LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : O2871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-226

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-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057509.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.765	203	209	217	rBV	27043	43185	4.44%	0.362%
2	5.388	309	315	323	rBB	40478	63693	6.54%	0.534%
3	5.876	391	398	412	rBV	175662	286555	29.44%	2.402%
4	7.497	667	674	684	rBV	235077	416154	42.75%	3.488%
5	8.355	812	820	829	rBB	84473	144691	14.86%	1.213%
6	9.535	1013	1021	1030	rBV	155508	276980	28.45%	2.321%
7	11.192	1293	1303	1309	rBV	112441	200266	20.57%	1.678%
8	13.595	1705	1712	1721	rVB	449580	685338	70.40%	5.744%
9	14.294	1825	1831	1836	rBV3	6967	11659	1.20%	0.098%
10	14.699	1895	1900	1907	rBV3	6255	12055	1.24%	0.101%
11	14.969	1940	1946	1952	rVB	181426	275832	28.33%	2.312%
12	15.028	1952	1956	1964	rVB	15055	23604	2.42%	0.198%
13	15.357	2005	2012	2018	rBV4	8098	15081	1.55%	0.126%
14	15.756	2070	2080	2088	rBV5	5338	13197	1.36%	0.111%
15	16.009	2117	2123	2132	rVB4	14374	27389	2.81%	0.230%
16	16.303	2168	2173	2181	rVB	48876	71465	7.34%	0.599%
17	16.450	2192	2198	2205	rBV	140457	217421	22.33%	1.822%
18	16.685	2233	2238	2246	rVB5	8791	18441	1.89%	0.155%
19	17.002	2288	2292	2298	rVB6	7609	13801	1.42%	0.116%
20	17.061	2298	2302	2308	rBV5	6274	11097	1.14%	0.093%
21	17.219	2325	2329	2335	rBV6	5967	11609	1.19%	0.097%
22	17.360	2348	2353	2358	rBV2	18600	30451	3.13%	0.255%
23	17.530	2376	2382	2388	rVB	18105	28228	2.90%	0.237%
24	17.707	2406	2412	2416	rBV	219173	345739	35.51%	2.898%
25	17.754	2416	2420	2426	rVV	283665	412258	42.35%	3.455%
26	17.842	2430	2435	2441	rBV	20788	36724	3.77%	0.308%
27	18.106	2475	2480	2485	rBV2	19343	41431	4.26%	0.347%
28	18.218	2495	2499	2505	rBV2	10749	15499	1.59%	0.130%
29	18.288	2506	2511	2517	rVB2	25422	38484	3.95%	0.323%
30	18.429	2531	2535	2542	rVB2	16096	34520	3.55%	0.289%
31	18.500	2542	2547	2550	rBV5	10097	17466	1.79%	0.146%
32	18.576	2551	2560	2564	rVV	80869	158245	16.26%	1.326%
33	18.623	2564	2568	2574	rVB	98480	139515	14.33%	1.169%
34	18.705	2576	2582	2585	rBV3	10910	17841	1.83%	0.150%
35	18.764	2586	2592	2596	rVV3	81774	170335	17.50%	1.428%
36	18.805	2596	2599	2605	rVB	57745	85054	8.74%	0.713%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

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-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.964	2622	2626	2630	rVB3	12763	19272	1.98%	0.162%
38	19.058	2637	2642	2646	rBV	52839	83722	8.60%	0.702%
39	19.111	2646	2651	2660	rVB2	82604	138481	14.23%	1.161%
40	19.181	2660	2663	2666	rBV4	10658	17068	1.75%	0.143%
41	19.299	2676	2683	2687	rBV5	28942	64969	6.67%	0.544%
42	19.352	2688	2692	2695	rVB	24519	31615	3.25%	0.265%
43	19.387	2695	2698	2705	rVB4	21833	32673	3.36%	0.274%
44	19.469	2705	2712	2717	rBV	70162	137611	14.14%	1.153%
45	19.522	2717	2721	2726	rVV3	15643	33206	3.41%	0.278%
46	19.622	2732	2738	2742	rBV2	49360	92454	9.50%	0.775%
47	19.739	2752	2758	2763	rVB	541913	755921	77.65%	6.335%
48	19.786	2763	2766	2769	rBV2	13013	16965	1.74%	0.142%
49	19.927	2787	2790	2794	rBV3	18475	25208	2.59%	0.211%
50	20.068	2808	2814	2815	rBV2	76783	116749	11.99%	0.978%
51	20.103	2815	2820	2825	rVV	524243	761674	78.24%	6.383%
52	20.162	2826	2830	2835	rVB	41970	60513	6.22%	0.507%
53	20.274	2844	2849	2854	rVB	721226	973503	100.00%	8.159%
54	20.415	2867	2873	2881	rBV3	61923	147340	15.14%	1.235%
55	20.556	2891	2897	2898	rBV6	42111	80910	8.31%	0.678%
56	20.579	2899	2901	2910	rVB	85557	116934	12.01%	0.980%
57	20.679	2915	2918	2921	rBV	33897	38986	4.00%	0.327%
58	20.744	2925	2929	2932	rVB	68430	88884	9.13%	0.745%
59	20.885	2949	2953	2956	rBV	63523	97177	9.98%	0.814%
60	20.914	2956	2958	2969	rVB2	83229	183528	18.85%	1.538%
61	21.372	3032	3036	3042	rVB	73592	112827	11.59%	0.946%
62	21.566	3066	3069	3074	rVV	62804	88360	9.08%	0.741%
63	21.607	3074	3076	3082	rVB	57362	80409	8.26%	0.674%
64	21.666	3083	3086	3091	rBV2	36761	52294	5.37%	0.438%
65	21.731	3093	3097	3107	rVB2	62672	129805	13.33%	1.088%
66	21.836	3111	3115	3119	rBV	126833	179300	18.42%	1.503%
67	22.013	3137	3145	3150	rBV4	241213	706728	72.60%	5.923%
68	22.065	3150	3154	3160	rVB	212883	364513	37.44%	3.055%
69	23.094	3325	3329	3336	rBV5	22757	51759	5.32%	0.434%
70	24.398	3543	3551	3560	rBV3	181863	601700	61.81%	5.043%
71	25.191	3679	3686	3697	rVB2	89844	260011	26.71%	2.179%
72	25.349	3704	3713	3722	rBV	112943	331203	34.02%	2.776%
73	25.514	3734	3741	3749	rVB	104373	282370	29.01%	2.366%
74	29.544	4420	4427	4429	rBV	35434	75714	7.78%	0.635%
75	30.818	4632	4644	4645	rBV8	35674	88625	9.10%	0.743%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

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-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

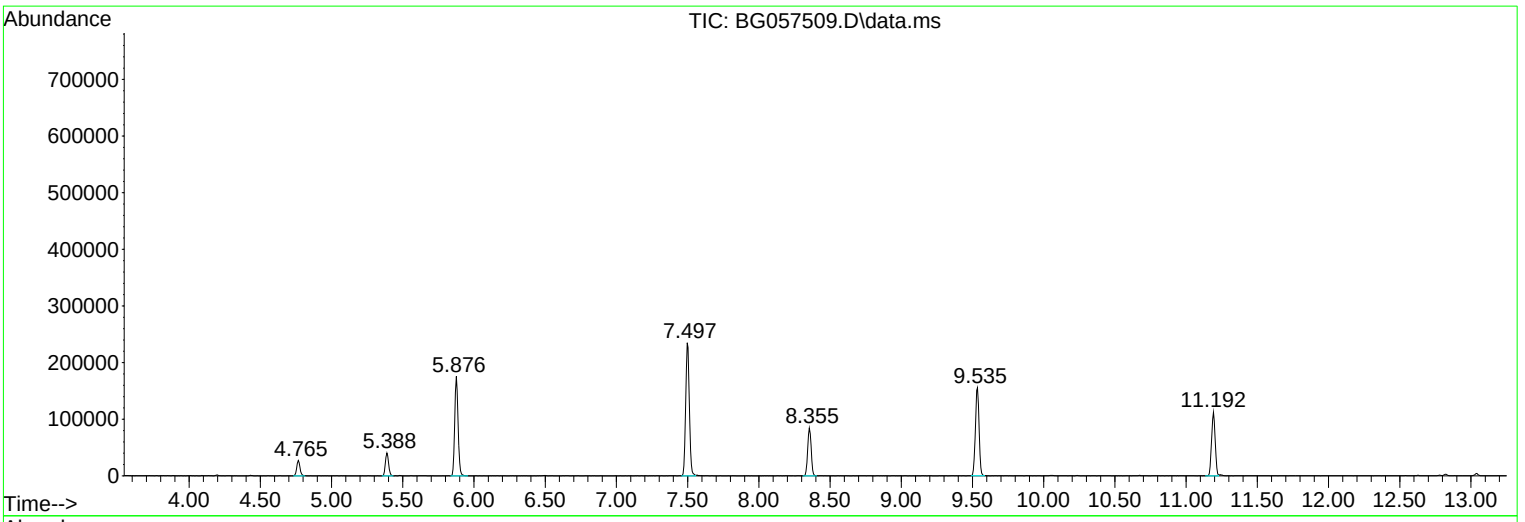
Sum of corrected areas: 11932284

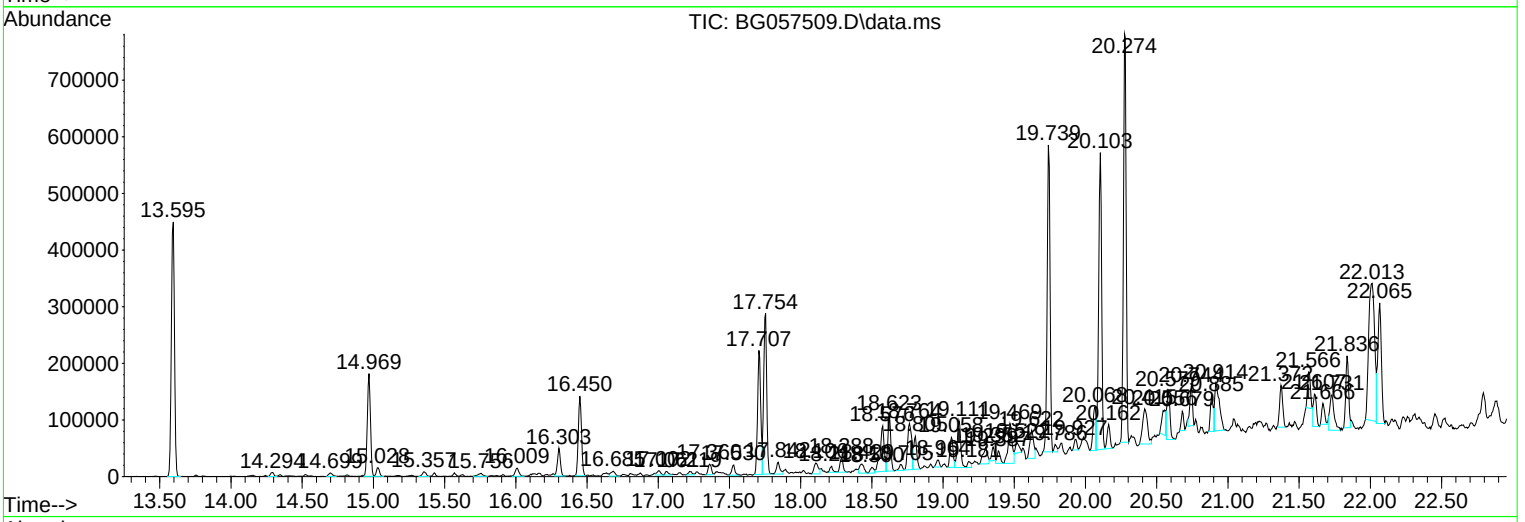
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

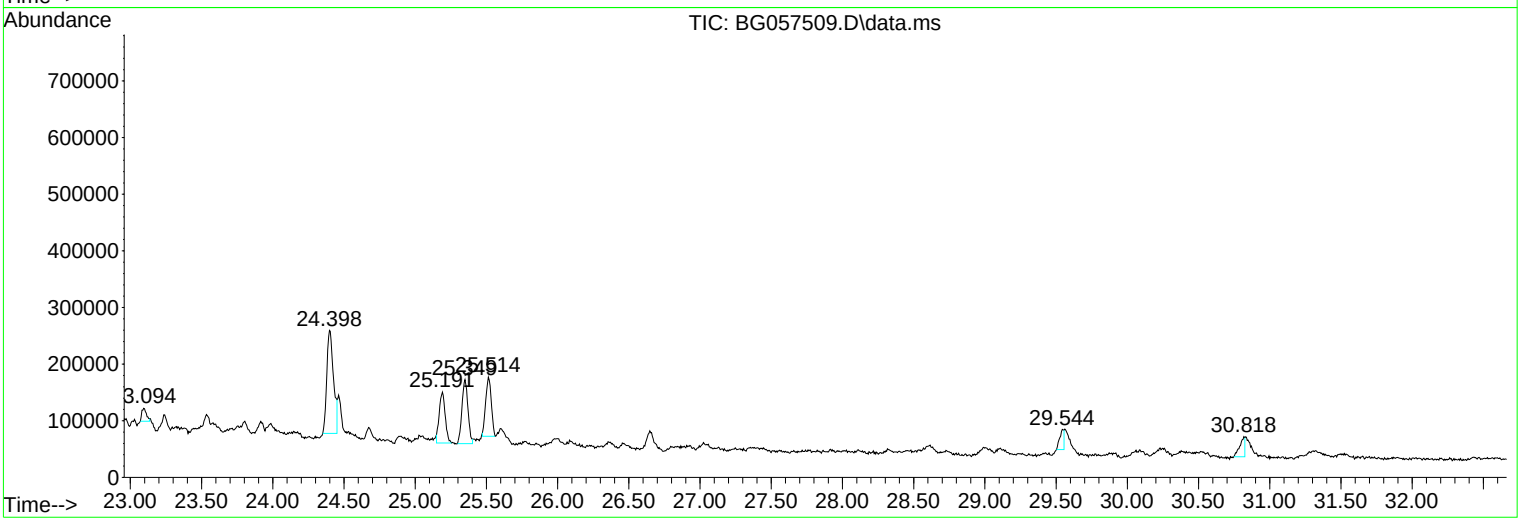
Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

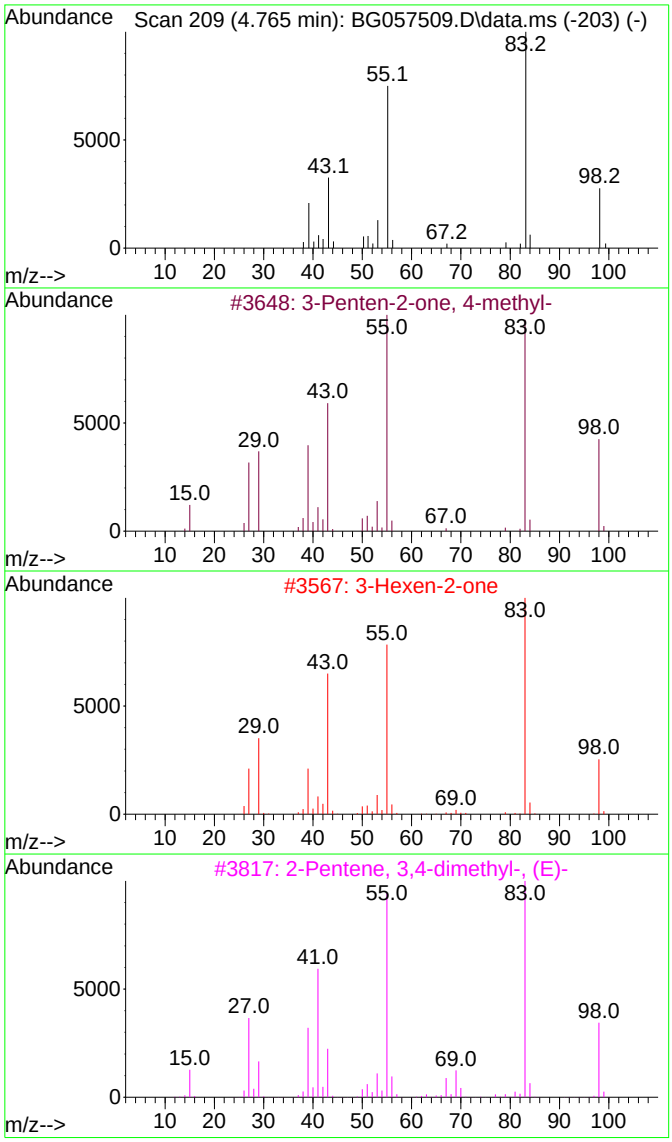
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

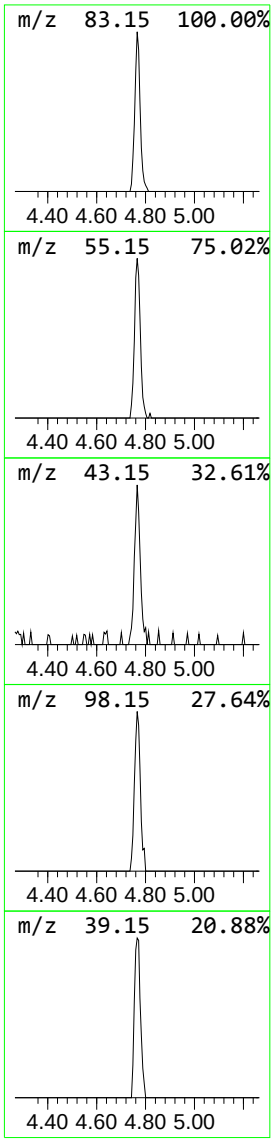
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.765	5.97 ng	43185	1,4-Dichlorobenzene-d4	8.355

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	86
5	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

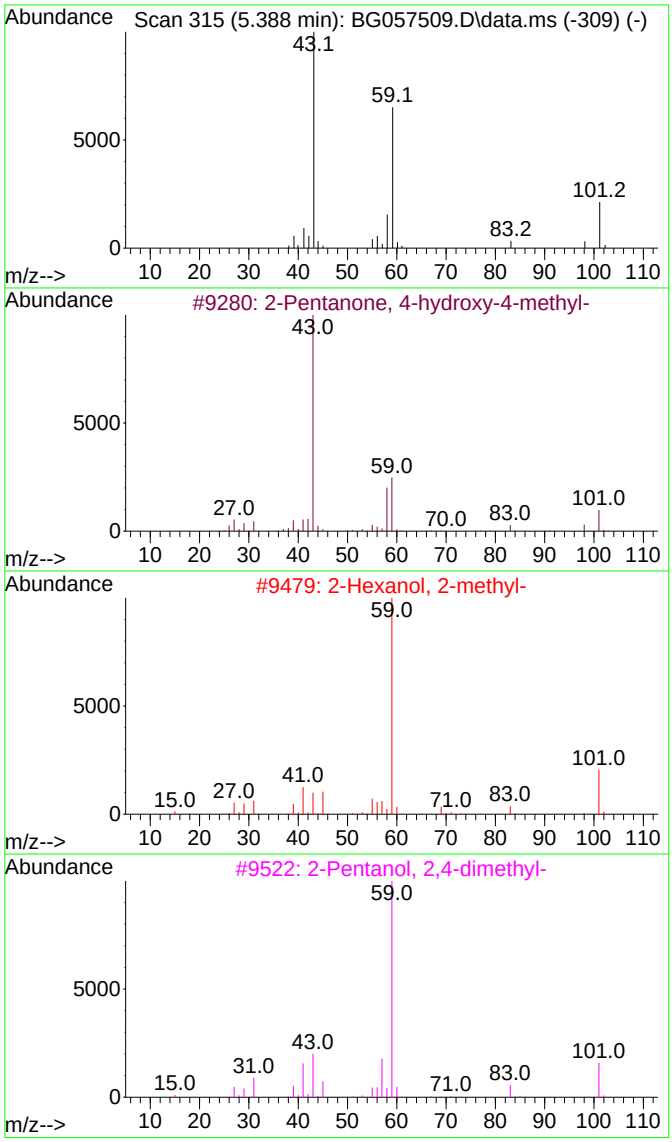
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

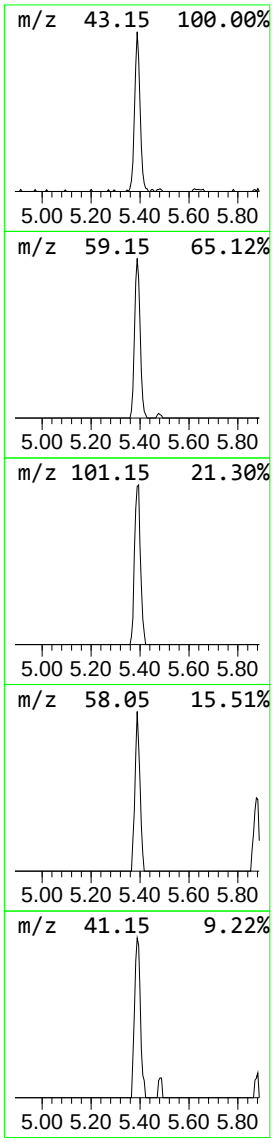
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.388	8.80 ng	63693	1,4-Dichlorobenzene-d4	8.355

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	53
3	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	53
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

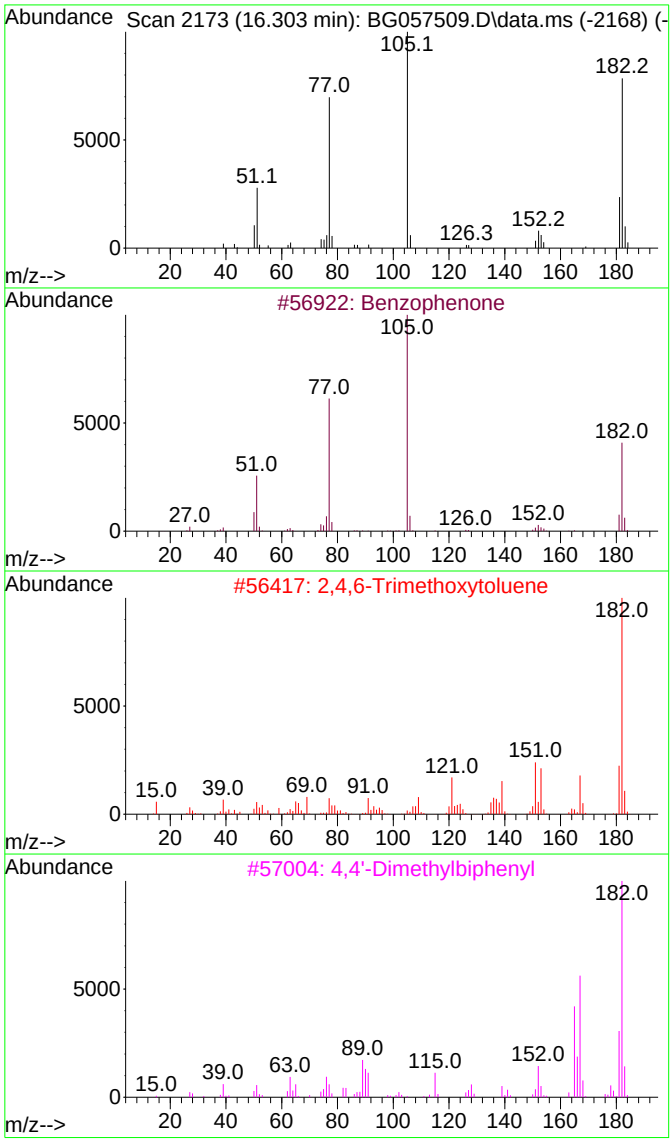
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

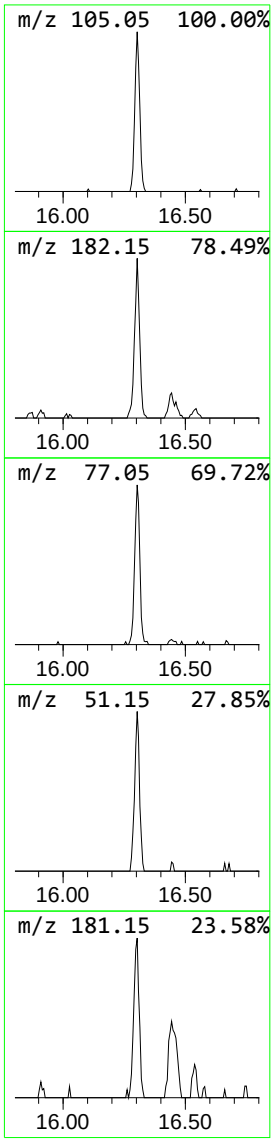
****

Peak Number 3 Benzophenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.303	5.18 ng	71465	Acenaphthene-d10	14.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	90
2	2,4,6-Trimethoxytoluene	182	C10H14O3	014107-97-2	49
3	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	49
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	46
5	3-Aminocarbazole	182	C12H10N2	006377-12-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

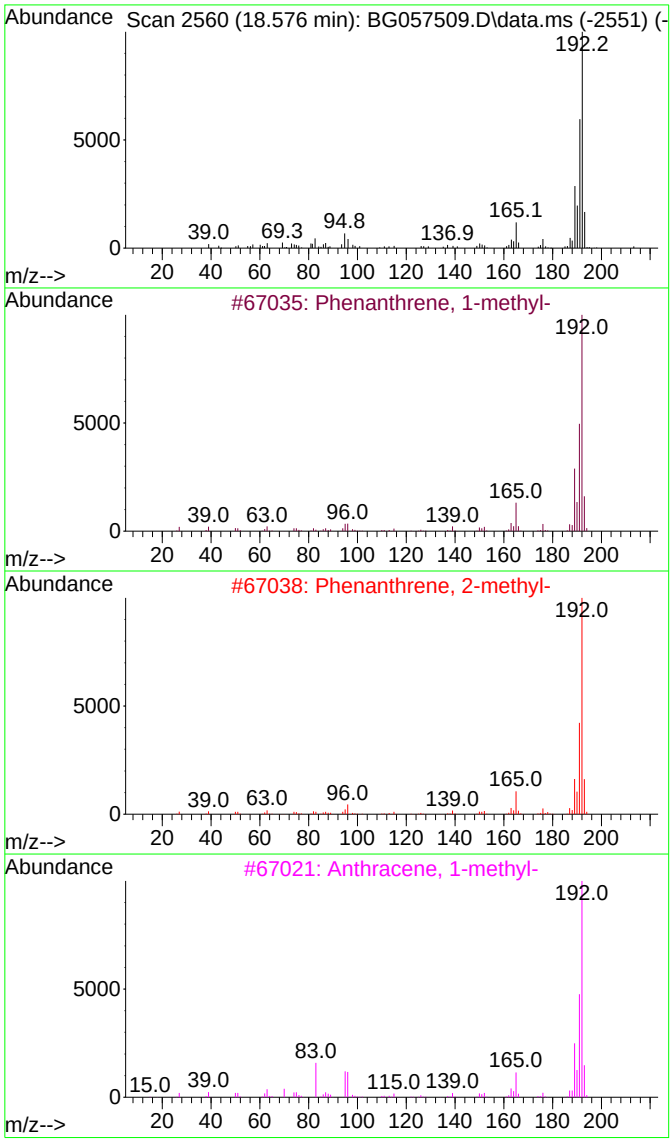
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

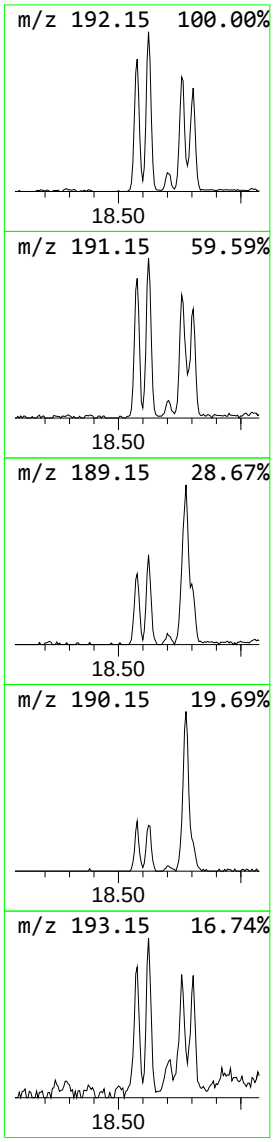
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.576	9.15 ng	158245	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

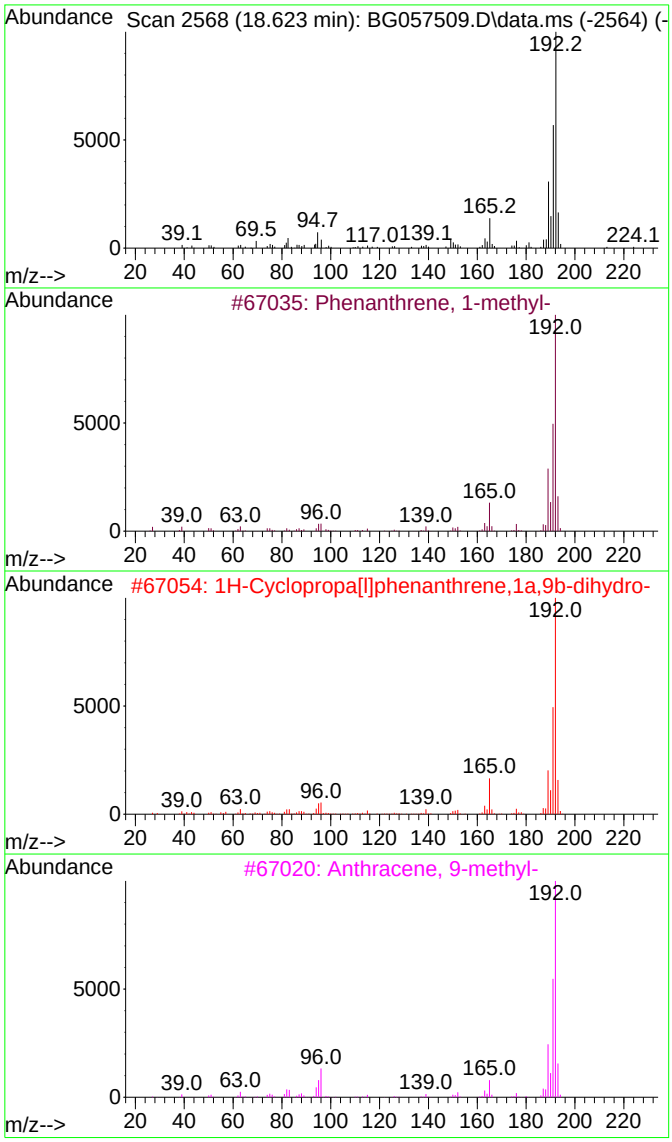
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

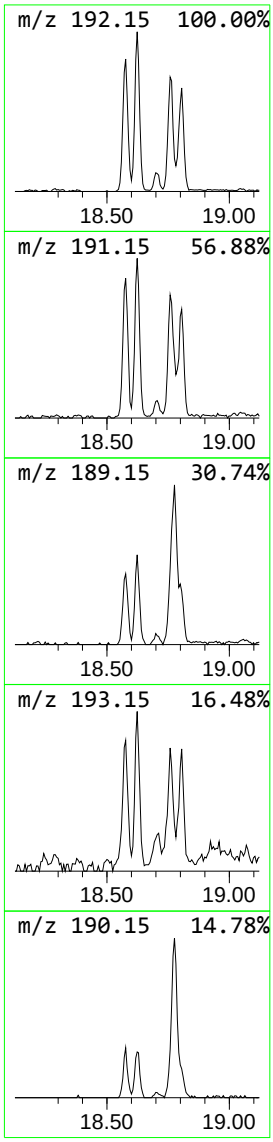
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.623	8.07 ng	139515	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

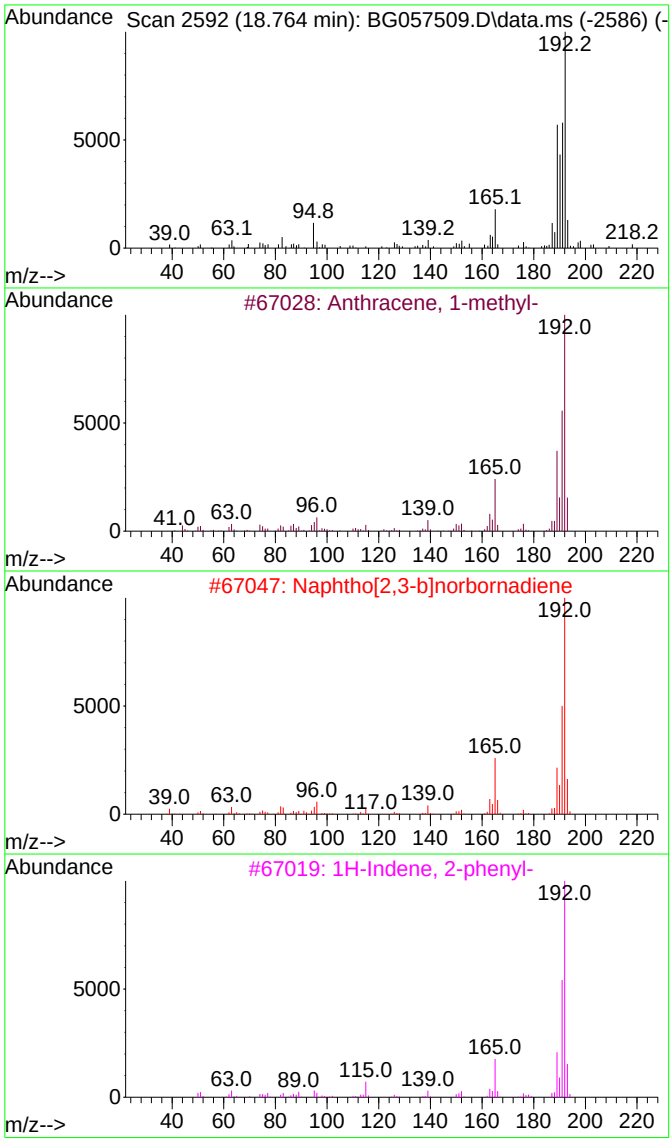
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

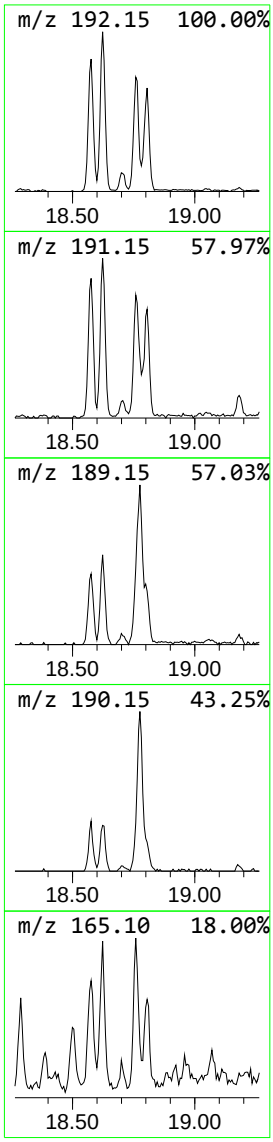
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.764	9.85 ng	170335	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

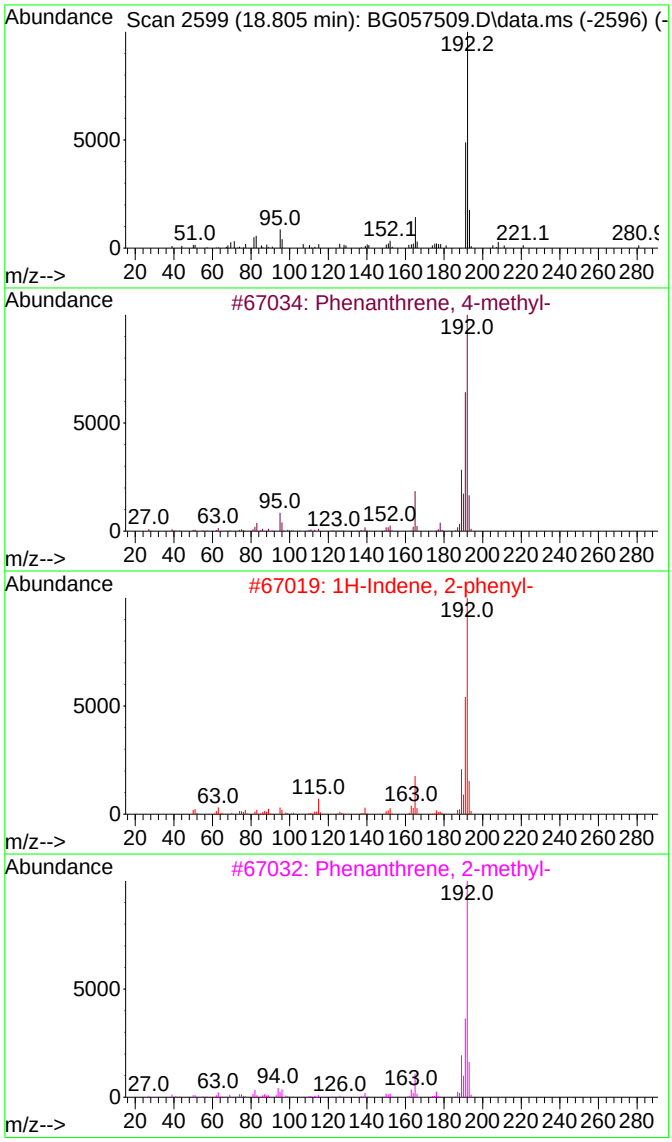
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

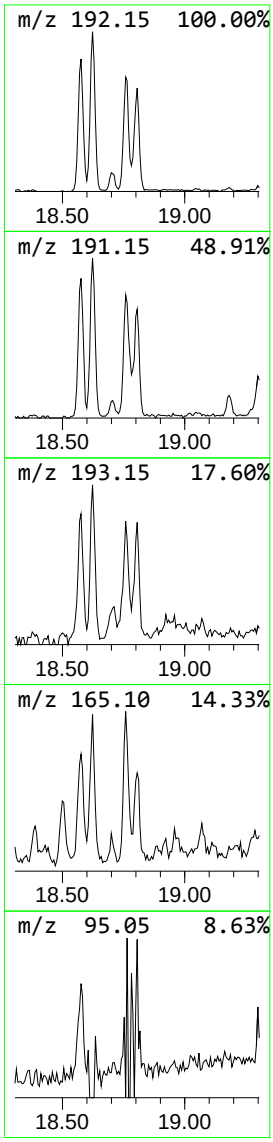
****

Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.805	4.92 ng	85054	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

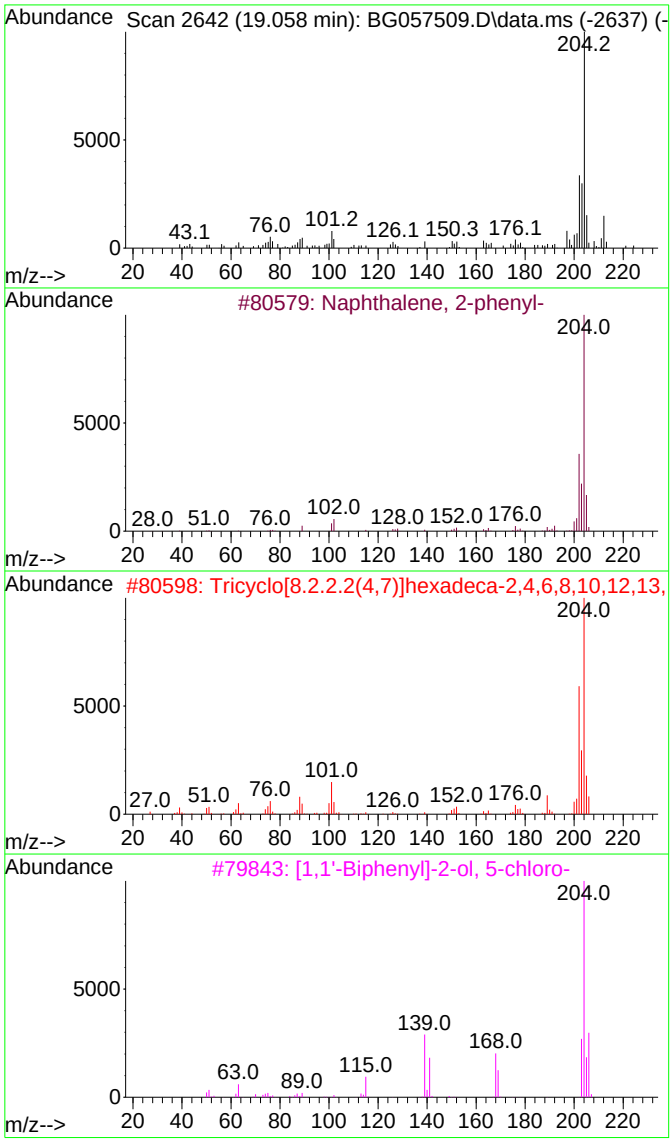
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

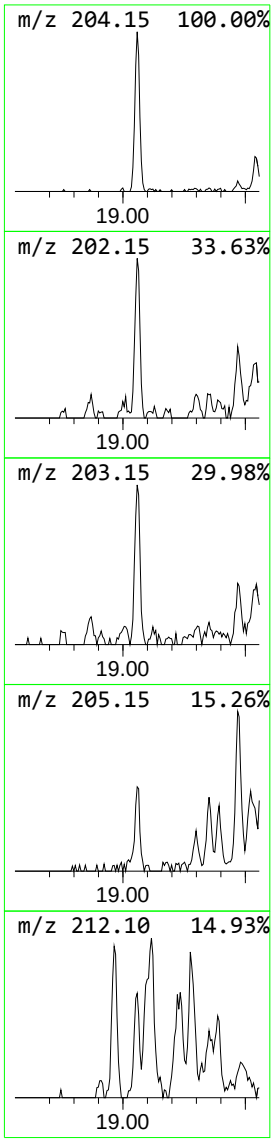
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.058	4.84 ng	83722	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	58
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	55
5	[1,2,4]Triazolo[5,1-b]quinazolin...	204	C10H12N4O	1000337-56-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

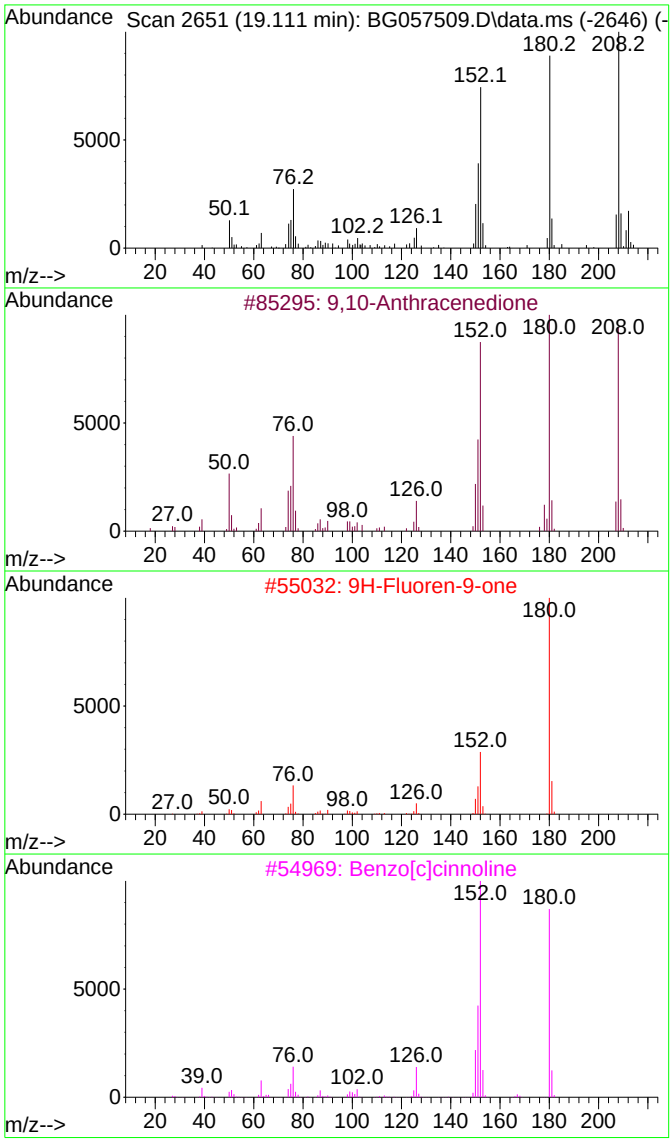
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

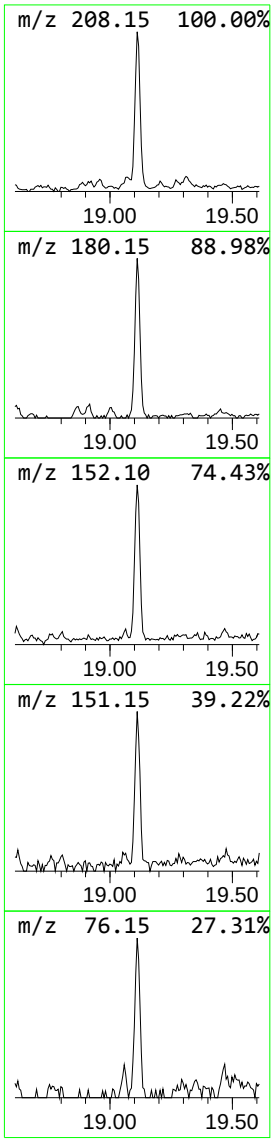
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.111	8.01 ng	138481	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

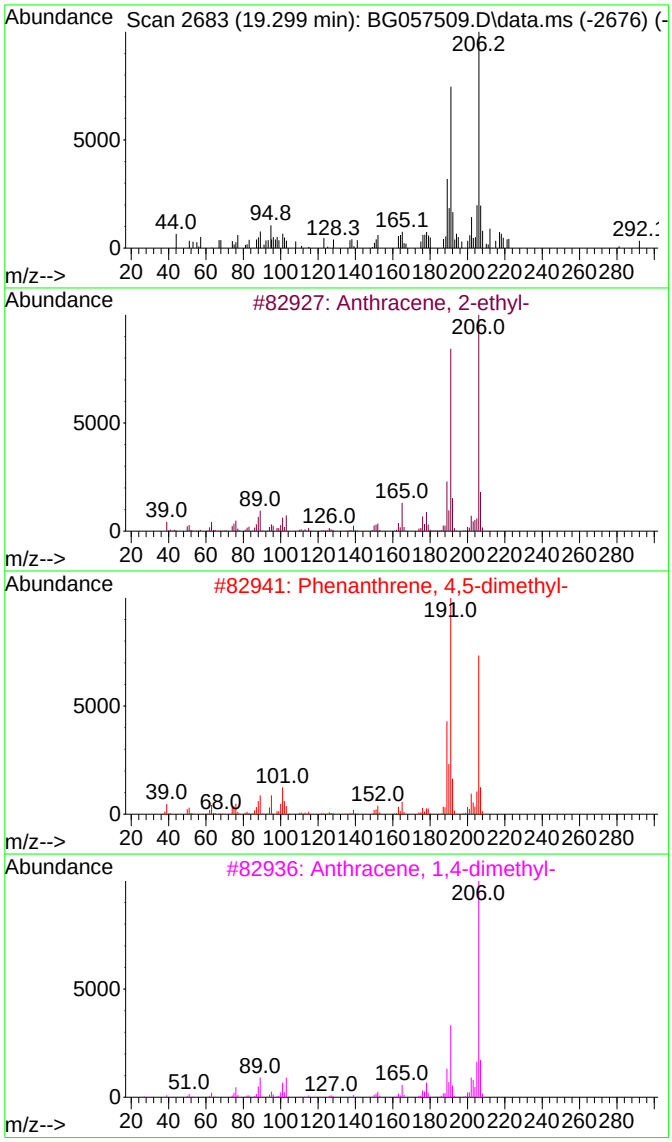
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

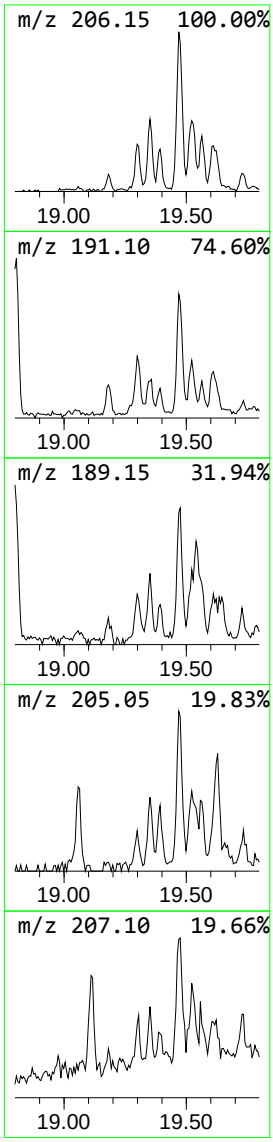
****

Peak Number 10 Anthracene, 2-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.299	3.76 ng	64969	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

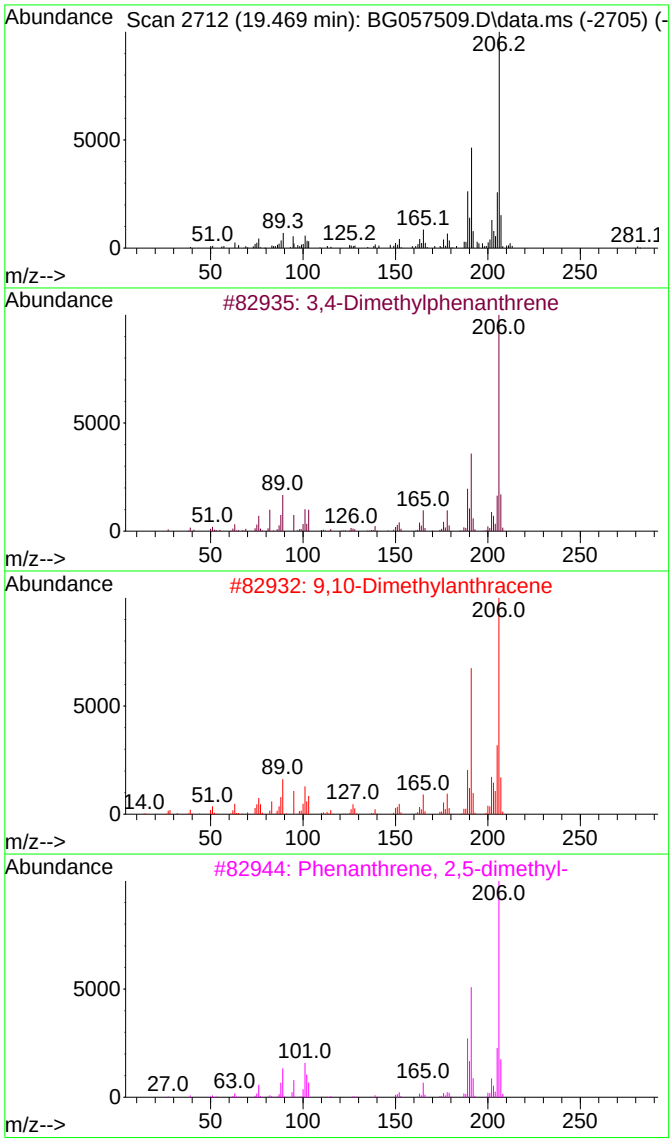
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

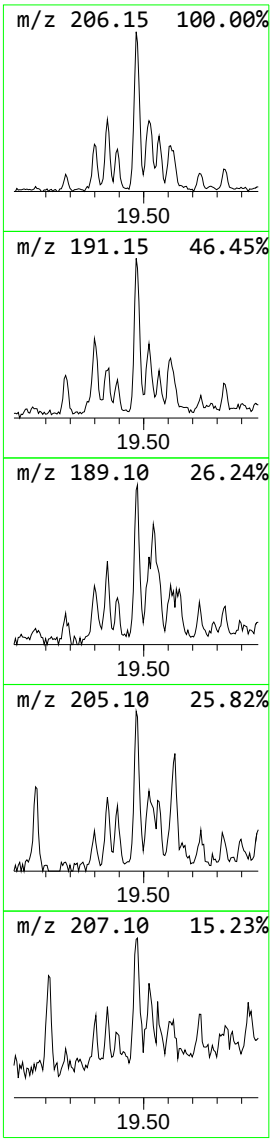
****

Peak Number 11 3,4-Dimethylphenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.469	7.96 ng	137611	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

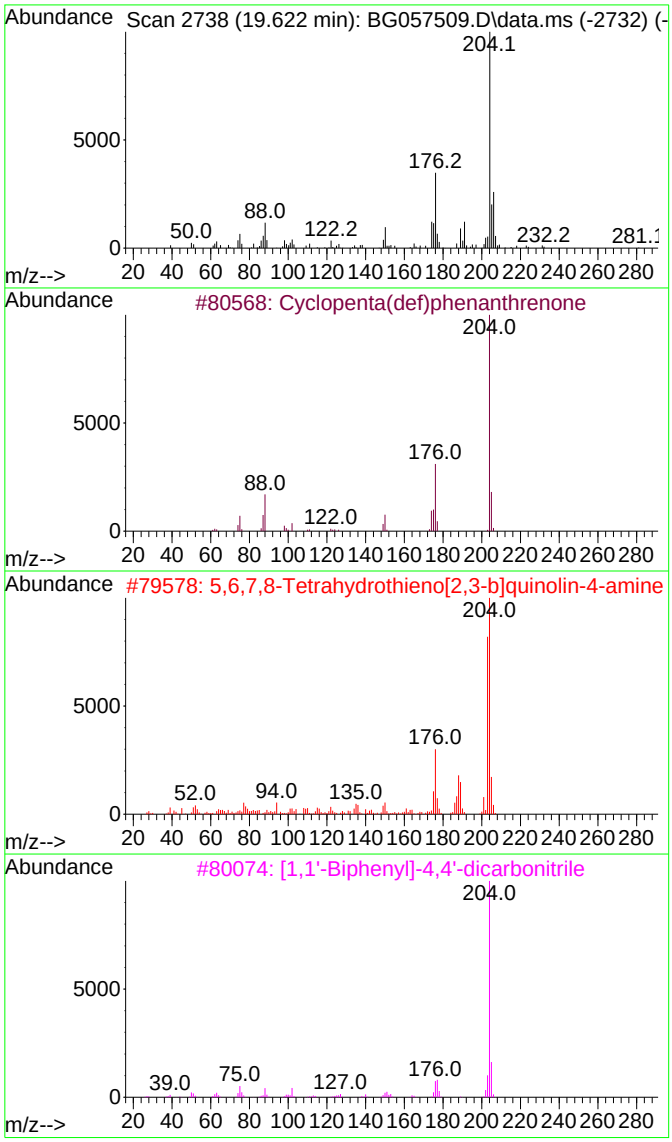
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

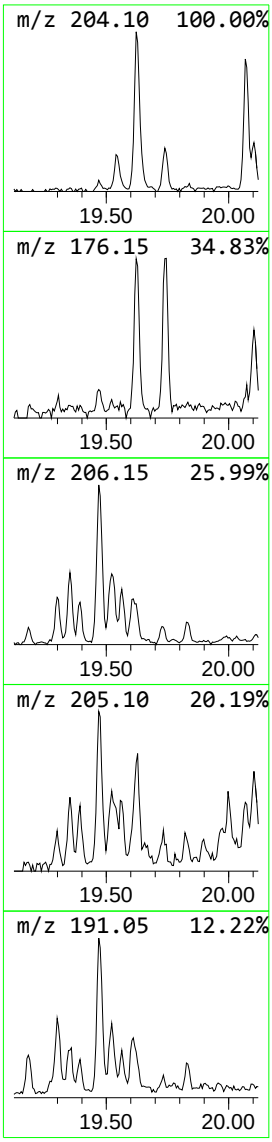
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.622	5.35 ng	92454	Phenanthrene-d10	17.707

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	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

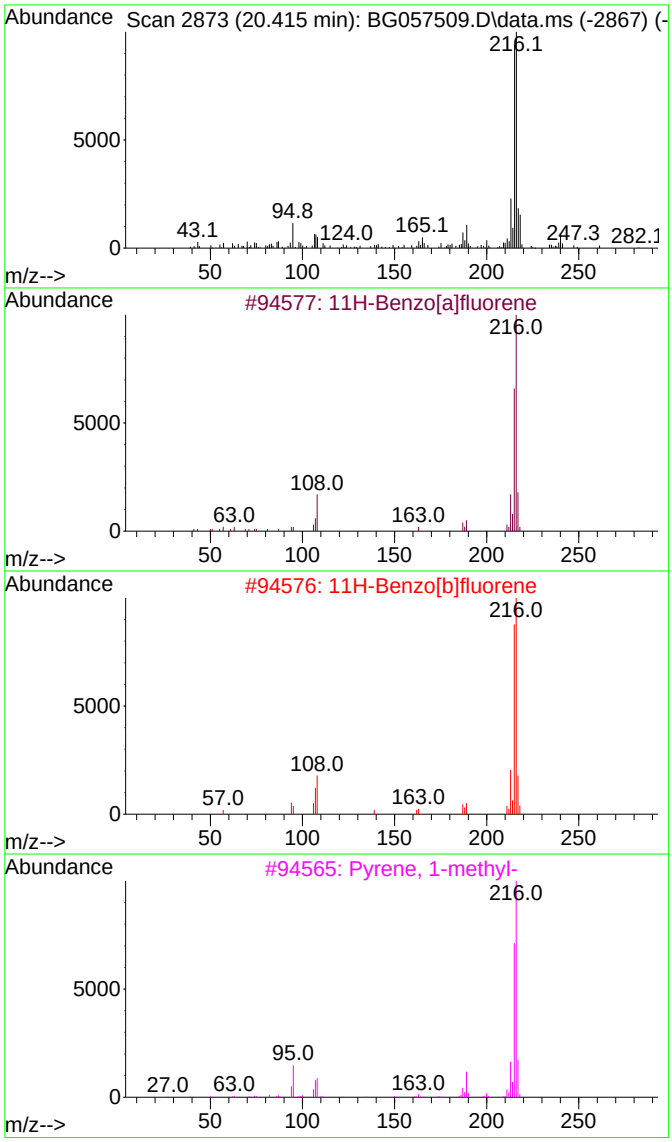
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

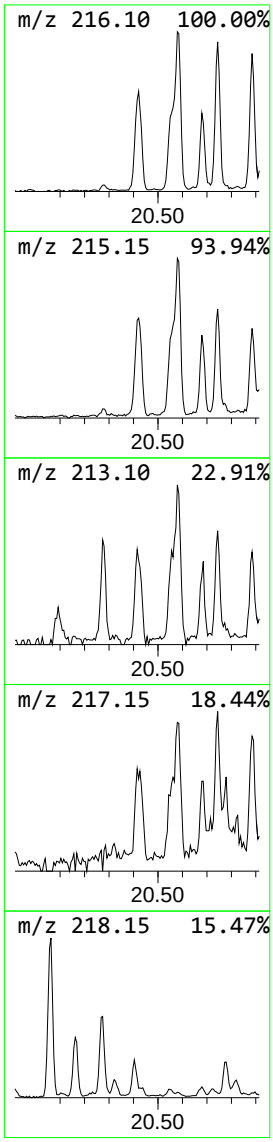
****

Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.415	4.17 ng	147340	Chrysene-d12	22.019

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

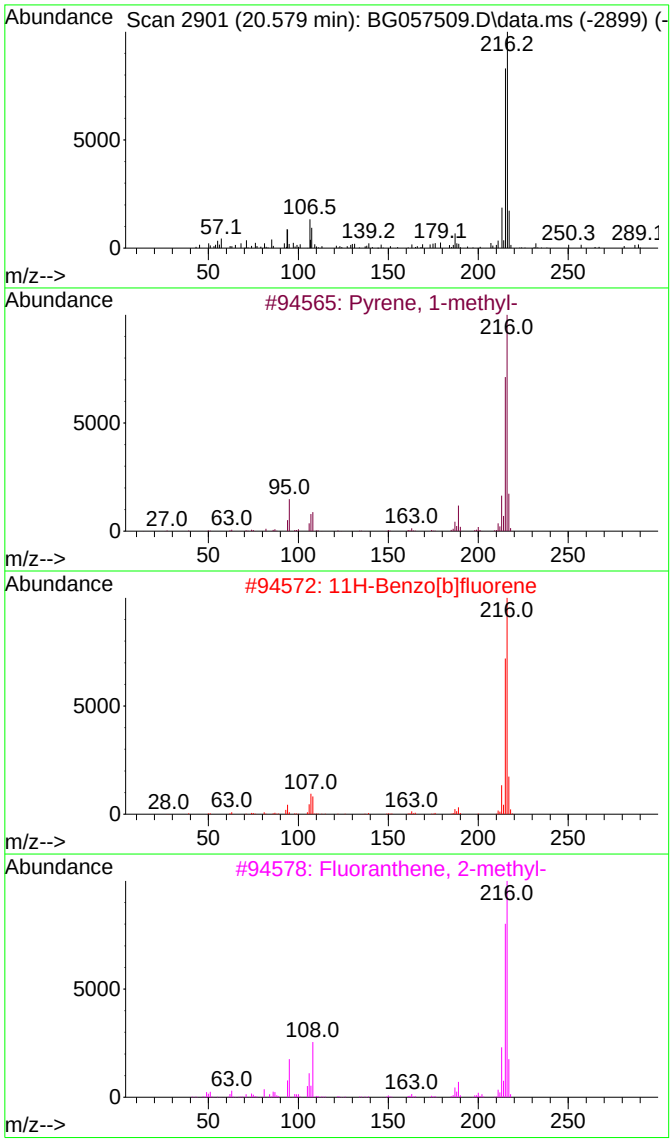
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

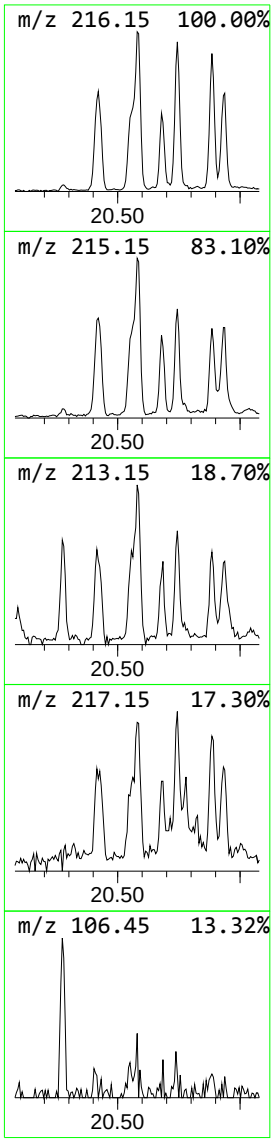
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.579	3.31 ng	116934	Chrysene-d12	22.019

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	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

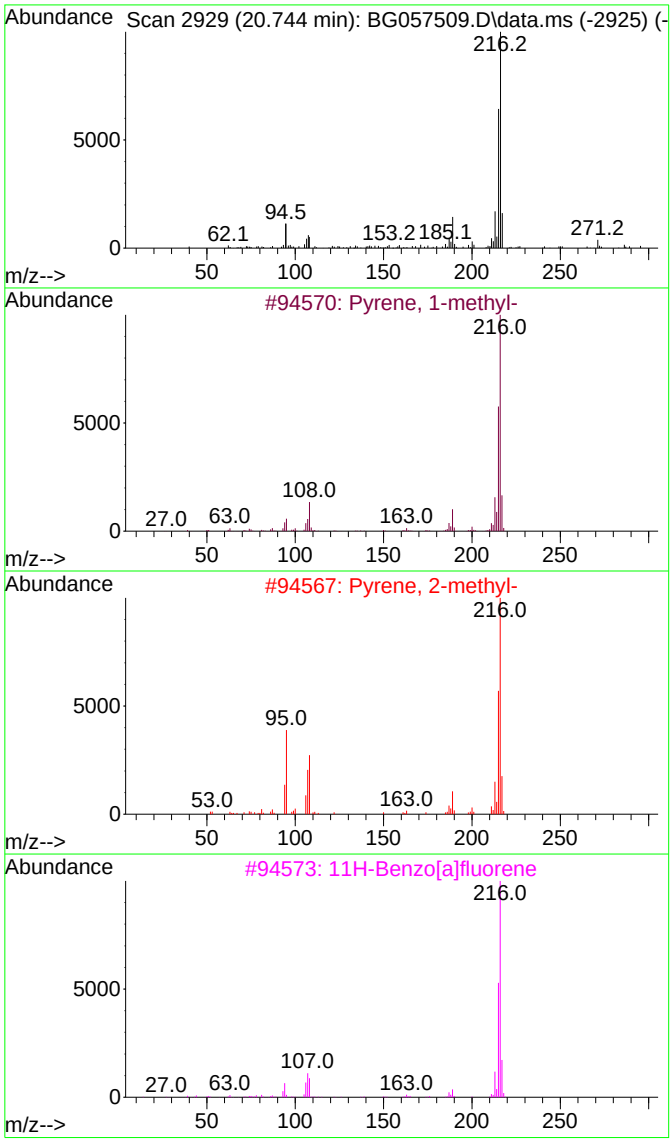
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

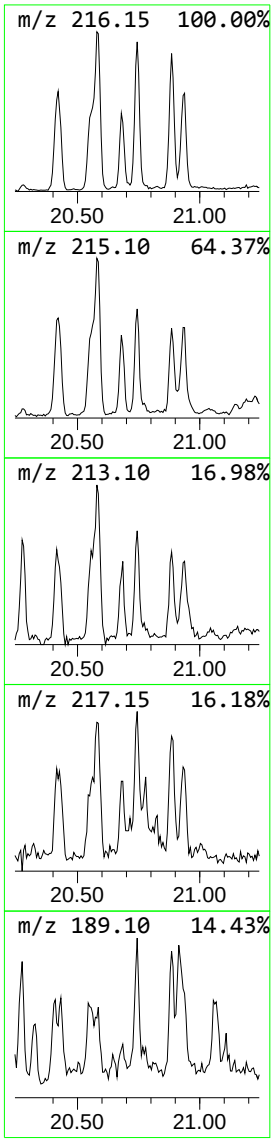
****

Peak Number 15 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.744	2.52 ng	88884	Chrysene-d12	22.019

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

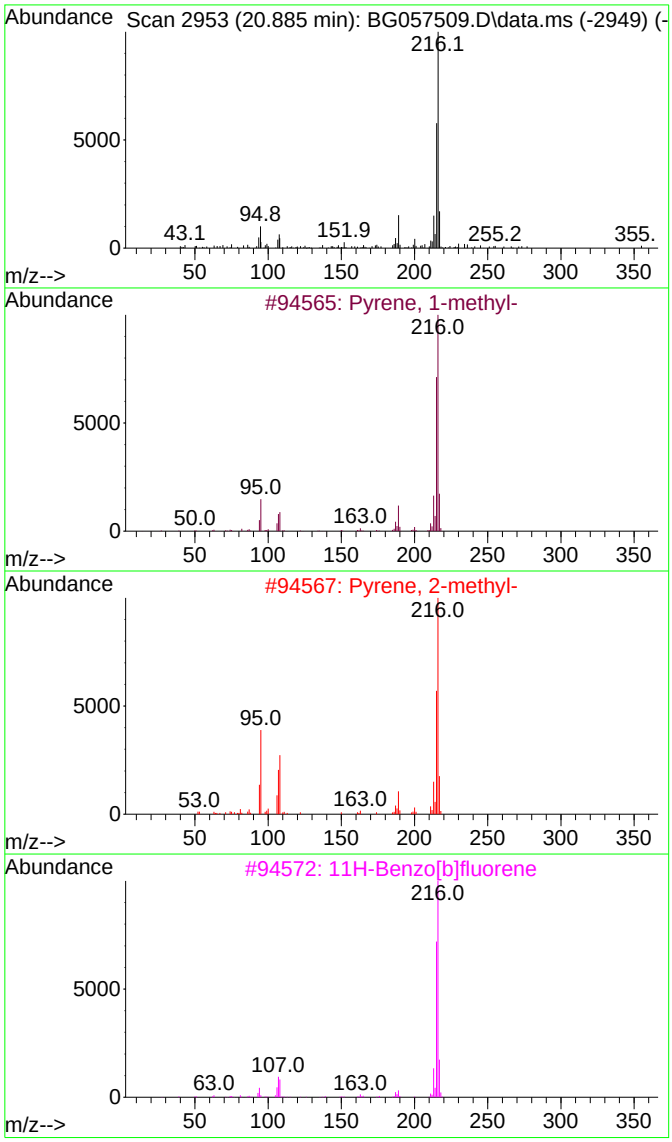
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

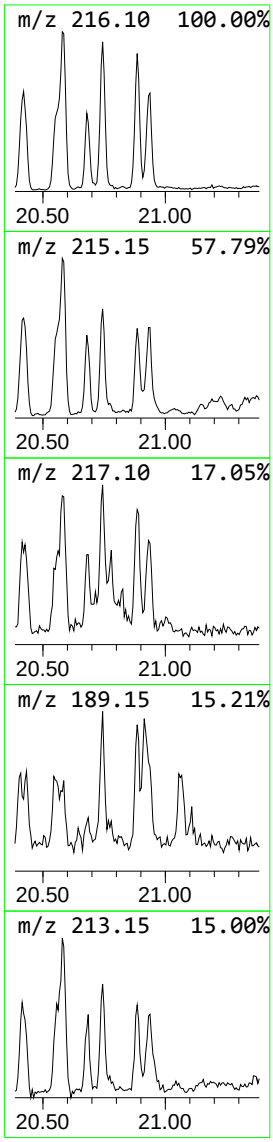
****

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.885	2.75 ng	97177	Chrysene-d12	22.019

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[b]fluorene	216	C17H12	000243-17-4	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

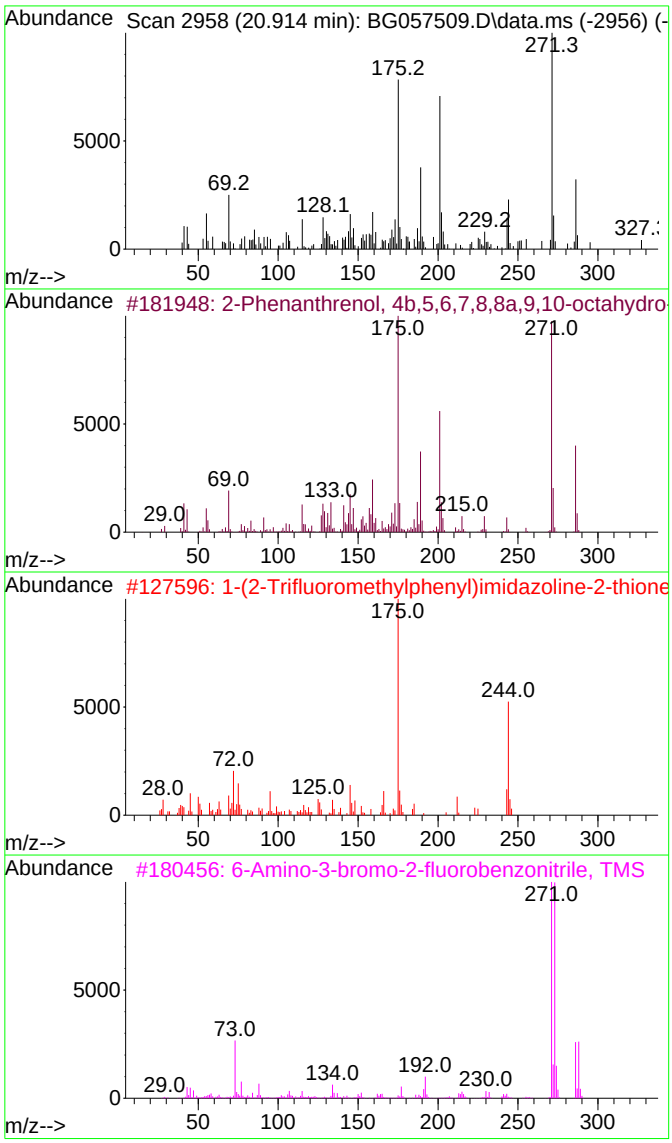
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

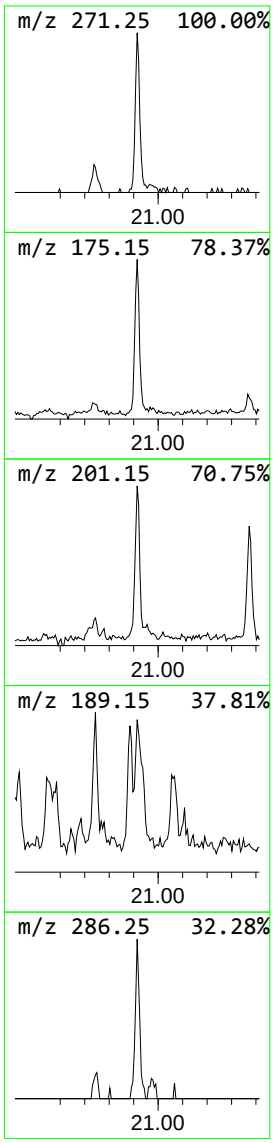
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.914	5.19 ng	183528	Chrysene-d12	22.019

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	91
2	1-(2-Trifluoromethylphenyl)imida...	244	C10H7F3N2S	025372-17-2	38
3	6-Amino-3-bromo-2-fluorobenzonit...	286	C10H12BrFN2Si	1000508-64-6	30
4	2,2-Bis(4'-methoxyphenyl)-2-etho...	286	C18H22O3	1000283-53-7	30
5	1-(5,7-dimethyl-1-vinyl-4,5,6,7-...	272	C13H15F3N2O	1000451-82-6	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

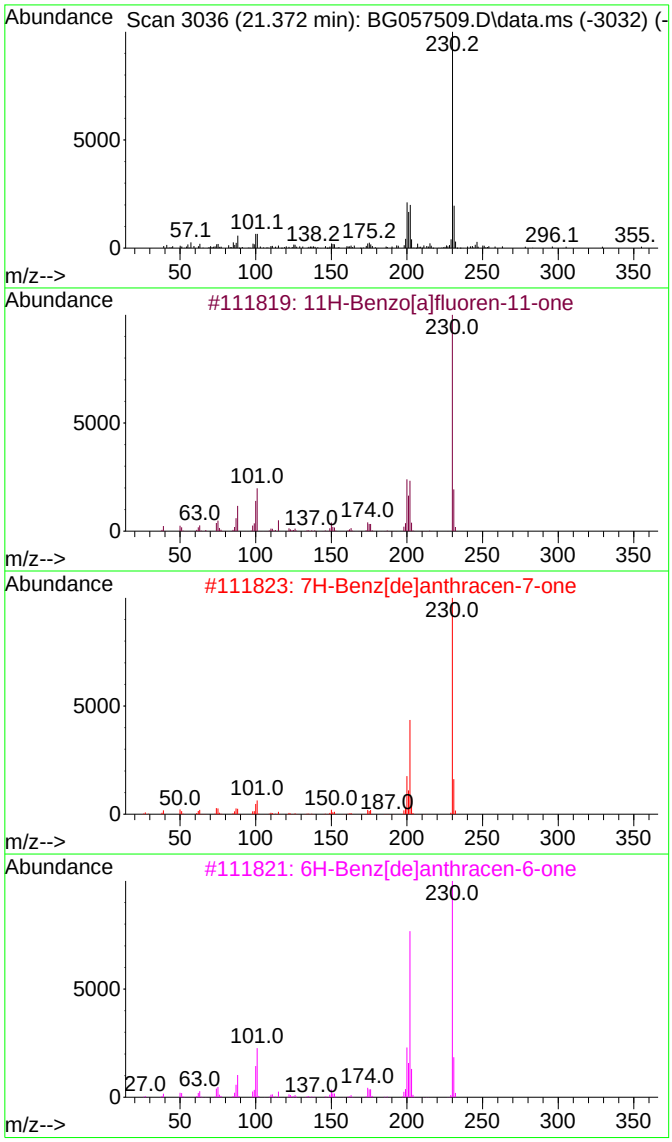
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

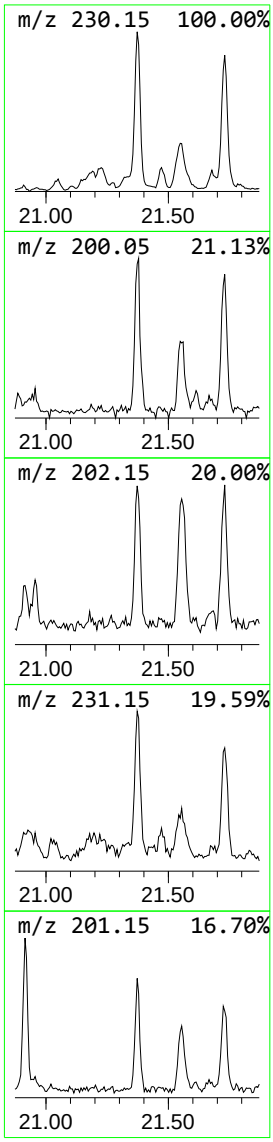
****

Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.372	3.19 ng	112827	Chrysene-d12	22.019

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	8-Hydroxyquinoline-5-carbaldehyd...	245	C13H15NO2Si	1010463-63-7	59
5	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

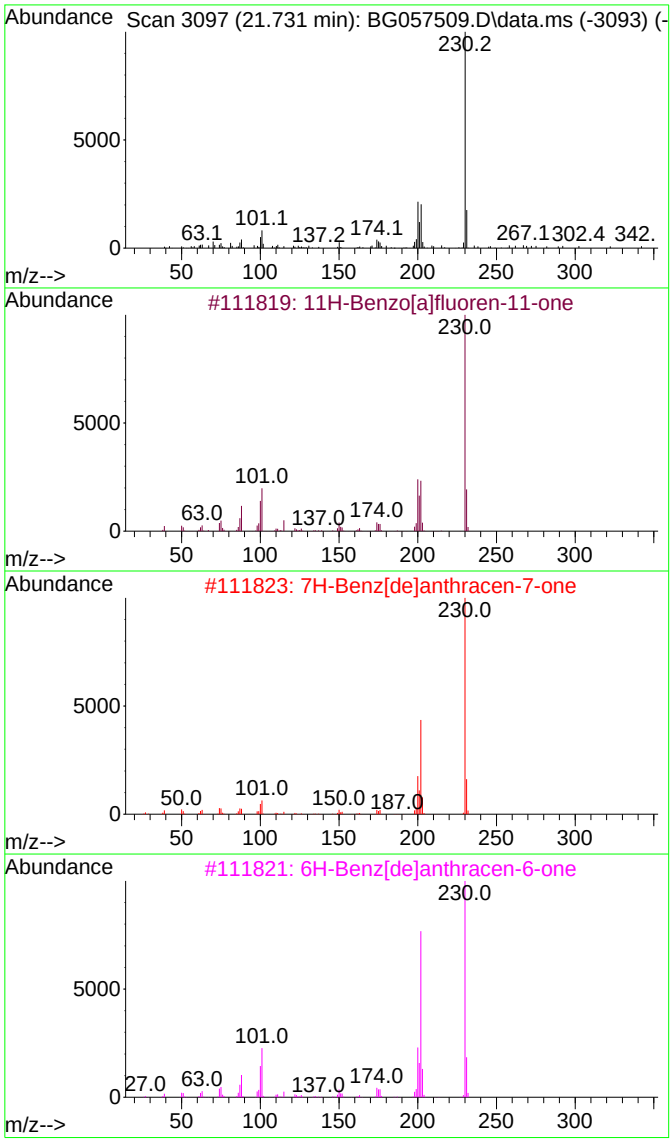
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

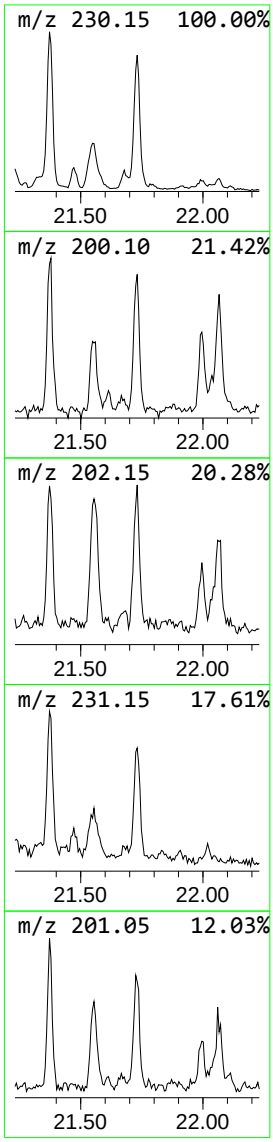
****

Peak Number 19 7H-Benz[de]anthracen-7-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.731	3.67 ng	129805	Chrysene-d12	22.019

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
5	2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

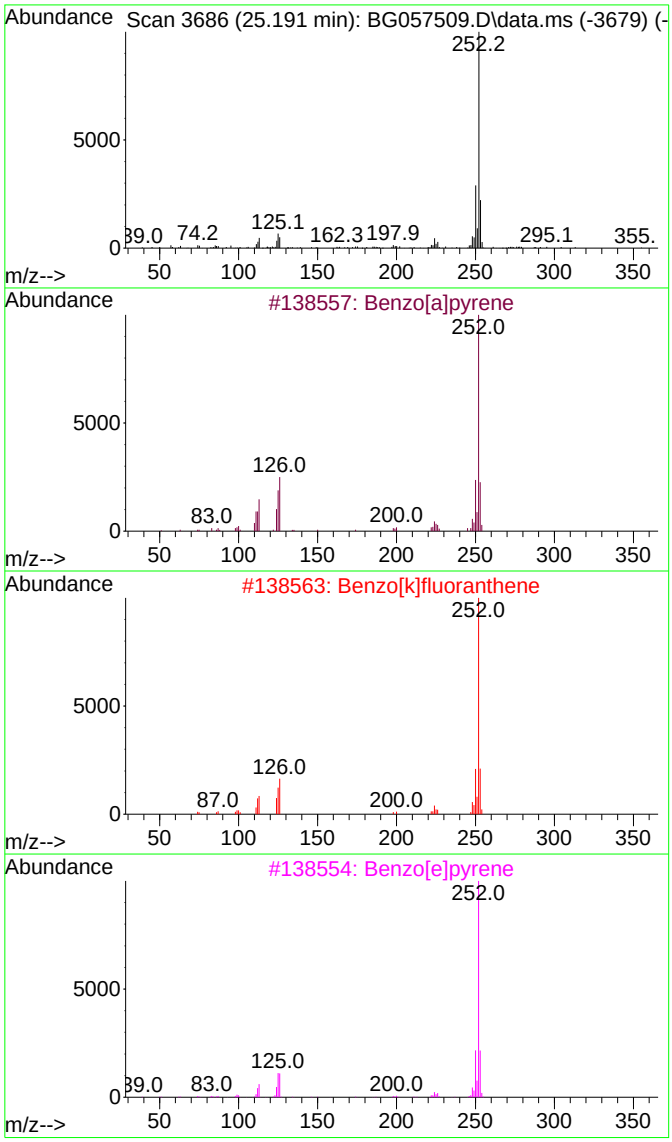
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

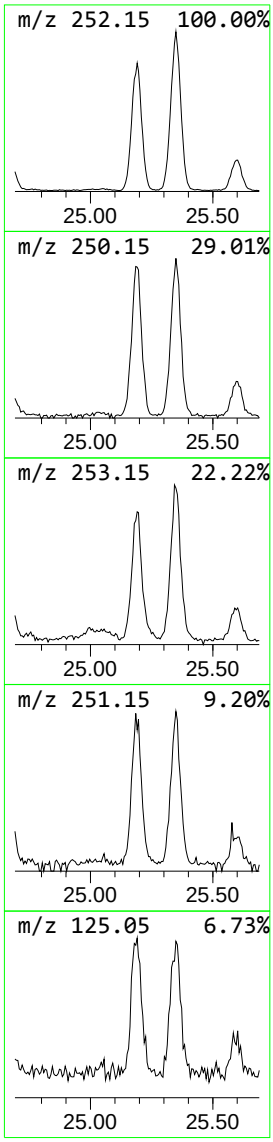
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.191	18.42 ng	260011	Perylene-d12	25.514

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	91
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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
3-Penten-2-one,...	4.765	6.0	ng	43185	1	8.355	144691	20.0
2-Pentanone, 4-...	5.388	8.8	ng	63693	1	8.355	144691	20.0
Benzophenone	16.303	5.2	ng	71465	3	14.969	275832	20.0
Phenanthrene, 1...	18.576	9.2	ng	158245	4	17.707	345739	20.0
1H-Cyclopropa[l...	18.623	8.1	ng	139515	4	17.707	345739	20.0
Anthracene, 1-m...	18.764	9.8	ng	170335	4	17.707	345739	20.0
Phenanthrene, 4...	18.805	4.9	ng	85054	4	17.707	345739	20.0
Naphthalene, 2-...	19.058	4.8	ng	83722	4	17.707	345739	20.0
9,10-Anthracene...	19.111	8.0	ng	138481	4	17.707	345739	20.0
Anthracene, 2-e...	19.299	3.8	ng	64969	4	17.707	345739	20.0
3,4-Dimethylphe...	19.469	8.0	ng	137611	4	17.707	345739	20.0
Cyclopenta(def)...	19.622	5.3	ng	92454	4	17.707	345739	20.0
11H-Benzo[a]flu...	20.415	4.2	ng	147340	5	22.019	706728	20.0
Pyrene, 1-methyl-	20.579	3.3	ng	116934	5	22.019	706728	20.0
Pyrene, 2-methyl-	20.744	2.5	ng	88884	5	22.019	706728	20.0
11H-Benzo[b]flu...	20.885	2.8	ng	97177	5	22.019	706728	20.0
2-Phenanthrenol...	20.914	5.2	ng	183528	5	22.019	706728	20.0
11H-Benzo[a]flu...	21.372	3.2	ng	112827	5	22.019	706728	20.0
7H-Benz[de]anth...	21.731	3.7	ng	129805	5	22.019	706728	20.0
Benzo[e]pyrene	25.191	18.4	ng	260011	6	25.514	282370	20.0