LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034330.D
Acq On : 23 Mar 2022 03:17
Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

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-BM031522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM034330.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.490	377	383	392	rBV	500331	750445	4.24%	0.495%
2	7.096	649	656	665	rBV	488186	800730	4.53%	0.528%
3	7.937	792	799	809	rBV	603833	966958	5.47%	0.638%
4	9.096	990	996	1008	rVB	275225	469134	2.65%	0.309%
5	10.748	1266	1277	1281	rBV	792505	1377593	7.79%	0.908%
6	10.801	1281	1286	1294	rVB	1377243	2291634	12.96%	1.511%
7	11.584	1413	1419	1429	rVB2	99096	181361	1.03%	0.120%
8	12.407	1552	1559	1568	rVB	635834	994237	5.62%	0.655%
9	12.625	1586	1596	1607	rVB	507672	835641	4.73%	0.551%
10	13.207	1686	1695	1701	rBV	758166	1105290	6.25%	0.729%
11	13.413	1725	1730	1737	rVB	280607	416275	2.35%	0.274%
12	13.613	1758	1764	1775	rVB	115178	256885	1.45%	0.169%
13	13.760	1776	1789	1797	rBV2	231690	663981	3.75%	0.438%
14	13.901	1806	1813	1818	rBV	419290	723425	4.09%	0.477%
15	13.954	1818	1822	1830	rVB	303097	454942	2.57%	0.300%
16	14.136	1849	1853	1857	rBV	190708	243069	1.37%	0.160%
17	14.301	1871	1881	1890	rVB	733302	1102509	6.23%	0.727%
18	14.578	1919	1928	1933	rBV2	1135121	1783220	10.08%	1.176%
19	14.642	1933	1939	1945	rVV	1201497	1755978	9.93%	1.158%
20	14.701	1945	1949	1955	rVB	120870	181371	1.03%	0.120%
21	14.783	1955	1963	1971	rBV2	84628	226199	1.28%	0.149%
22	14.883	1971	1980	1985	rBV4	73048	213614	1.21%	0.141%
23	14.972	1989	1995	2002	rVB	1351797	2063672	11.67%	1.361%
24	15.048	2002	2008	2013	rBV	168415	253457	1.43%	0.167%
25	15.195	2025	2033	2038	rBV2	185986	341177	1.93%	0.225%
26	15.248	2038	2042	2049	rVB	165941	240634	1.36%	0.159%
27	15.366	2054	2062	2065	rBV2	167180	328254	1.86%	0.216%
28	15.625	2099	2106	2117	rVB	2099648	3140475	17.76%	2.070%
29	15.783	2130	2133	2138	rVB4	213115	297696	1.68%	0.196%
30	15.836	2138	2142	2145	rBV3	121956	177325	1.00%	0.117%
31	15.919	2151	2156	2164	rVB	394957	653067	3.69%	0.431%
32	16.060	2172	2180	2188	rVB	1029987	1863268	10.54%	1.228%
33	16.154	2188	2196	2202	rVB3	108855	260779	1.47%	0.172%
34	16.295	2214	2220	2231	rVB4	180479	421687	2.38%	0.278%
35	16.624	2264	2276	2281	rBV3	317265	713418	4.03%	0.470%
36	16.672	2281	2284	2290	rVB2	171403	257122	1.45%	0.170%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034330.D
Acq On : 23 Mar 2022 03:17
Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

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-BM031522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.777	2298	2302	2307	rVB	152460	228458	1.29%	0.151%
38	16.854	2307	2315	2318	rBV3	209621	420999	2.38%	0.278%
39	16.895	2319	2322	2325	rVB	182136	228090	1.29%	0.150%
40	16.972	2332	2335	2342	rVB5	108366	194256	1.10%	0.128%
41	17.048	2342	2348	2352	rBV	230575	453059	2.56%	0.299%
42	17.136	2358	2363	2372	rVB	746378	1147736	6.49%	0.757%
43	17.319	2389	2394	2397	rBV	1259386	1862388	10.53%	1.228%
44	17.366	2397	2402	2408	rVV	12722425	17682733	100.00%	11.658%
45	17.454	2412	2417	2422	rVV	3166526	4316323	24.41%	2.846%
46	17.507	2422	2426	2432	rVB3	239182	377909	2.14%	0.249%
47	17.719	2452	2462	2466	rBV2	905139	1598716	9.04%	1.054%
48	17.836	2476	2482	2486	rBV2	127458	235888	1.33%	0.156%
49	18.042	2512	2517	2526	rVB3	76987	190191	1.08%	0.125%
50	18.195	2533	2543	2547	rBV	858144	1381427	7.81%	0.911%
51	18.242	2547	2551	2558	rVB	1201967	1809351	10.23%	1.193%
52	18.324	2558	2565	2570	rBV	638822	993373	5.62%	0.655%
53	18.395	2570	2577	2580	rVV2	1585246	2673349	15.12%	1.762%
54	18.424	2580	2582	2587	rVB	528812	662487	3.75%	0.437%
55	18.695	2623	2628	2632	rBV	665387	877861	4.96%	0.579%
56	18.942	2666	2670	2675	rBV	158601	200139	1.13%	0.132%
57	19.024	2681	2684	2689	rVB2	168122	221966	1.26%	0.146%
58	19.107	2693	2698	2702	rBV2	389736	684022	3.87%	0.451%
59	19.248	2718	2722	2731	rVB2	196946	404649	2.29%	0.267%
60	19.377	2737	2744	2750	rBV	10992125	14897458	84.25%	9.822%
61	19.471	2756	2760	2764	rVB2	195561	235524	1.33%	0.155%
62	19.518	2764	2768	2772	rBV	295392	384952	2.18%	0.254%
63	19.613	2779	2784	2789	rBV	339393	529081	2.99%	0.349%
64	19.736	2794	2805	2813	rBV	8735168	14494613	81.97%	9.556%
65	19.807	2813	2817	2824	rVB3	380739	716489	4.05%	0.472%
66	19.930	2830	2838	2842	rBV2	1172068	1973558	11.16%	1.301%
67	19.971	2842	2845	2851	rVB	446259	595314	3.37%	0.392%
68	20.054	2854	2859	2865	rBV2	376610	969118	5.48%	0.639%
69	20.107	2865	2868	2872	rVB	158906	205003	1.16%	0.135%
70	20.189	2878	2882	2884	rBV3	212925	329088	1.86%	0.217%
71	20.224	2884	2888	2894	rVB	1140994	1624405	9.19%	1.071%
72	20.324	2901	2905	2909	rBV	1147714	1491061	8.43%	0.983%
73	20.383	2909	2915	2919	rVV3	573297	1038880	5.88%	0.685%
74	20.465	2926	2929	2934	rVB3	148323	208853	1.18%	0.138%
75	20.524	2935	2939	2942	rBV	259138	337306	1.91%	0.222%
76	20.571	2942	2947	2951	rVB2	327409	462701	2.62%	0.305%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034330.D
Acq On : 23 Mar 2022 03:17
Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

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-BM031522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.930	3004	3008	3012	rBV2	197359	346427	1.96%	0.228%
78	21.136	3040	3043	3046	rBV	388724	455798	2.58%	0.301%
79	21.177	3046	3050	3052	rVV	469792	592900	3.35%	0.391%
80	21.218	3053	3057	3061	rVB2	529261	875671	4.95%	0.577%
81	21.477	3092	3101	3106	rBV2	4866745	8562775	48.42%	5.645%
82	21.530	3106	3110	3119	rVB	3282336	4554621	25.76%	3.003%
83	21.648	3126	3130	3138	rVB	875401	1160530	6.56%	0.765%
84	21.812	3154	3158	3165	rVB	472134	703940	3.98%	0.464%
85	22.065	3198	3201	3205	rVB	442991	591513	3.35%	0.390%
86	22.230	3227	3229	3233	rVB3	251052	292238	1.65%	0.193%
87	22.277	3234	3237	3240	rBV2	225685	303824	1.72%	0.200%
88	22.383	3251	3255	3265	rVB5	250155	499124	2.82%	0.329%
89	23.171	3382	3389	3394	rBV	2382517	5729850	32.40%	3.778%
90	23.353	3416	3420	3426	rVB	536855	912749	5.16%	0.602%
91	23.695	3471	3478	3487	rVB	1423330	3059465	17.30%	2.017%
92	23.795	3489	3495	3504	rVV	2399489	4881696	27.61%	3.218%
93	23.900	3508	3513	3518	rVV2	1063656	2248602	12.72%	1.482%
94	23.953	3519	3522	3532	rVB	697477	1432679	8.10%	0.945%
95	26.418	3932	3941	3953	rVB2	1069894	3347623	18.93%	2.207%
96	27.188	4064	4072	4089	rVB2	865891	2982161	16.86%	1.966%

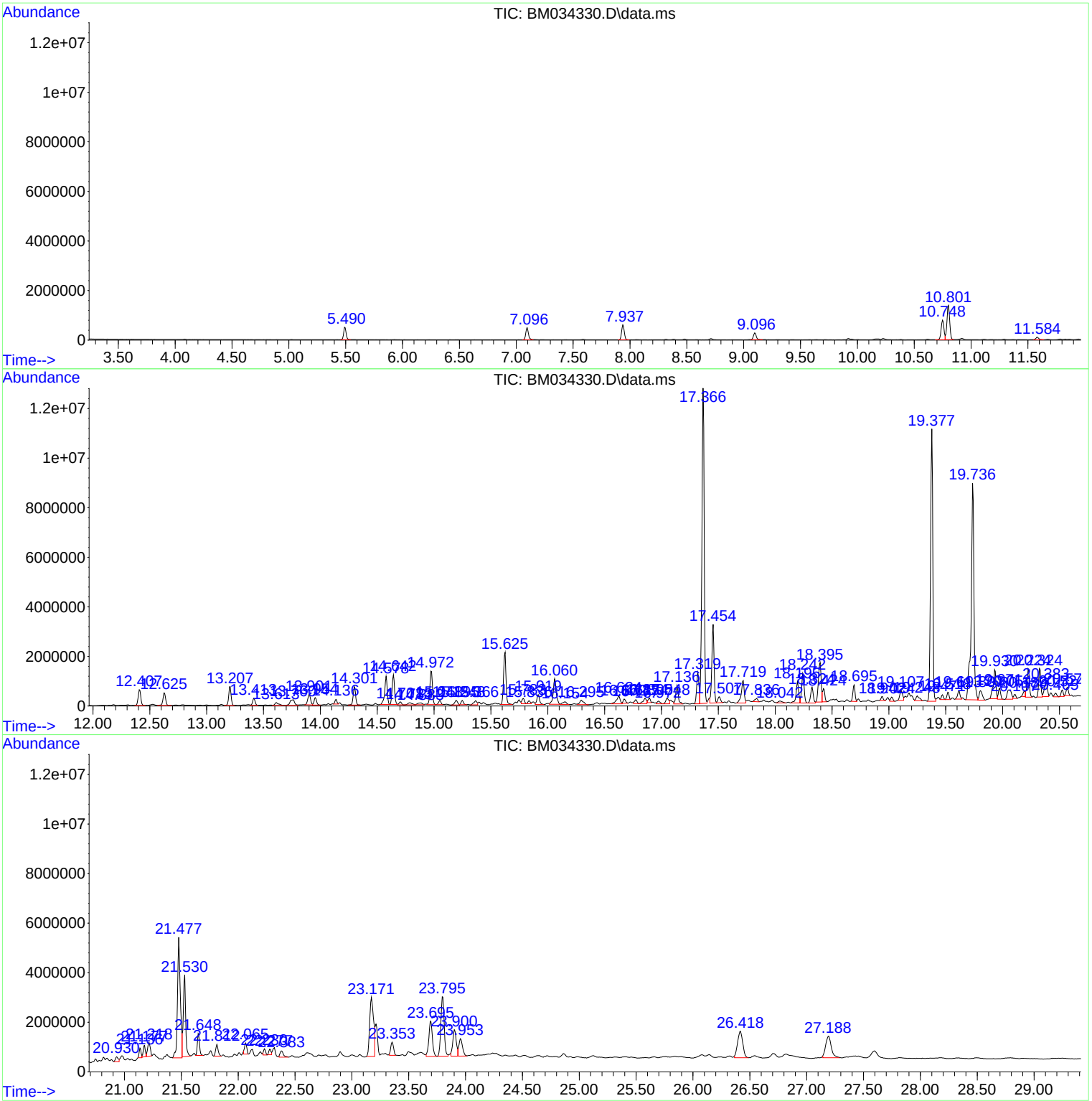
Sum of corrected areas: 151679482

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034330.D
Acq On : 23 Mar 2022 03:17
Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.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\BM032222\
Data File : BM034330.D
Acq On : 23 Mar 2022 03:17
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Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

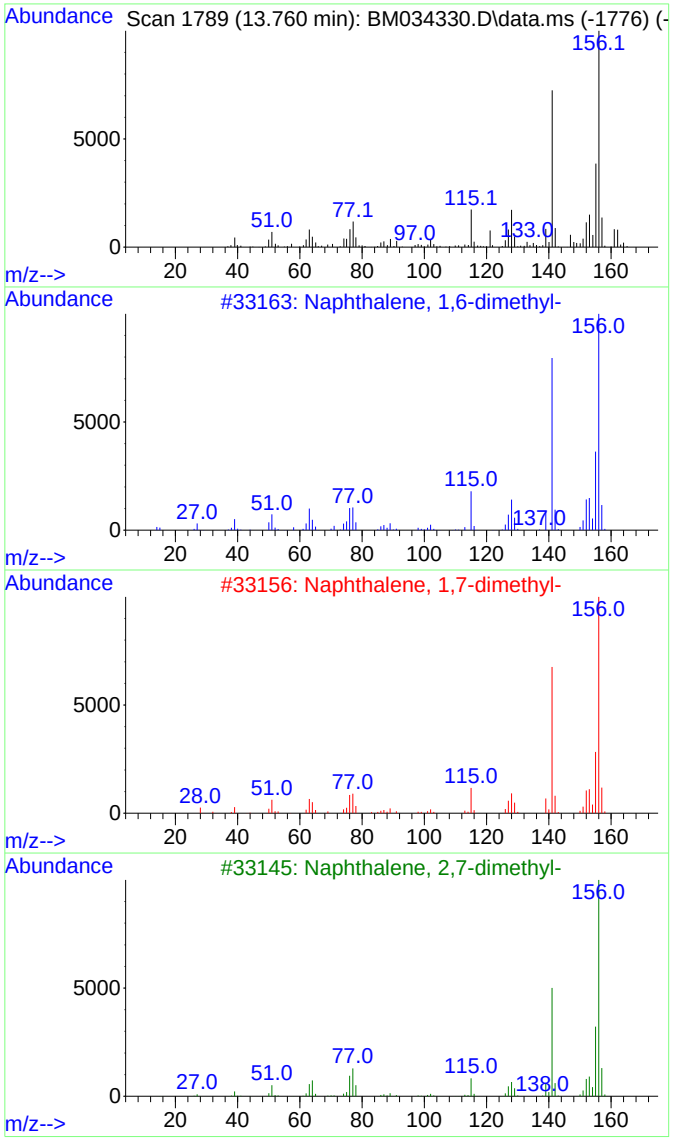
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

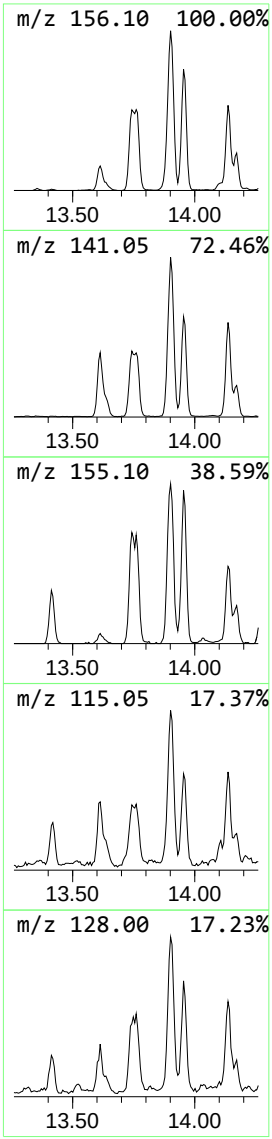
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.760	7.45 ng	663981	Acenaphthene-d10	14.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034330.D
Acq On : 23 Mar 2022 03:17
Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

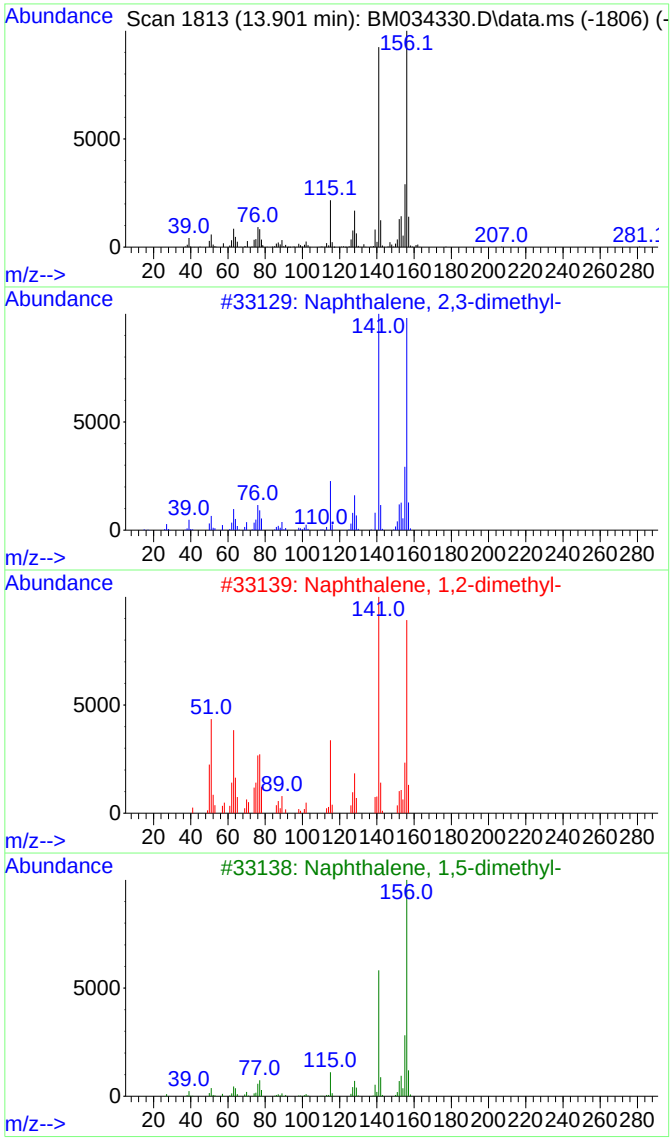
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

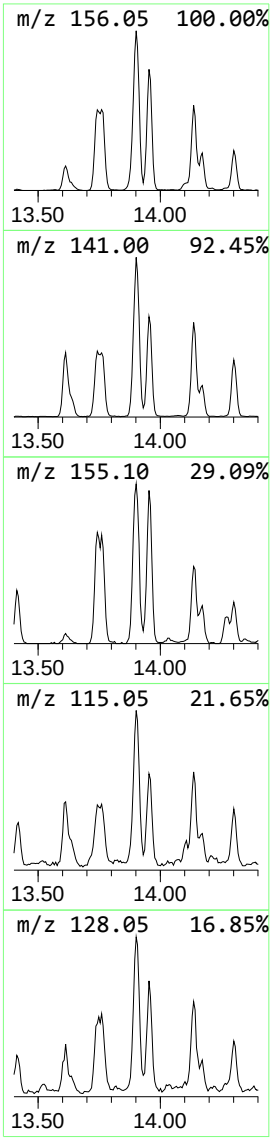
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.901	8.11 ng	723425	Acenaphthene-d10	14.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034330.D
Acq On : 23 Mar 2022 03:17
Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

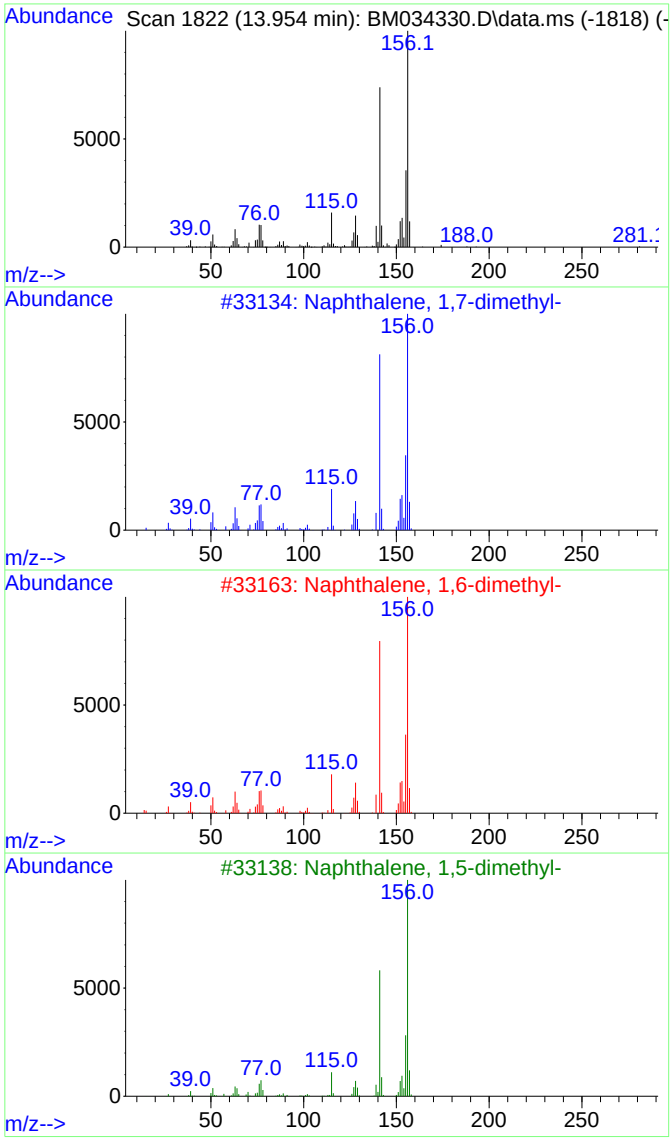
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

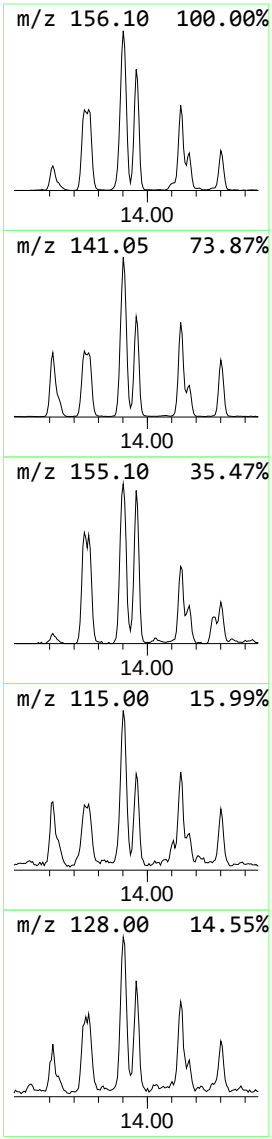
****

Peak Number 3 Naphthalene, 1,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.954	5.10 ng	454942	Acenaphthene-d10	14.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034330.D
Acq On : 23 Mar 2022 03:17
Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

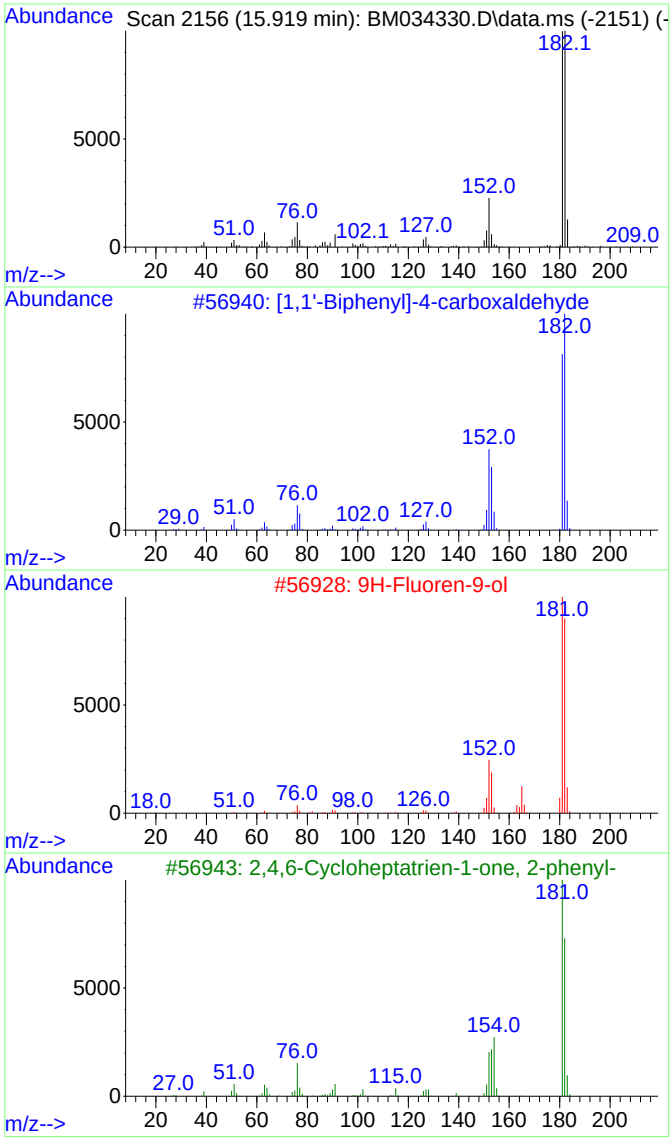
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

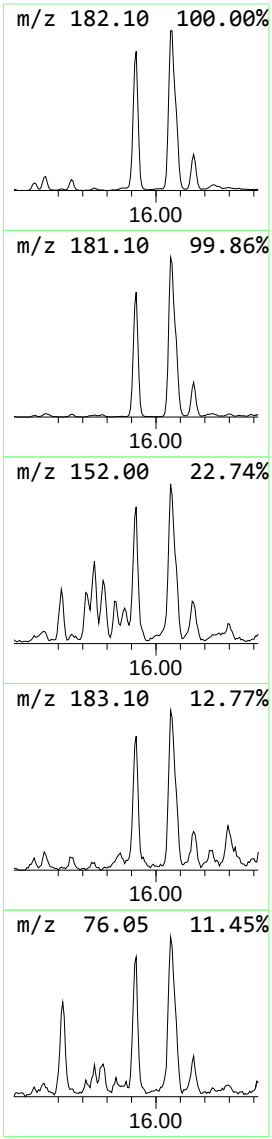
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.919	7.32 ng	653067	Acenaphthene-d10	14.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	Norharmane, N-methyl-	182	C12H10N2	1010374-78-6	72
5	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034330.D
Acq On : 23 Mar 2022 03:17
Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

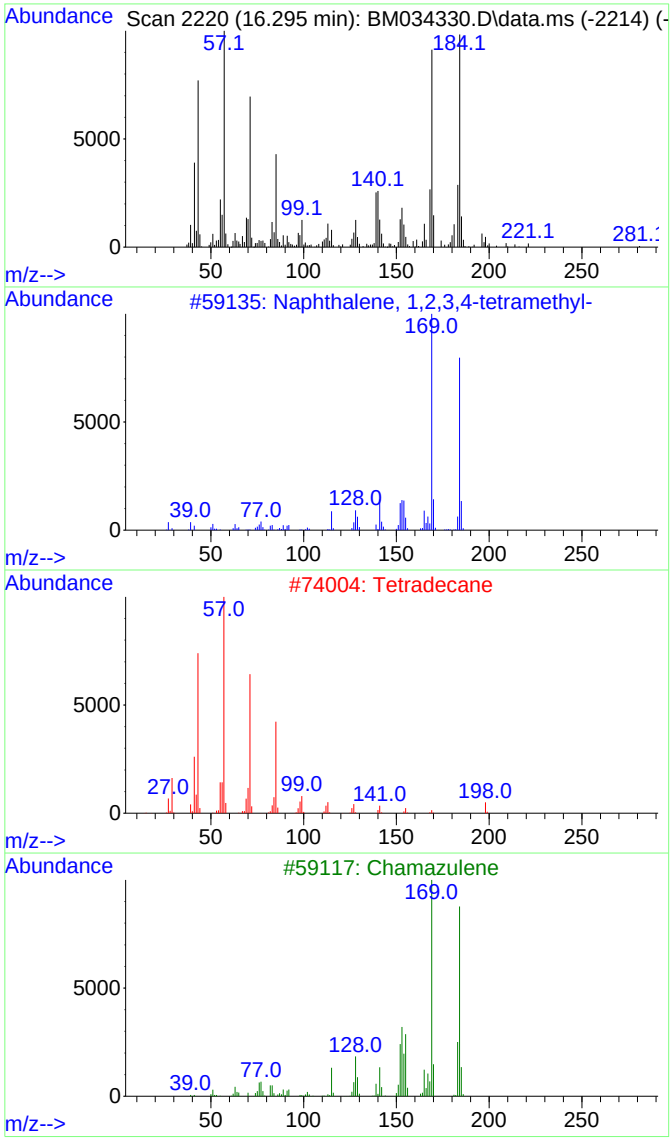
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

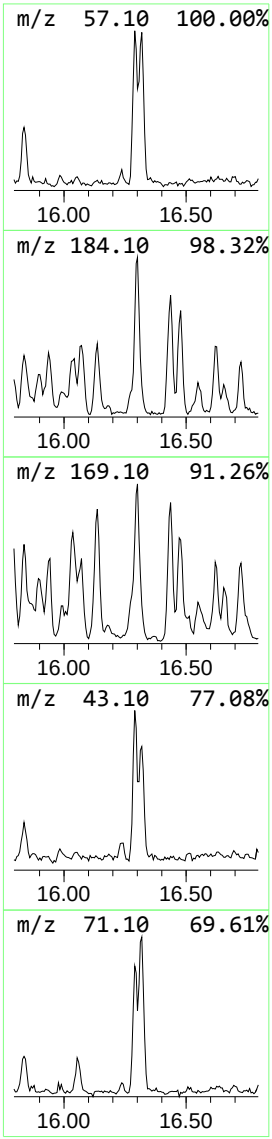
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, 1,2,3,4-tetram... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.295	4.53 ng	421687	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	64
2	Tetradecane	198	C14H30	000629-59-4	56
3	Chamazulene	184	C14H16	000529-05-5	55
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	50
5	3-Isopropyl- 1-methylnaphthalene	184	C14H16	1000383-71-4	50





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Acq On : 23 Mar 2022 03:17
Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

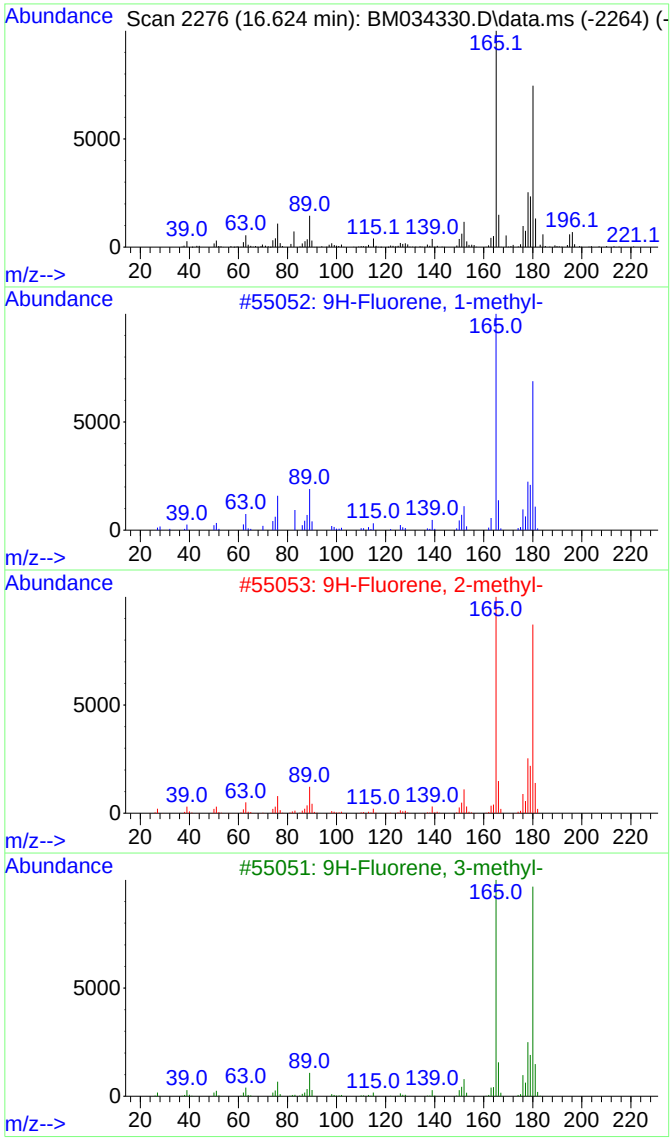
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

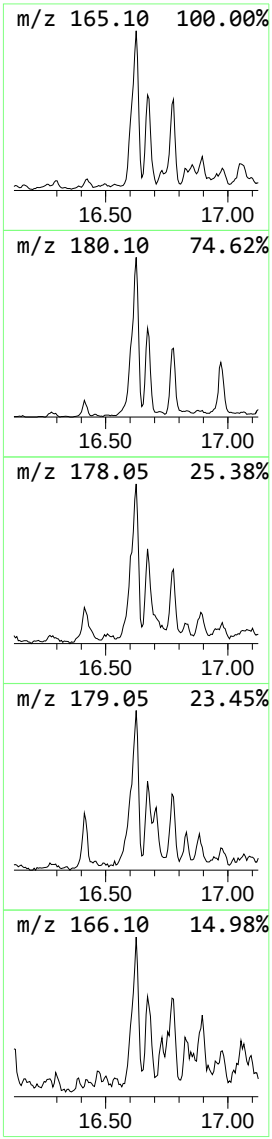
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.625	7.66 ng	713418	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





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Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

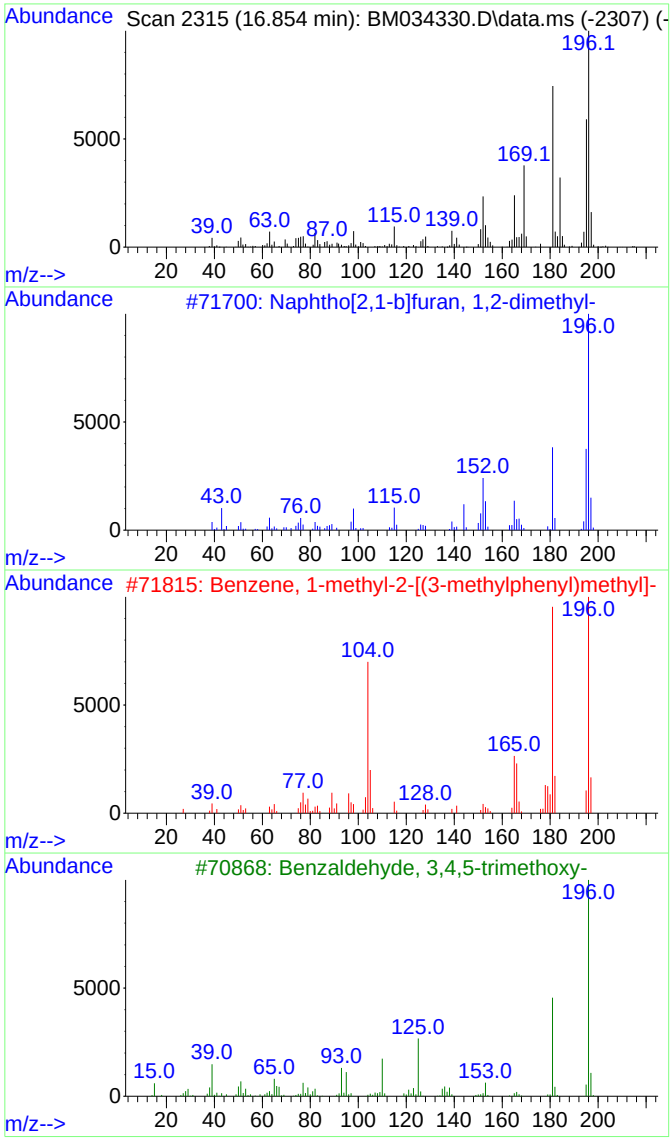
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

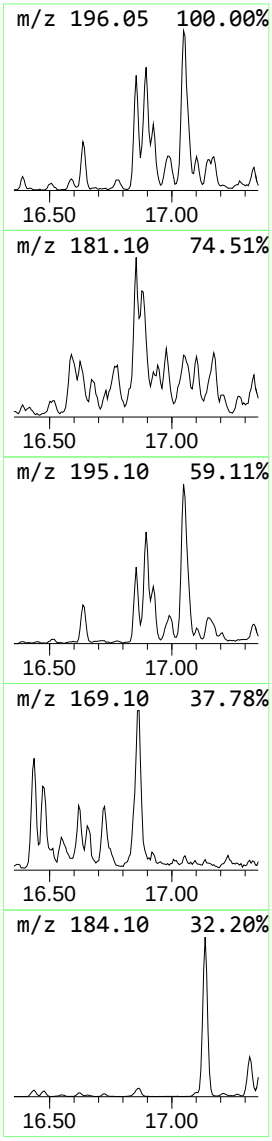
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.854	4.52 ng	420999	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	90
2	Benzene, 1-methyl-2-[(3-methylph...	196	C15H16	021895-13-6	52
3	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	49
4	Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	46
5	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	46





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Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C-17-16-17

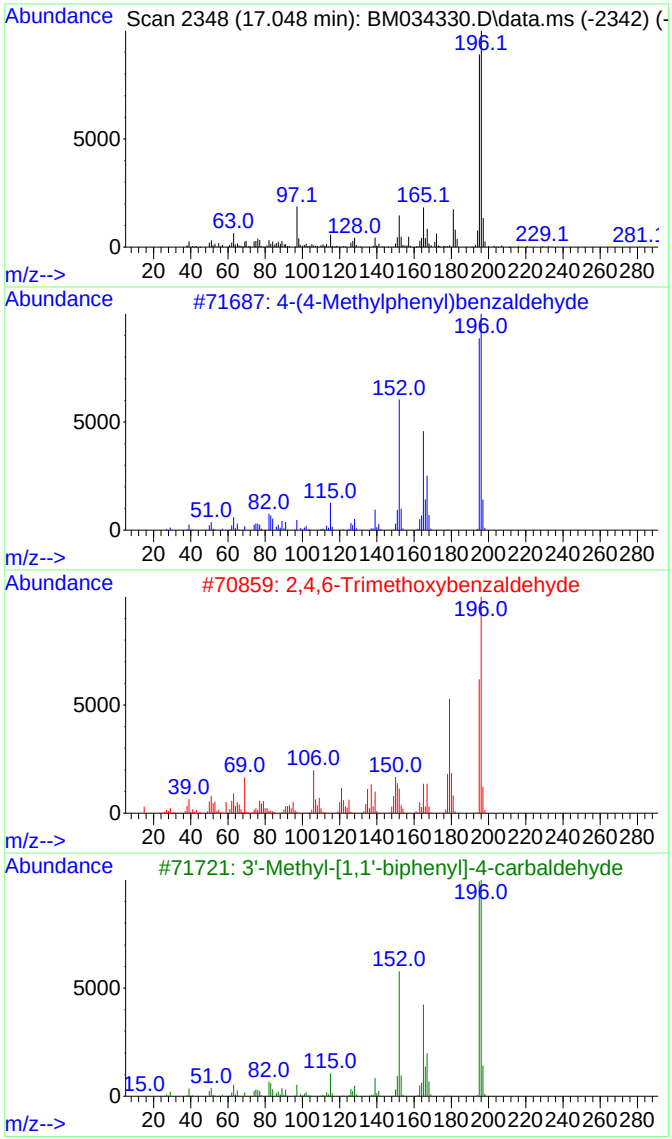
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

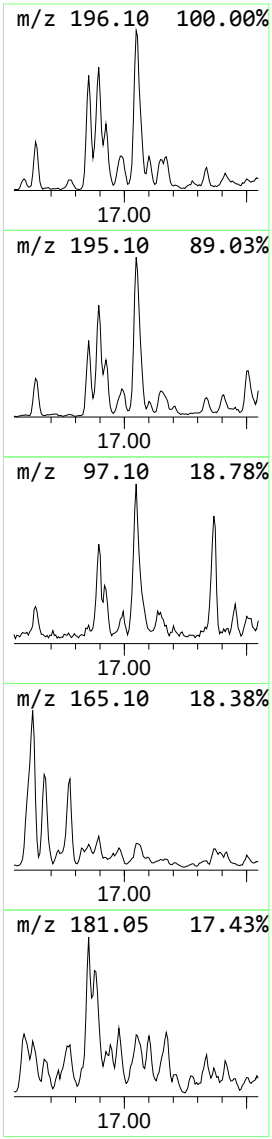
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4-(4-Methylphenyl)benzaldehyde Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.048	4.87 ng	453059	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	87
2	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	86
3	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	80
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	53





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Acq On : 23 Mar 2022 03:17
Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

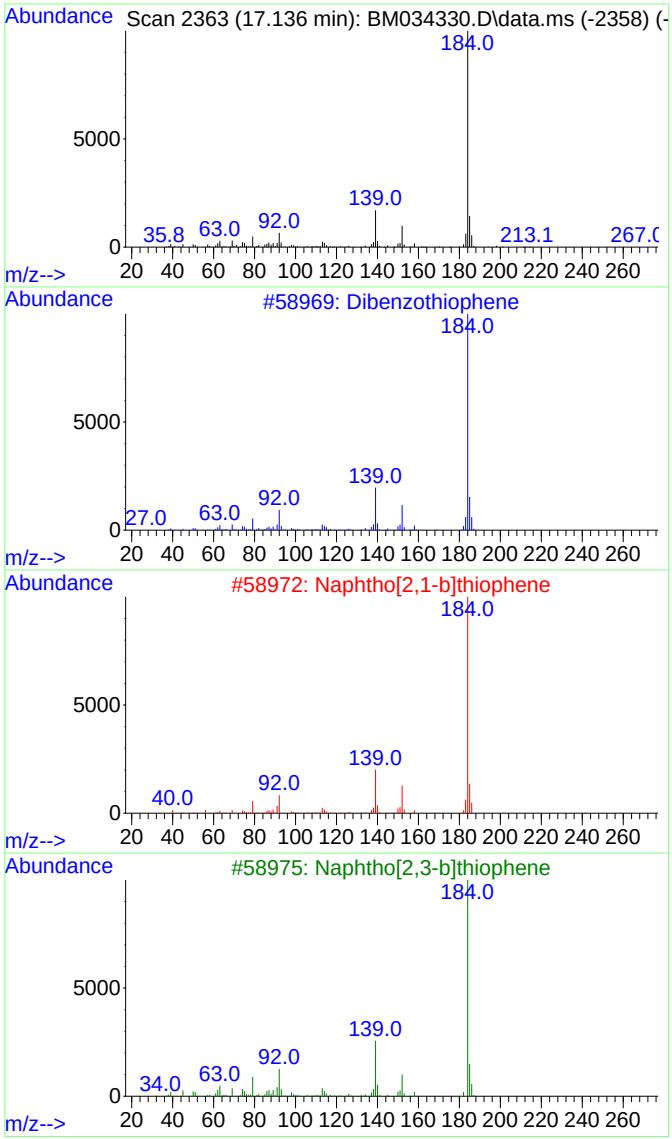
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

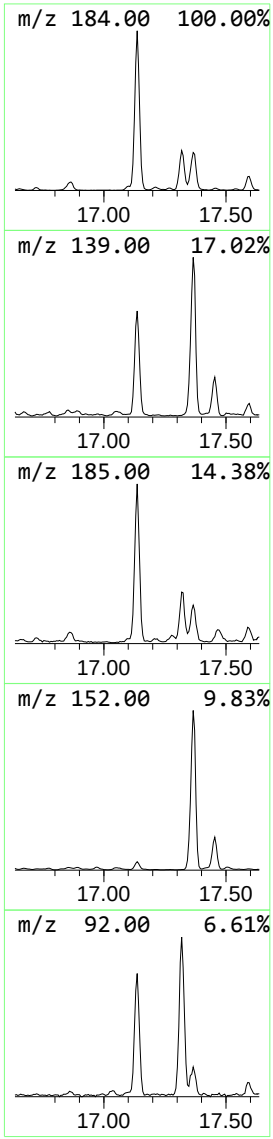
****

Peak Number 9 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.136	12.33 ng	1147740	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Acq On : 23 Mar 2022 03:17
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Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

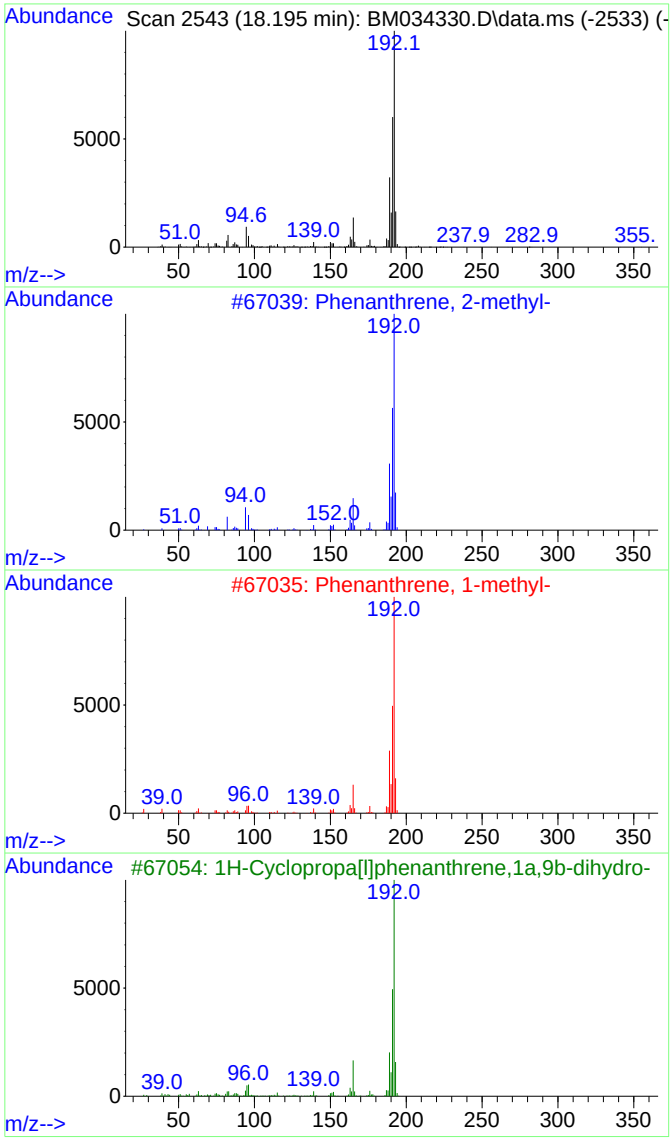
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

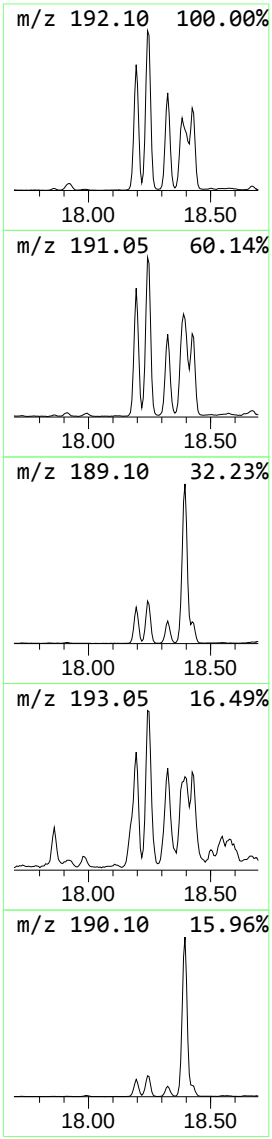
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.195	14.84 ng	1381430	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Acq On : 23 Mar 2022 03:17
Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C-17-16-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

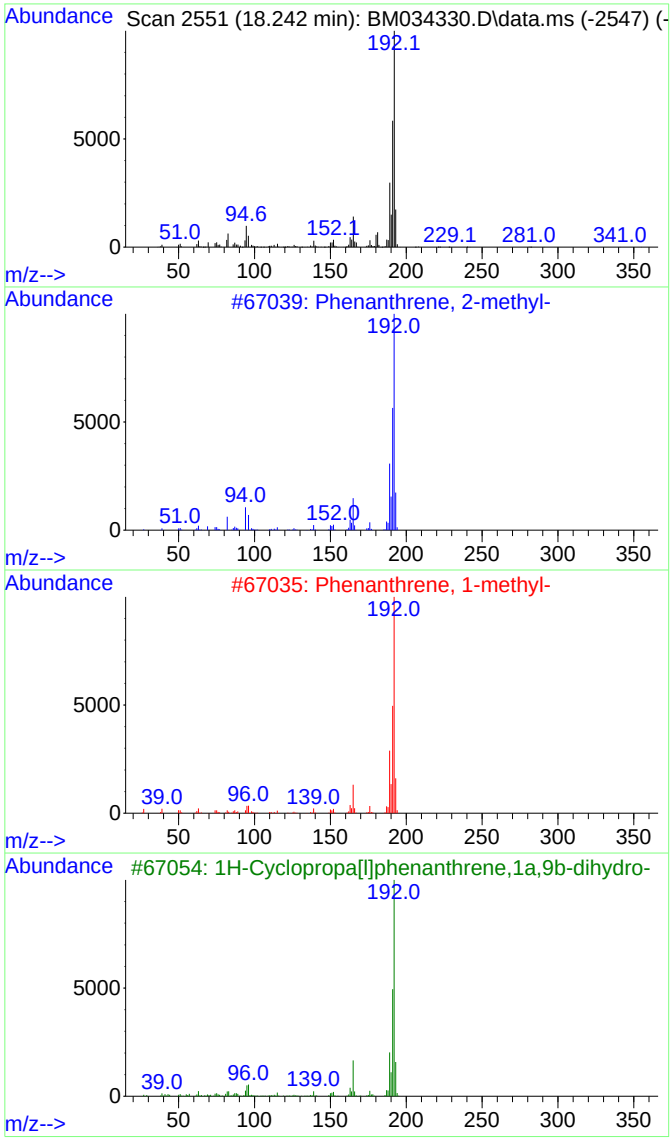
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

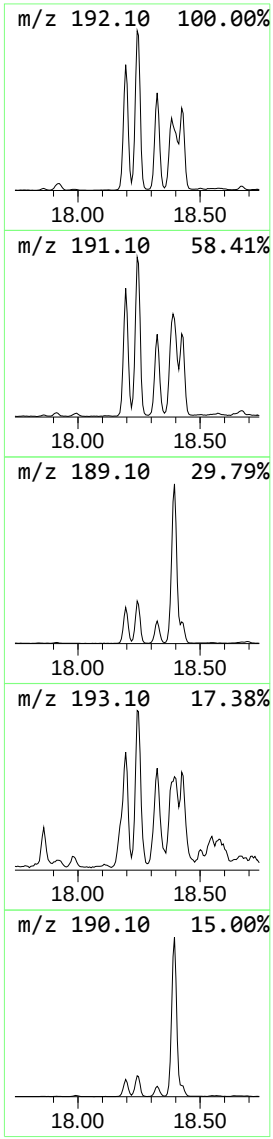
****

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.242	19.43 ng	1809350	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Data File : BM034330.D
Acq On : 23 Mar 2022 03:17
Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

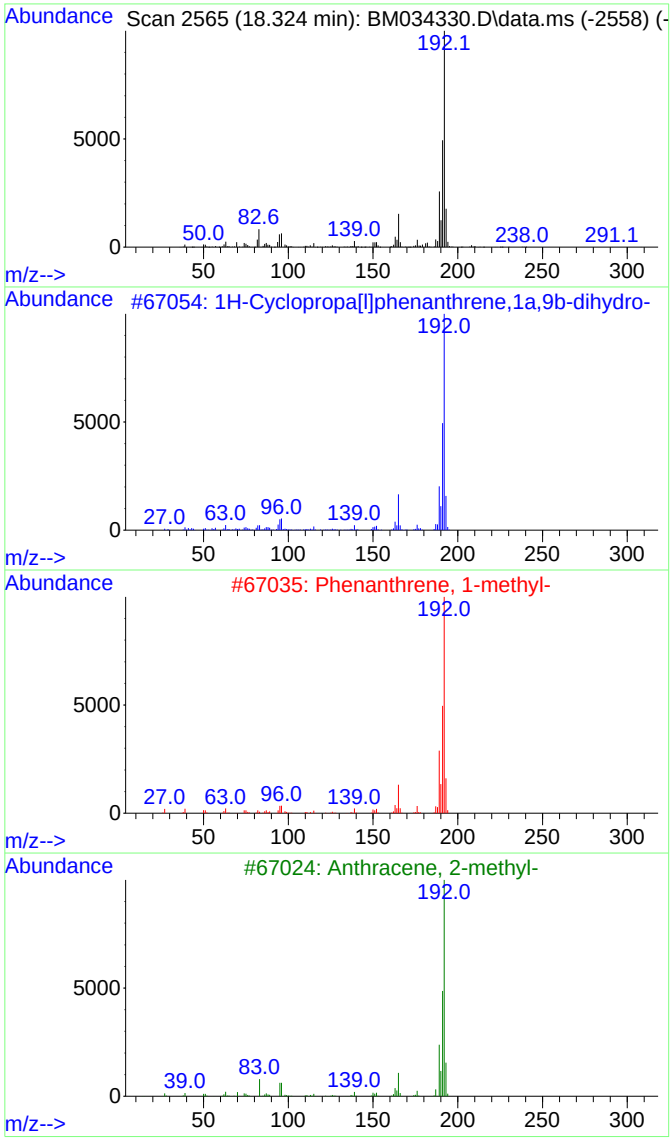
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

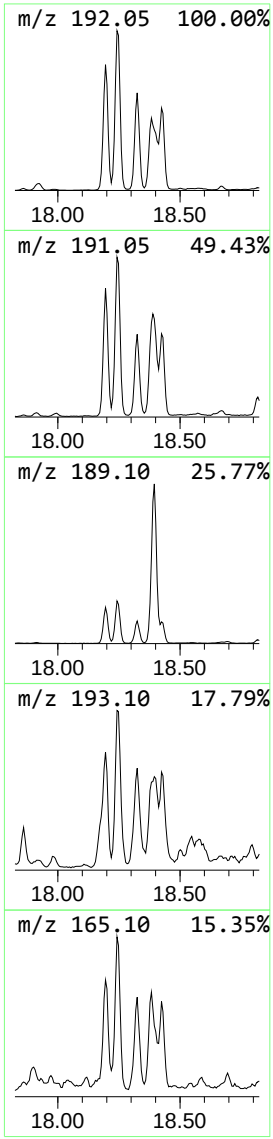
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.324	10.67 ng	993373	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96





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Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C-17-16-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

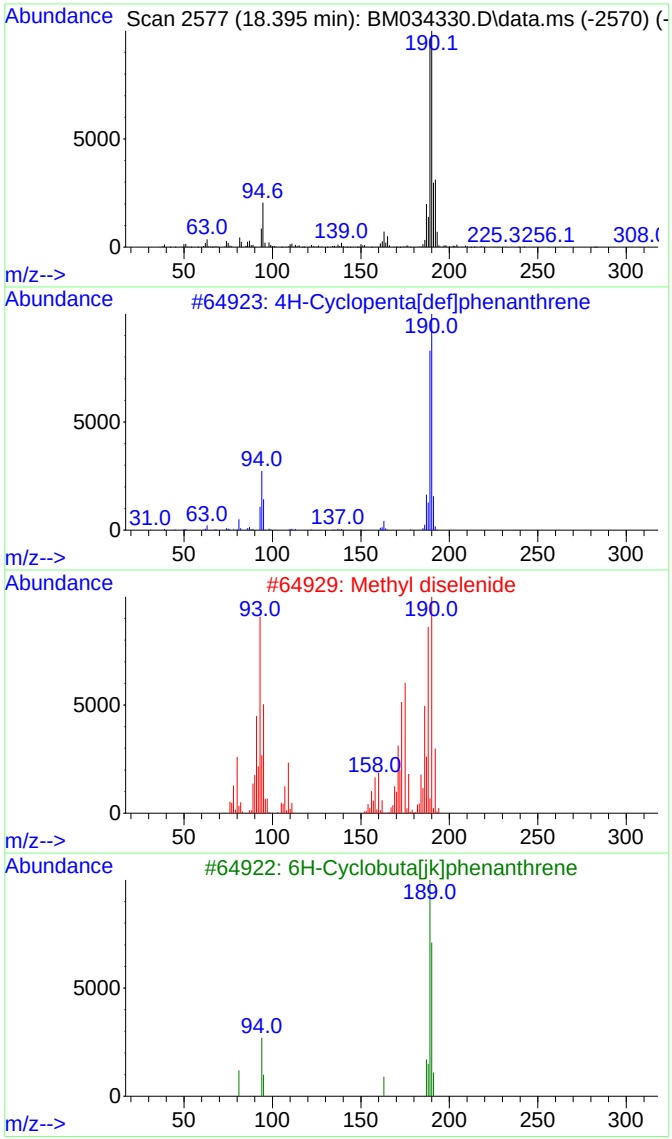
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

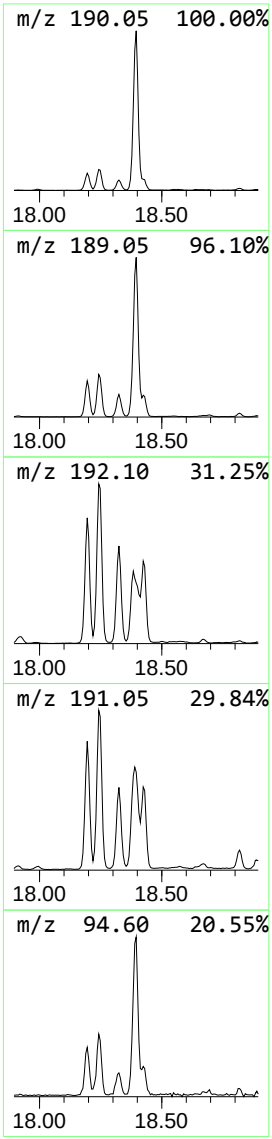
****

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.395	28.71 ng	2673350	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
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	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

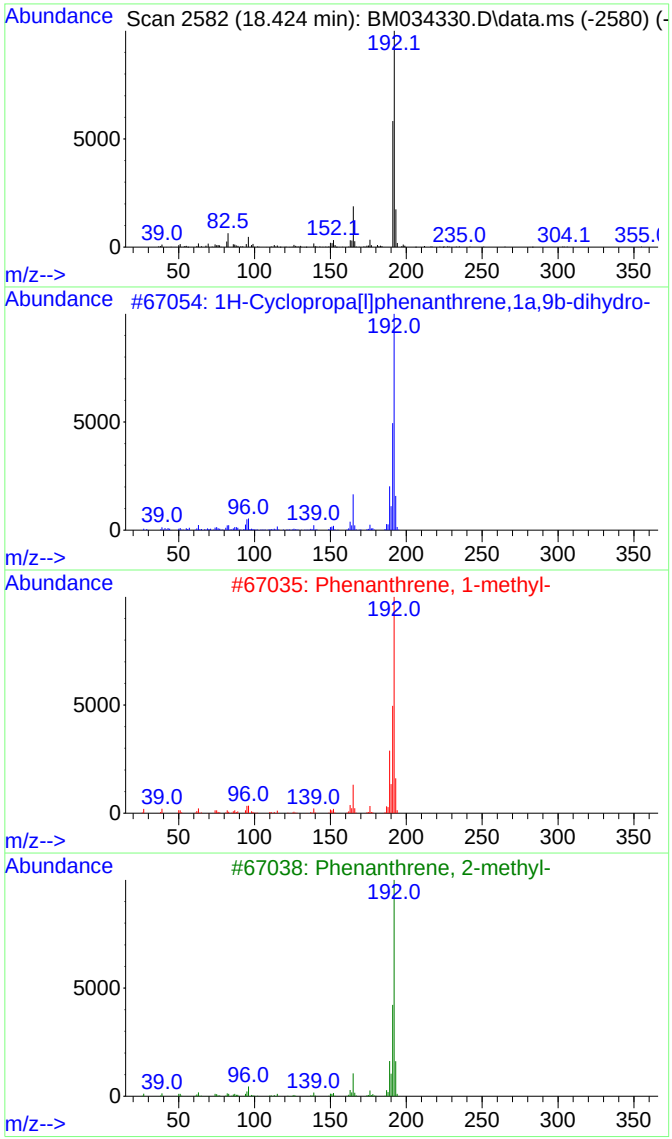
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

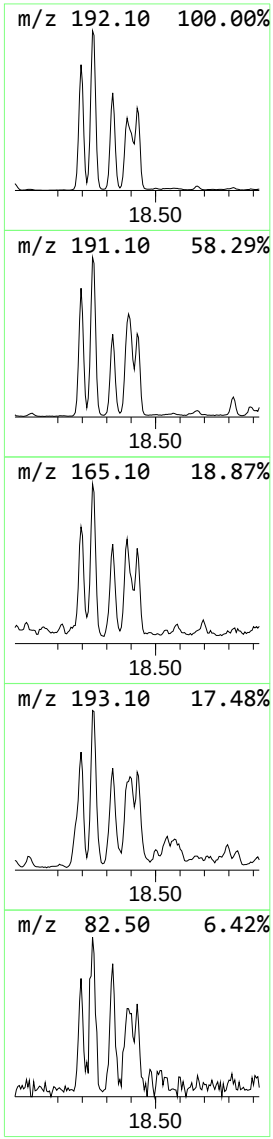
****

Peak Number 14 Anthracene, 9-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.424	7.11 ng	662487	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C-17-16-17

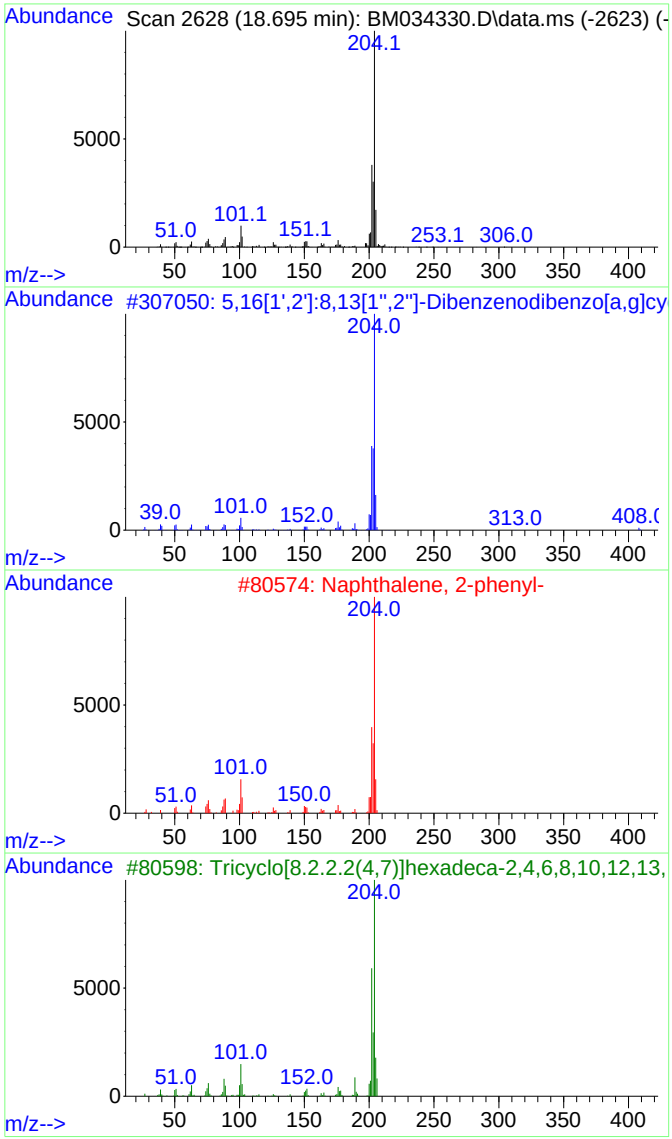
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

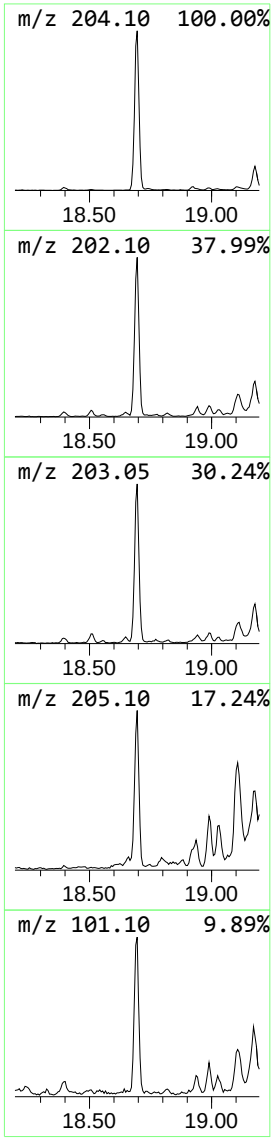
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.695	9.43 ng	877861	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58





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Misc :
ALS Vial : 20 Sample Multiplier: 1

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

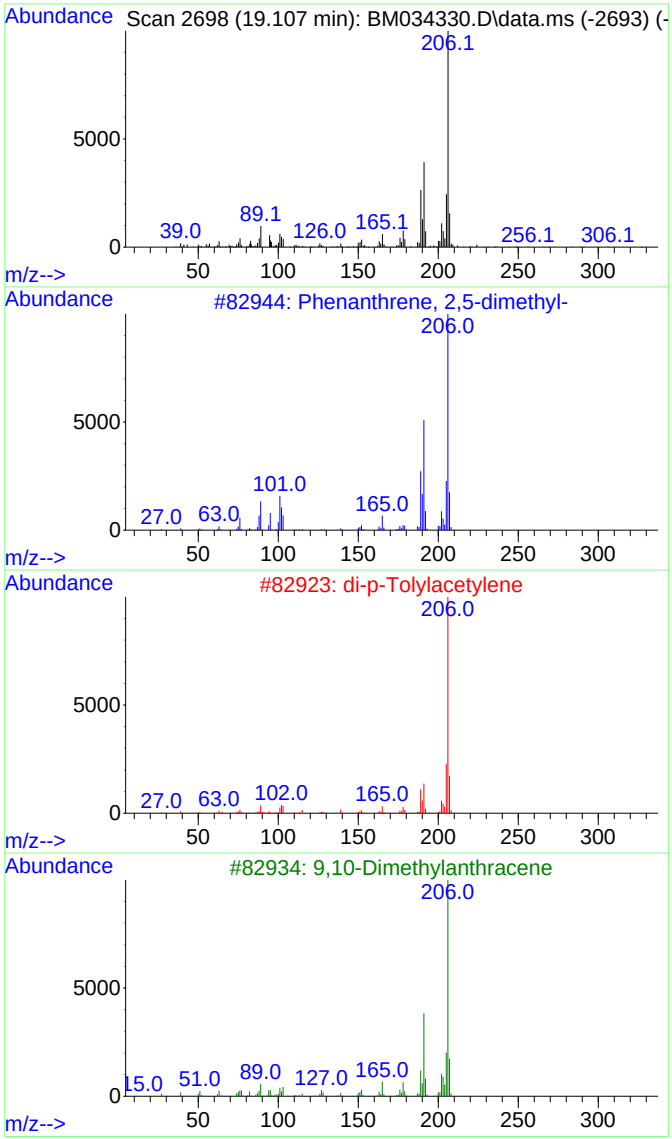
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

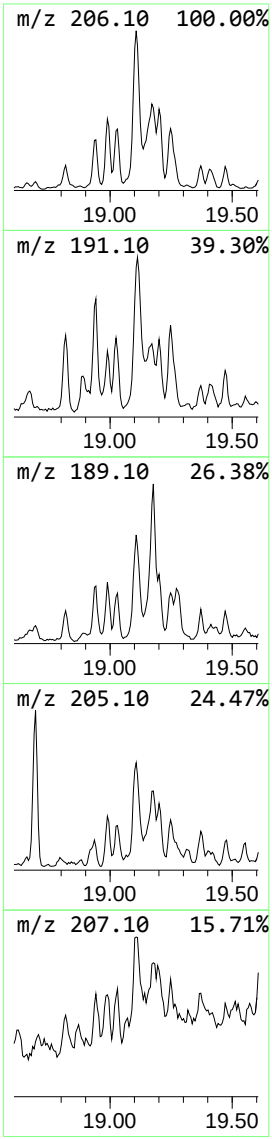
****

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.107	7.35 ng	684022	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034330.D
Acq On : 23 Mar 2022 03:17
Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.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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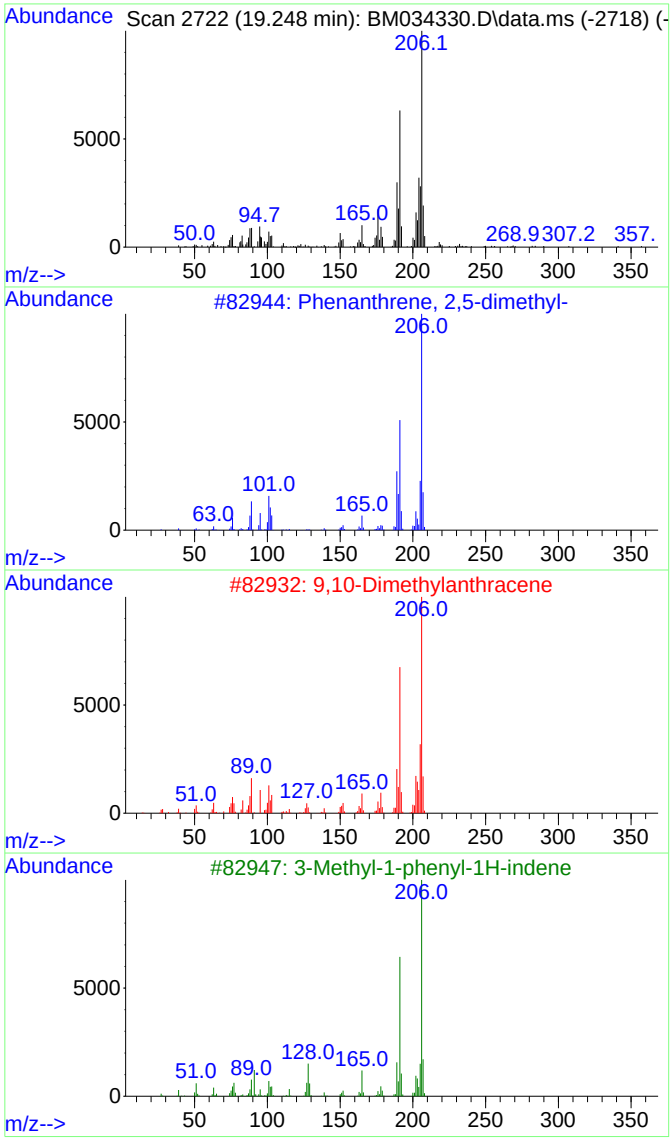
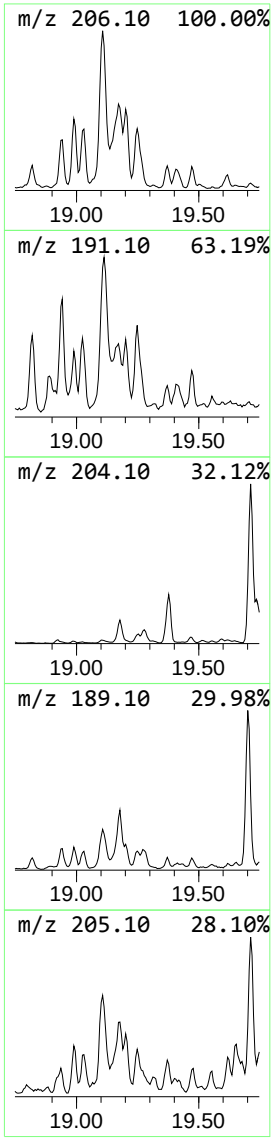
Peak Number 17 9,10-Dimethylanthracene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.248	4.35 ng	404649	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	81
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	81
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	81





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Misc :
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Instrument :
BNA_M
ClientSampleId :
C-17-16-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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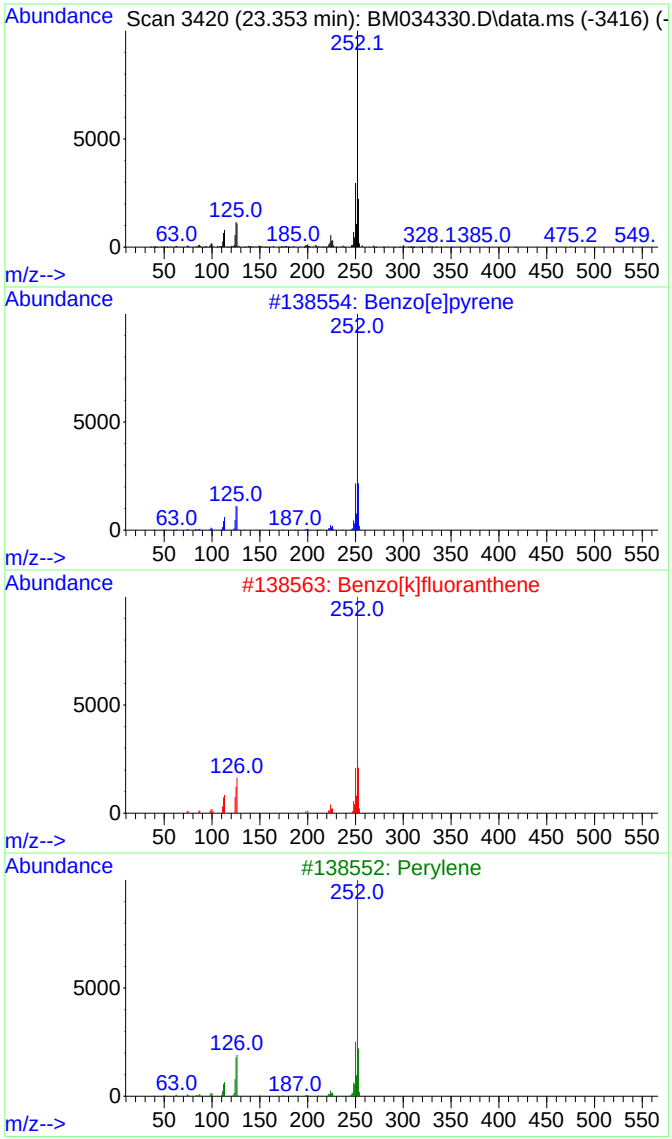
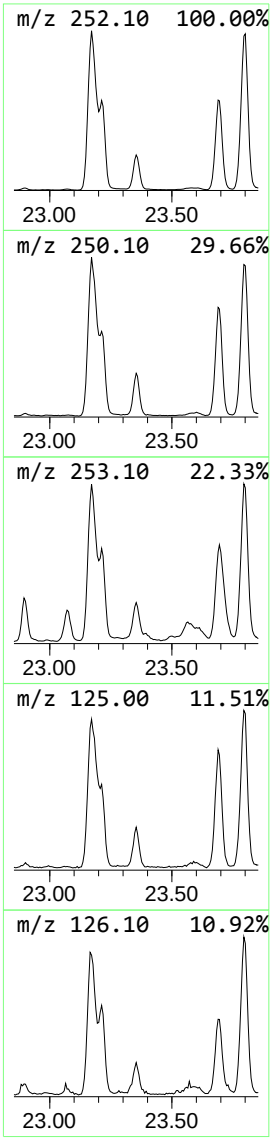
Peak Number 18 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.354	8.12 ng	912749	Perylene-d12	23.901

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034330.D
Acq On : 23 Mar 2022 03:17
Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.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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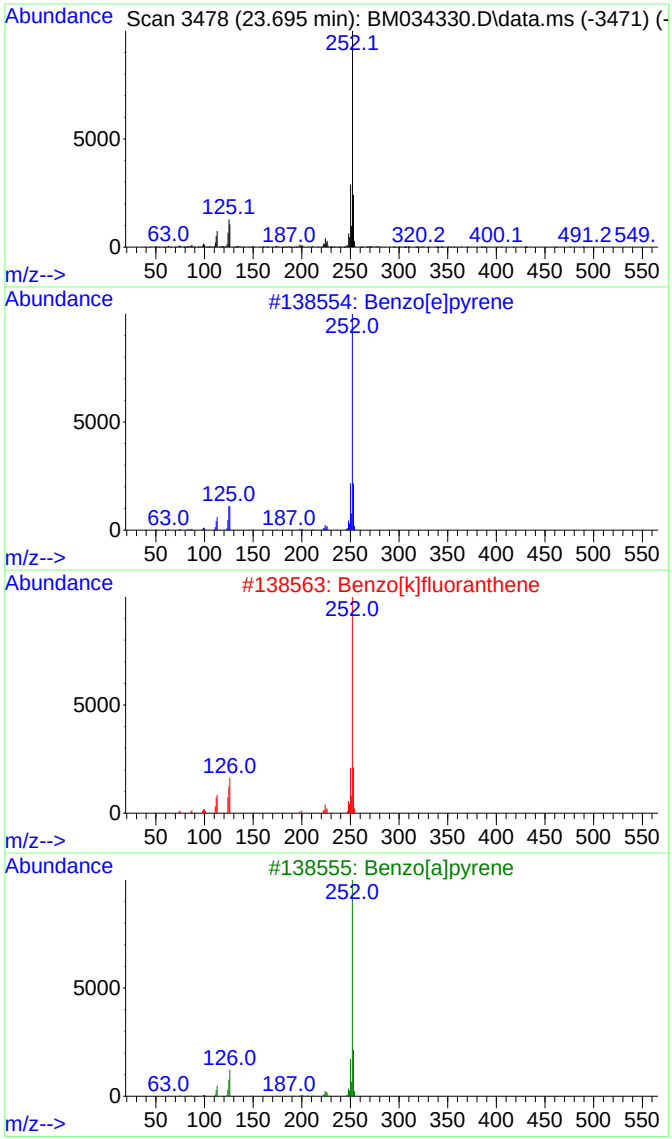
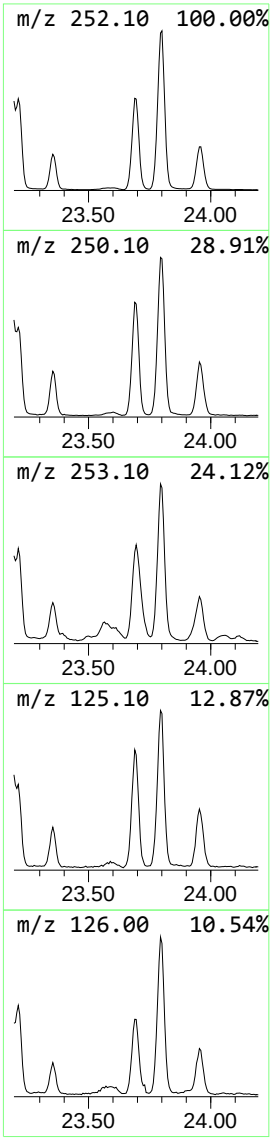
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.695	27.21 ng	3059470	Perylene-d12	23.901

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





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Data File : BM034330.D
Acq On : 23 Mar 2022 03:17
Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.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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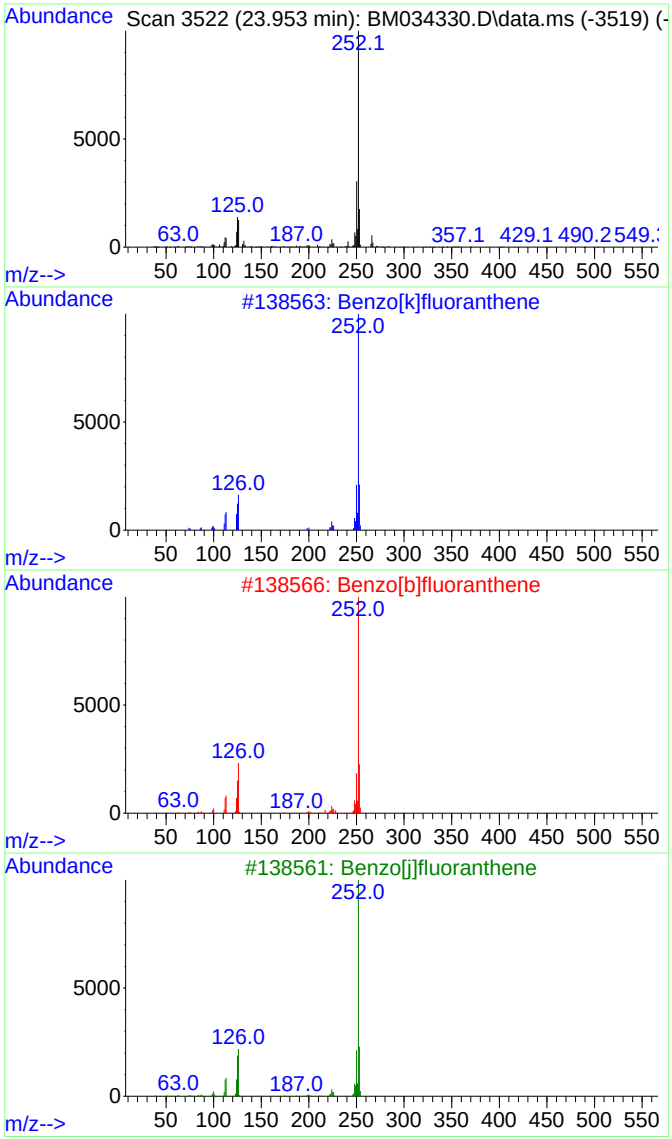
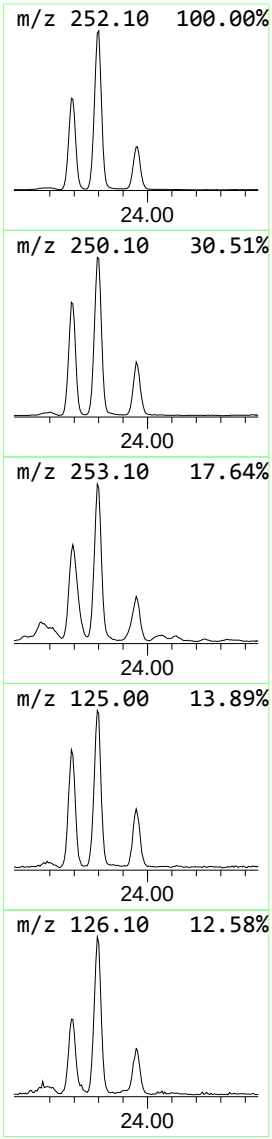
Peak Number 20 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.953	12.74 ng	1432680	Perylene-d12	23.901

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[a]pyrene	252	C20H12	000050-32-8	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034330.D
Acq On : 23 Mar 2022 03:17
Operator : CG/JU
Sample : N1962-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-17-16-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.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
Naphthalene, 1,...	13.760	7.5	ng	663981	3	14.578	1783220	20.0
Naphthalene, 2,...	13.901	8.1	ng	723425	3	14.578	1783220	20.0
Naphthalene, 1,...	13.954	5.1	ng	454942	3	14.578	1783220	20.0
[1,1'-Biphenyl]...	15.919	7.3	ng	653067	3	14.578	1783220	20.0
Naphthalene, 1,...	16.295	4.5	ng	421687	4	17.319	1862390	20.0
9H-Fluorene, 1-...	16.625	7.7	ng	713418	4	17.319	1862390	20.0
Naphtho[2,1-b]f...	16.854	4.5	ng	420999	4	17.319	1862390	20.0
4-(4-Methylphen...	17.048	4.9	ng	453059	4	17.319	1862390	20.0
Dibenzothiophene	17.136	12.3	ng	1147740	4	17.319	1862390	20.0
Phenanthrene, 2...	18.195	14.8	ng	1381430	4	17.319	1862390	20.0
Phenanthrene, 1...	18.242	19.4	ng	1809350	4	17.319	1862390	20.0
1H-Cyclopropa[l...	18.324	10.7	ng	993373	4	17.319	1862390	20.0
4H-Cyclopenta[d...	18.395	28.7	ng	2673350	4	17.319	1862390	20.0
Anthracene, 9-m...	18.424	7.1	ng	662487	4	17.319	1862390	20.0
5,16[1',2']:8,1...	18.695	9.4	ng	877861	4	17.319	1862390	20.0
Phenanthrene, 2...	19.107	7.3	ng	684022	4	17.319	1862390	20.0
9,10-Dimethylan...	19.248	4.3	ng	404649	4	17.319	1862390	20.0
Benzo[e]pyrene	23.354	8.1	ng	912749	6	23.901	2248600	20.0
Benzo[j]fluoran...	23.695	27.2	ng	3059470	6	23.901	2248600	20.0
Perylene	23.953	12.7	ng	1432680	6	23.901	2248600	20.0