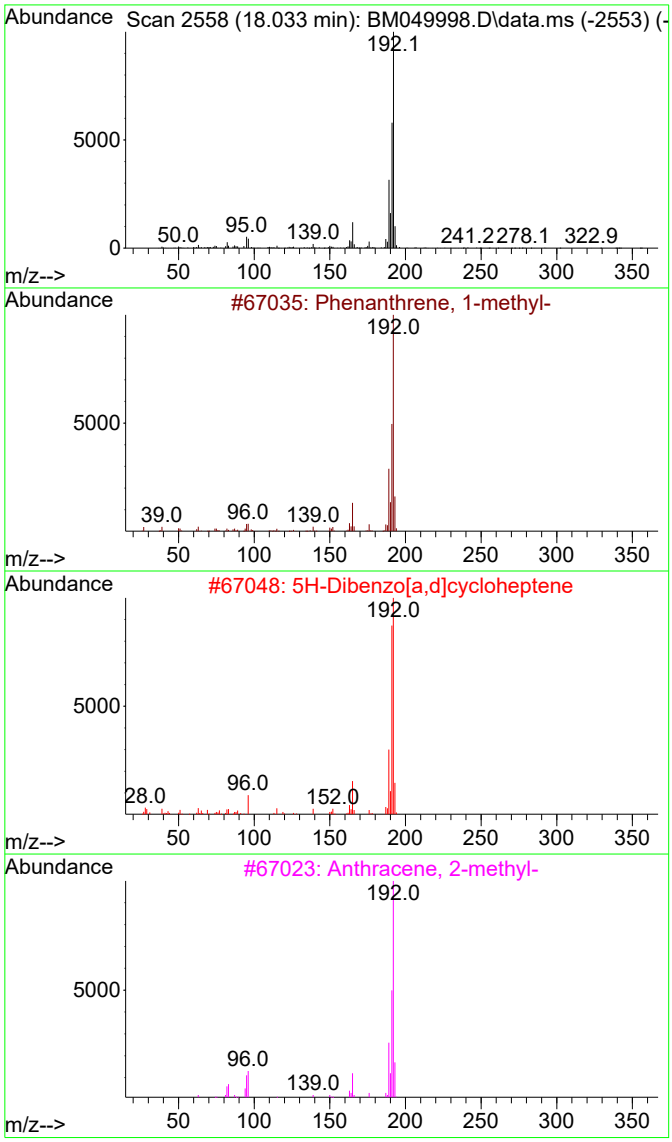
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

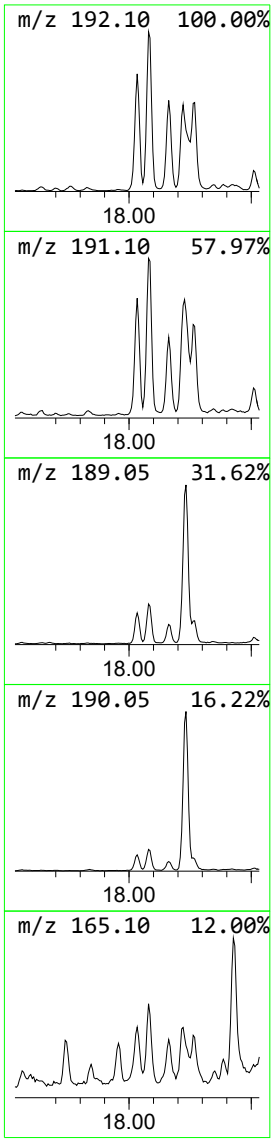
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.033	4.69 ng	709122	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	83
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

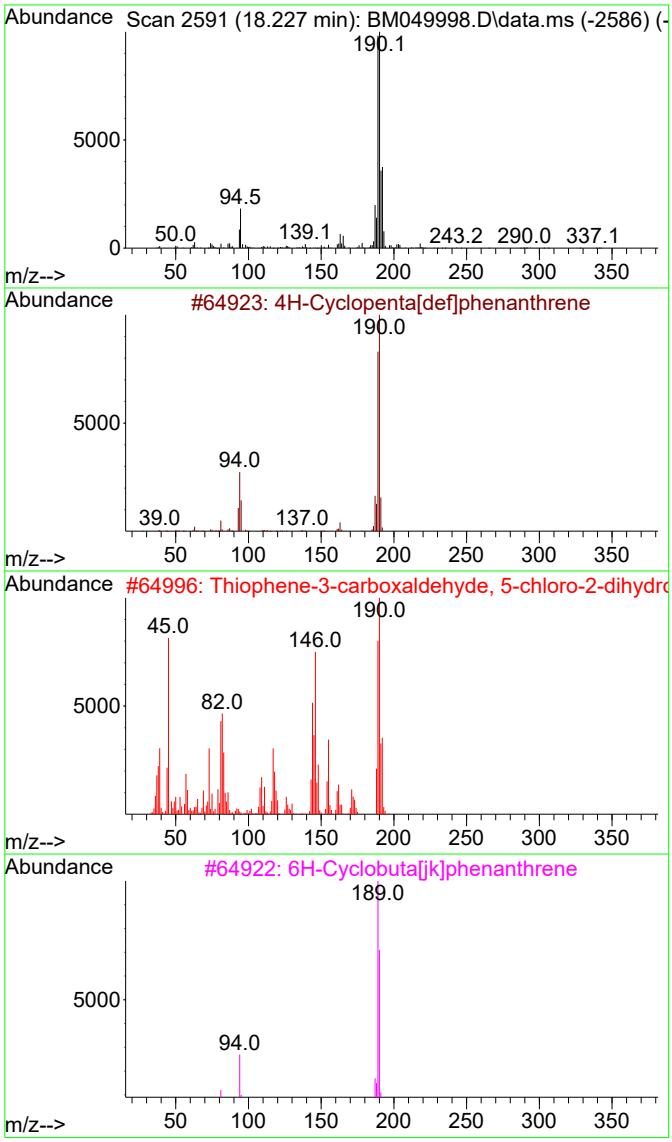
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

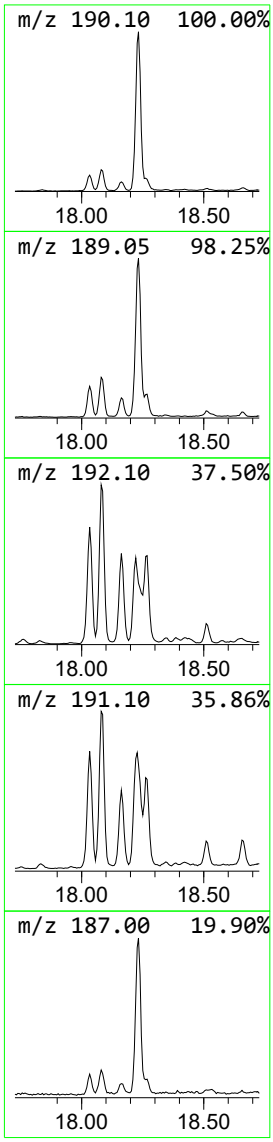
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.227	12.09 ng	1828830	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	58
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

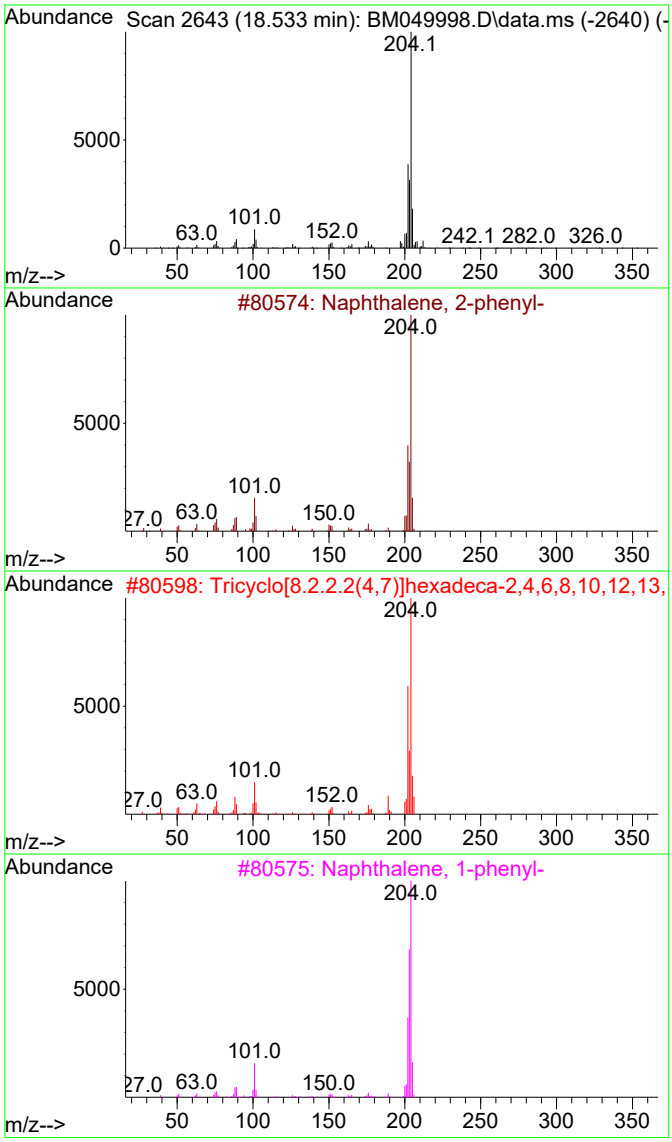
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

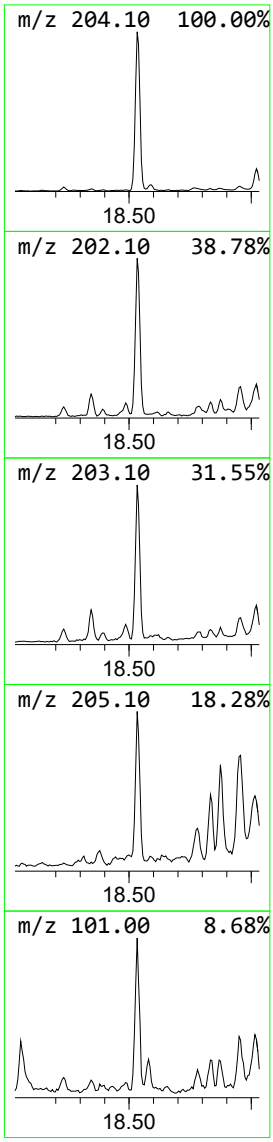
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.533	4.20 ng	636189	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

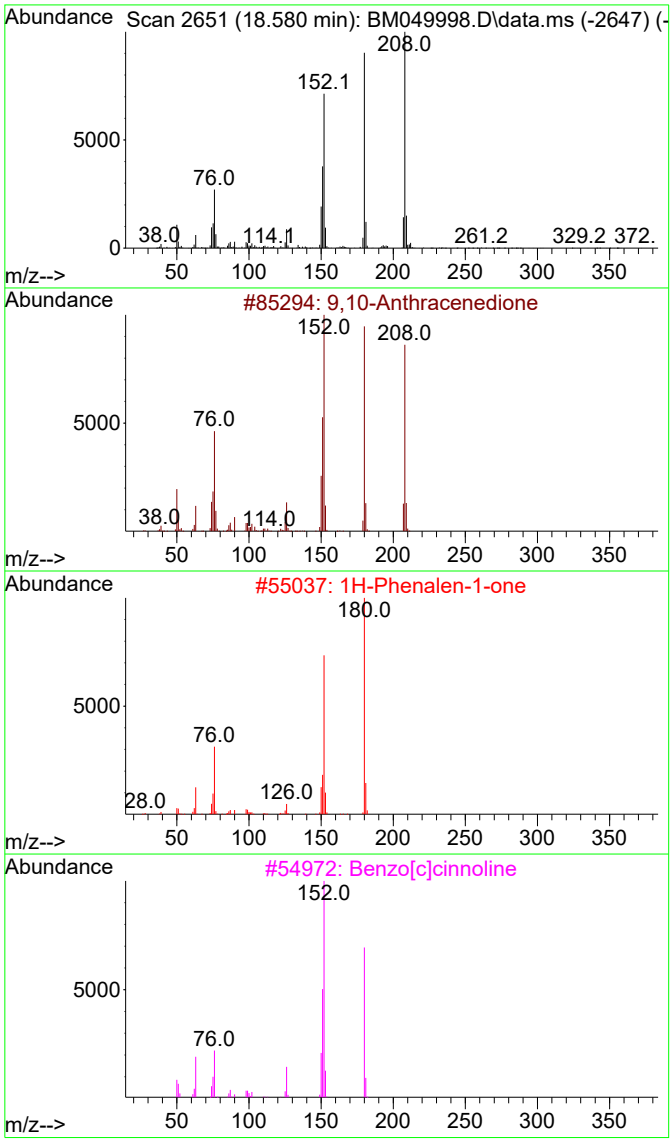
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

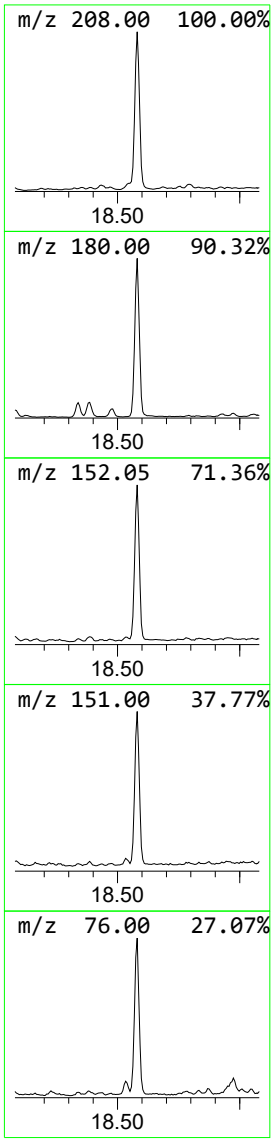
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.580	13.42 ng	2031130	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
5	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

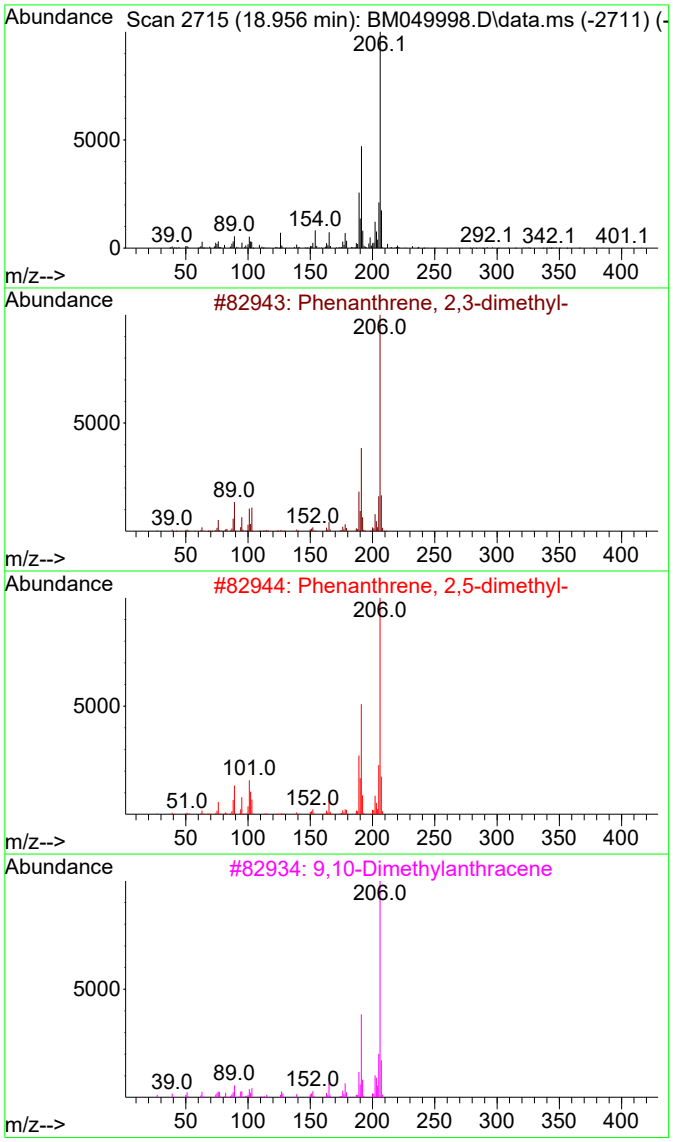
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

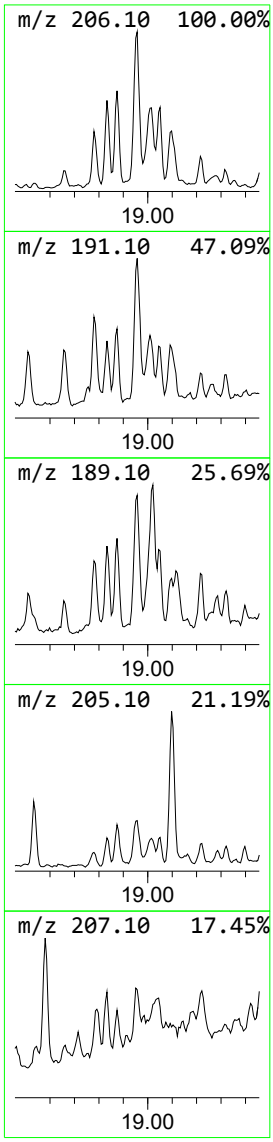
****

Peak Number 10 Phenanthrene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.956	3.21 ng	484969	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

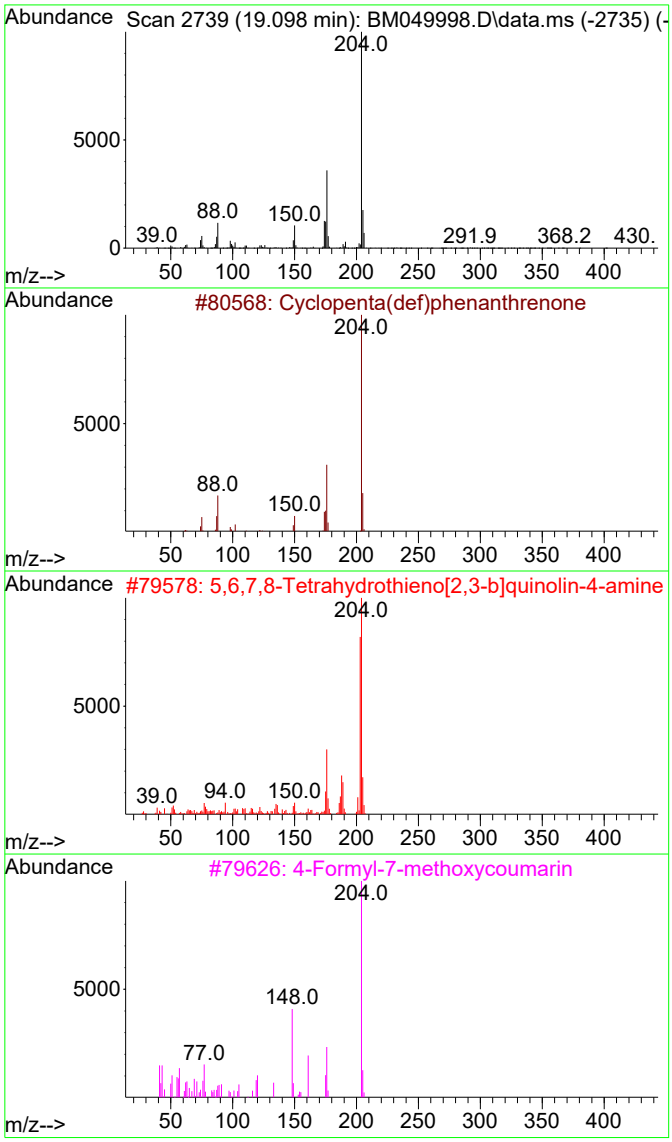
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

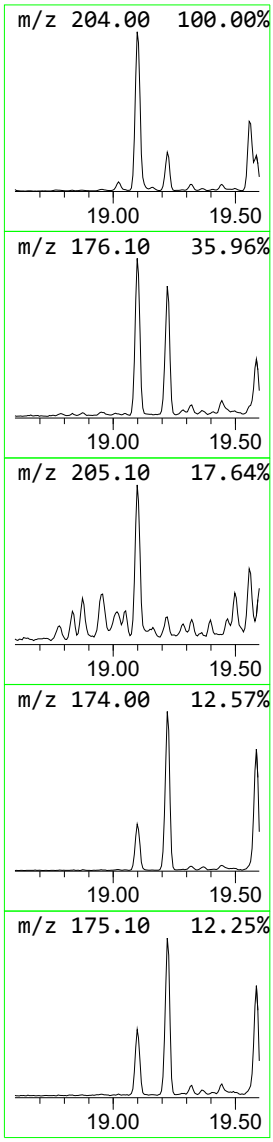
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.098	13.25 ng	2004180	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	80
3	4-Formyl-7-methoxycoumarin	204	C11H8O4	1000429-03-0	64
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

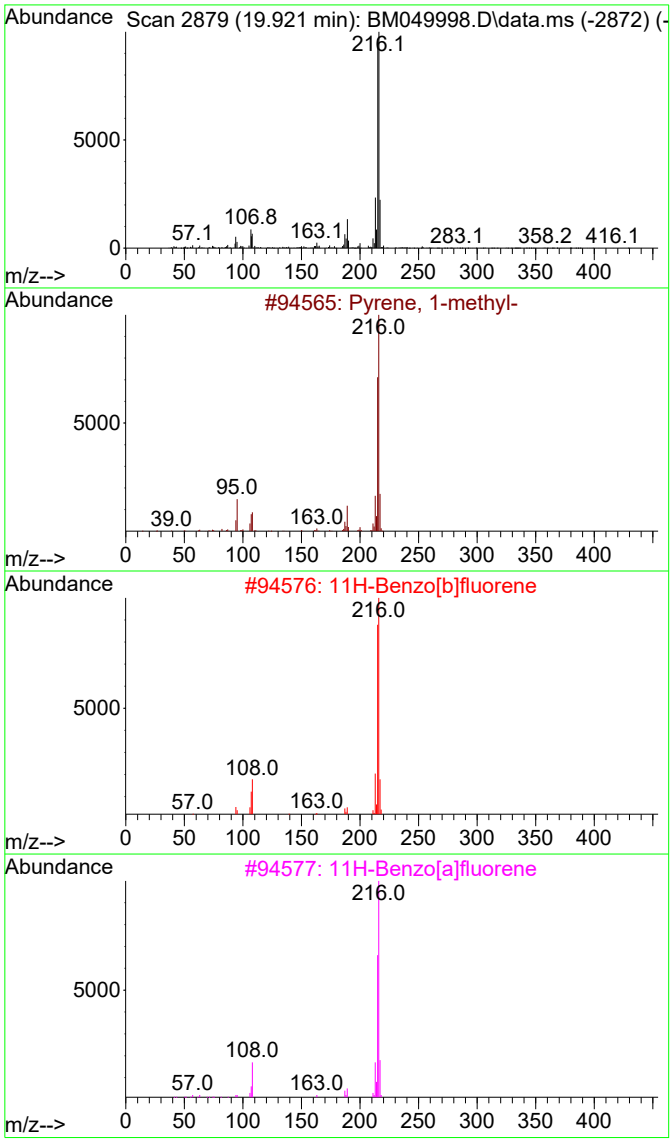
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

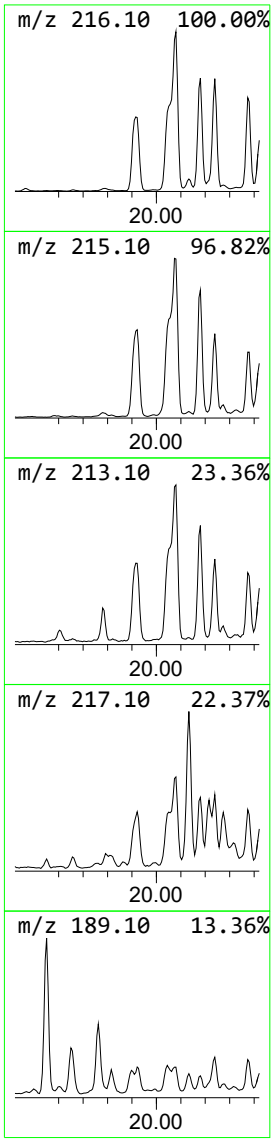
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.921	4.06 ng	2203470	Chrysene-d12	21.403

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

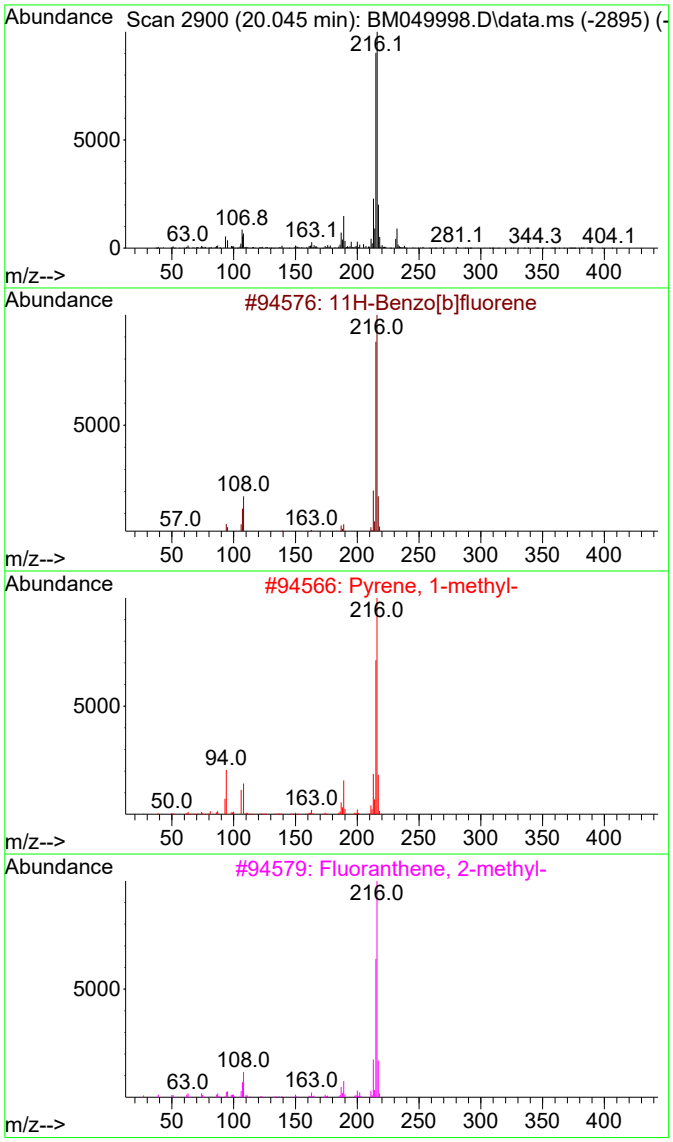
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

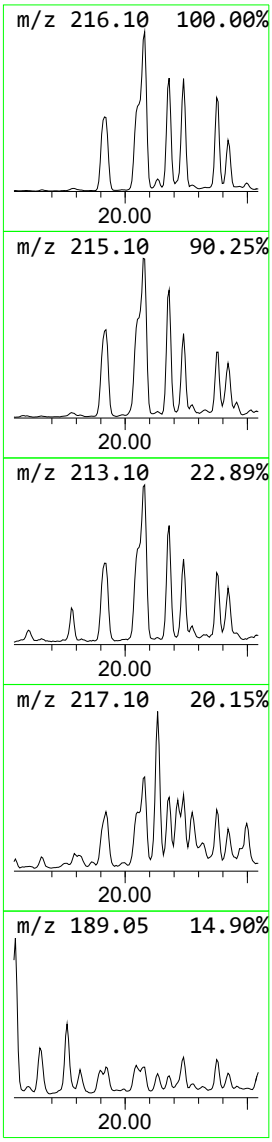
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.045	3.04 ng	1647670	Chrysene-d12	21.403

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

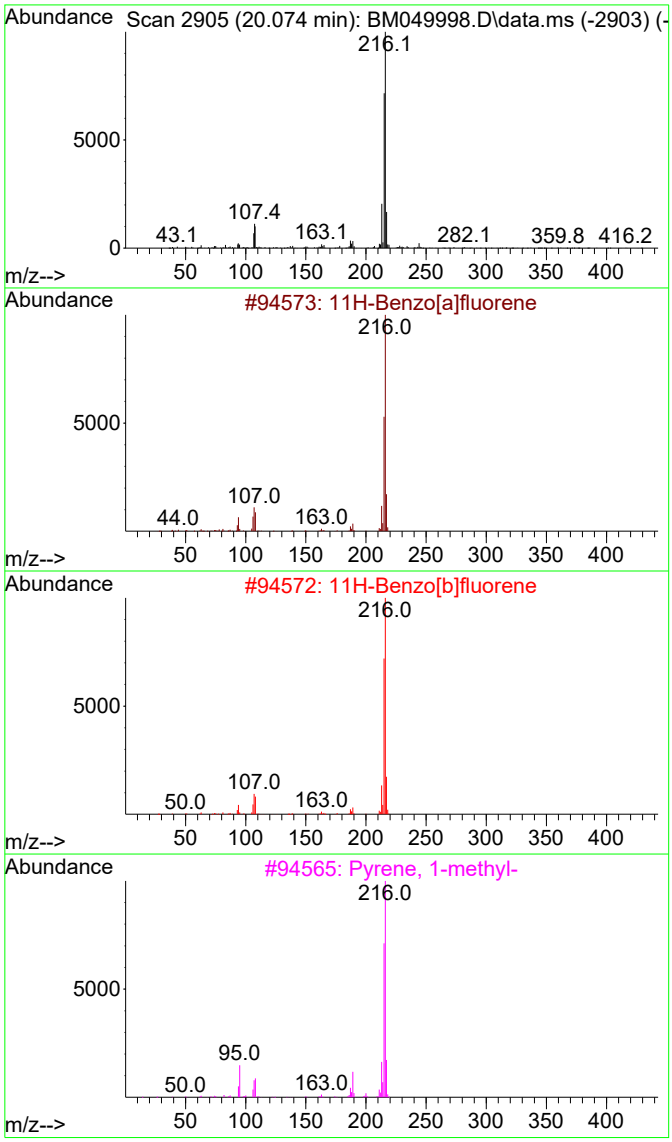
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

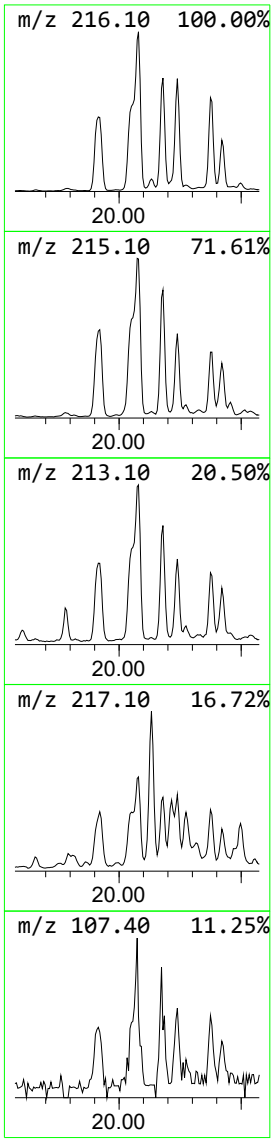
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.074	3.58 ng	1944640	Chrysene-d12	21.403

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

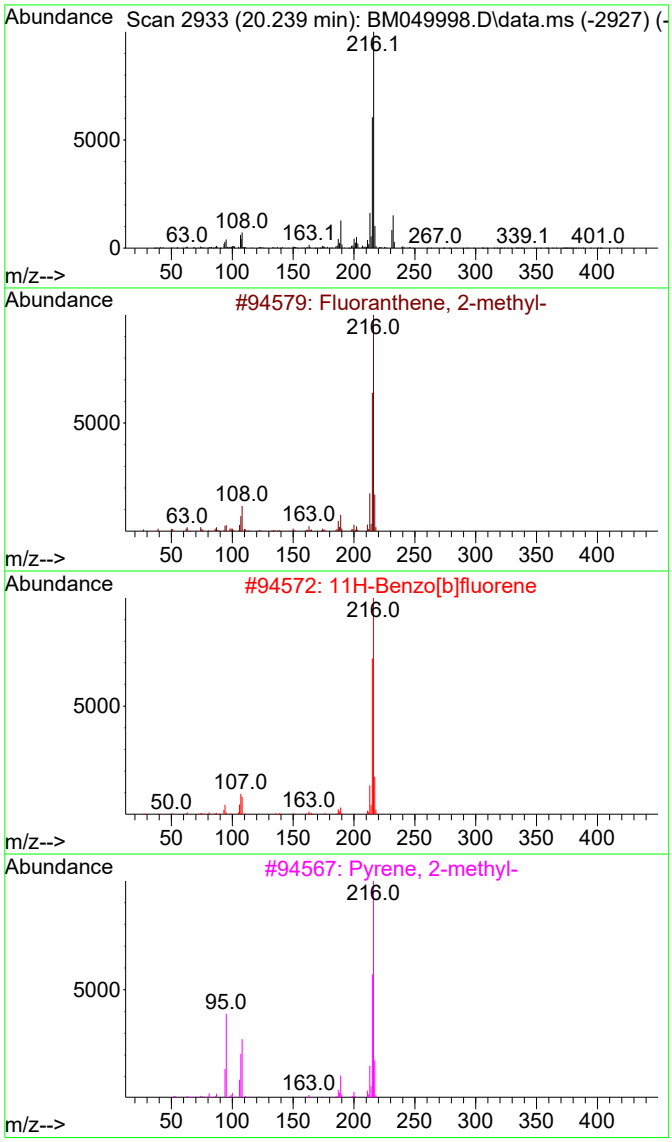
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

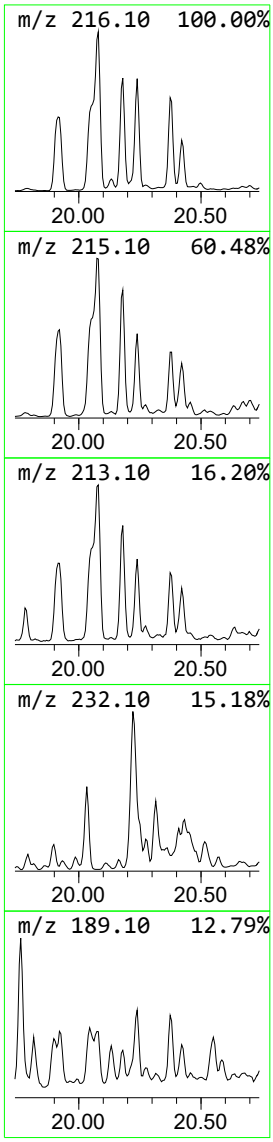
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.239	3.57 ng	1935180	Chrysene-d12	21.403

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	74
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

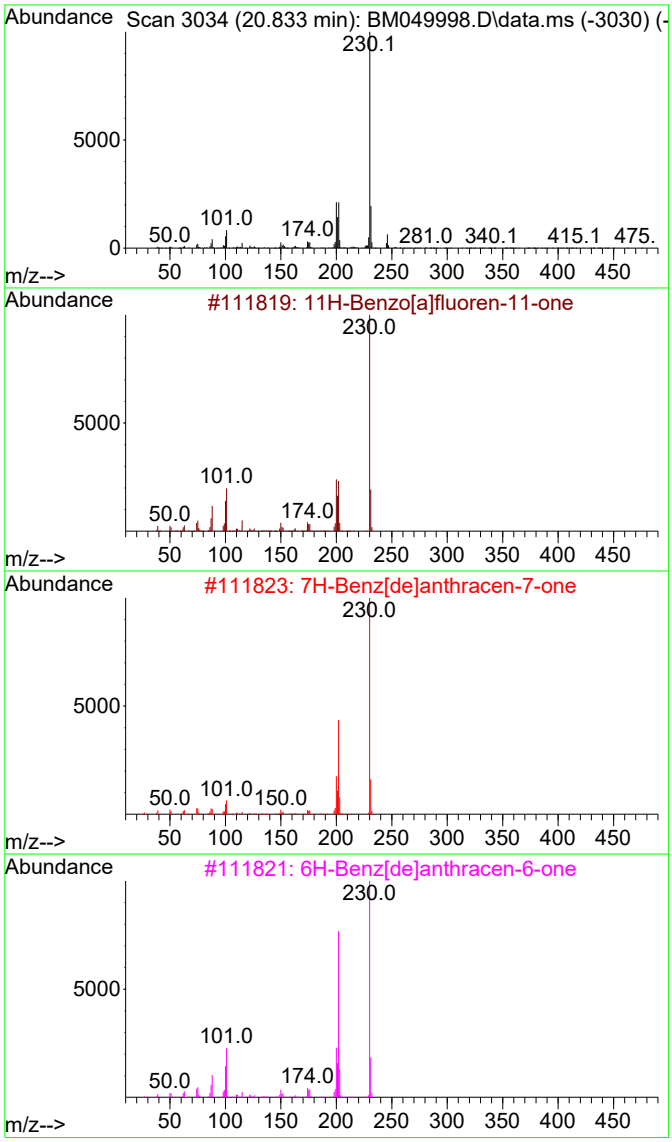
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

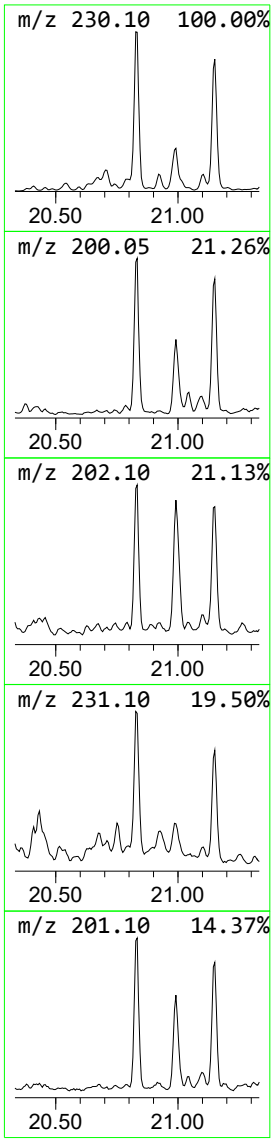
****

Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.833	3.89 ng	2110710	Chrysene-d12	21.403

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	96
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53
5	o-Terphenyl	230	C18H14	000084-15-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

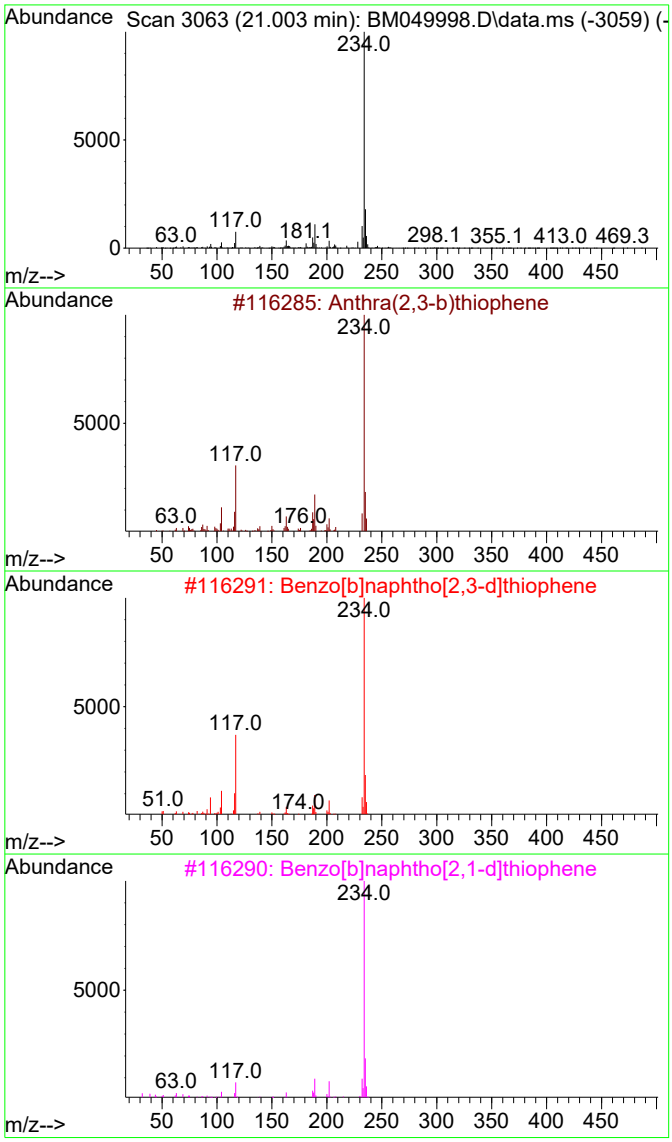
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

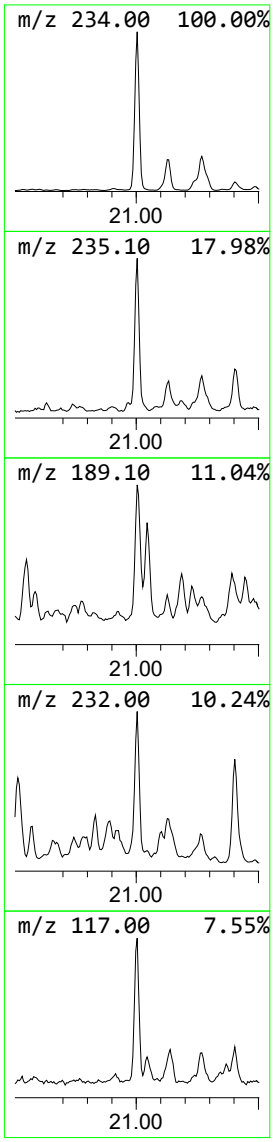
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Anthra(2,3-b)thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.003	3.01 ng	1635990	Chrysene-d12	21.403

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	83
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

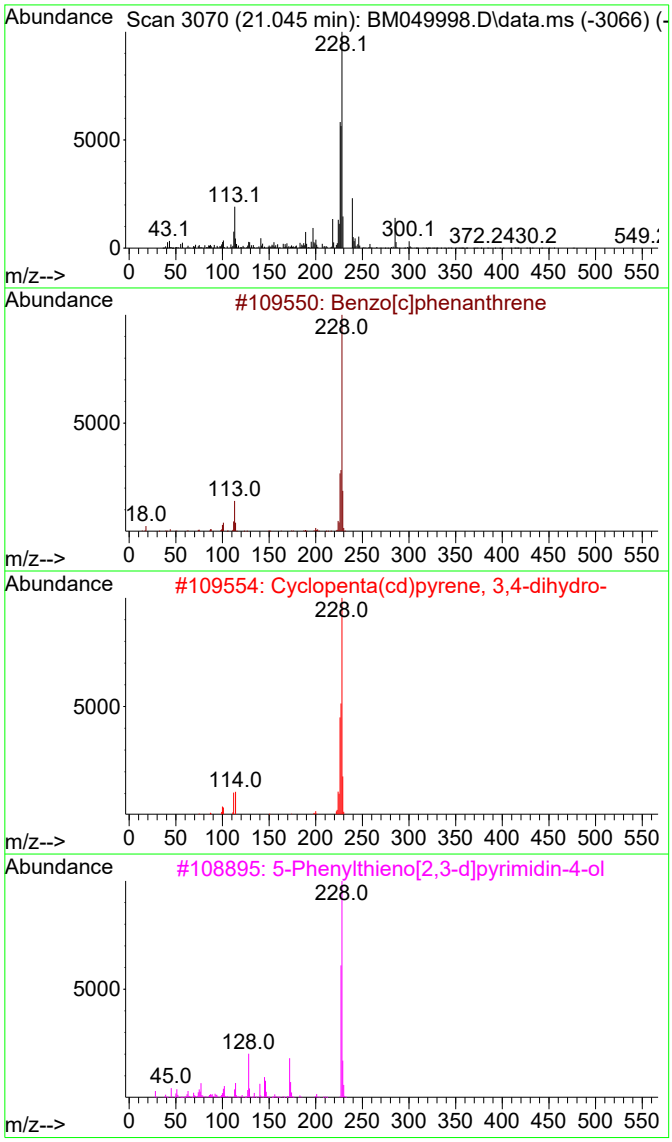
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

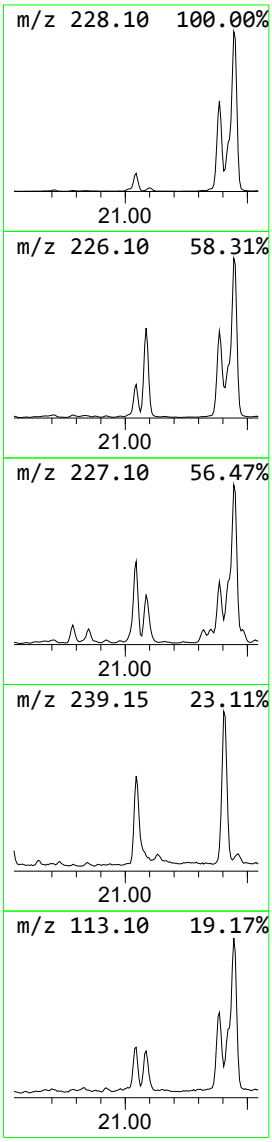
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 unknown21.044 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.044	3.50 ng	1900430	Chrysene-d12	21.403

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
3	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	43
4	8-Bromo-1,2,3,4-tetrahydro-1,6-n...	226	C9H11BrN2	2077845-85-1	43
5	Benz[a]anthracene	228	C18H12	000056-55-3	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

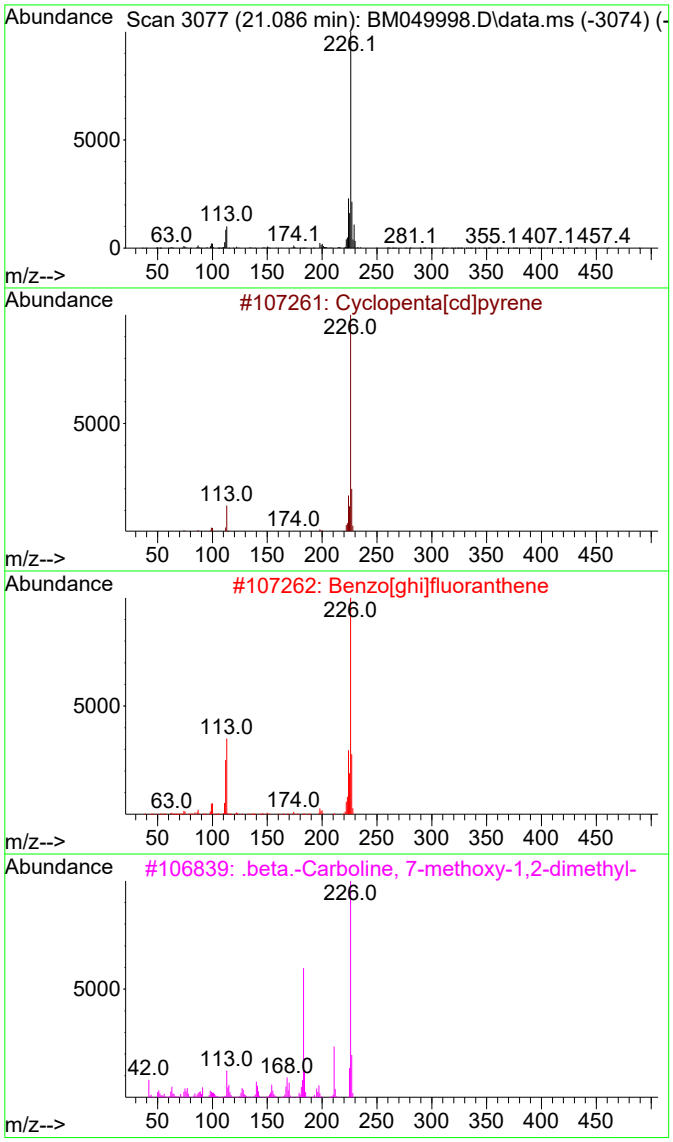
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

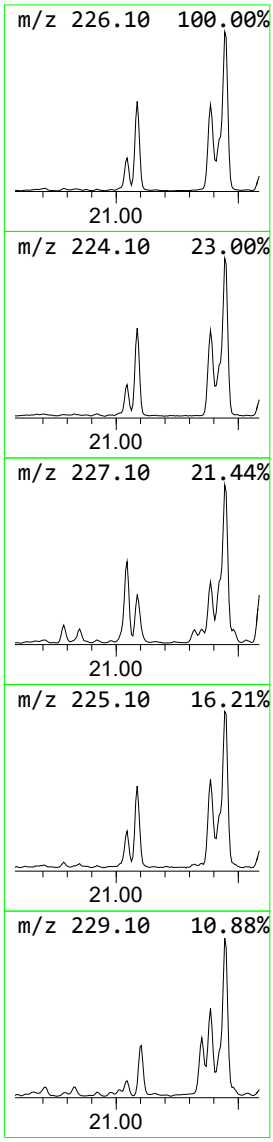
****

Peak Number 19 Cyclopenta[cd]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.086	3.48 ng	1887220	Chrysene-d12	21.403

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	89
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	68
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	53
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

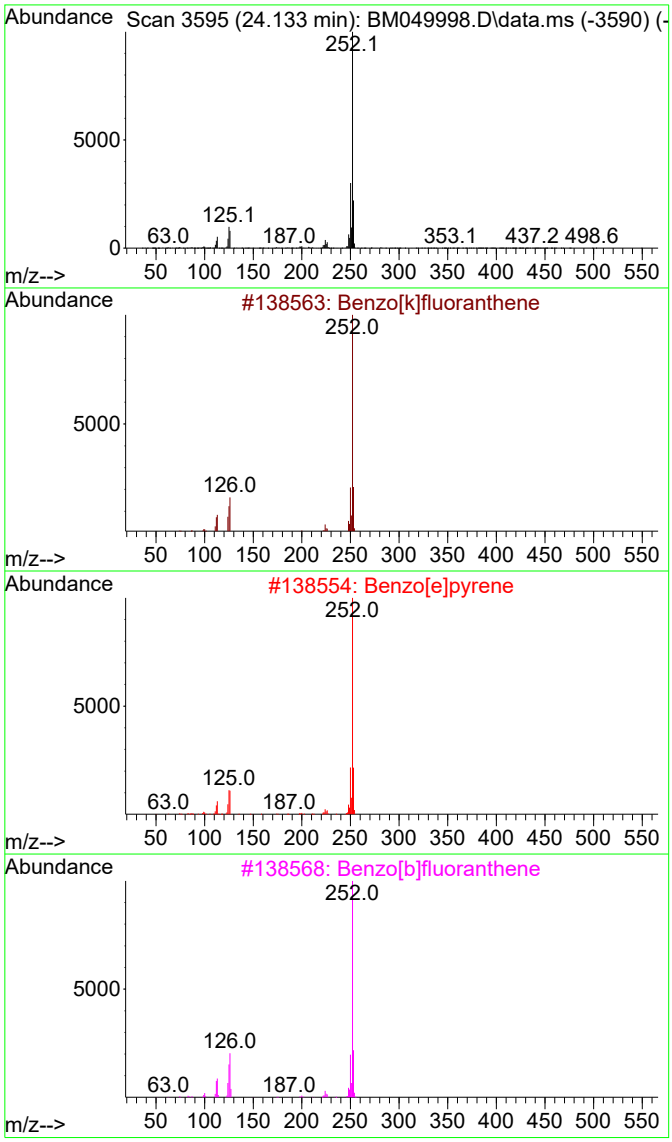
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

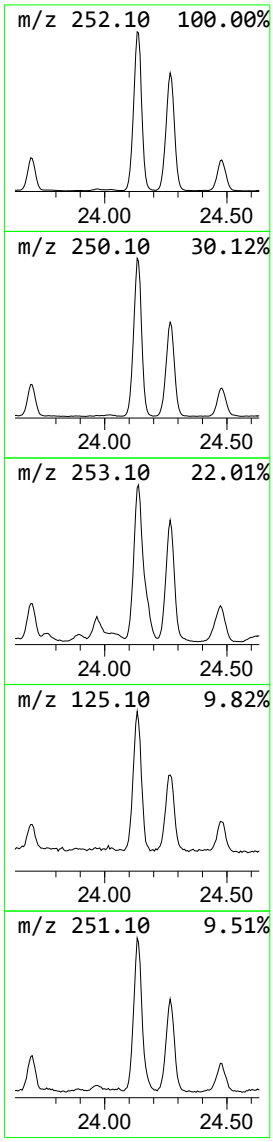
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.133	42.03 ng	5482850	Perylene-d12	24.409

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049998.D
Acq On : 22 Apr 2025 16:28
Operator : RC/JU
Sample : Q1848-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-275

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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
2-Pentanone, 4-...	4.887	6.5	ng	503361	1	7.769	1546160	20.0
.alpha.-Pinene	6.451	4.8	ng	368896	1	7.769	1546160	20.0
Benzophenone	15.768	3.7	ng	495714	3	14.410	2672870	20.0
1(2H)-Acenaphth...	16.139	3.7	ng	560670	4	17.157	3026140	20.0
Dibenzothiophene	16.974	3.7	ng	555620	4	17.157	3026140	20.0
Phenanthrene, 1...	18.033	4.7	ng	709122	4	17.157	3026140	20.0
4H-Cyclopenta[d...	18.227	12.1	ng	1828830	4	17.157	3026140	20.0
Naphthalene, 2-...	18.533	4.2	ng	636189	4	17.157	3026140	20.0
9,10-Anthracene...	18.580	13.4	ng	2031130	4	17.157	3026140	20.0
Phenanthrene, 2...	18.956	3.2	ng	484969	4	17.157	3026140	20.0
Cyclopenta(def)...	19.098	13.3	ng	2004180	4	17.157	3026140	20.0
Pyrene, 1-methyl-	19.921	4.1	ng	2203470	5	21.403	10854600	20.0
11H-Benzo[b]flu...	20.045	3.0	ng	1647670	5	21.403	10854600	20.0
11H-Benzo[a]flu...	20.074	3.6	ng	1944640	5	21.403	10854600	20.0
Fluoranthene, 2...	20.239	3.6	ng	1935180	5	21.403	10854600	20.0
11H-Benzo[a]flu...	20.833	3.9	ng	2110710	5	21.403	10854600	20.0
Anthra(2,3-b)th...	21.003	3.0	ng	1635990	5	21.403	10854600	20.0
unknown21.044	21.044	3.5	ng	1900430	5	21.403	10854600	20.0
Cyclopenta[cd]p...	21.086	3.5	ng	1887220	5	21.403	10854600	20.0
Benzo[e]pyrene	24.133	42.0	ng	5482850	6	24.409	2608840	20.0