LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
Data File : BG049883.D
Acq On : 17 Aug 2021 18:31
Operator : CG/JU
Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-215

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-BG080321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG049883.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	11	16	22	rBV2	49101	82404	3.16%	0.295%
2	5.587	427	434	442	rBV	192582	329293	12.62%	1.180%
3	7.197	698	708	717	rBV	208002	377599	14.47%	1.353%
4	8.025	843	849	856	rBV	127753	223976	8.59%	0.802%
5	9.200	1041	1049	1056	rBV	132811	242688	9.30%	0.869%
6	10.845	1318	1329	1335	rBV	174544	332086	12.73%	1.190%
7	10.897	1335	1338	1349	rVB2	25392	40710	1.56%	0.146%
8	12.507	1605	1612	1622	rVB	31179	51578	1.98%	0.185%
9	12.724	1642	1649	1655	rBV2	29046	49436	1.89%	0.177%
10	13.294	1739	1746	1754	rBV	358377	575356	22.05%	2.061%
11	13.711	1810	1817	1826	rVB2	13043	33129	1.27%	0.119%
12	13.852	1832	1841	1849	rBV6	20621	53234	2.04%	0.191%
13	13.999	1859	1866	1872	rBV2	40232	77054	2.95%	0.276%
14	14.052	1872	1875	1880	rVV	26733	34245	1.31%	0.123%
15	14.234	1902	1906	1910	rBV2	20405	27721	1.06%	0.099%
16	14.404	1930	1935	1943	rVB	27890	47687	1.83%	0.171%
17	14.681	1972	1982	1988	rBV	268160	447622	17.16%	1.603%
18	14.745	1988	1993	1999	rVB	140711	221837	8.50%	0.795%
19	14.886	2009	2017	2026	rBV6	11651	32185	1.23%	0.115%
20	14.992	2026	2035	2042	rBV3	25861	54988	2.11%	0.197%
21	15.074	2044	2049	2056	rVB2	74379	130521	5.00%	0.468%
22	15.156	2056	2063	2067	rBV3	19646	32533	1.25%	0.117%
23	15.292	2077	2086	2091	rBV5	29659	73471	2.82%	0.263%
24	15.468	2107	2116	2119	rBV7	19959	52880	2.03%	0.189%
25	15.726	2153	2160	2170	rVB	136667	234936	9.01%	0.842%
26	15.820	2172	2176	2178	rBV3	21408	30664	1.18%	0.110%
27	15.850	2178	2181	2185	rVV2	25567	38879	1.49%	0.139%
28	15.891	2185	2188	2192	rVB3	31791	42258	1.62%	0.151%
29	16.020	2206	2210	2217	rVB	54808	94344	3.62%	0.338%
30	16.173	2231	2236	2243	rVB2	332984	541148	20.74%	1.938%
31	16.402	2271	2275	2280	rVB5	26109	42856	1.64%	0.154%
32	16.713	2318	2328	2329	rBV5	36389	64997	2.49%	0.233%
33	16.737	2329	2332	2336	rVV3	44972	69972	2.68%	0.251%
34	16.784	2336	2340	2345	rVB4	22452	39314	1.51%	0.141%
35	16.883	2354	2357	2361	rVB3	30230	43956	1.68%	0.157%
36	16.960	2361	2370	2374	rBV5	45143	116175	4.45%	0.416%

LSC Area Percent Report

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Acq On : 17 Aug 2021 18:31
Operator : CG/JU
Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-215

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-BG080321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.001	2374	2377	2385	rVV4	48181	97211	3.73%	0.348%
38	17.083	2388	2391	2398	rVV2	45329	78456	3.01%	0.281%
39	17.160	2399	2404	2415	rVV4	46931	134476	5.15%	0.482%
40	17.254	2415	2420	2427	rVB	82356	132331	5.07%	0.474%
41	17.436	2445	2451	2454	rBV	292096	478673	18.35%	1.715%
42	17.477	2454	2458	2465	rVV	1160701	1832601	70.24%	6.565%
43	17.565	2465	2473	2479	rVV	328425	530798	20.35%	1.901%
44	17.624	2479	2483	2488	rVB3	34395	59915	2.30%	0.215%
45	17.706	2493	2497	2500	rBV5	16911	27080	1.04%	0.097%
46	17.835	2509	2519	2524	rBV2	83250	198684	7.62%	0.712%
47	17.947	2535	2538	2543	rBV2	30838	37336	1.43%	0.134%
48	18.017	2545	2550	2554	rBV4	24080	41048	1.57%	0.147%
49	18.311	2591	2600	2604	rBV	190622	329972	12.65%	1.182%
50	18.358	2604	2608	2615	rVB	256561	395731	15.17%	1.418%
51	18.440	2615	2622	2627	rBV	148130	238411	9.14%	0.854%
52	18.511	2627	2634	2638	rBV3	292930	598102	22.93%	2.143%
53	18.540	2638	2639	2645	rVB	138034	145128	5.56%	0.520%
54	18.611	2647	2651	2655	rVB5	26010	41280	1.58%	0.148%
55	18.652	2656	2658	2663	rBV4	19986	27336	1.05%	0.098%
56	18.804	2679	2684	2689	rBV	143812	198871	7.62%	0.712%
57	18.857	2689	2693	2698	rVV	69138	97958	3.75%	0.351%
58	18.934	2702	2706	2711	rBV3	20029	30889	1.18%	0.111%
59	19.051	2723	2726	2731	rVB3	49291	60908	2.33%	0.218%
60	19.104	2732	2735	2737	rVV2	38811	46080	1.77%	0.165%
61	19.139	2738	2741	2745	rVB3	43382	55552	2.13%	0.199%
62	19.221	2750	2755	2761	rBV3	121334	238151	9.13%	0.853%
63	19.292	2764	2767	2769	rBV3	38330	45092	1.73%	0.162%
64	19.368	2776	2780	2789	rVB4	73686	157197	6.03%	0.563%
65	19.498	2795	2802	2807	rBV	1716850	2608891	100.00%	9.346%
66	19.539	2807	2809	2813	rVV3	45646	63298	2.43%	0.227%
67	19.586	2813	2817	2821	rVB2	61689	85314	3.27%	0.306%
68	19.733	2839	2842	2845	rBV	49632	55513	2.13%	0.199%
69	19.821	2852	2857	2859	rBV2	355464	562166	21.55%	2.014%
70	19.856	2859	2863	2870	rVV	1465584	2229693	85.47%	7.987%
71	19.921	2870	2874	2881	rVB3	120994	203464	7.80%	0.729%
72	20.038	2888	2894	2899	rBV2	553551	854863	32.77%	3.062%
73	20.097	2900	2904	2909	rVB	93481	144630	5.54%	0.518%
74	20.173	2911	2917	2924	rBV4	134110	360824	13.83%	1.293%
75	20.343	2934	2946	2951	rBV	302541	671231	25.73%	2.404%
76	20.443	2958	2963	2966	rBV	208734	296665	11.37%	1.063%

LSC Area Percent Report

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Acq On : 17 Aug 2021 18:31
Operator : CG/JU
Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-215

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

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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.502	2967	2973	2977	rVB2	162826	311850	11.95%	1.117%
78	20.578	2983	2986	2991	rVB3	44823	67355	2.58%	0.241%
79	20.643	2993	2997	3000	rVV	115409	166721	6.39%	0.597%
80	20.690	3001	3005	3016	rVB	119302	215050	8.24%	0.770%
81	21.107	3073	3076	3084	rVB	121399	196097	7.52%	0.702%
82	21.295	3104	3108	3111	rBV4	87601	126720	4.86%	0.454%
83	21.336	3112	3115	3120	rVB	169861	232796	8.92%	0.834%
84	21.389	3120	3124	3129	rBV2	118219	200046	7.67%	0.717%
85	21.706	3172	3178	3185	rBV3	833349	1849873	70.91%	6.627%
86	21.771	3185	3189	3199	rVB	711710	1206251	46.24%	4.321%
87	21.924	3211	3215	3220	rVB	103193	151570	5.81%	0.543%
88	22.458	3303	3306	3311	rVB	127857	213187	8.17%	0.764%
89	23.968	3554	3563	3570	rBV	404646	1410450	54.06%	5.052%
90	24.702	3681	3688	3702	rVB	236430	769732	29.50%	2.757%
91	24.849	3706	3713	3724	rVB	374213	1076098	41.25%	3.855%
92	25.008	3734	3740	3746	rVB2	109851	246550	9.45%	0.883%

Sum of corrected areas: 27915897

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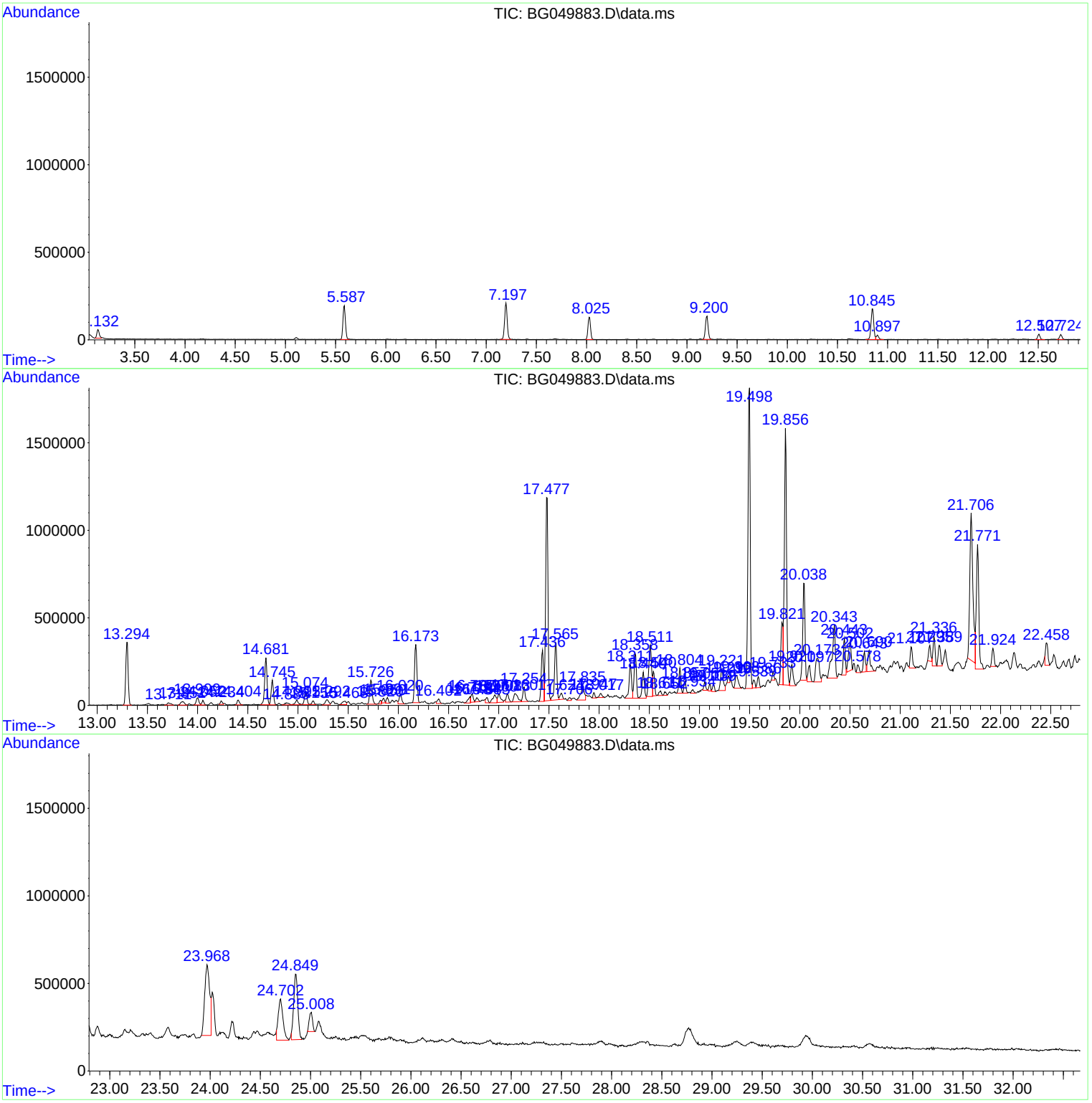
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-215

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.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\BG081721\
Data File : BG049883.D
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Sample : M3388-01 2X
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Instrument : BNA_G
ClientSampleId : VNJ-215

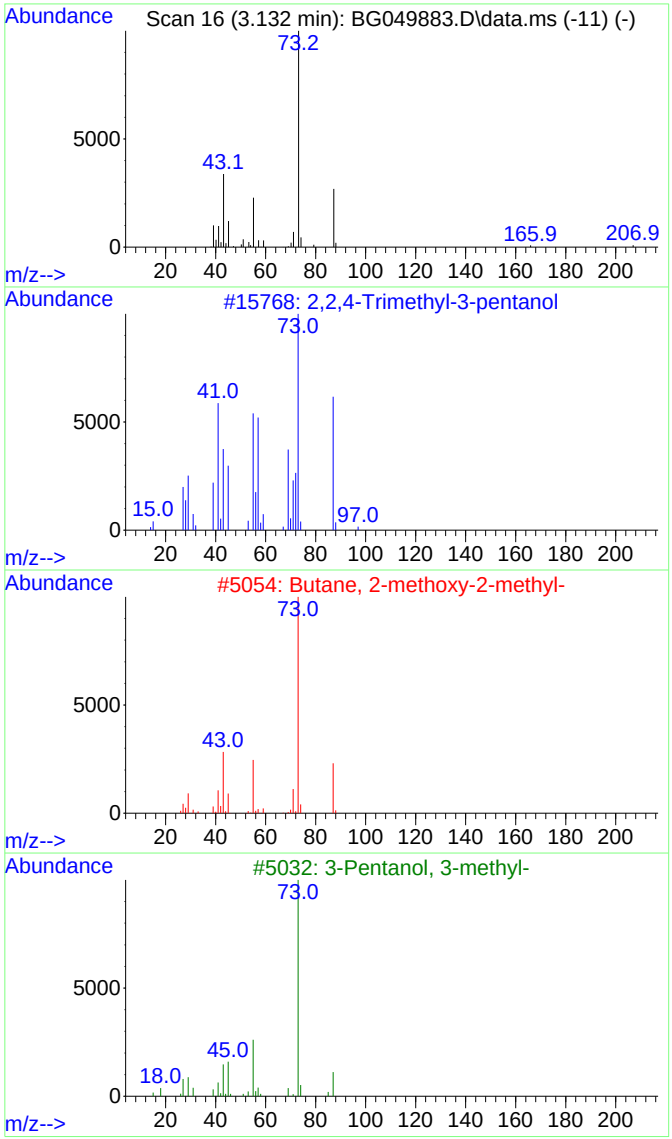
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

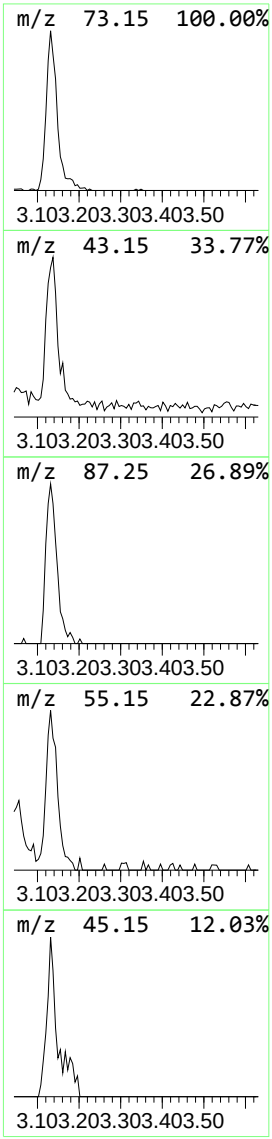
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2,2,4-Trimethyl-3-pentanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.132	7.36 ng	82404	1,4-Dichlorobenzene-d4	8.031

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	56
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	45
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	25
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	23
5	1,3-Dioxolane, 2-(1-methylethyl)-	116	C6H12O2	000822-83-3	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
Data File : BG049883.D
Acq On : 17 Aug 2021 18:31
Operator : CG/JU
Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-215

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

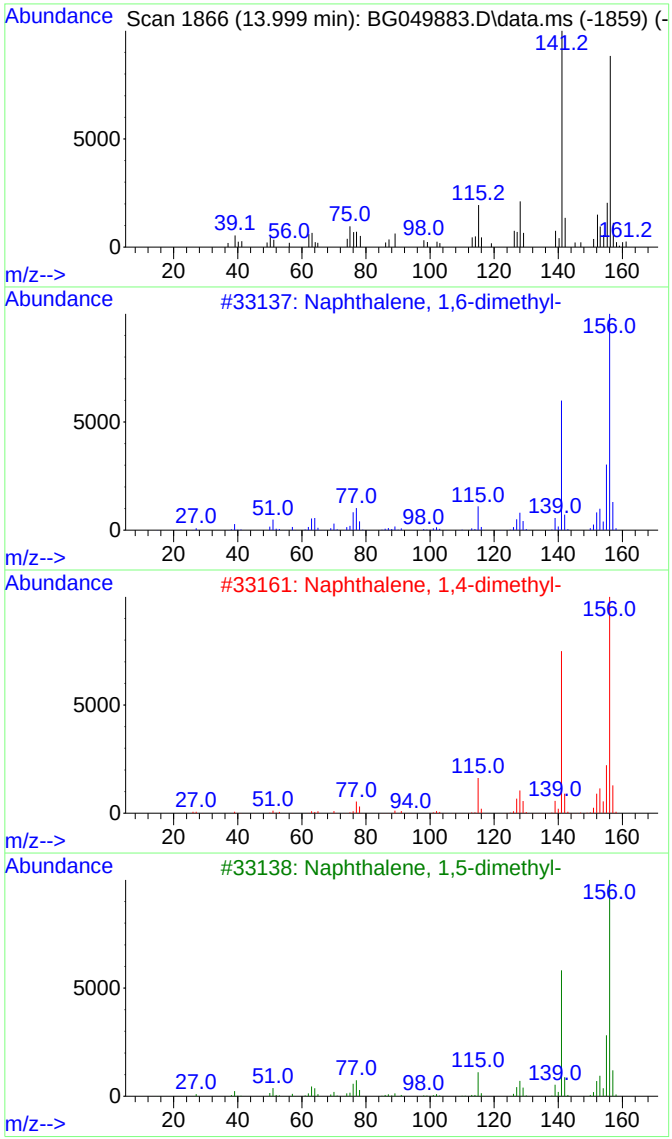
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

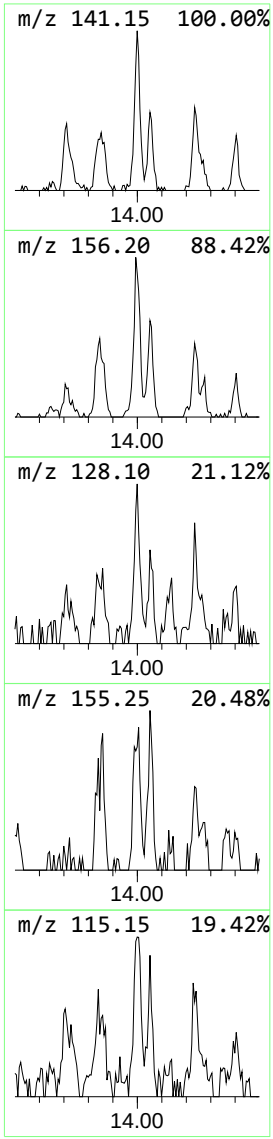
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	3.44 ng	77054	Acenaphthene-d10	14.681

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
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Acq On : 17 Aug 2021 18:31
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Misc :
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Instrument : BNA_G
ClientSampleId : VNJ-215

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

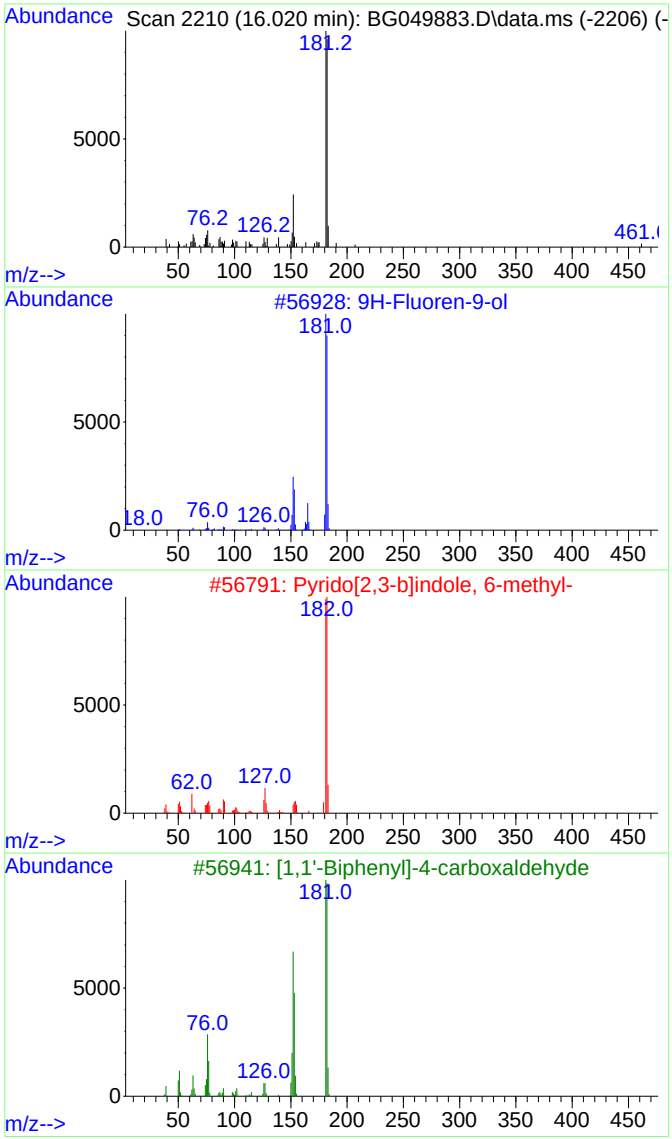
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

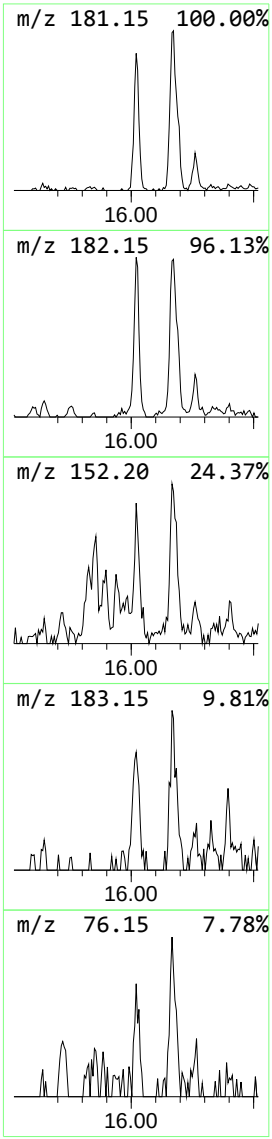
****

Peak Number 3 9H-Fluoren-9-ol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.020	4.22 ng	94344	Acenaphthene-d10	14.681

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
2	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
4	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64
5	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
Data File : BG049883.D
Acq On : 17 Aug 2021 18:31
Operator : CG/JU
Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-215

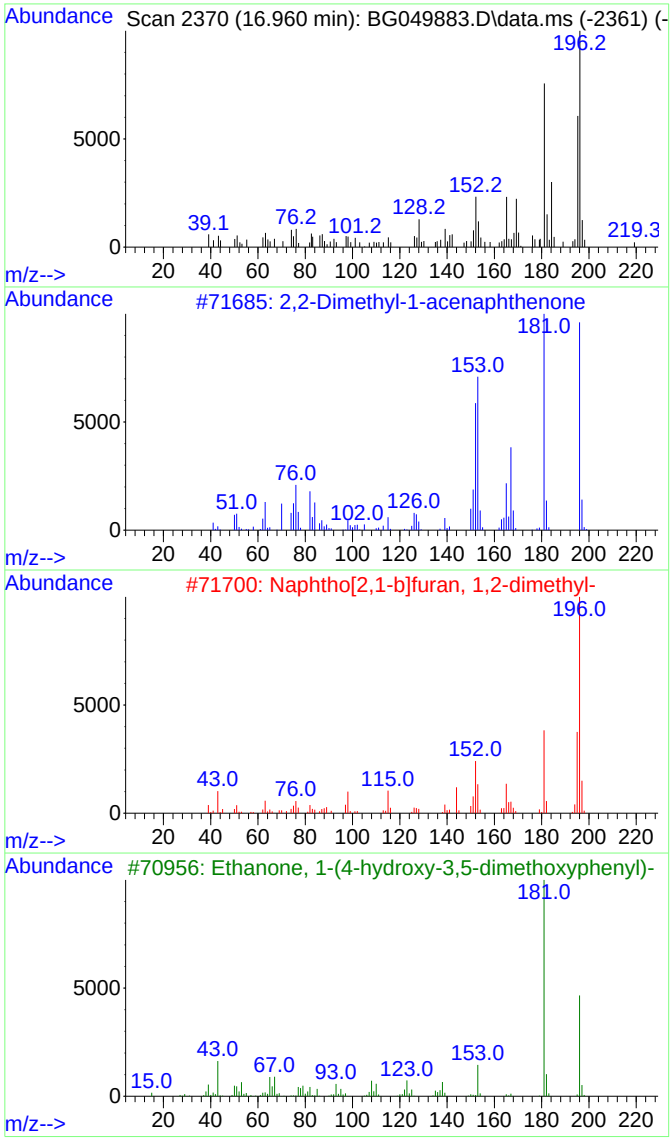
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

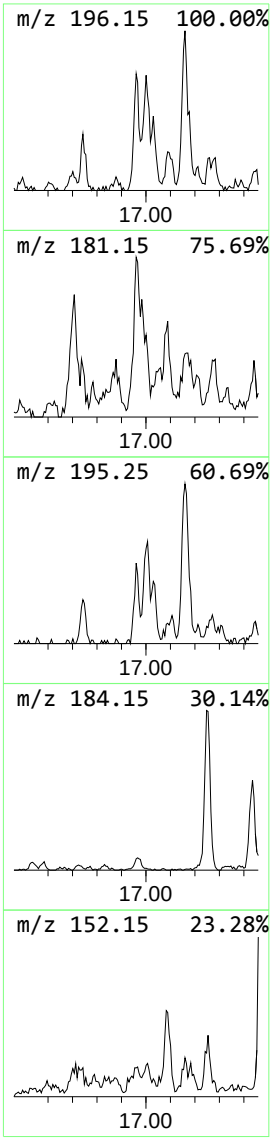
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2,2-Dimethyl-1-acenaphthenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.960	4.85 ng	116175	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	83
2	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	49
3	Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	46
4	Xanthoxylin	196	C10H12O4	000090-24-4	46
5	4,7-Dimethoxy-5-methyl-1,3-benzo...	196	C10H12O4	165816-66-0	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
Data File : BG049883.D
Acq On : 17 Aug 2021 18:31
Operator : CG/JU
Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-215

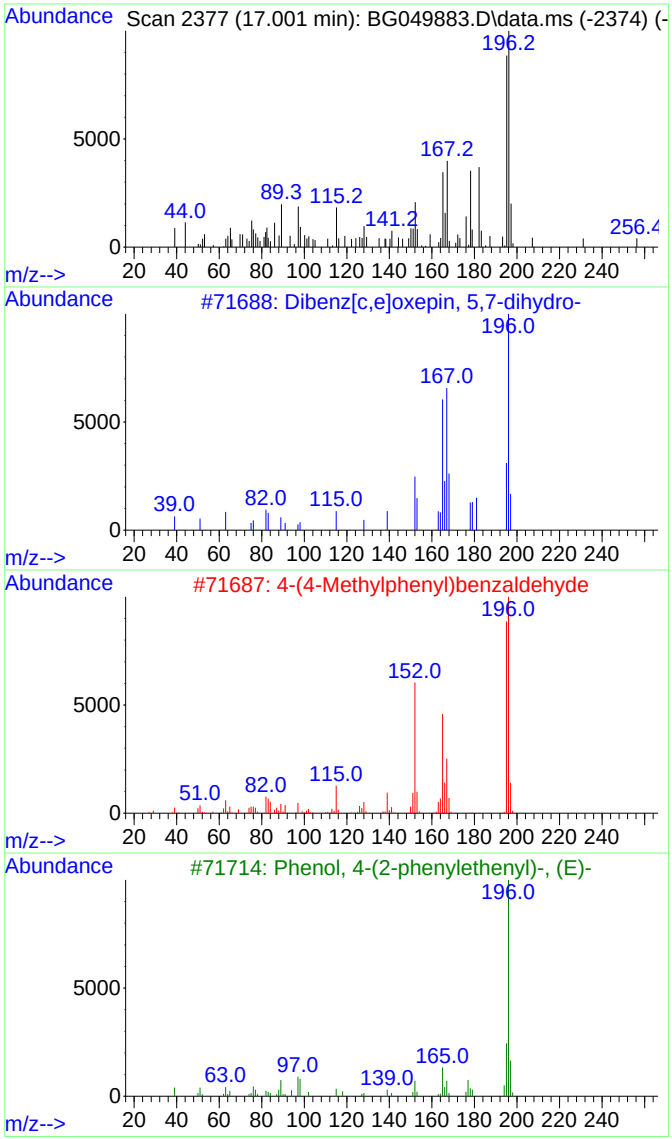
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

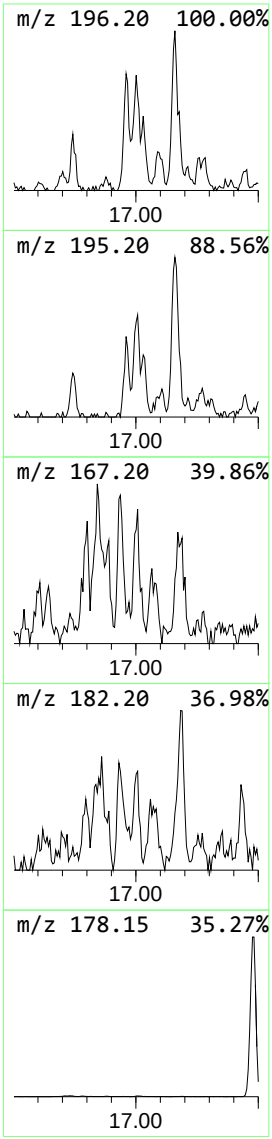
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Dibenz[c,e]oxepin, 5,7-dihy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.001	4.06 ng	97211	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	83
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	60
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	55
4	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	49
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
Data File : BG049883.D
Acq On : 17 Aug 2021 18:31
Operator : CG/JU
Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-215

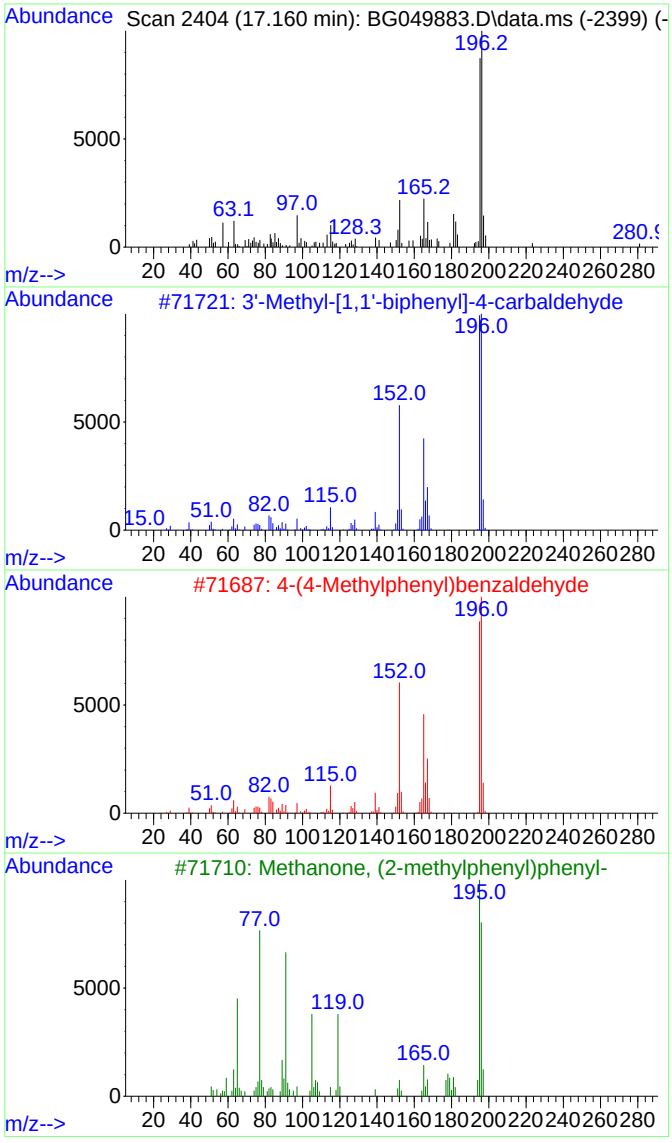
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

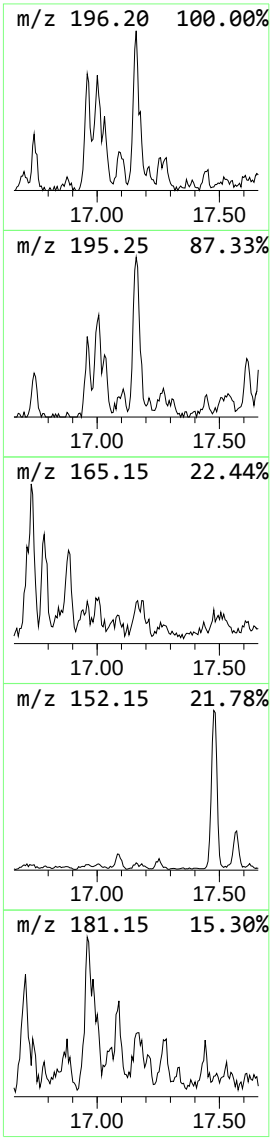
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.160	5.62 ng	134476	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	91
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	87
3	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	64
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	47





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Operator : CG/JU
Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-215

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

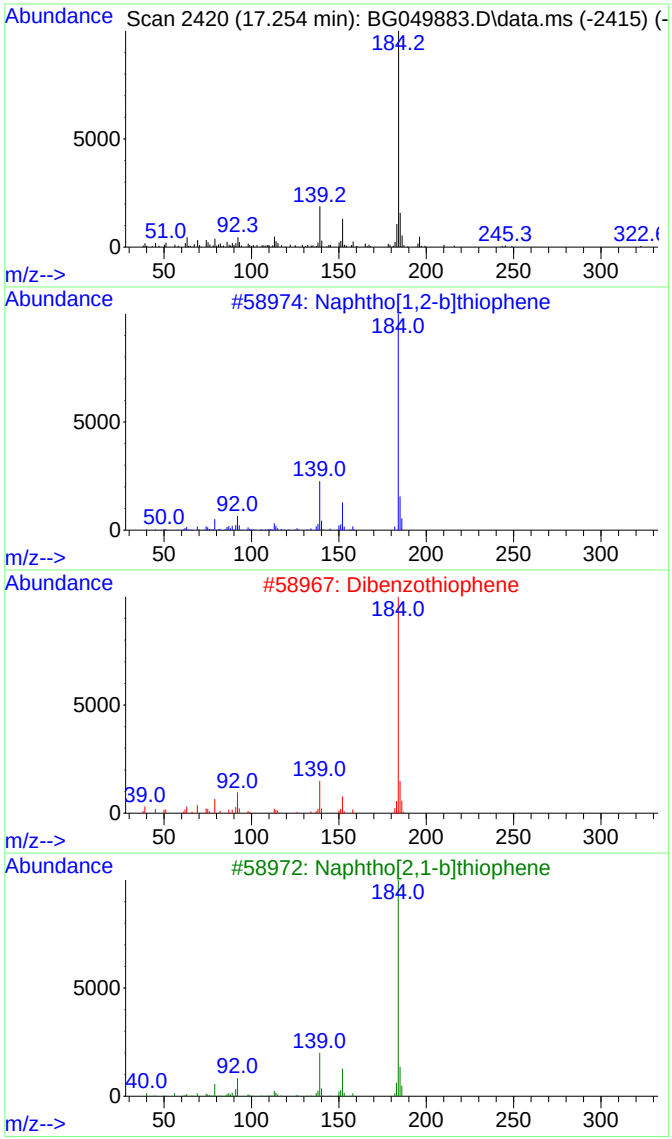
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

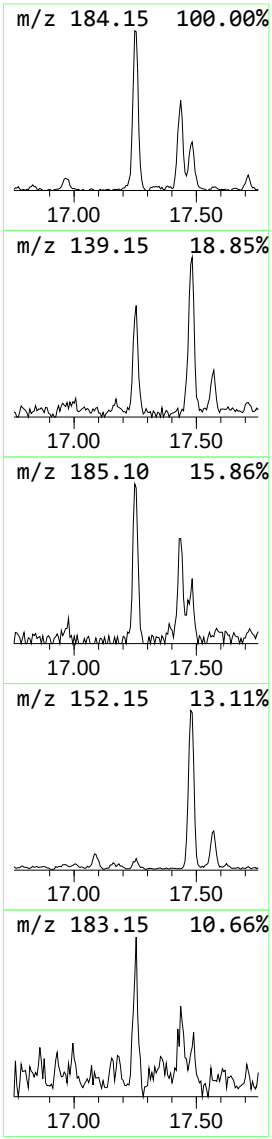
****

Peak Number 7 Naphtho[1,2-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.254	5.53 ng	132331	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87





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Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-215

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

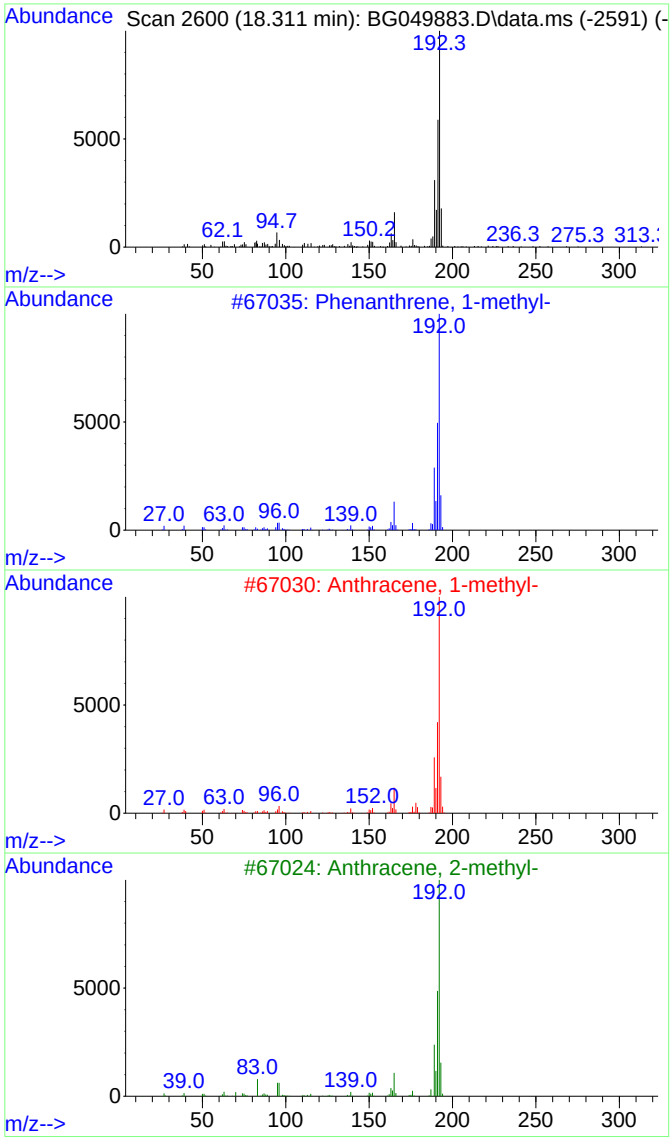
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

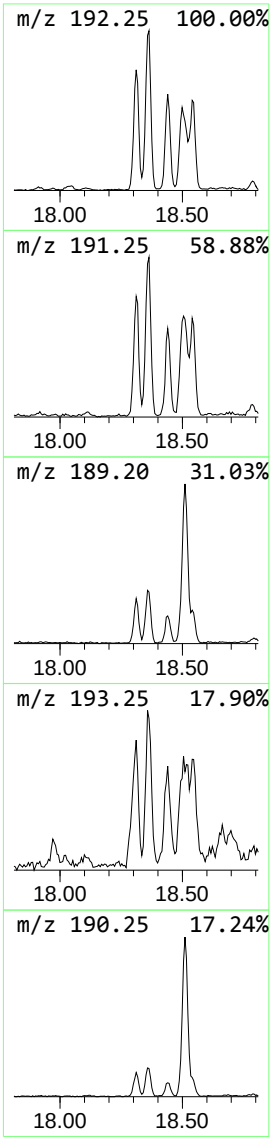
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.311	13.79 ng	329972	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Operator : CG/JU
Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-215

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

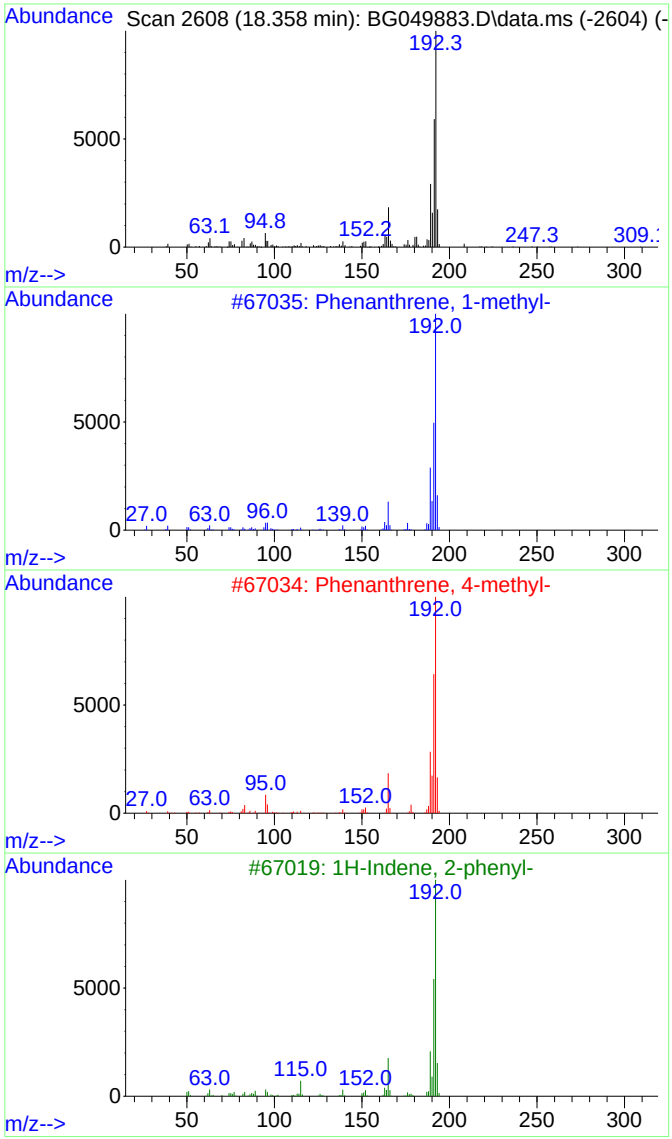
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

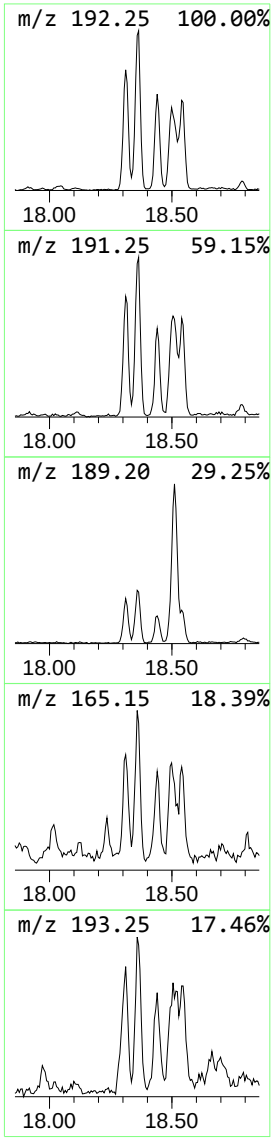
****

Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.358	16.53 ng	395731	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VNJ-215

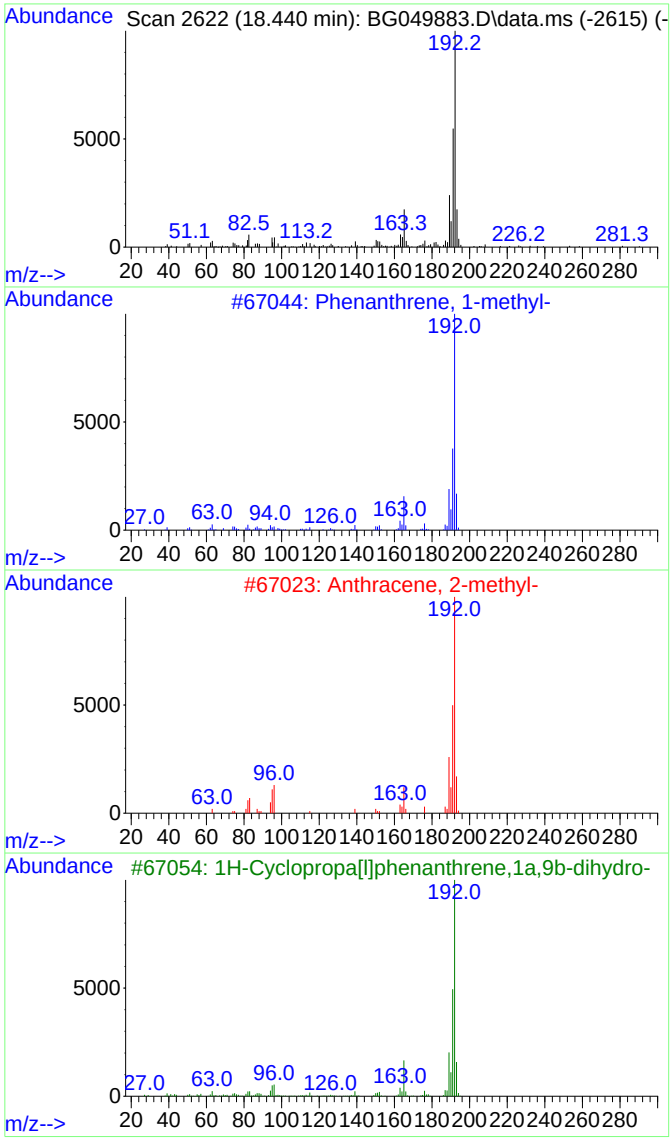
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

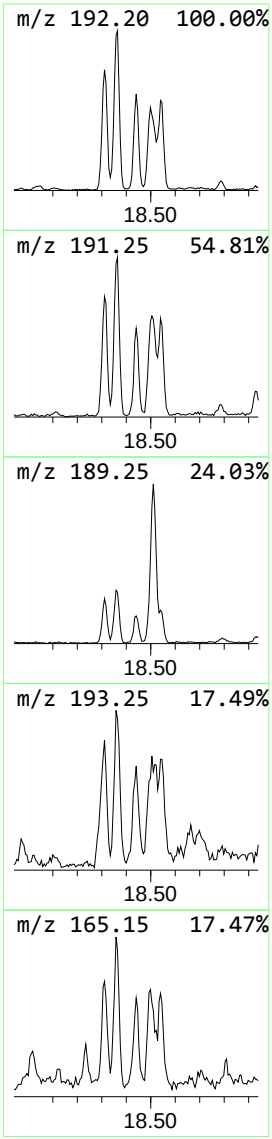
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.440	9.96 ng	238411	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Operator : CG/JU
Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VNJ-215

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

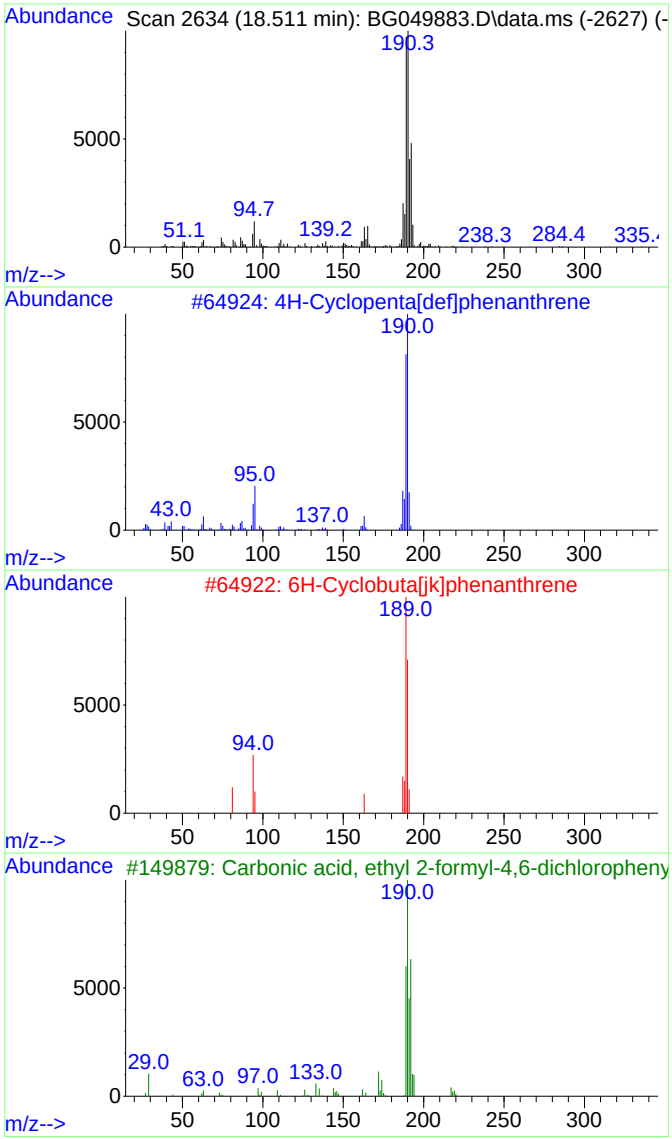
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

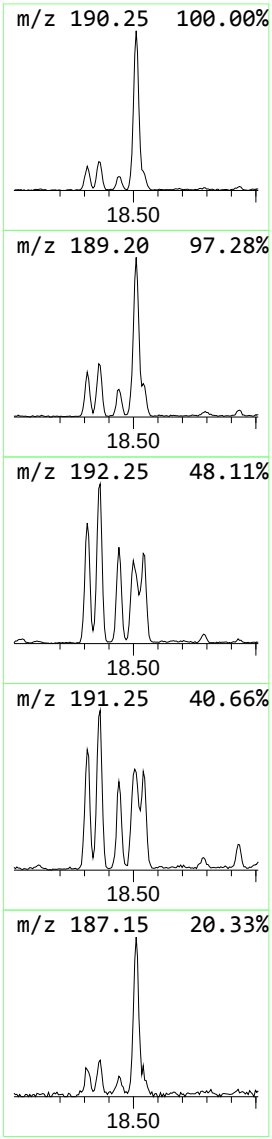
****

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.511	24.99 ng	598102	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
5	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	35





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Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-215

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

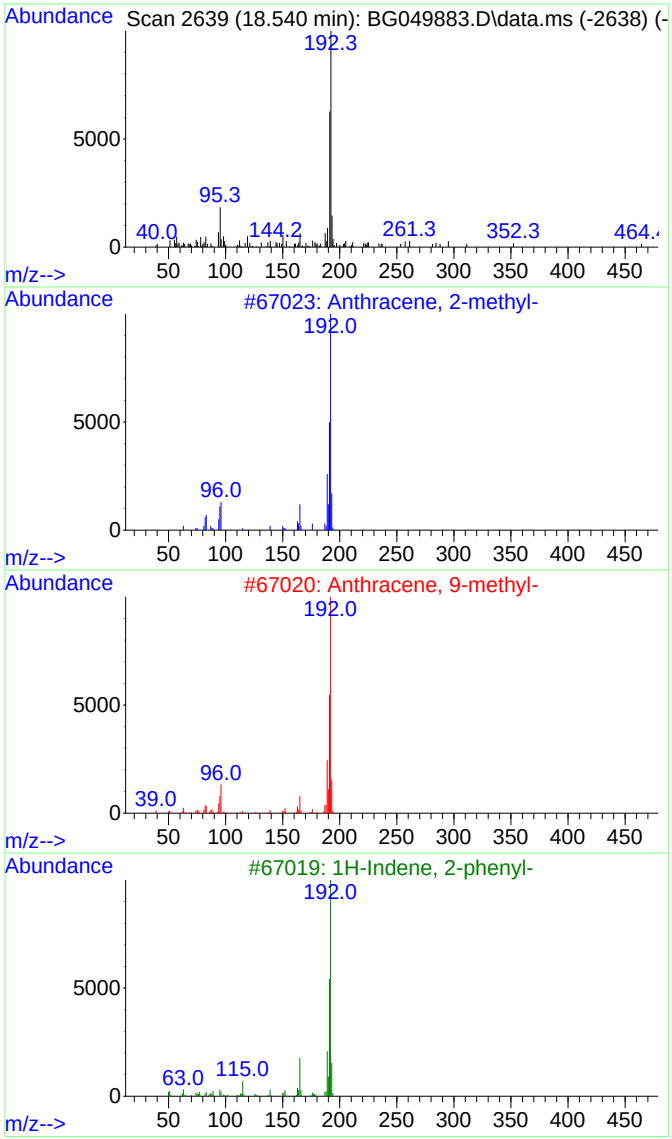
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

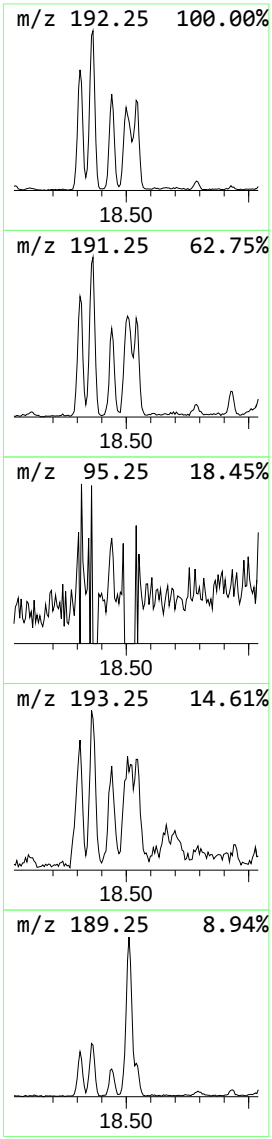
****

Peak Number 12 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.540	6.06 ng	145128	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	80
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80





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Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

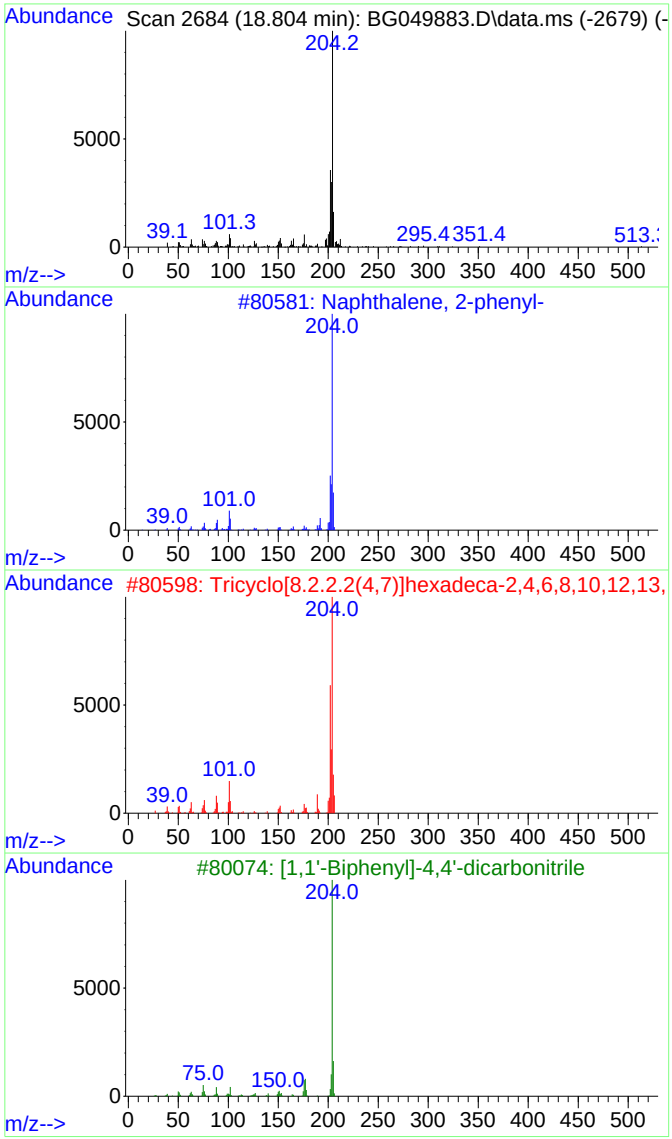
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

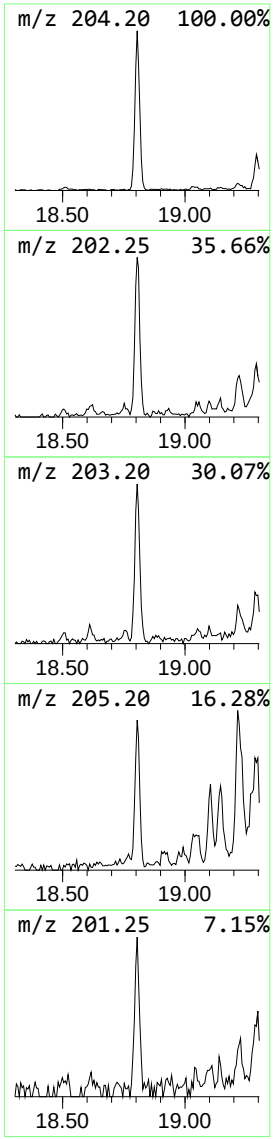
****

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.804	8.31 ng	198871	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	60
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	49





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Misc :
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Instrument : BNA_G
ClientSampleId : VNJ-215

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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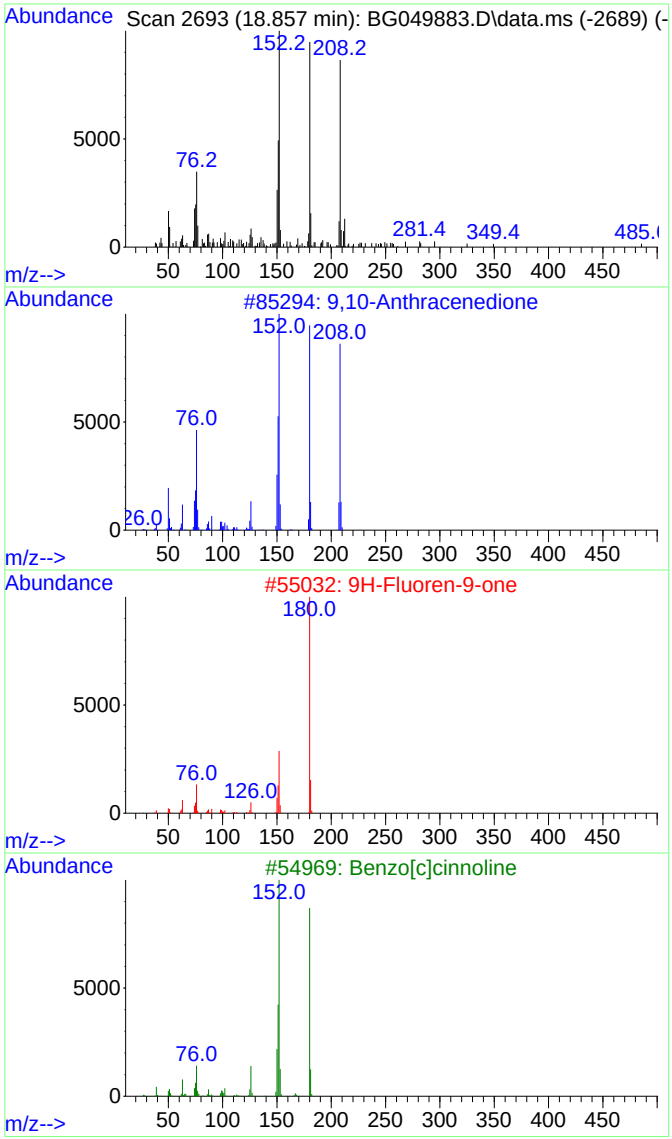
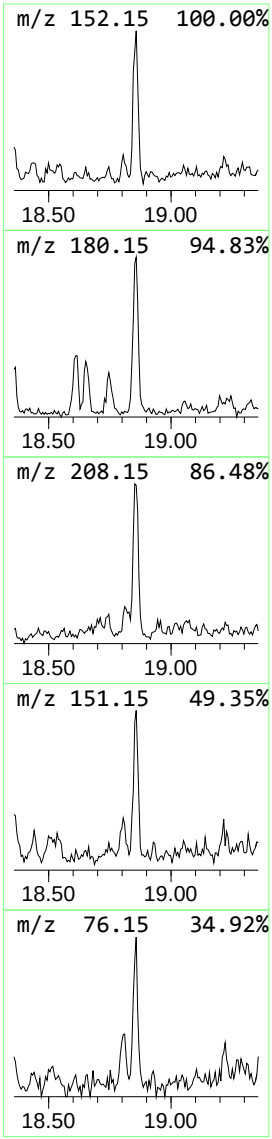
****

Peak Number 14 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.857	4.09 ng	97958	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
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	46
5	1-Phenylbicyclo(3.2.2)nona-3,6,8...	208	C15H12O	1010427-19-9	43





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Misc :
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ClientSampleId : VNJ-215

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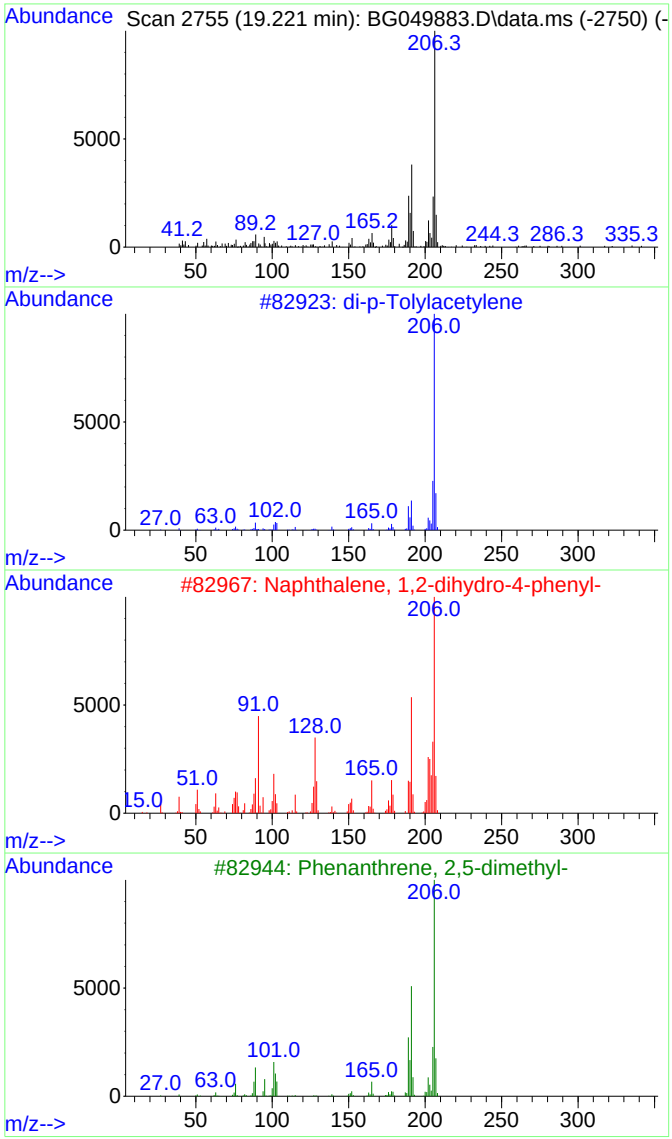
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

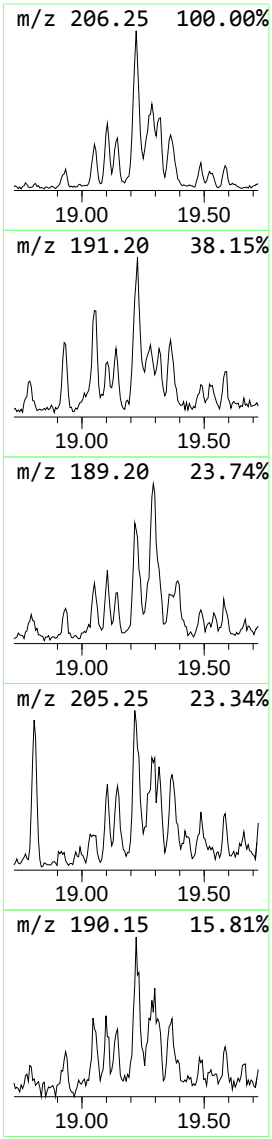
****

Peak Number 15 di-p-Tolylacetylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.221	9.95 ng	238151	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93





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Instrument : BNA_G
ClientSampleId : VNJ-215

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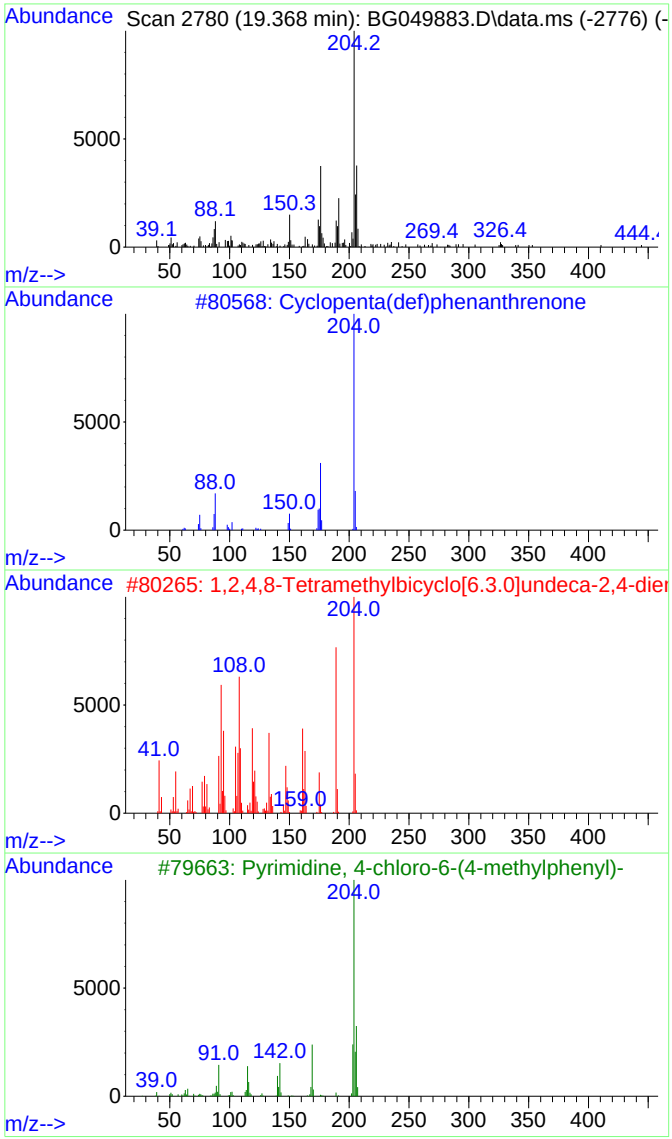
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

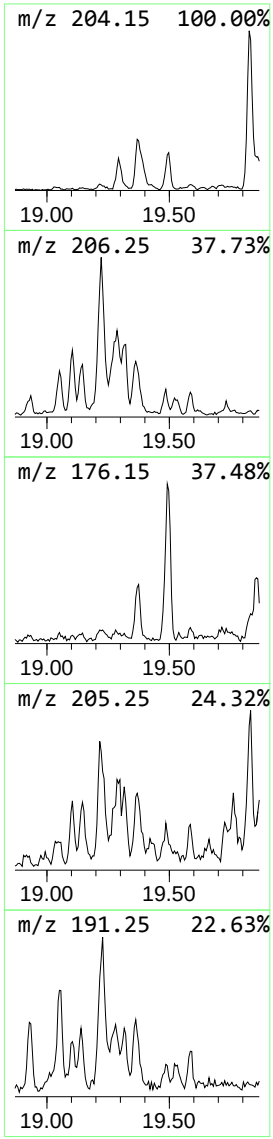
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.368	6.57 ng	157197	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
3	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	47
4	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	46
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46





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Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-215

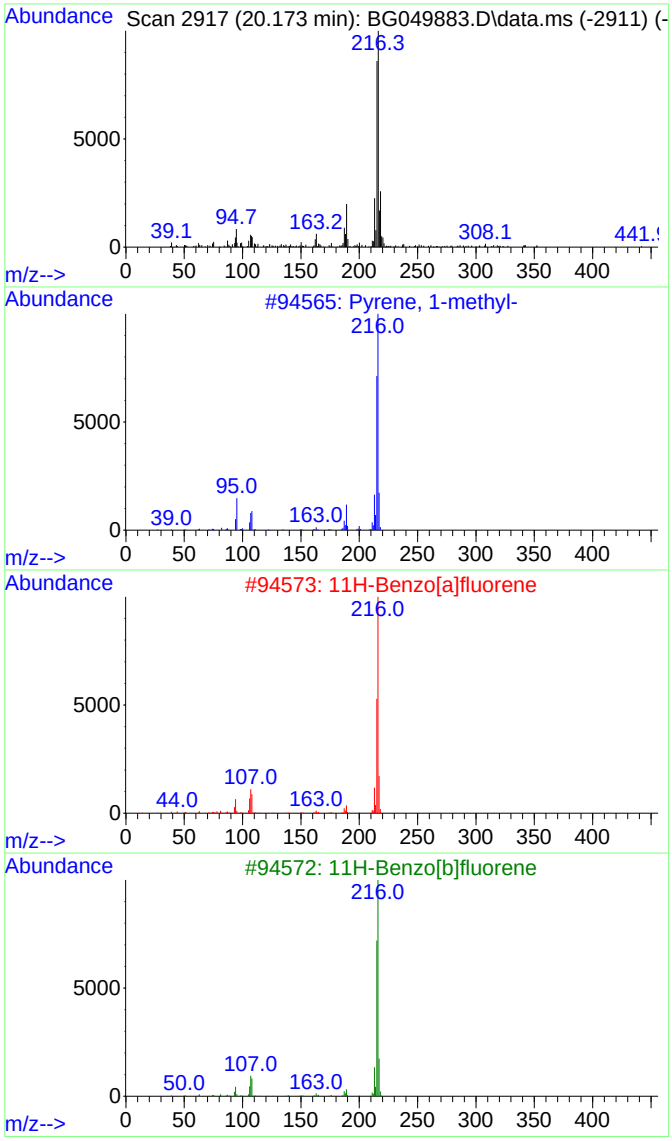
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

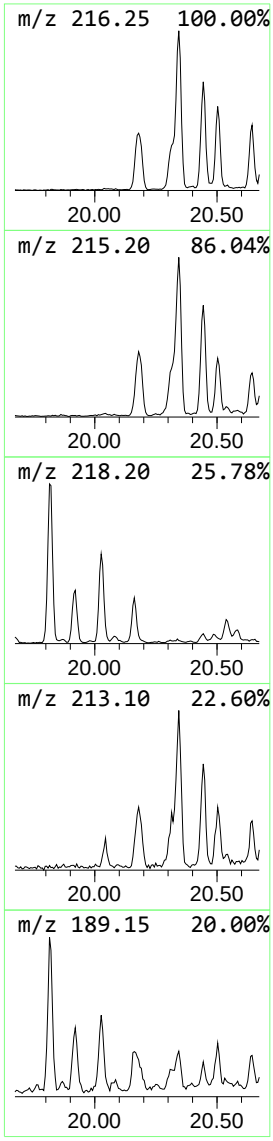
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.173	3.90 ng	360824	Chrysene-d12	21.724

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
Data File : BG049883.D
Acq On : 17 Aug 2021 18:31
Operator : CG/JU
Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-215

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

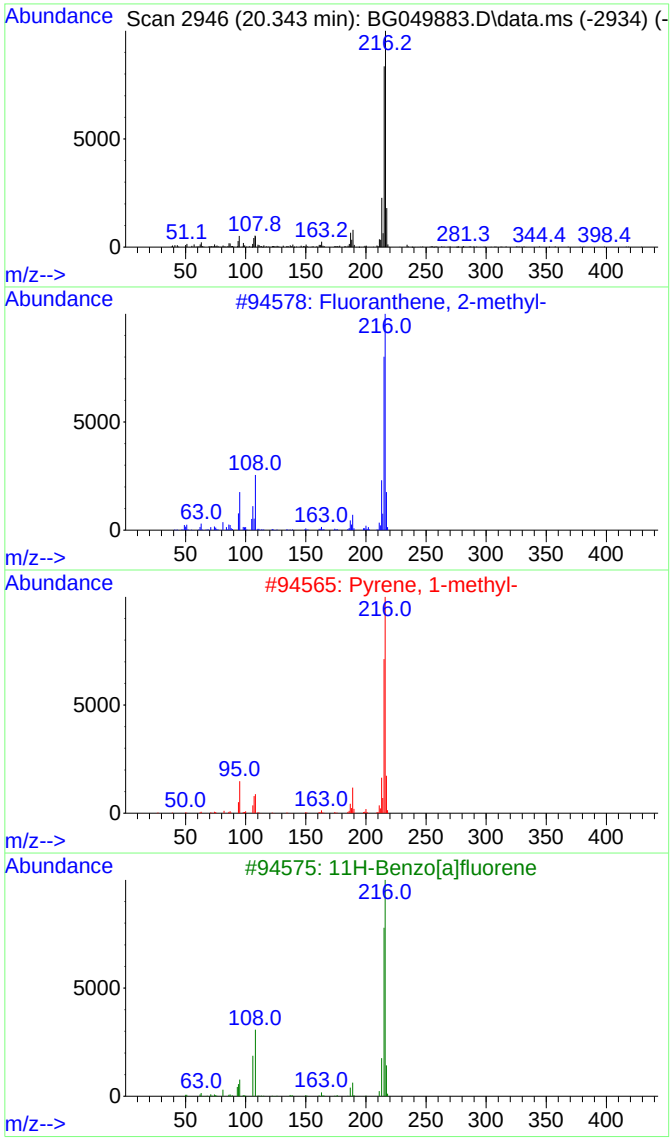
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

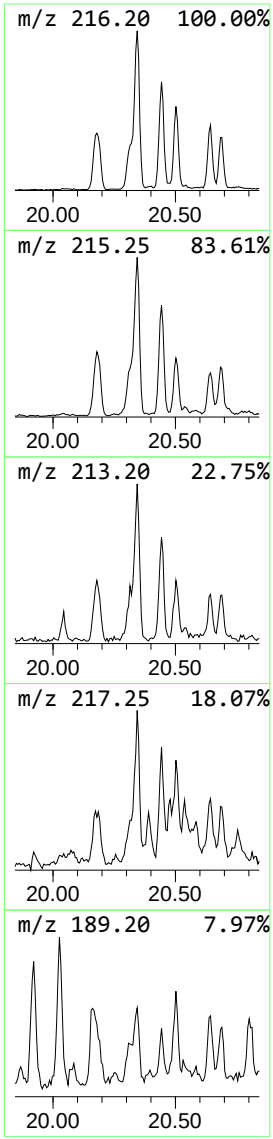
****

Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.343	7.26 ng	671231	Chrysene-d12	21.724

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
Data File : BG049883.D
Acq On : 17 Aug 2021 18:31
Operator : CG/JU
Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-215

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.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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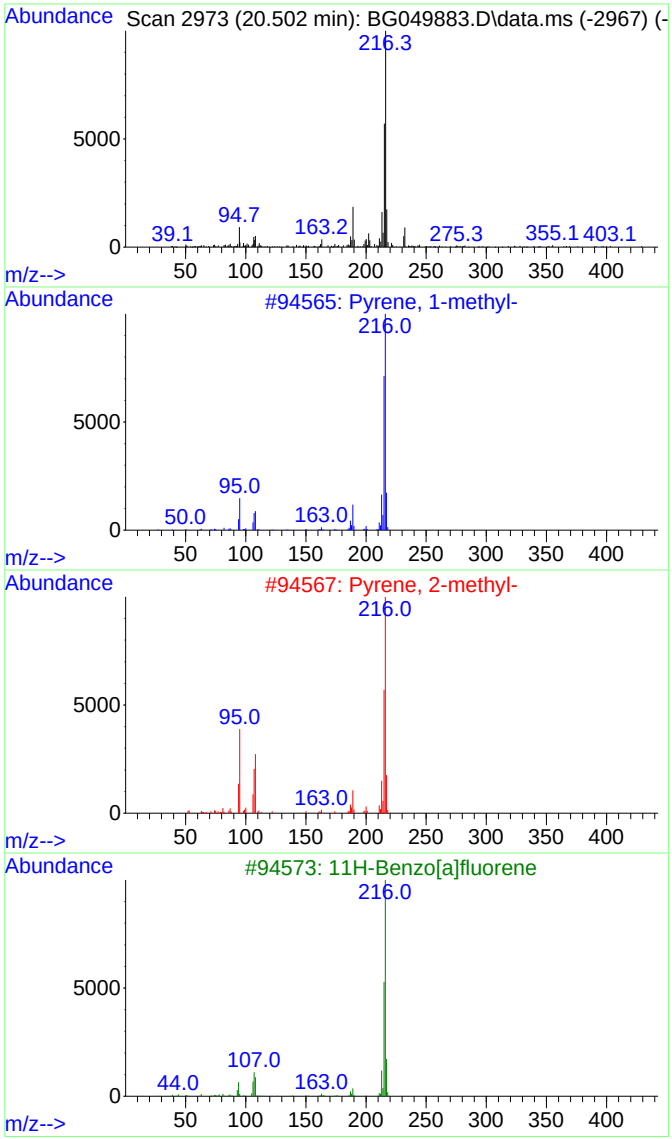
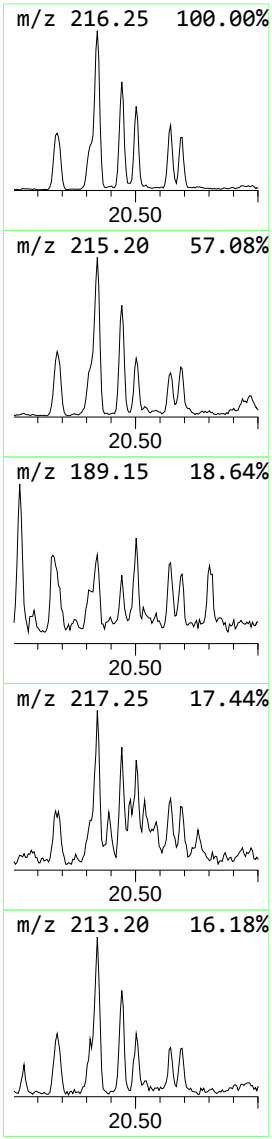
Peak Number 19 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.502	3.37 ng	311850	Chrysene-d12	21.724

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	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
Data File : BG049883.D
Acq On : 17 Aug 2021 18:31
Operator : CG/JU
Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-215

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.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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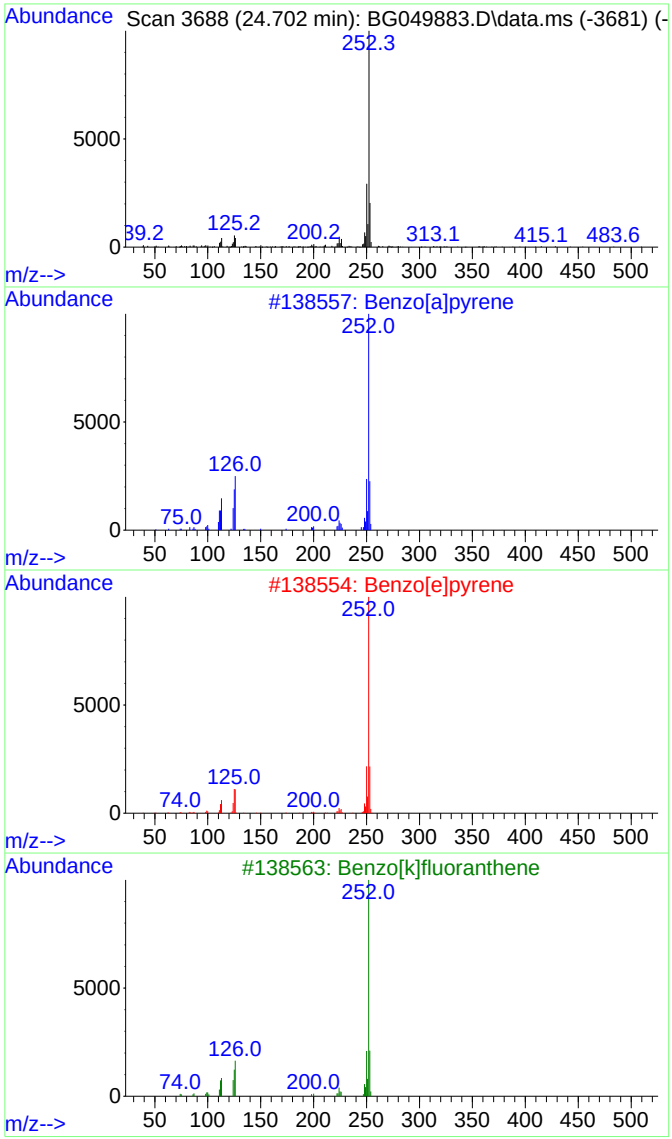
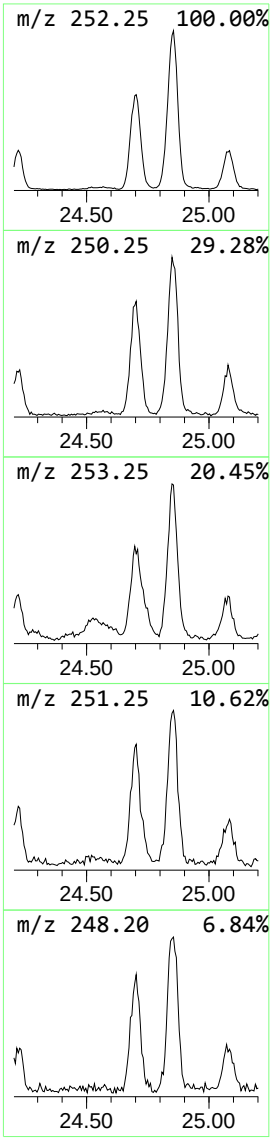
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.702	62.44 ng	769732	Perylene-d12	25.008

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
Data File : BG049883.D
Acq On : 17 Aug 2021 18:31
Operator : CG/JU
Sample : M3388-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-215

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.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
2,2,4-Trimethyl...	3.132	7.4	ng	82404	1	8.031	223976	20.0
Naphthalene, 1,...	13.999	3.4	ng	77054	3	14.681	447622	20.0
9H-Fluoren-9-ol	16.020	4.2	ng	94344	3	14.681	447622	20.0
2,2-Dimethyl-1-...	16.960	4.8	ng	116175	4	17.436	478673	20.0
Dibenz[c,e]oxep...	17.001	4.1	ng	97211	4	17.436	478673	20.0
3'-Methyl-[1,1'...	17.160	5.6	ng	134476	4	17.436	478673	20.0
Naphtho[1,2-b]t...	17.254	5.5	ng	132331	4	17.436	478673	20.0
Phenanthrene, 1...	18.311	13.8	ng	329972	4	17.436	478673	20.0
Phenanthrene, 4...	18.358	16.5	ng	395731	4	17.436	478673	20.0
Anthracene, 2-m...	18.440	10.0	ng	238411	4	17.436	478673	20.0
4H-Cyclopenta[d...	18.511	25.0	ng	598102	4	17.436	478673	20.0
Anthracene, 9-m...	18.540	6.1	ng	145128	4	17.436	478673	20.0
Naphthalene, 2-...	18.804	8.3	ng	198871	4	17.436	478673	20.0
9,10-Anthracene...	18.857	4.1	ng	97958	4	17.436	478673	20.0
di-p-Tolylacety...	19.221	9.9	ng	238151	4	17.436	478673	20.0
Cyclopenta(def)...	19.368	6.6	ng	157197	4	17.436	478673	20.0
Pyrene, 1-methyl-	20.173	3.9	ng	360824	5	21.724	1849870	20.0
Fluoranthene, 2...	20.343	7.3	ng	671231	5	21.724	1849870	20.0
Pyrene, 2-methyl-	20.502	3.4	ng	311850	5	21.724	1849870	20.0
Benzo[e]pyrene	24.702	62.4	ng	769732	6	25.008	246550	20.0