LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042721\
Data File : BM029678.D
Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

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-BM042121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM029678.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.210	389	395	403	rBV	1001815	1480644	28.31%	2.002%
2	6.792	653	664	678	rBV	969248	1566134	29.94%	2.117%
3	7.610	795	803	812	rBV	276360	433583	8.29%	0.586%
4	8.763	992	999	1009	rBV	592446	1001630	19.15%	1.354%
5	10.386	1266	1275	1281	rBV	329026	572983	10.95%	0.775%
6	12.063	1550	1560	1568	rVB	38391	65540	1.25%	0.089%
7	12.874	1691	1698	1711	rBV	1790797	2556913	48.88%	3.457%
8	13.427	1782	1792	1799	rBV5	22565	60823	1.16%	0.082%
9	13.574	1812	1817	1822	rBV	50812	87838	1.68%	0.119%
10	13.721	1837	1842	1851	rVB	57722	94121	1.80%	0.127%
11	13.980	1881	1886	1892	rVB	54701	84227	1.61%	0.114%
12	14.257	1924	1933	1939	rBV	554511	829280	15.85%	1.121%
13	14.321	1939	1944	1952	rVB	181823	281163	5.38%	0.380%
14	14.468	1963	1969	1979	rBV3	26827	70456	1.35%	0.095%
15	14.568	1979	1986	1991	rBV3	41460	75115	1.44%	0.102%
16	14.657	1994	2001	2010	rVV	90693	162514	3.11%	0.220%
17	15.051	2061	2068	2071	rBV2	34840	63763	1.22%	0.086%
18	15.309	2105	2112	2117	rBV2	149856	236580	4.52%	0.320%
19	15.404	2123	2128	2130	rBV2	44856	67087	1.28%	0.091%
20	15.433	2130	2133	2136	rVV	62269	83397	1.59%	0.113%
21	15.468	2136	2139	2144	rVB3	65051	91599	1.75%	0.124%
22	15.521	2144	2148	2151	rBV3	38945	58023	1.11%	0.078%
23	15.604	2157	2162	2172	rVB	78001	150059	2.87%	0.203%
24	15.751	2179	2187	2195	rVV	1543427	2214963	42.35%	2.994%
25	15.833	2195	2201	2210	rVB4	31809	85393	1.63%	0.115%
26	15.986	2223	2227	2234	rVB5	56860	93495	1.79%	0.126%
27	16.292	2272	2279	2280	rBV3	54815	84797	1.62%	0.115%
28	16.315	2280	2283	2287	rVV2	65903	98228	1.88%	0.133%
29	16.362	2287	2291	2296	rVV2	51601	77160	1.48%	0.104%
30	16.456	2305	2307	2312	rVB2	42348	63894	1.22%	0.086%
31	16.539	2318	2321	2324	rVV2	52555	76406	1.46%	0.103%
32	16.580	2324	2328	2332	rVB3	64474	94000	1.80%	0.127%
33	16.656	2337	2341	2348	rVB	116018	185230	3.54%	0.250%
34	16.756	2350	2358	2365	rVV5	92351	268080	5.13%	0.362%
35	16.821	2365	2369	2379	rVB	137362	221643	4.24%	0.300%
36	17.003	2394	2400	2403	rBV	688984	976283	18.66%	1.320%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042721\
Data File : BM029678.D
Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

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-BM042121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.045	2403	2407	2414	rVV	2413402	3308989	63.26%	4.473%
38	17.133	2414	2422	2428	rVV	535050	820138	15.68%	1.109%
39	17.198	2428	2433	2438	rVB3	63951	111708	2.14%	0.151%
40	17.409	2465	2469	2472	rVB	75469	87985	1.68%	0.119%
41	17.521	2484	2488	2493	rVV2	70611	84856	1.62%	0.115%
42	17.580	2494	2498	2508	rVB3	90150	147520	2.82%	0.199%
43	17.721	2519	2522	2528	rVB	47830	75627	1.45%	0.102%
44	17.798	2531	2535	2539	rBV2	42983	59978	1.15%	0.081%
45	17.880	2543	2549	2552	rVV	482558	714798	13.67%	0.966%
46	17.921	2552	2556	2564	rVB	748937	1258372	24.06%	1.701%
47	18.003	2565	2570	2576	rBV	256340	366353	7.00%	0.495%
48	18.068	2576	2581	2585	rBV2	603486	1120432	21.42%	1.515%
49	18.109	2585	2588	2595	rVB	411046	553589	10.58%	0.748%
50	18.280	2612	2617	2620	rBV3	42153	63797	1.22%	0.086%
51	18.380	2630	2634	2638	rBV	288556	379939	7.26%	0.514%
52	18.421	2638	2641	2647	rVB2	156473	219087	4.19%	0.296%
53	18.509	2652	2656	2662	rBV	70147	94092	1.80%	0.127%
54	18.627	2673	2676	2681	rVB2	148226	181258	3.47%	0.245%
55	18.680	2681	2685	2688	rVB	102147	116330	2.22%	0.157%
56	18.715	2688	2691	2696	rVB2	115338	157297	3.01%	0.213%
57	18.803	2700	2706	2710	rBV	332619	559090	10.69%	0.756%
58	18.862	2711	2716	2719	rVV2	200308	386472	7.39%	0.522%
59	18.892	2719	2721	2725	rVV	121728	149676	2.86%	0.202%
60	18.945	2725	2730	2737	rVB2	274279	489065	9.35%	0.661%
61	19.068	2745	2751	2756	rBV	3857133	4992362	95.44%	6.749%
62	19.133	2758	2762	2765	rVV	80765	121643	2.33%	0.164%
63	19.168	2765	2768	2770	rVV2	123670	157629	3.01%	0.213%
64	19.197	2770	2773	2779	rVV4	134287	216838	4.15%	0.293%
65	19.268	2780	2785	2787	rVV5	74209	137339	2.63%	0.186%
66	19.309	2789	2792	2796	rVV2	142148	210818	4.03%	0.285%
67	19.345	2796	2798	2802	rVB2	67330	82450	1.58%	0.111%
68	19.433	2808	2813	2821	rVB	3632642	5230637	100.00%	7.071%
69	19.503	2821	2825	2832	rVB2	216506	381229	7.29%	0.515%
70	19.639	2838	2848	2852	rBV	3359361	4355382	83.27%	5.888%
71	19.756	2862	2868	2875	rBV3	310864	779631	14.91%	1.054%
72	19.844	2880	2883	2886	rVV3	79315	104917	2.01%	0.142%
73	19.892	2886	2891	2893	rVV5	255611	467088	8.93%	0.631%
74	19.927	2893	2897	2901	rVB	429129	663943	12.69%	0.898%
75	20.027	2910	2914	2917	rBV	242940	268101	5.13%	0.362%
76	20.080	2918	2923	2928	rVV2	476503	765587	14.64%	1.035%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042721\
Data File : BM029678.D
Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

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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Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.121	2928	2930	2934	rVB	103906	119209	2.28%	0.161%
78	20.162	2935	2937	2942	rVB2	83384	108980	2.08%	0.147%
79	20.221	2944	2947	2951	rBV	294590	354035	6.77%	0.479%
80	20.268	2951	2955	2959	rVB	310313	404297	7.73%	0.547%
81	20.674	3020	3024	3030	rVB	397537	563629	10.78%	0.762%
82	20.839	3046	3052	3055	rBV2	314425	563876	10.78%	0.762%
83	20.874	3055	3058	3061	rVV	420994	499181	9.54%	0.675%
84	20.915	3061	3065	3070	rVV2	593142	963237	18.42%	1.302%
85	20.968	3071	3074	3082	rVB	372461	536191	10.25%	0.725%
86	21.180	3105	3110	3115	rBV2	2616139	4773077	91.25%	6.453%
87	21.227	3115	3118	3128	rVB	2235513	2891844	55.29%	3.909%
88	21.344	3135	3138	3144	rBV	214080	349437	6.68%	0.472%
89	21.503	3160	3165	3169	rBV3	224665	401542	7.68%	0.543%
90	21.733	3201	3204	3208	rVB	470033	549874	10.51%	0.743%
91	21.780	3209	3212	3218	rVB	276251	377058	7.21%	0.510%
92	21.921	3234	3236	3239	rBV	152419	137777	2.63%	0.186%
93	22.727	3367	3373	3378	rBV	1747730	3959326	75.69%	5.353%
94	22.891	3397	3401	3411	rVB	306100	487999	9.33%	0.660%
95	23.191	3447	3452	3460	rVB	1062779	2009490	38.42%	2.717%
96	23.285	3462	3468	3475	rVV	1556917	2733701	52.26%	3.696%
97	23.380	3479	3484	3488	rVV2	666764	1338379	25.59%	1.809%
98	23.427	3488	3492	3500	rVB2	430308	869013	16.61%	1.175%
99	25.568	3849	3856	3867	rVB2	791044	2166875	41.43%	2.929%
100	26.238	3963	3970	3982	rVB	575110	1657451	31.69%	2.241%

Sum of corrected areas: 73970564

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042721\
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Acq On : 27 Apr 2021 17:51
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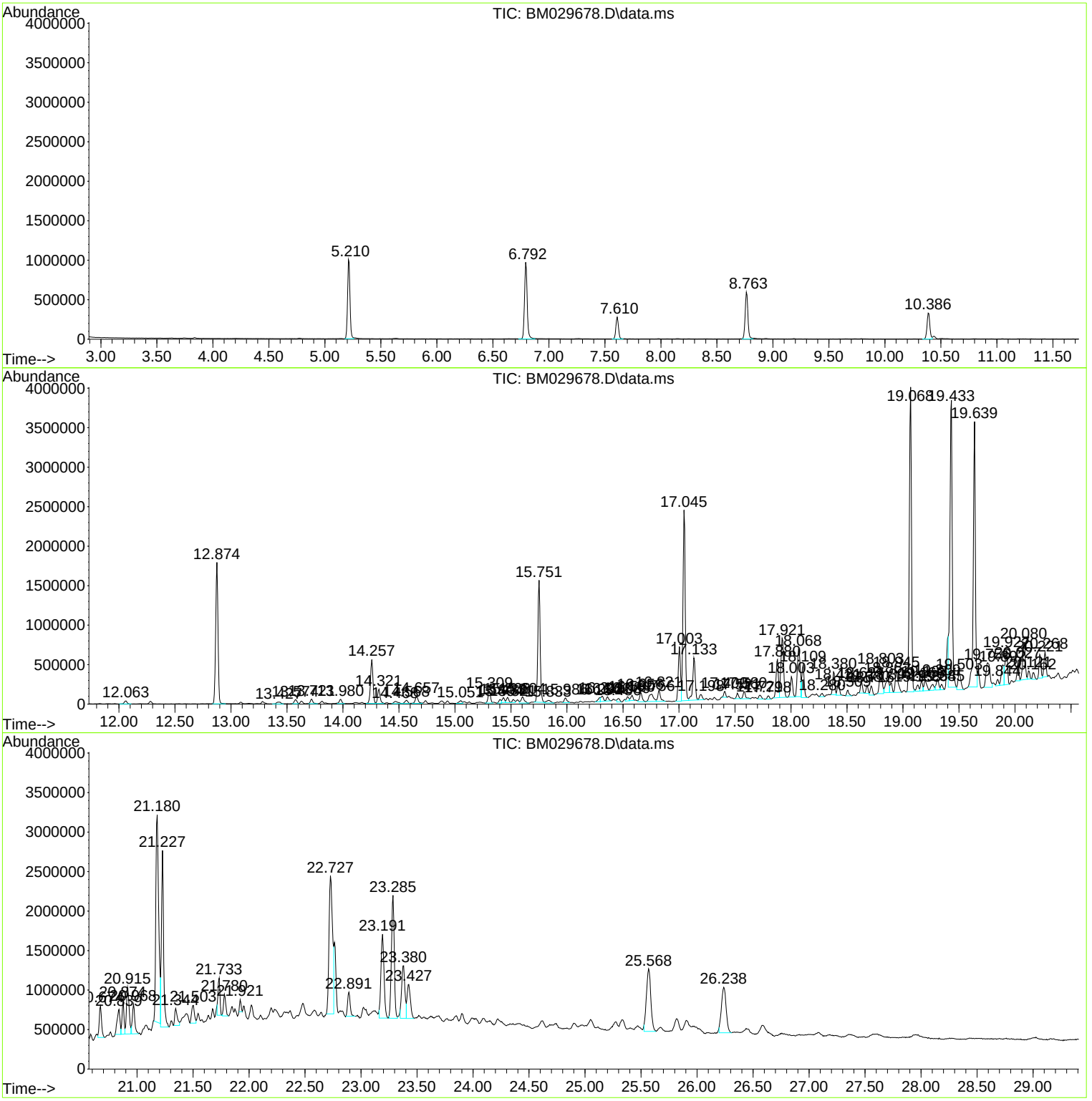
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042721\
Data File : BM029678.D
Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

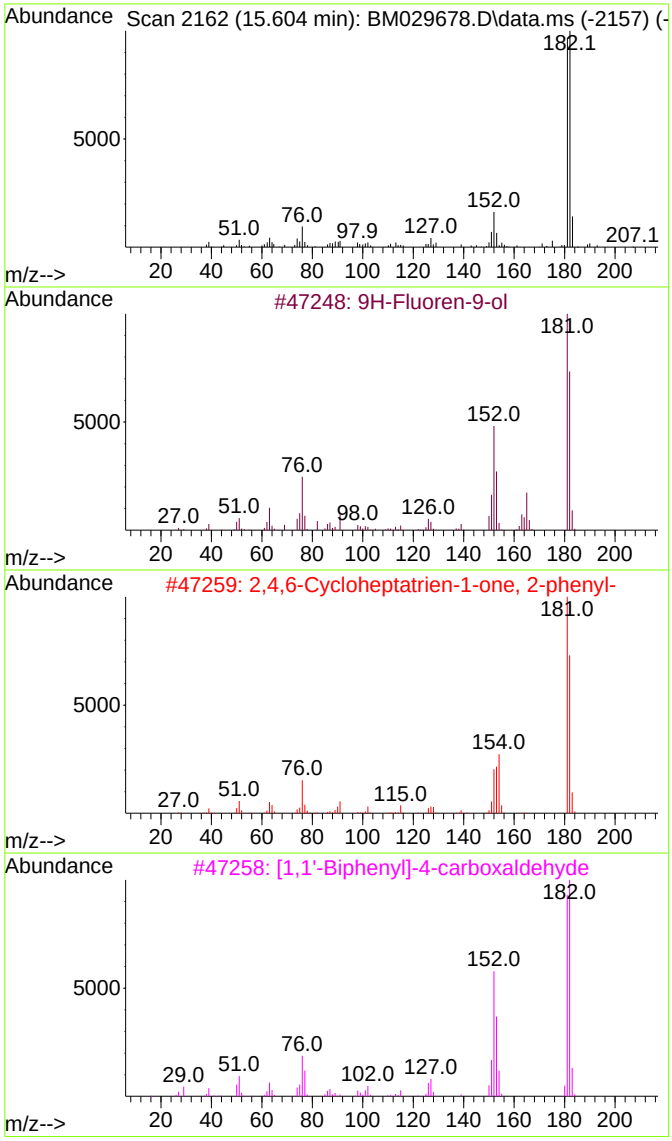
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

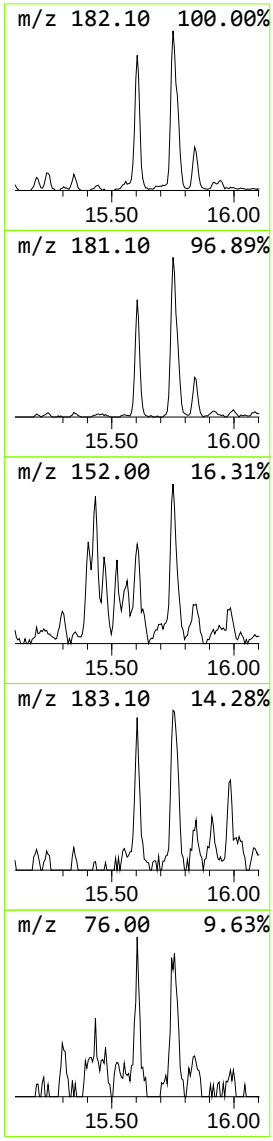
****

Peak Number 1 9H-Fluoren-9-ol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.604	3.62 ng	150059	Acenaphthene-d10	14.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042721\
Data File : BM029678.D
Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

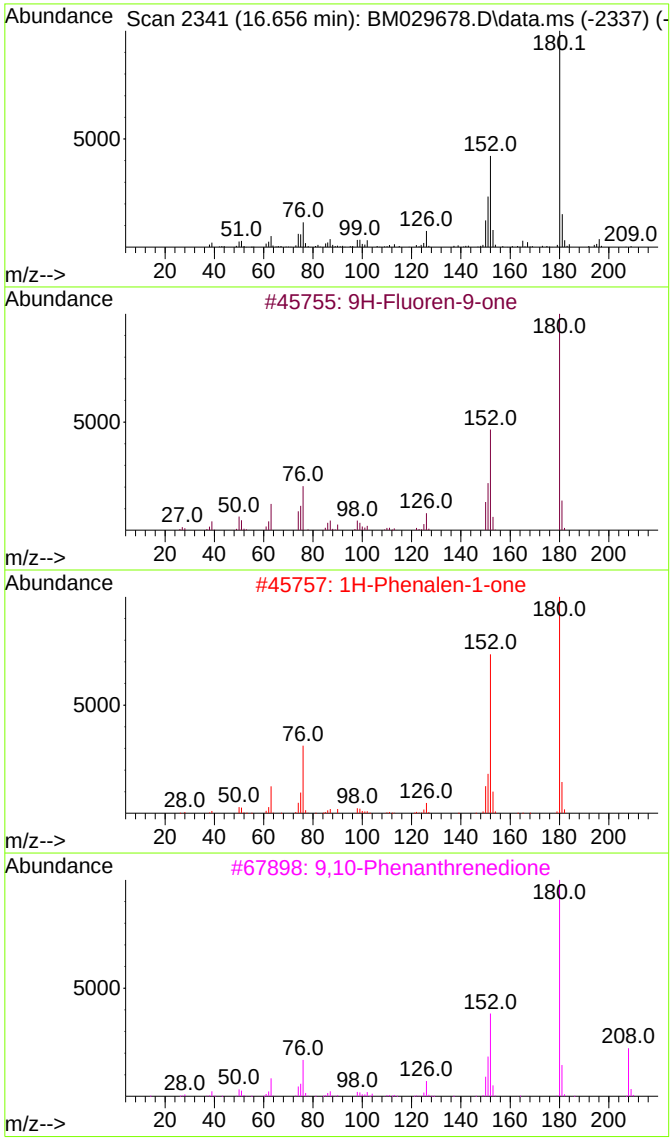
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

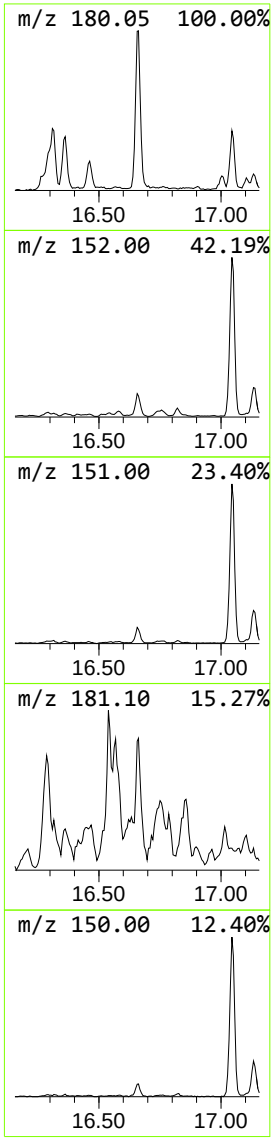
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.657	3.79 ng	185230	Phenanthrene-d10	17.003

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	86
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	86
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042721\
Data File : BM029678.D
Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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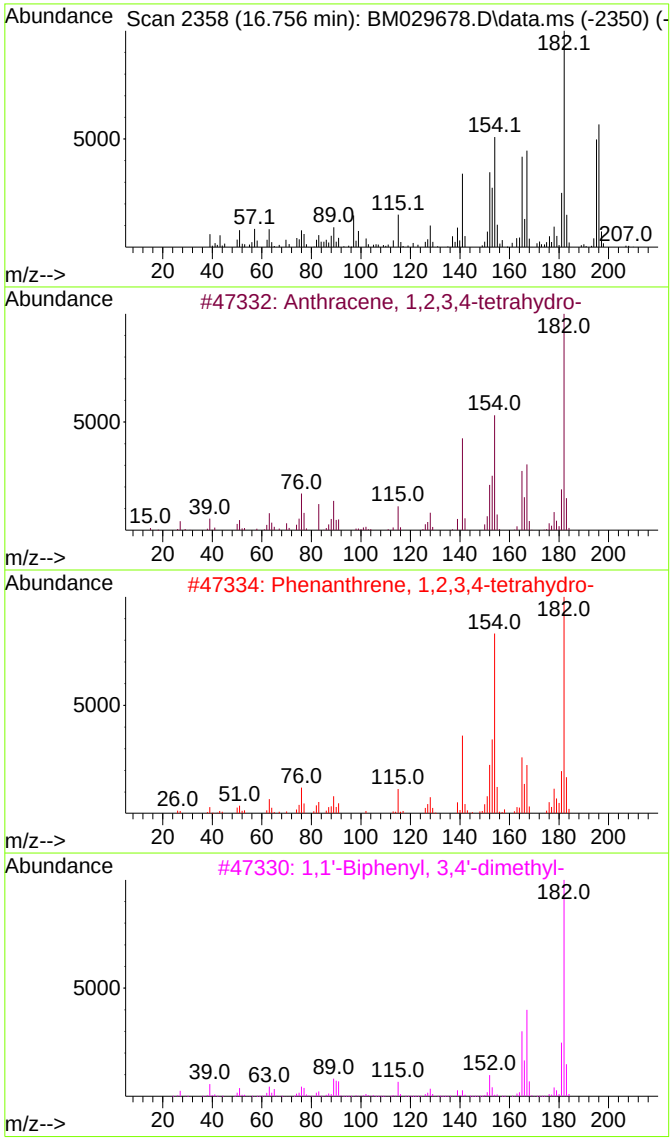
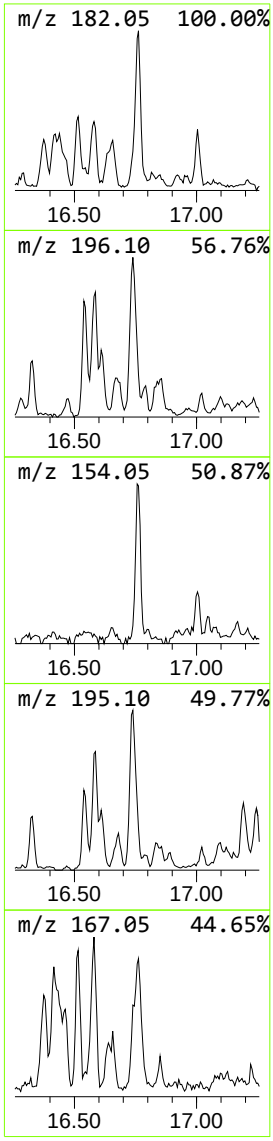
****
Peak Number 3 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.756	5.49 ng	268080	Phenanthrene-d10	17.003

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	78
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	55
3	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	49
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042721\
Data File : BM029678.D
Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

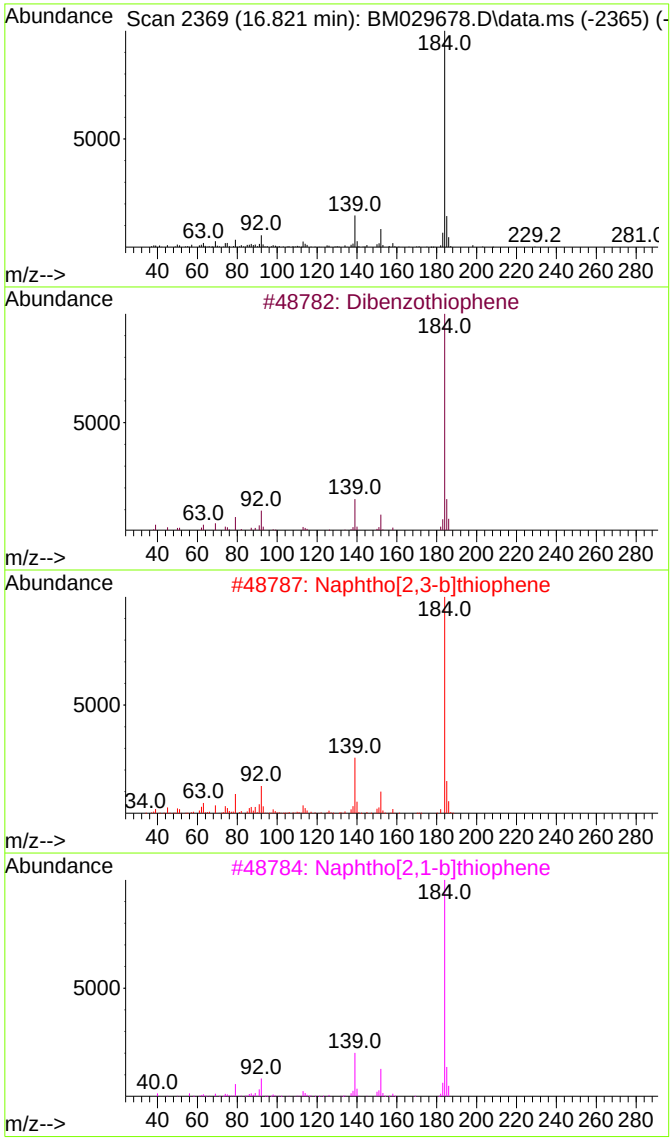
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

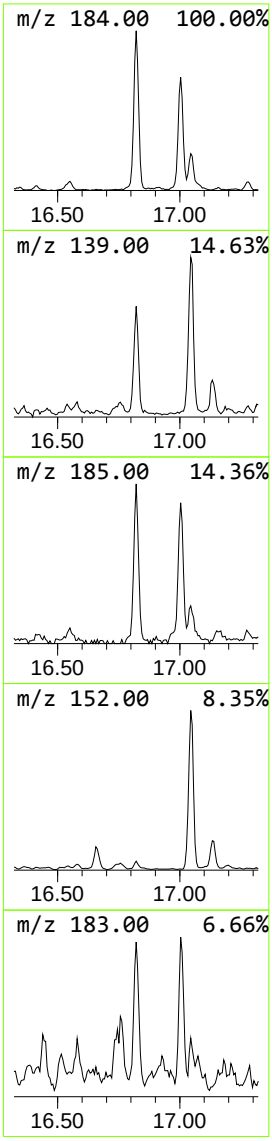
****

Peak Number 4 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.821	4.54 ng	221643	Phenanthrene-d10	17.003

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042721\
Data File : BM029678.D
Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

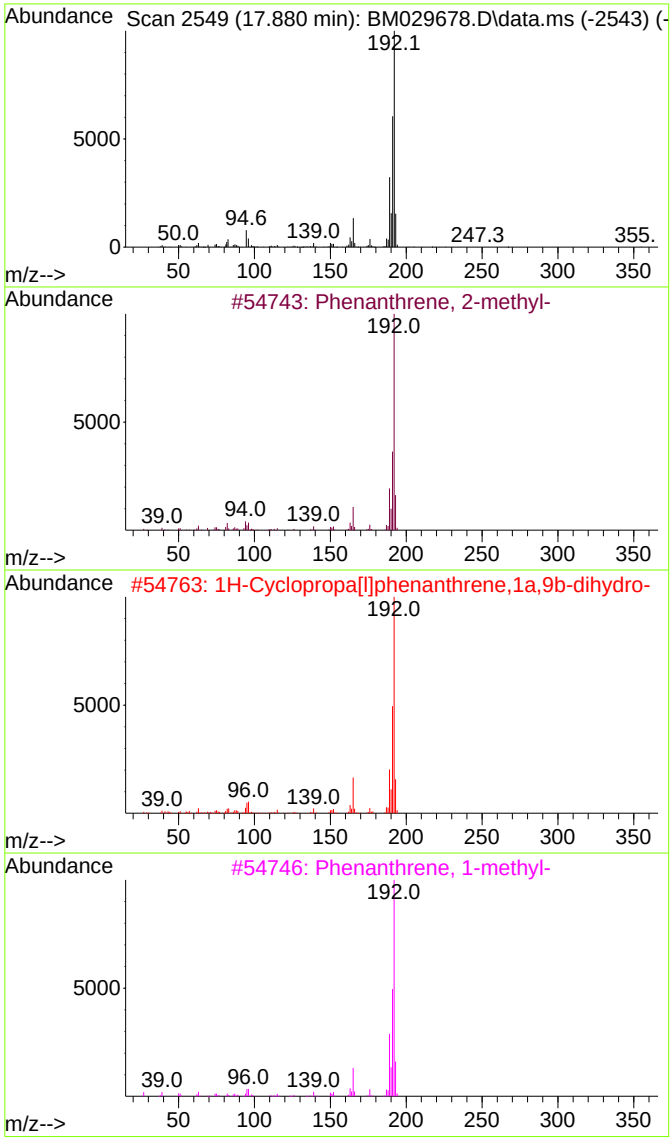
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

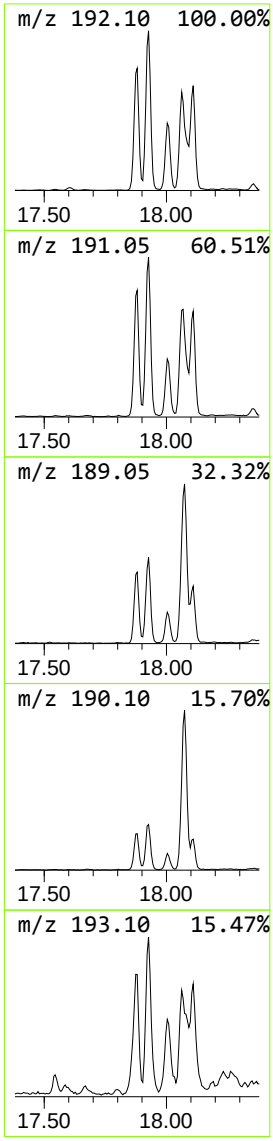
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.880	14.64 ng	714798	Phenanthrene-d10	17.003

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Data File : BM029678.D
Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

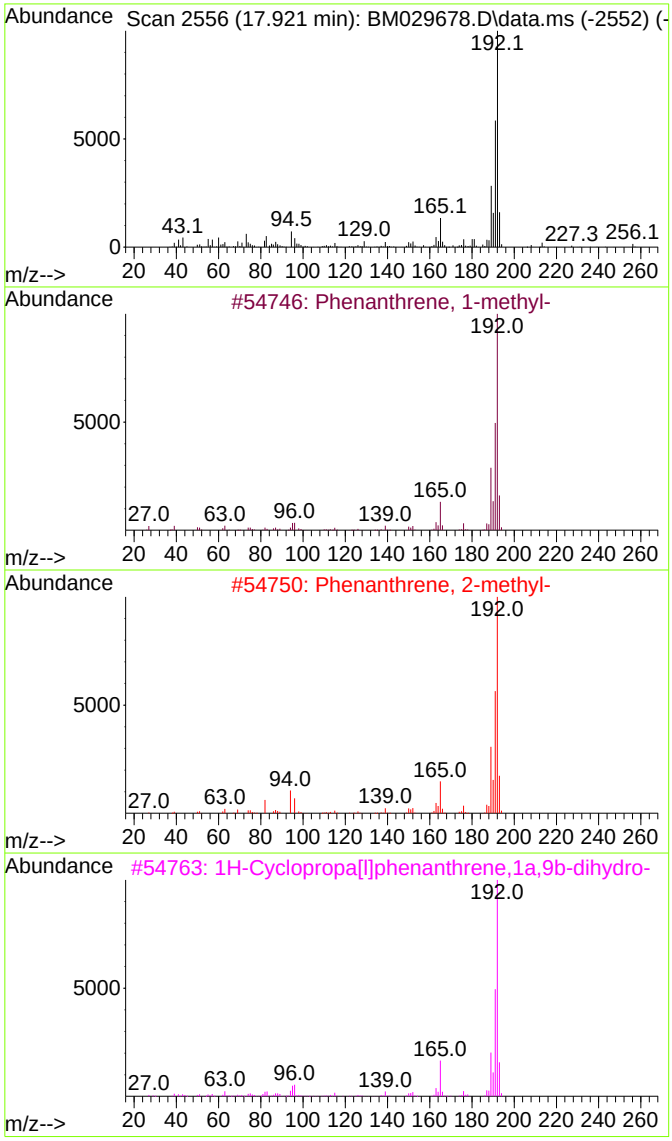
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

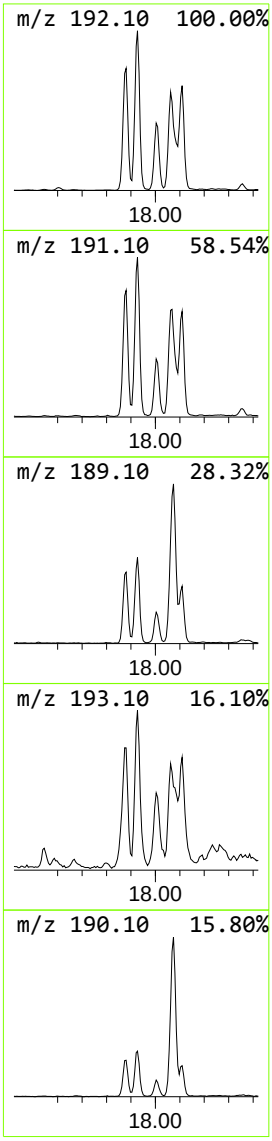
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.921	25.78 ng	1258370	Phenanthrene-d10	17.003

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	93





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Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

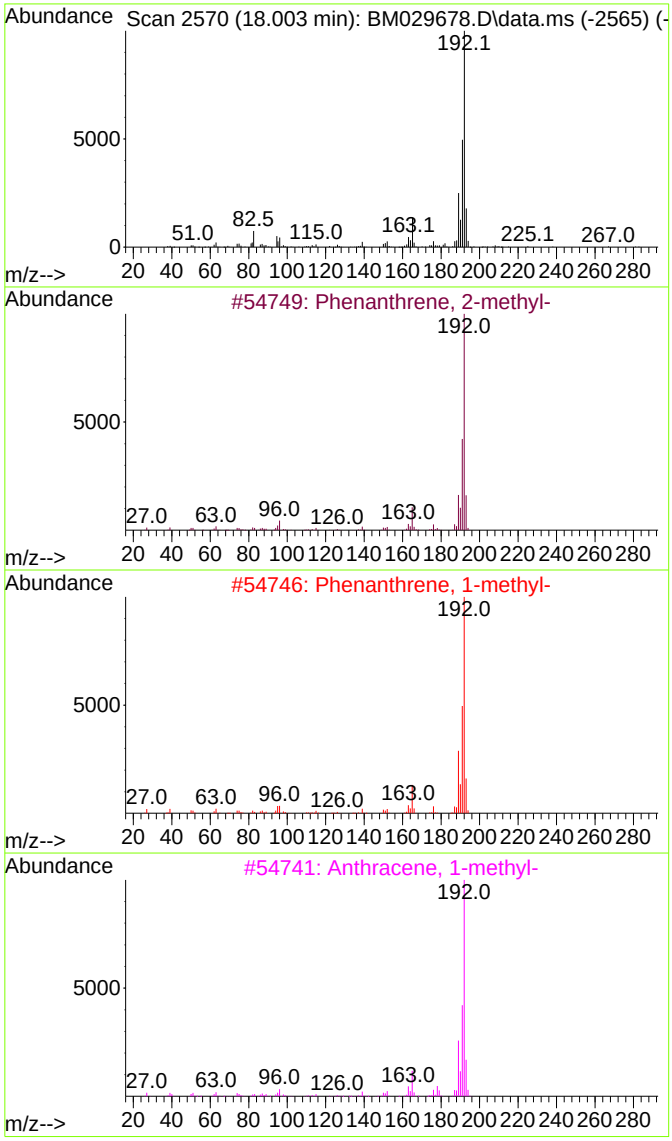
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

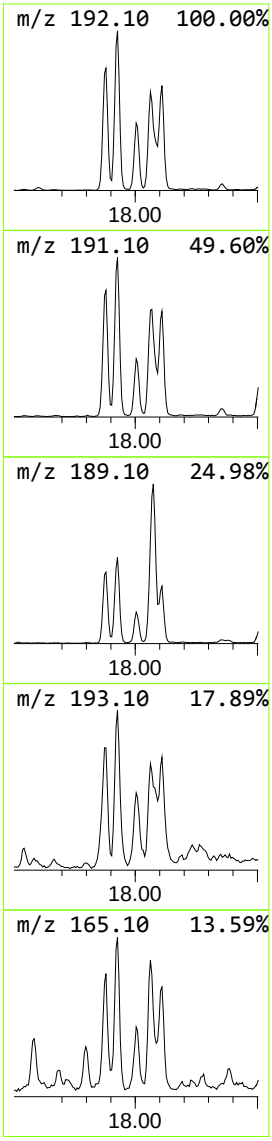
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.003	7.51 ng	366353	Phenanthrene-d10	17.003

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

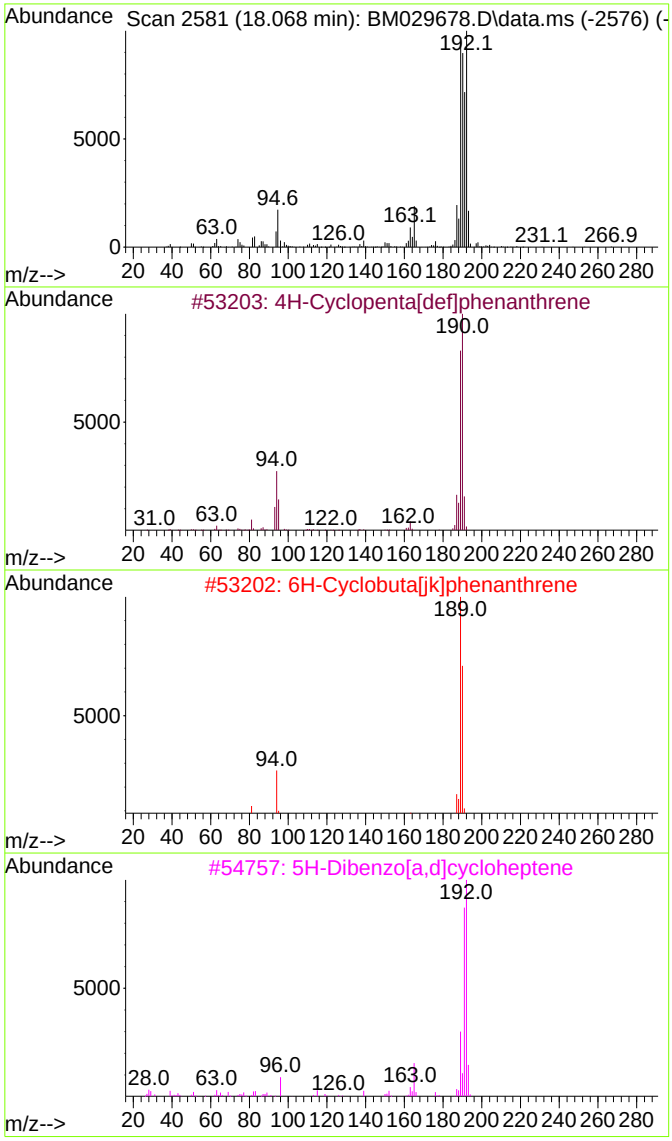
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

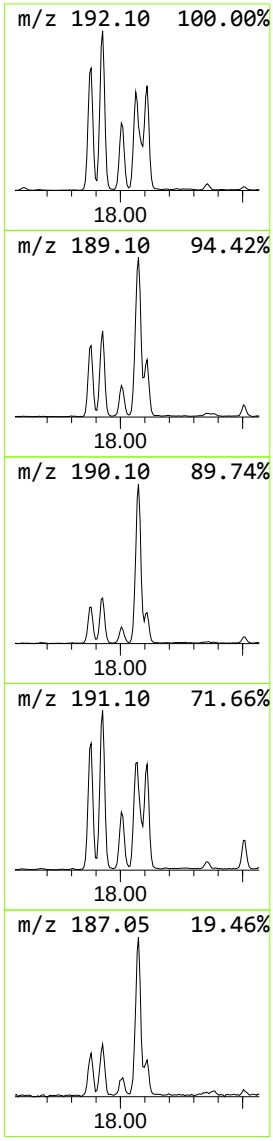
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.068	22.95 ng	1120430	Phenanthrene-d10	17.003

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	45





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Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

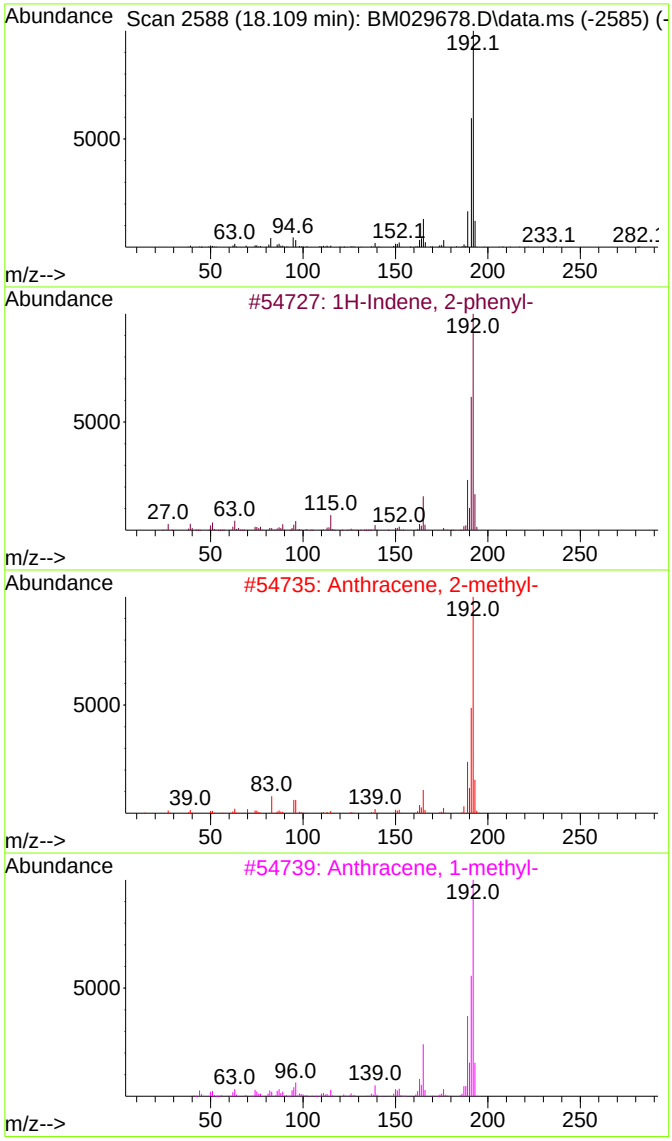
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

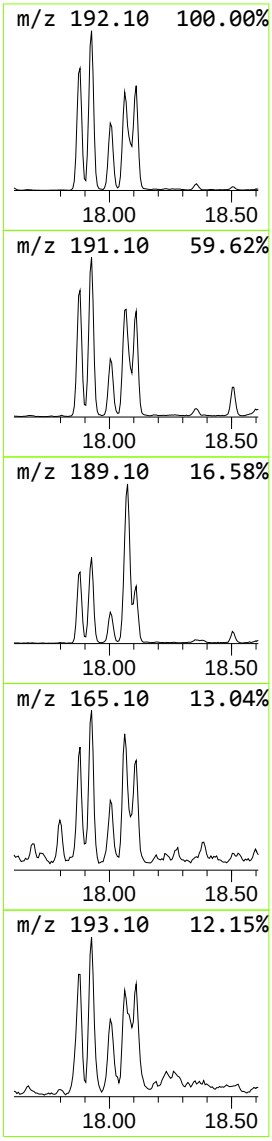
****

Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.109	11.34 ng	553589	Phenanthrene-d10	17.003

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	83





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Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DS-1

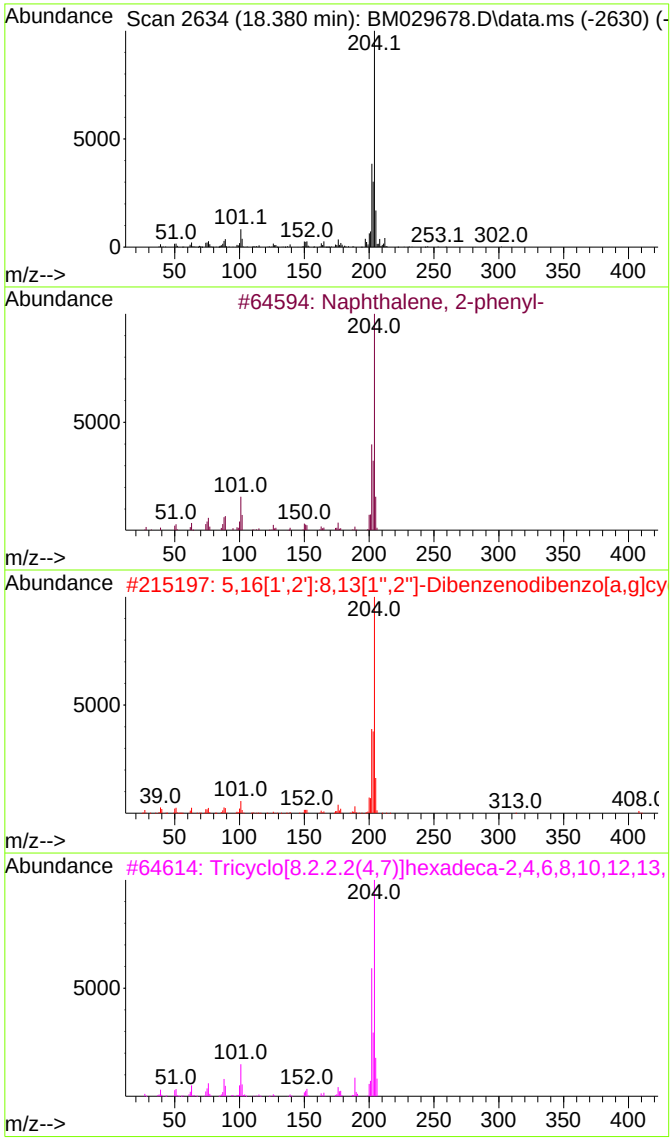
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

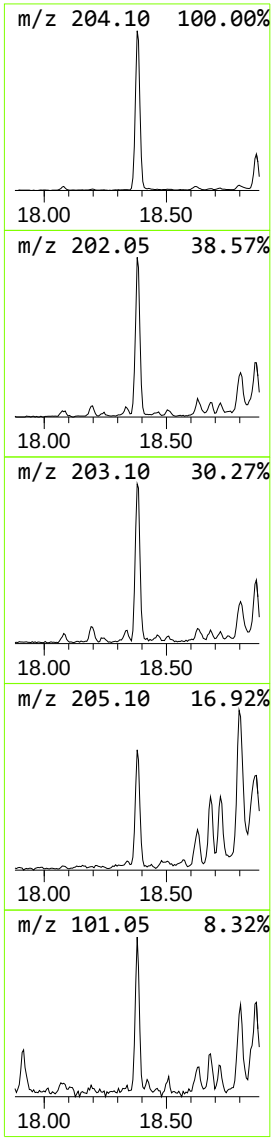
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.380	7.78 ng	379939	Phenanthrene-d10	17.003

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49





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Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

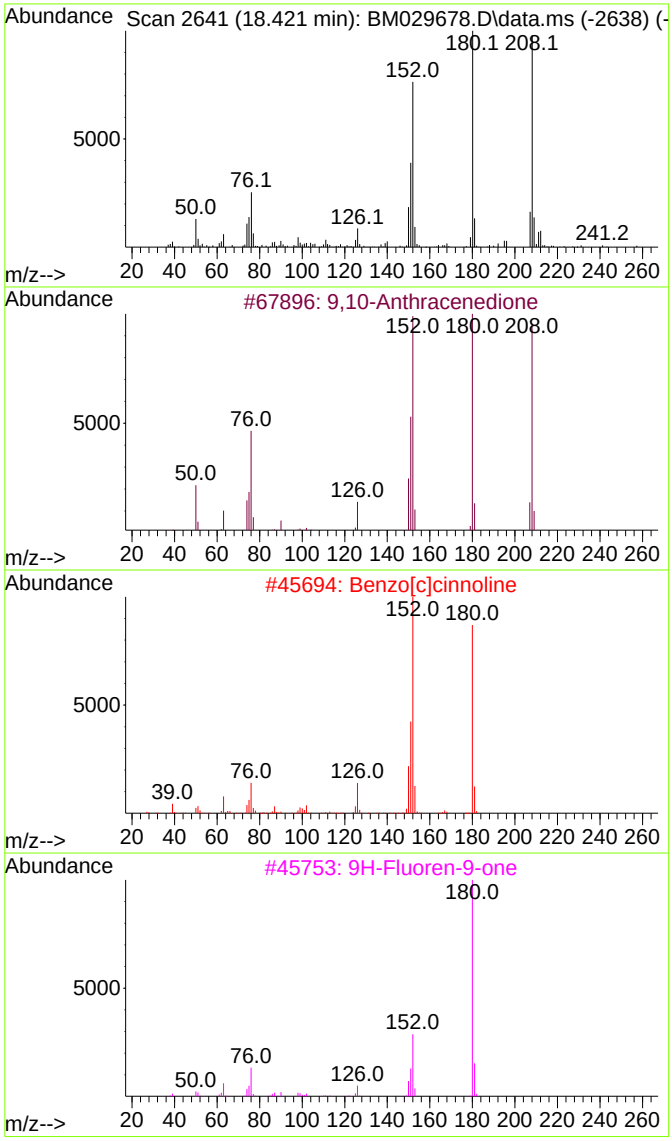
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

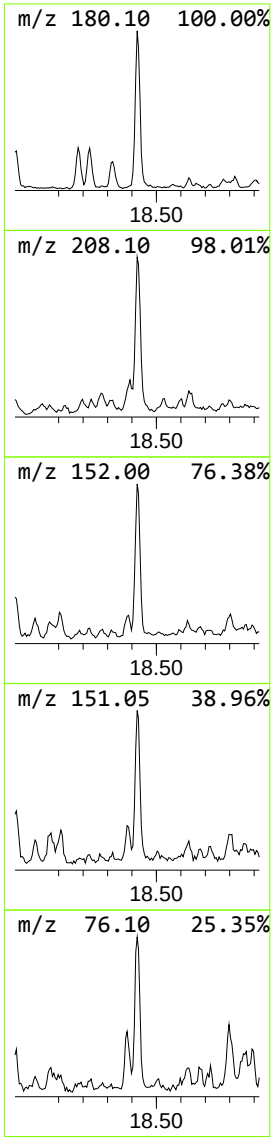
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.421	4.49 ng	219087	Phenanthrene-d10	17.003

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58





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Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DS-1

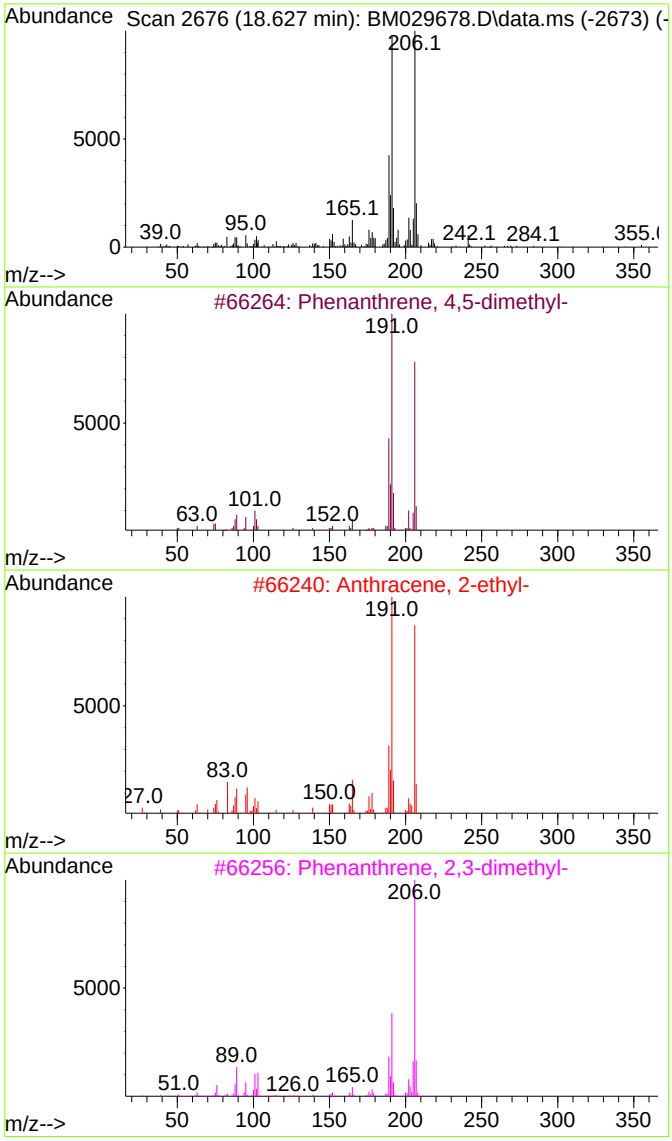
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

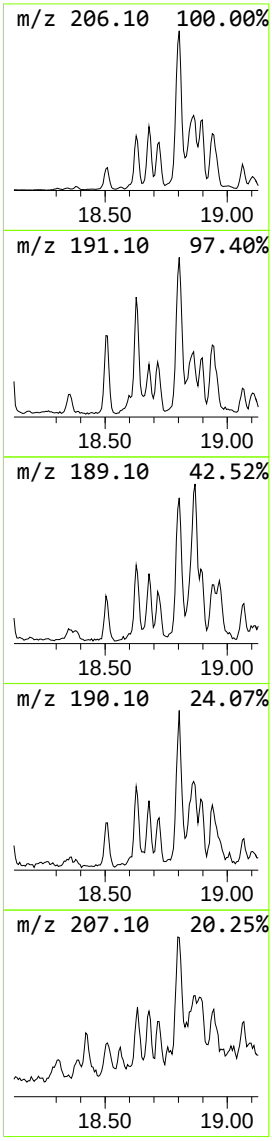
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.627	3.71 ng	181258	Phenanthrene-d10	17.003

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	81
5	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	76





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Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

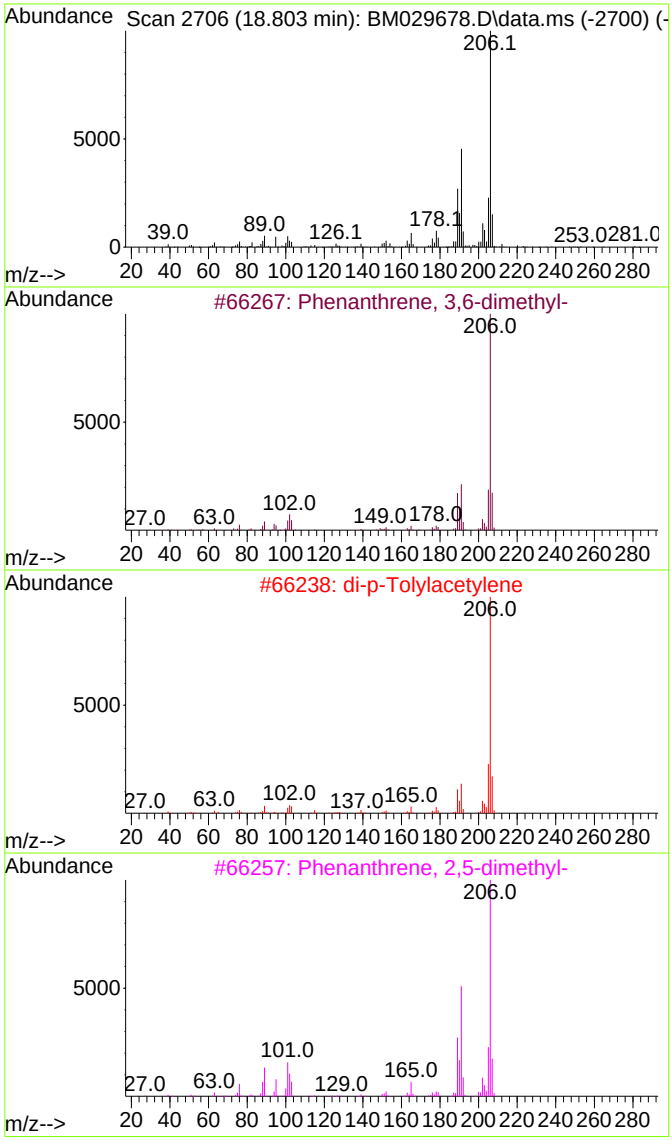
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

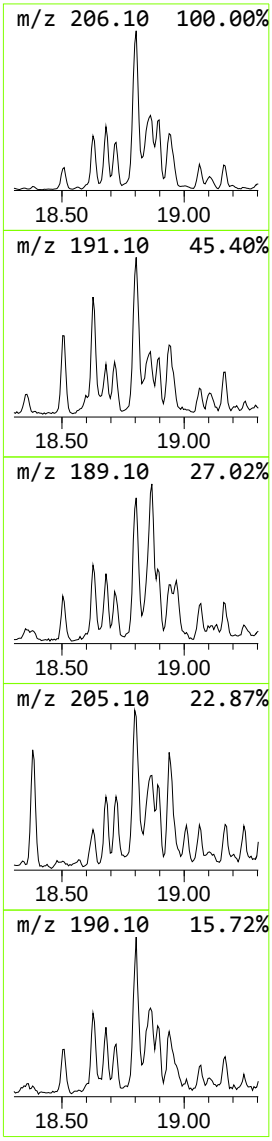
****

Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.803	11.45 ng	559090	Phenanthrene-d10	17.003

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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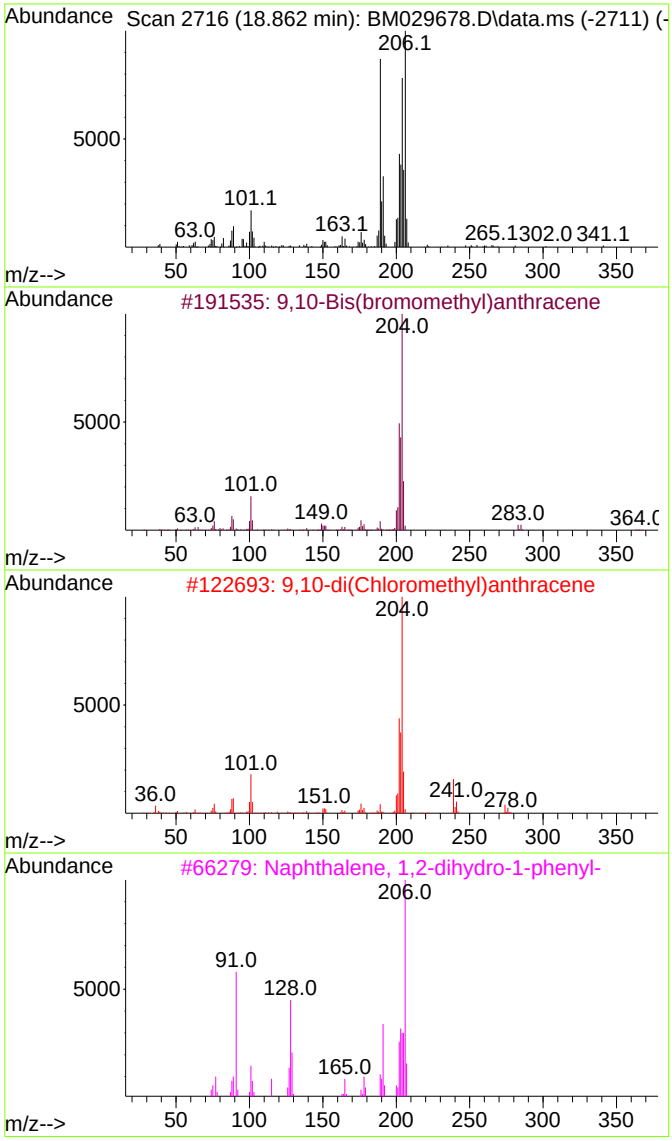
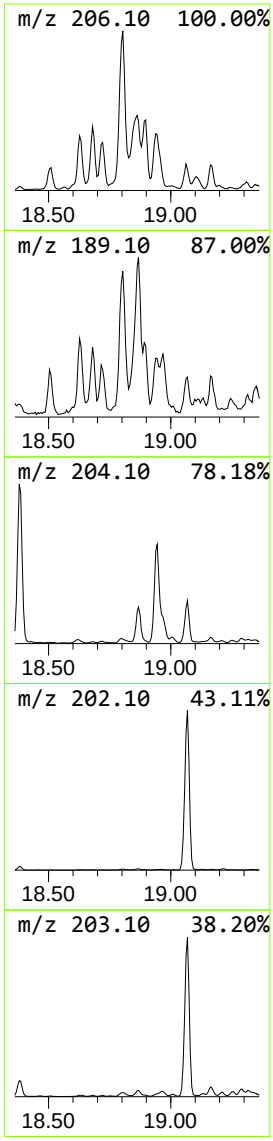
Peak Number 14 unknown18.86 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.862	7.92 ng	386472	Phenanthrene-d10	17.003

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	41
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	30





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DS-1

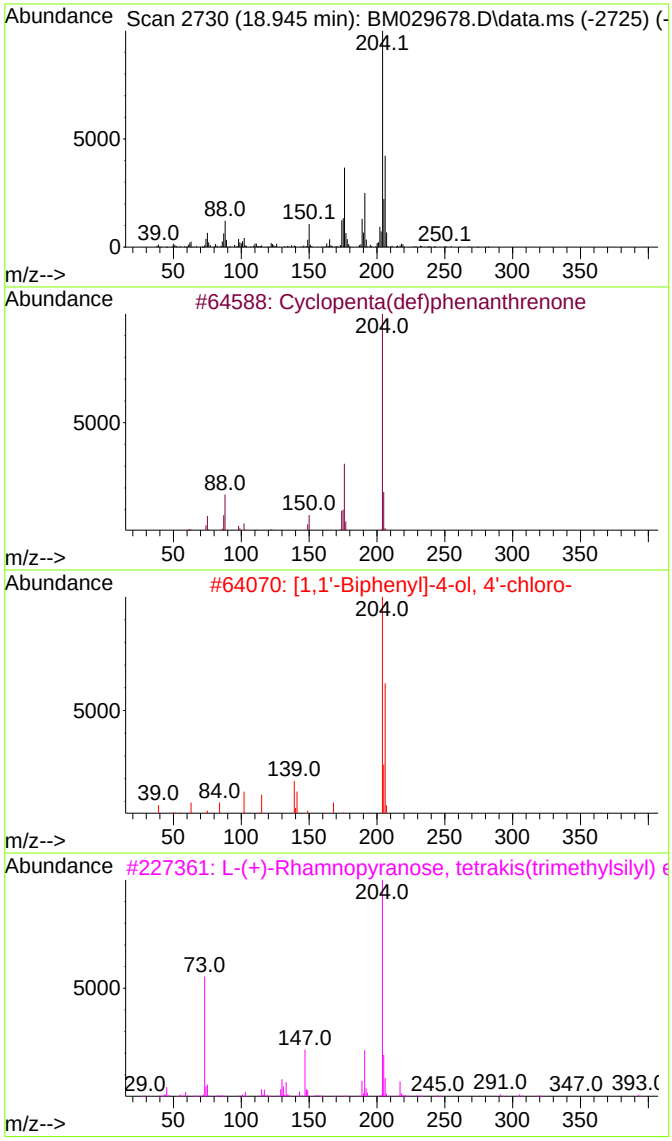
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

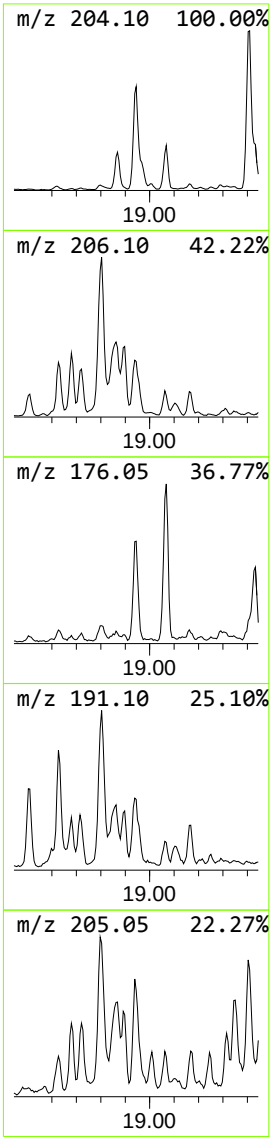
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.945	10.02 ng	489065	Phenanthrene-d10	17.003

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
3	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	46
5	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43





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Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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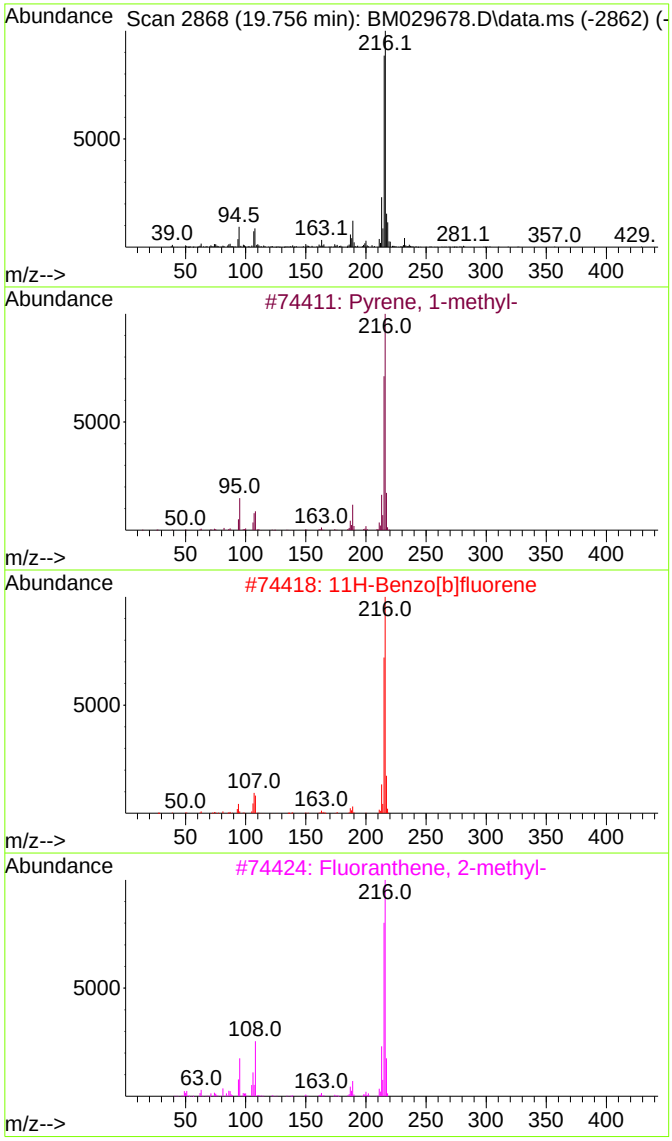
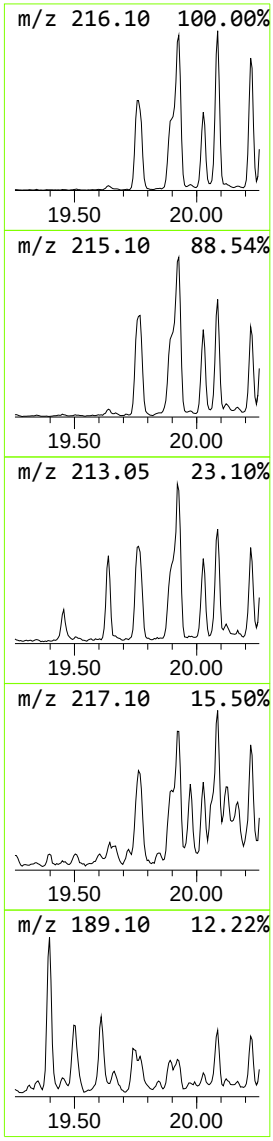
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.756	3.27 ng	779631	Chrysene-d12	21.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





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Data File : BM029678.D
Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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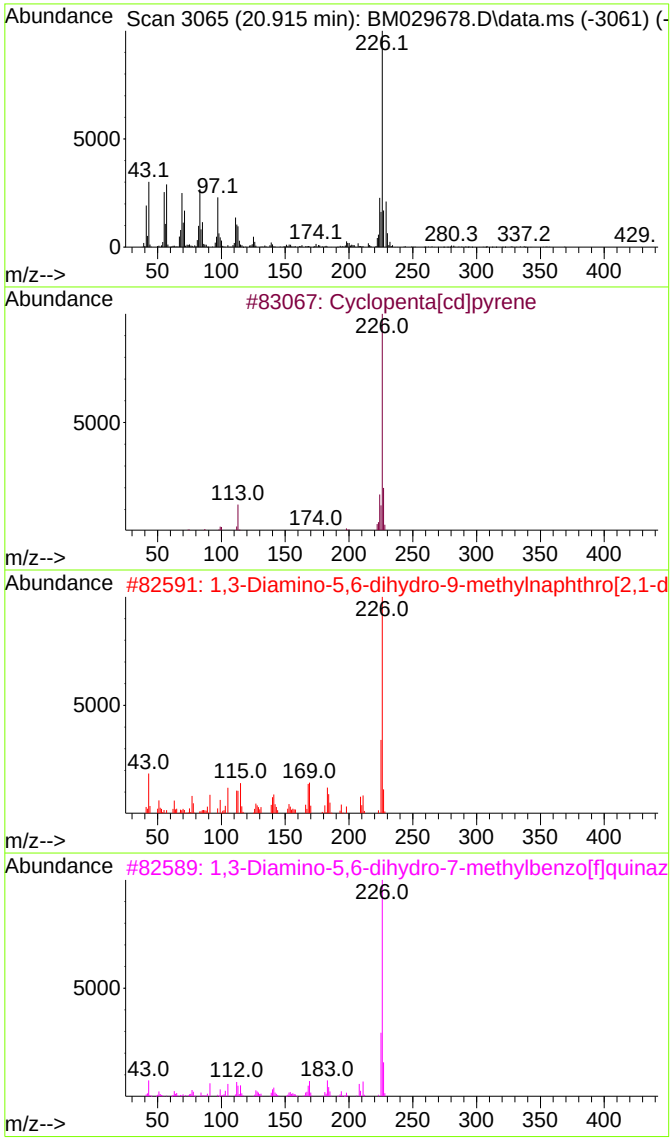
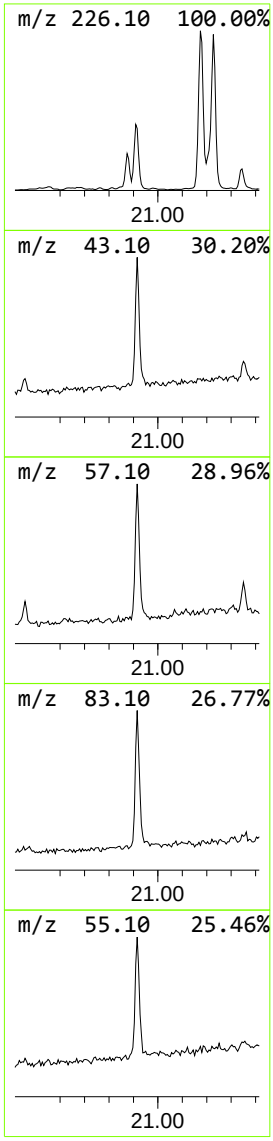
Peak Number 17 unknown20.91 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.915	4.04 ng	963237	Chrysene-d12	21.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	43
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	43
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38
5	1-Bromo-2,3-dichlorobenzene	224	C6H3BrCl2	056961-77-4	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042721\
Data File : BM029678.D
Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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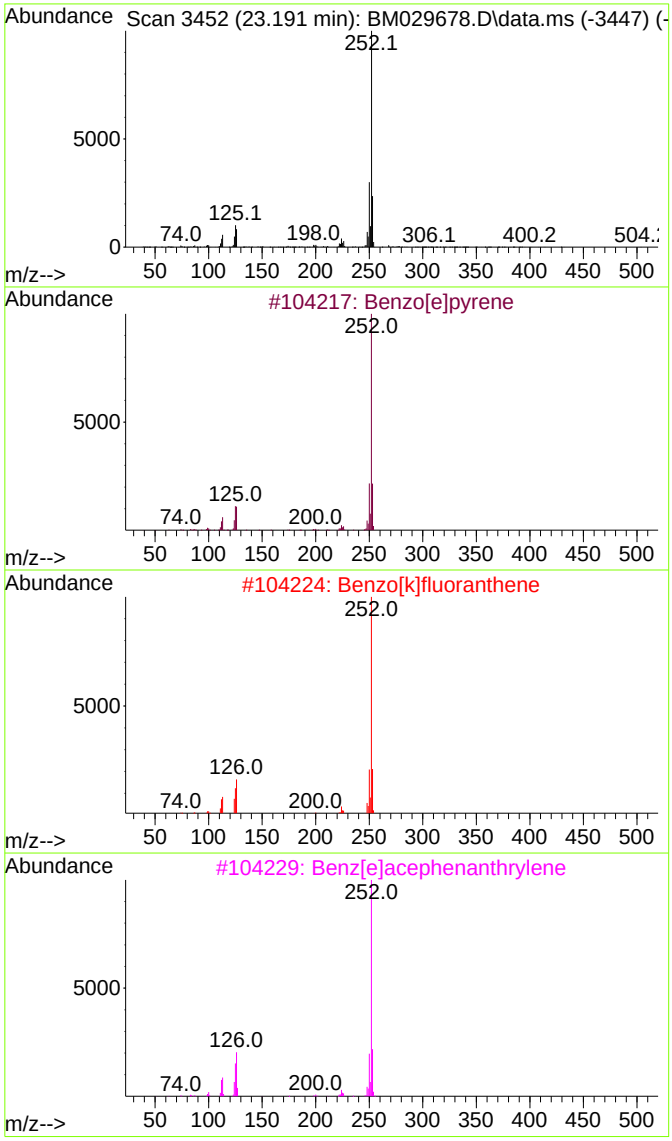
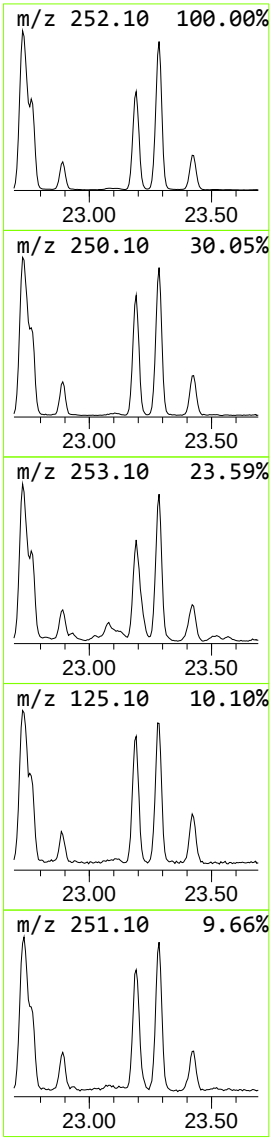
Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.191	30.03 ng	2009490	Perylene-d12	23.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042721\
Data File : BM029678.D
Acq On : 27 Apr 2021 17:51
Operator : CG/JU
Sample : M2170-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
9H-Fluoren-9-ol	15.604	3.6	ng	150059	3	14.257	829280	20.0
9H-Fluoren-9-one	16.657	3.8	ng	185230	4	17.003	976283	20.0
Anthracene, 1,2...	16.756	5.5	ng	268080	4	17.003	976283	20.0
Dibenzothiophene	16.821	4.5	ng	221643	4	17.003	976283	20.0
1H-Cyclopropa[l...	17.880	14.6	ng	714798	4	17.003	976283	20.0
Phenanthrene, 1...	17.921	25.8	ng	1258370	4	17.003	976283	20.0
Phenanthrene, 2...	18.003	7.5	ng	366353	4	17.003	976283	20.0
4H-Cyclopenta[d...	18.068	22.9	ng	1120430	4	17.003	976283	20.0
1H-Indene, 2-ph...	18.109	11.3	ng	553589	4	17.003	976283	20.0
Naphthalene, 2-...	18.380	7.8	ng	379939	4	17.003	976283	20.0
9,10-Anthracene...	18.421	4.5	ng	219087	4	17.003	976283	20.0
Phenanthrene, 4...	18.627	3.7	ng	181258	4	17.003	976283	20.0
Phenanthrene, 3...	18.803	11.4	ng	559090	4	17.003	976283	20.0
unknown18.86	18.862	7.9	ng	386472	4	17.003	976283	20.0
Cyclopenta(def)...	18.945	10.0	ng	489065	4	17.003	976283	20.0
Pyrene, 1-methyl-	19.756	3.3	ng	779631	5	21.192	4773080	20.0
unknown20.91	20.915	4.0	ng	963237	5	21.192	4773080	20.0
Benzo[e]pyrene	23.191	30.0	ng	2009490	6	23.374	1338380	20.0