LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

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_P\METHODS\8270-BP071020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.187	385	391	405	rBV	206766	340116	9.34%	0.779%
2	6.764	652	659	674	rBV	200770	383722	10.53%	0.879%
3	7.558	787	794	810	rBV	761974	1226882	33.68%	2.809%
4	8.093	879	885	895	rBV	18457	42047	1.15%	0.096%
5	8.711	983	990	1003	rBV	120011	230705	6.33%	0.528%
6	10.334	1257	1266	1273	rBV	1008465	1810264	49.69%	4.145%
7	12.010	1543	1551	1558	rVB	20839	39893	1.09%	0.091%
8	12.228	1583	1588	1596	rVB	24984	39977	1.10%	0.092%
9	12.822	1683	1689	1701	rBV	388933	576711	15.83%	1.321%
10	13.387	1777	1785	1791	rBV6	17297	46191	1.27%	0.106%
11	13.534	1803	1810	1815	rBV	41411	75605	2.08%	0.173%
12	13.669	1824	1833	1840	rBV2	96265	168323	4.62%	0.385%
13	13.928	1871	1877	1888	rBV	258838	415682	11.41%	0.952%
14	14.210	1918	1925	1932	rBV	1621647	2425617	66.58%	5.554%
15	14.275	1932	1936	1940	rVB	47443	65739	1.80%	0.151%
16	14.434	1958	1963	1970	rBV4	16138	38419	1.05%	0.088%
17	14.622	1987	1995	2003	rBV2	45532	93648	2.57%	0.214%
18	14.698	2004	2008	2014	rVB	34819	49131	1.35%	0.113%
19	14.840	2025	2032	2038	rBV4	40449	93230	2.56%	0.213%
20	15.093	2071	2075	2083	rVB2	54072	91991	2.52%	0.211%
21	15.216	2092	2096	2100	rVB2	35204	48441	1.33%	0.111%
22	15.269	2100	2105	2118	rVB2	93685	198795	5.46%	0.455%
23	15.487	2136	2142	2145	rBV6	19291	49514	1.36%	0.113%
24	15.569	2151	2156	2159	rBV2	31482	50781	1.39%	0.116%
25	15.716	2176	2181	2190	rVB2	276668	437014	12.00%	1.001%
26	15.963	2216	2223	2227	rBV4	50283	113954	3.13%	0.261%
27	16.281	2270	2277	2282	rBV3	41252	98157	2.69%	0.225%
28	16.328	2282	2285	2290	rVB2	39667	59069	1.62%	0.135%
29	16.428	2299	2302	2308	rVB4	25960	40294	1.11%	0.092%
30	16.551	2320	2323	2328	rVB2	39033	49672	1.36%	0.114%
31	16.628	2332	2336	2345	rVB2	84482	139502	3.83%	0.319%
32	16.710	2346	2350	2355	rBV4	27247	47292	1.30%	0.108%
33	16.787	2356	2363	2367	rBV	98429	175902	4.83%	0.403%
34	16.969	2388	2394	2398	rBV	1792345	2632050	72.24%	6.027%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

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_P\METHODS\8270-BP071020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.010	2398	2401	2409	rVV	992664	1364287	37.45%	3.124%
36	17.104	2412	2417	2423	rVB	361576	493283	13.54%	1.130%
37	17.169	2423	2428	2435	rBV3	57075	110926	3.04%	0.254%
38	17.292	2446	2449	2454	rVB	44400	58951	1.62%	0.135%
39	17.381	2461	2464	2469	rBV	33534	44641	1.23%	0.102%
40	17.504	2481	2485	2488	rVB2	61814	86505	2.37%	0.198%
41	17.557	2490	2494	2503	rVB2	143041	210840	5.79%	0.483%
42	17.704	2514	2519	2524	rVB	86433	160363	4.40%	0.367%
43	17.775	2527	2531	2535	rBV	48001	72843	2.00%	0.167%
44	17.851	2539	2544	2548	rVV	369885	535651	14.70%	1.227%
45	17.898	2548	2552	2558	rVB	480329	625962	17.18%	1.433%
46	17.975	2561	2565	2569	rVV	163107	215722	5.92%	0.494%
47	18.034	2570	2575	2579	rVV2	513777	870047	23.88%	1.992%
48	18.075	2579	2582	2590	rVB	304817	420729	11.55%	0.963%
49	18.187	2598	2601	2606	rVB3	59108	80035	2.20%	0.183%
50	18.239	2606	2610	2614	rVB	89731	114868	3.15%	0.263%
51	18.339	2623	2627	2630	rBV2	196278	246620	6.77%	0.565%
52	18.381	2630	2634	2644	rVB2	158306	312152	8.57%	0.715%
53	18.551	2660	2663	2665	rBV	85129	103624	2.84%	0.237%
54	18.581	2665	2668	2673	rVV2	134652	208020	5.71%	0.476%
55	18.634	2673	2677	2680	rVV	261789	346238	9.50%	0.793%
56	18.669	2680	2683	2687	rVB2	144471	182709	5.01%	0.418%
57	18.745	2692	2696	2701	rVV	411625	670753	18.41%	1.536%
58	18.804	2701	2706	2710	rVV2	237639	480656	13.19%	1.101%
59	18.839	2710	2712	2715	rVB	137393	132867	3.65%	0.304%
60	18.881	2715	2719	2726	rBV2	268789	467182	12.82%	1.070%
61	19.004	2734	2740	2746	rBV	1941820	2635218	72.33%	6.034%
62	19.069	2748	2751	2754	rVV	93339	116642	3.20%	0.267%
63	19.098	2754	2756	2760	rVB2	96042	107900	2.96%	0.247%
64	19.145	2761	2764	2769	rBV	135258	188054	5.16%	0.431%
65	19.239	2777	2780	2785	rBV3	99594	137409	3.77%	0.315%
66	19.351	2791	2799	2808	rBV	2122956	3420047	93.87%	7.831%
67	19.439	2809	2814	2819	rVB3	187463	344002	9.44%	0.788%
68	19.528	2826	2829	2831	rBV2	111557	147873	4.06%	0.339%
69	19.557	2831	2834	2837	rVV	571430	666291	18.29%	1.526%
70	19.586	2837	2839	2846	rVB3	134344	198188	5.44%	0.454%
71	19.675	2849	2854	2865	rBV6	275267	708219	19.44%	1.622%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

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_P\METHODS\8270-BP071020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.763	2866	2869	2872	rBV	82998	100310	2.75%	0.230%
73	19.810	2873	2877	2879	rVV3	235542	394165	10.82%	0.903%
74	19.839	2879	2882	2887	rVB2	395809	514766	14.13%	1.179%
75	19.939	2896	2899	2903	rVB2	200744	218394	5.99%	0.500%
76	19.992	2904	2908	2913	rVV2	372906	511102	14.03%	1.170%
77	20.133	2928	2932	2935	rBV	295733	343788	9.44%	0.787%
78	20.175	2935	2939	2944	rVB	281722	346504	9.51%	0.793%
79	20.575	3004	3007	3014	rVB	257525	348938	9.58%	0.799%
80	20.769	3038	3040	3043	rVB	199323	186927	5.13%	0.428%
81	20.816	3044	3048	3053	rBV3	210191	373053	10.24%	0.854%
82	21.075	3086	3092	3096	rBV2	1949760	3643290	100.00%	8.342%
83	21.116	3096	3099	3109	rVB	1064527	1419656	38.97%	3.251%
84	22.622	3350	3355	3360	rBV	833101	1783480	48.95%	4.084%
85	23.086	3430	3434	3443	rVB	524632	937719	25.74%	2.147%
86	23.180	3445	3450	3456	rVB	811691	1420302	38.98%	3.252%
87	23.274	3461	3466	3471	rBV2	834137	1448873	39.77%	3.318%

Sum of corrected areas: 43671914

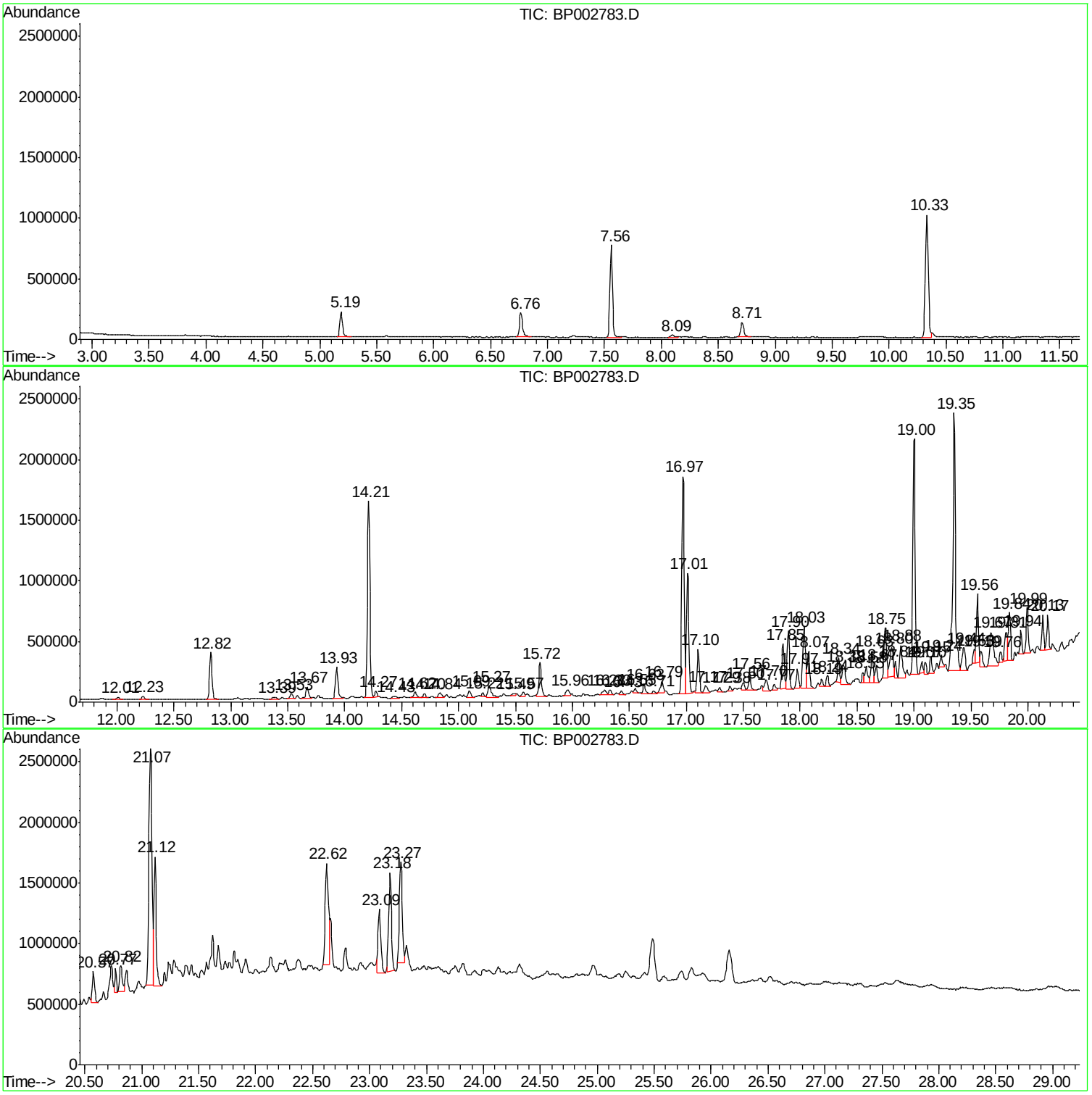
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-071520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.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 P\DATA\BP071620\
Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

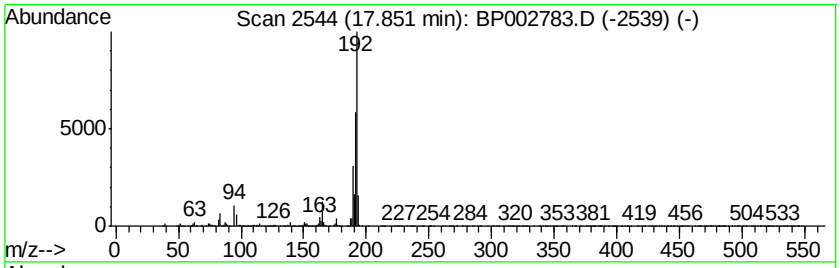
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

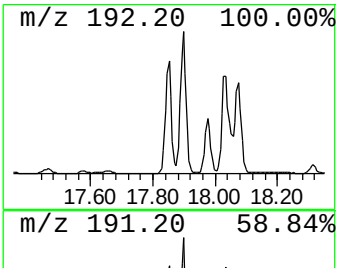
****

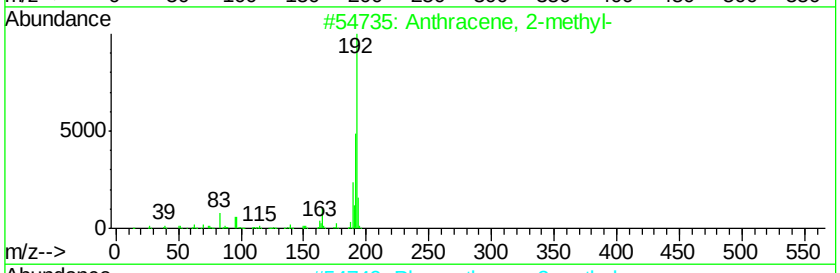
Peak Number 1 Anthracene, 2-methyl- Concentration Rank 5

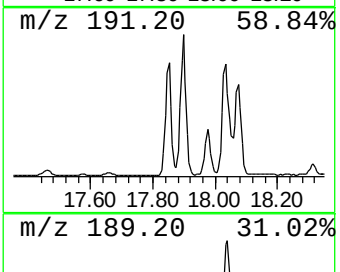
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	4.07 ng	535651	Phenanthrene-d10	16.97

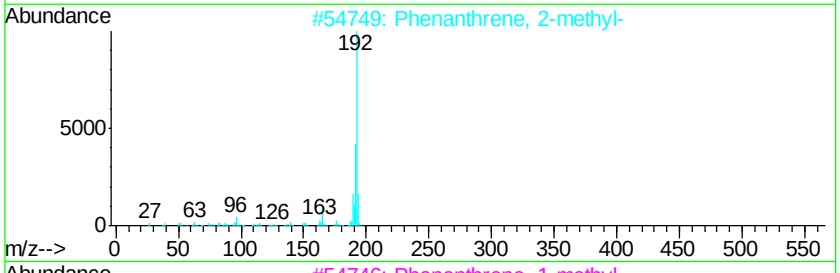
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91

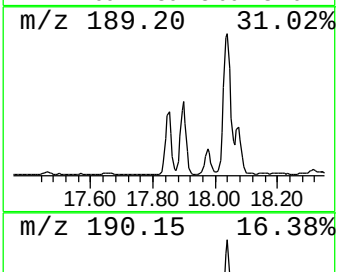


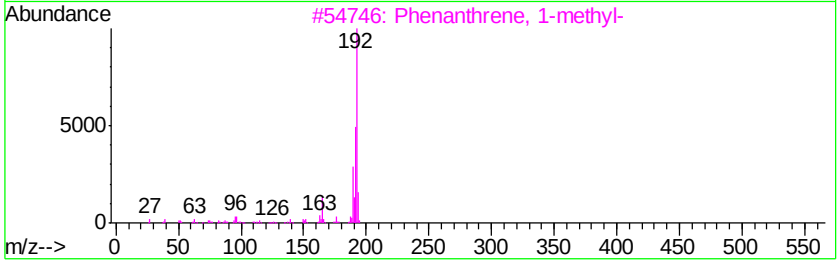


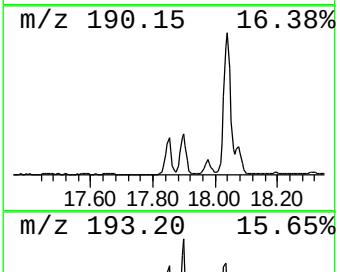


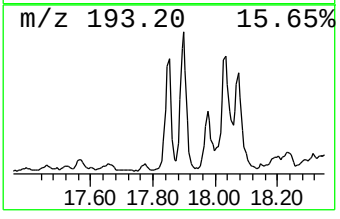












Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

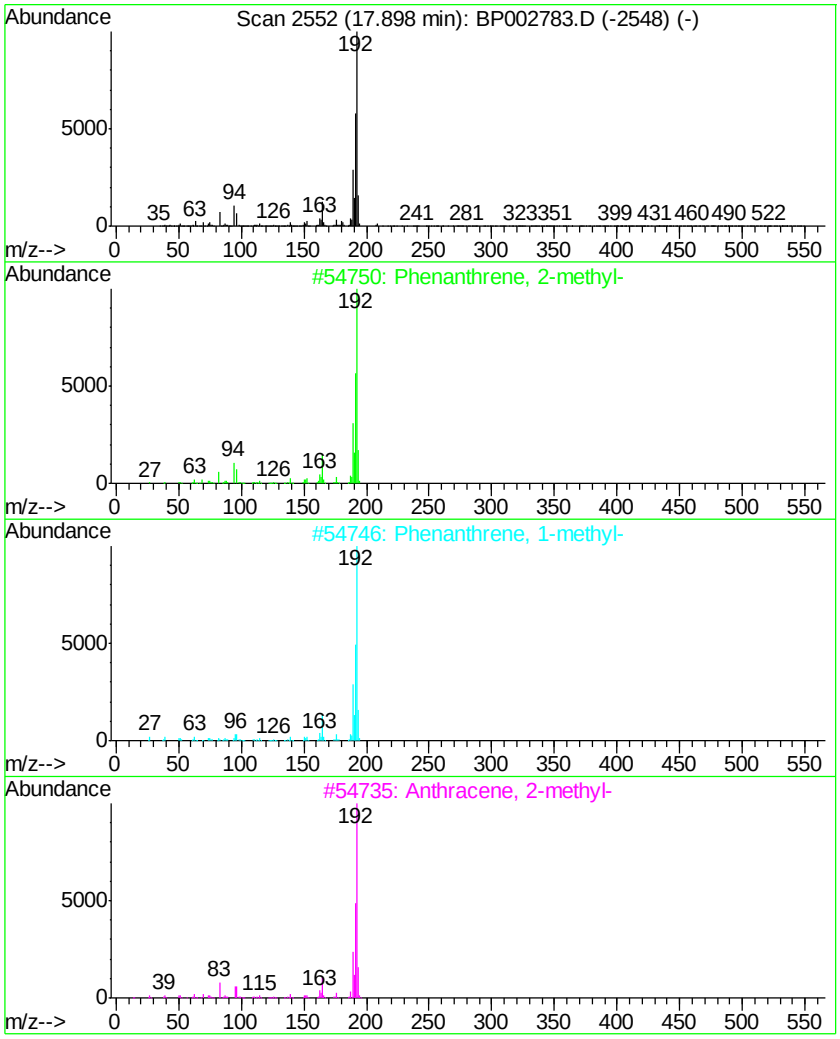
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

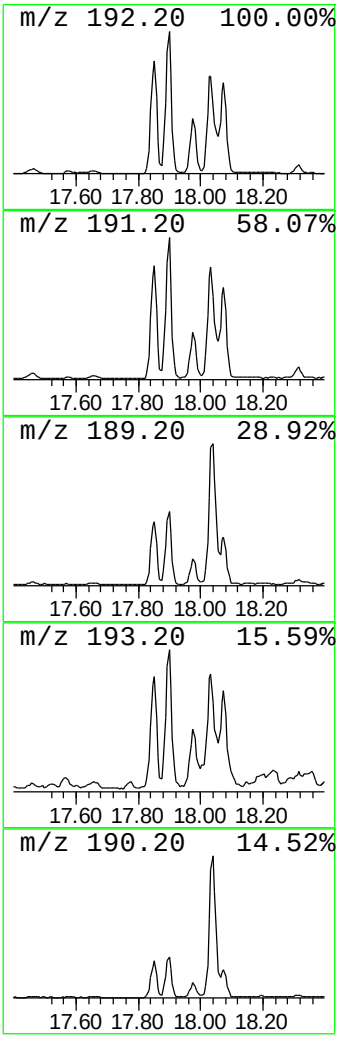
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	4.76 ng	625962	Phenanthrene-d10	16.97

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

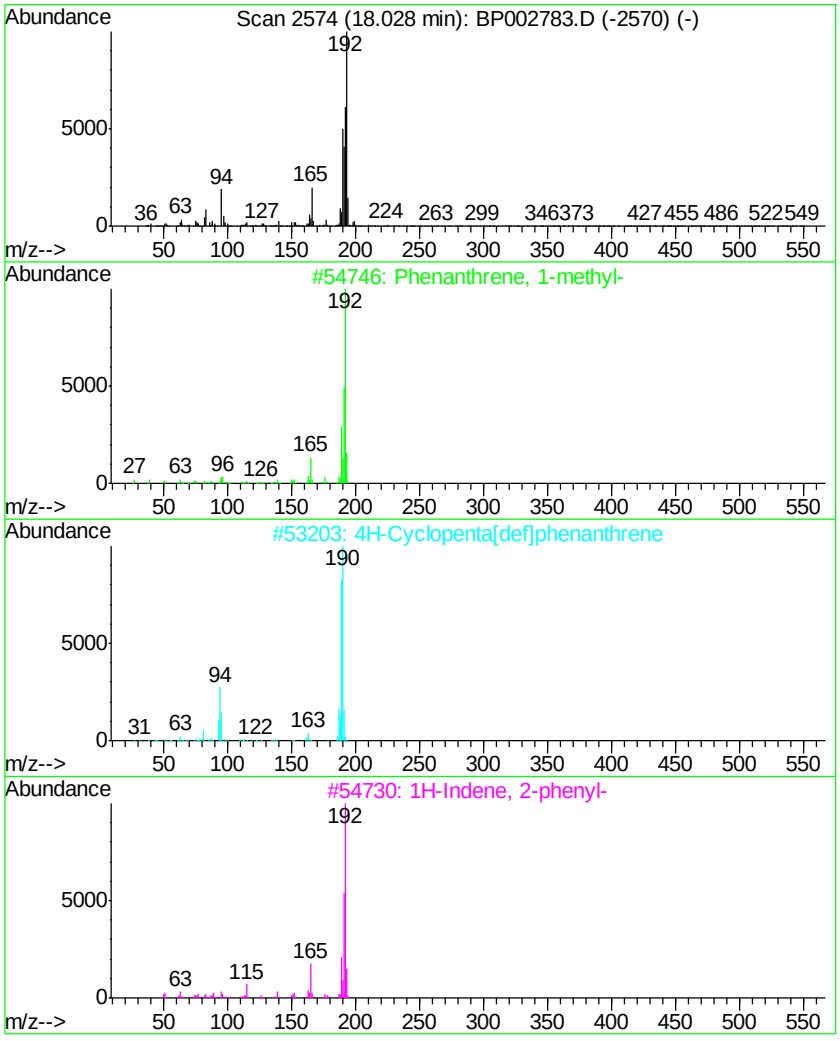
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

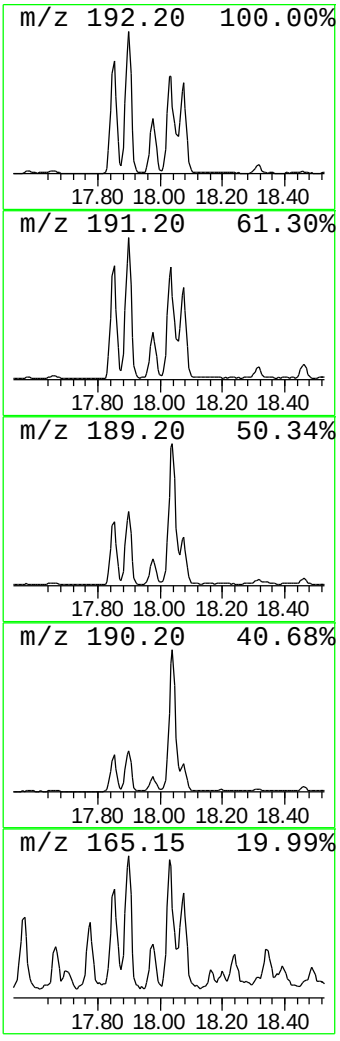
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	6.61 ng	870047	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

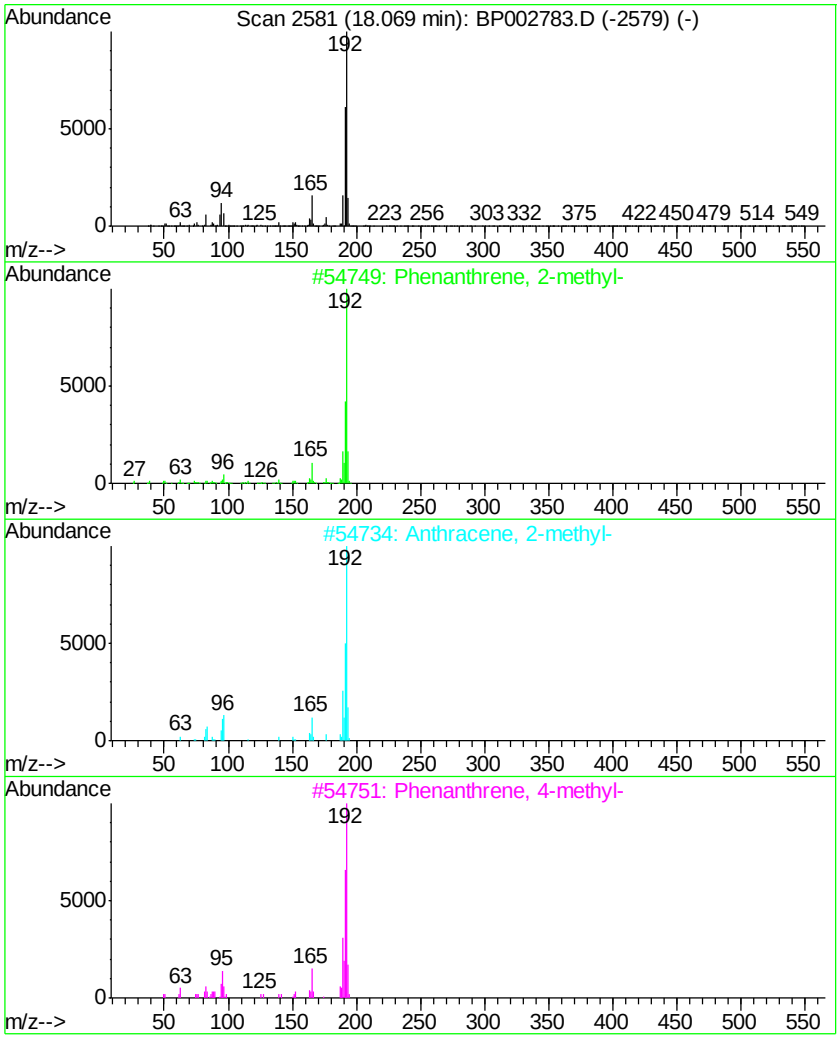
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

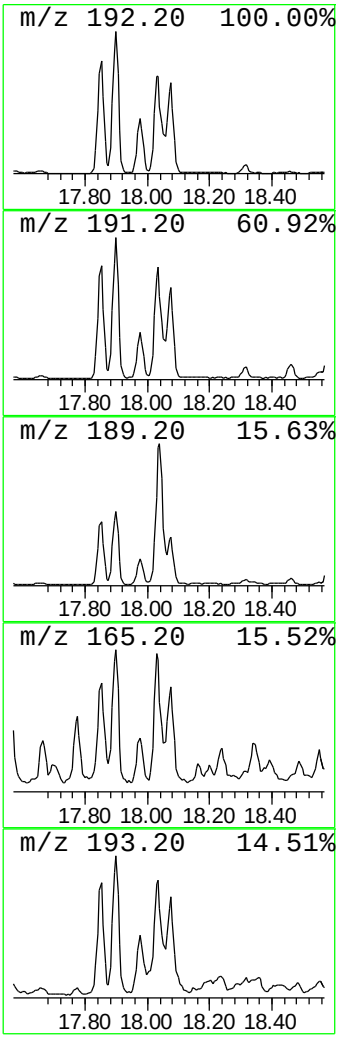
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	3.20 ng	420729	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.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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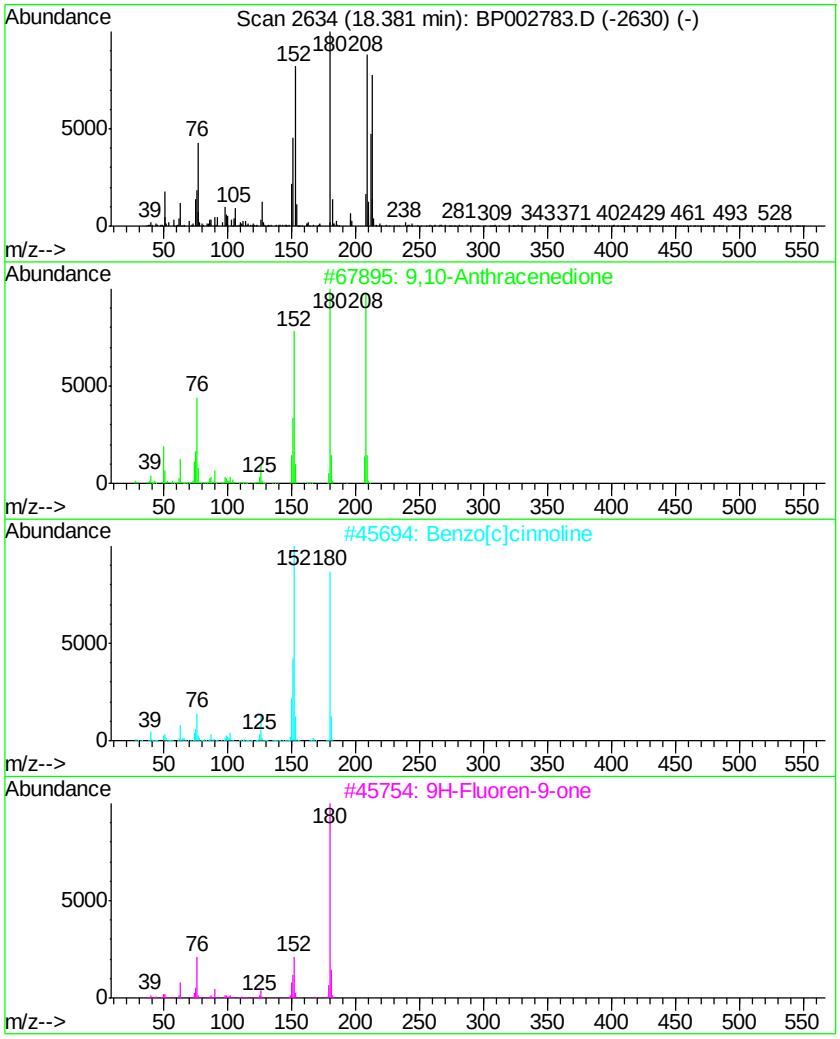
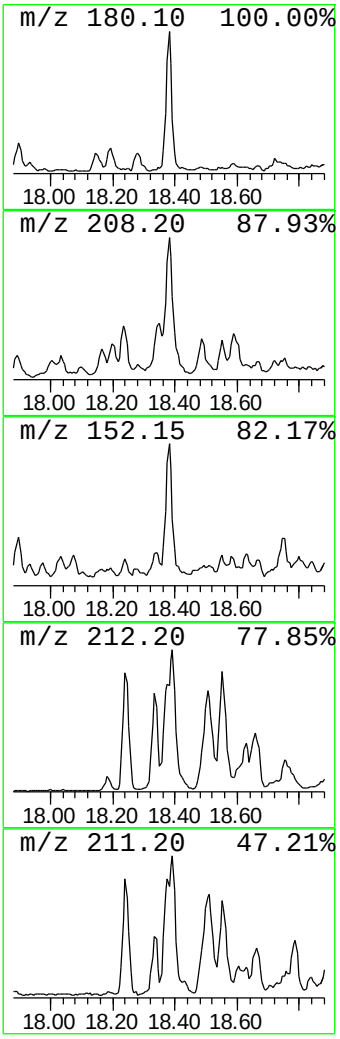
Peak Number 5 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	2.37 ng	312152	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	92
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50
4	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	47
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	42





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Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

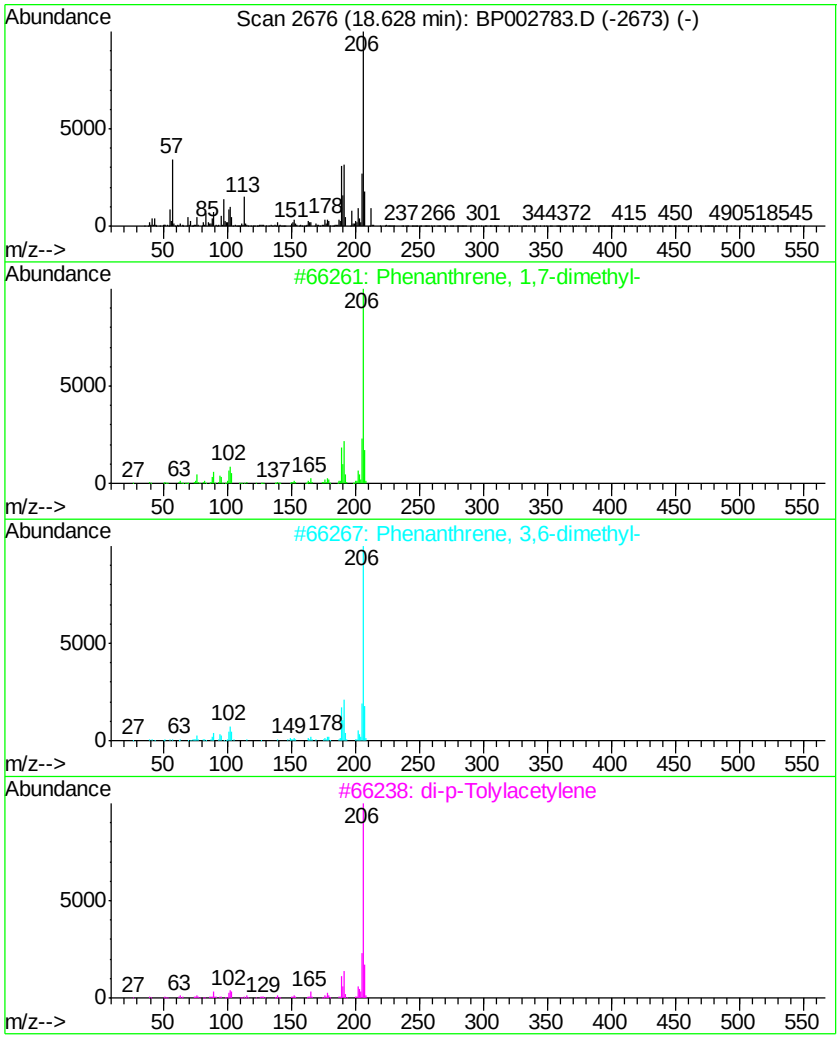
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

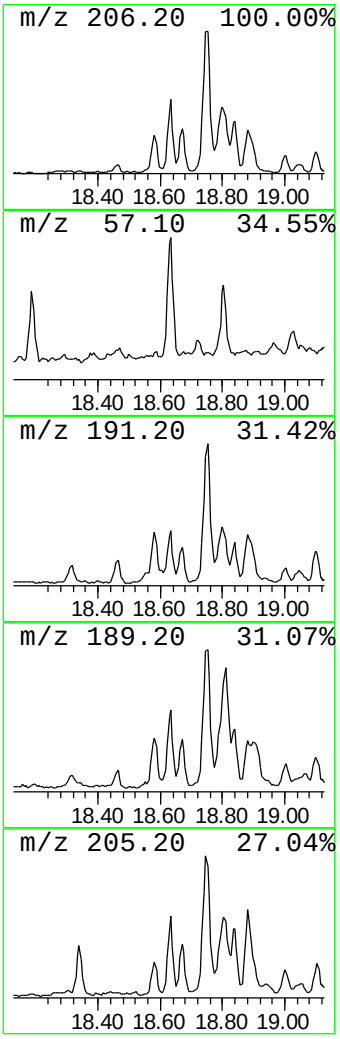
****

Peak Number 6 Phenanthrene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	2.63 ng	346238	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	64





Library Search Compound Report

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Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

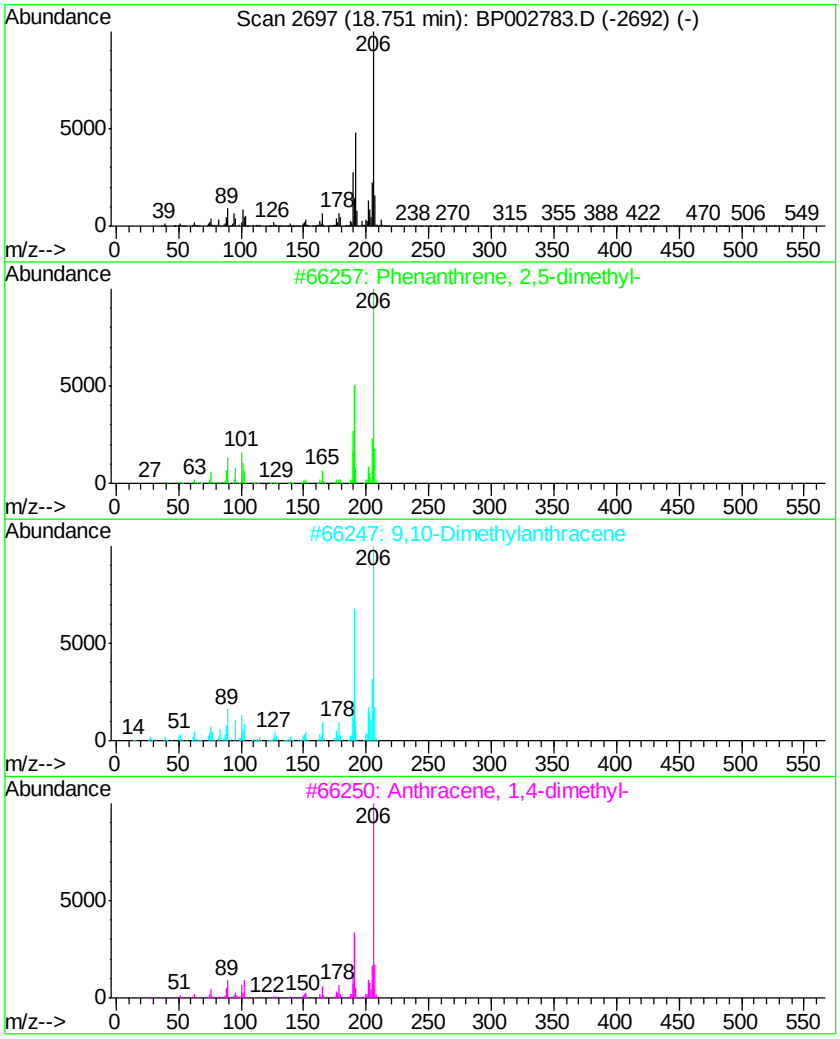
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

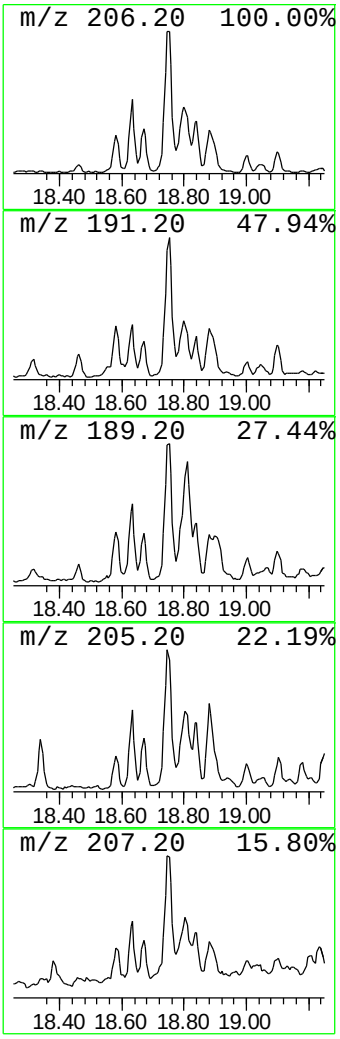
****

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	5.10 ng	670753	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





Library Search Compound Report

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Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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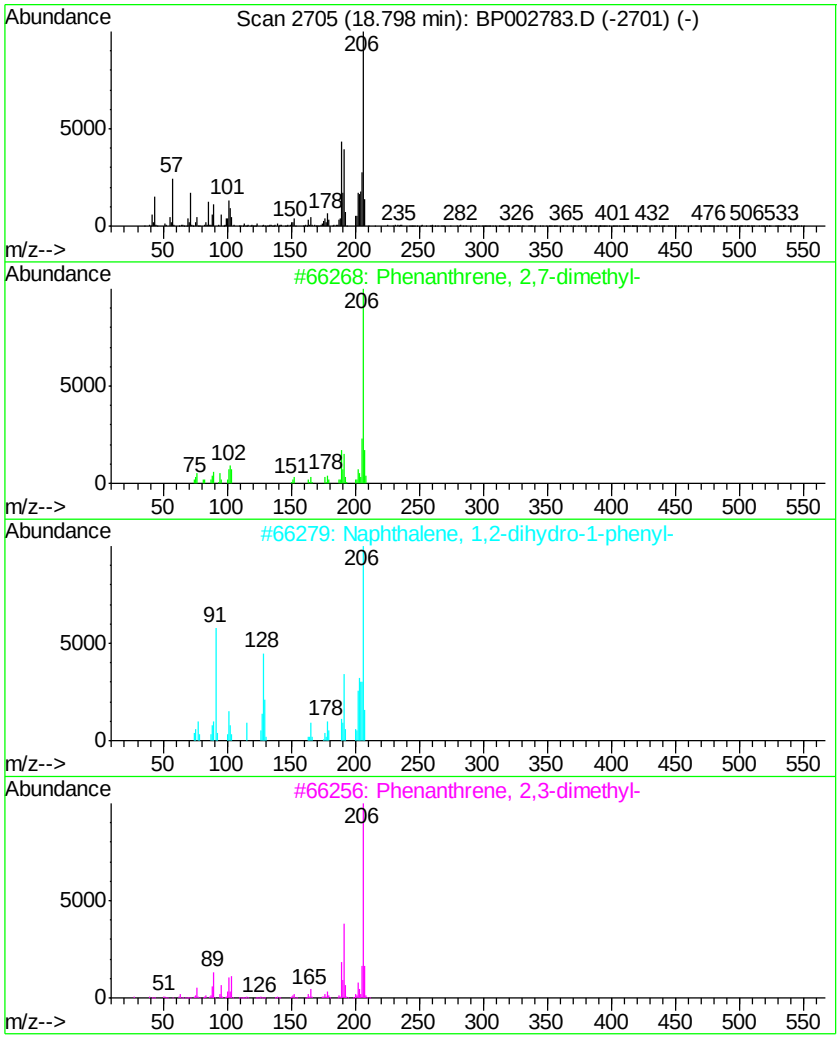
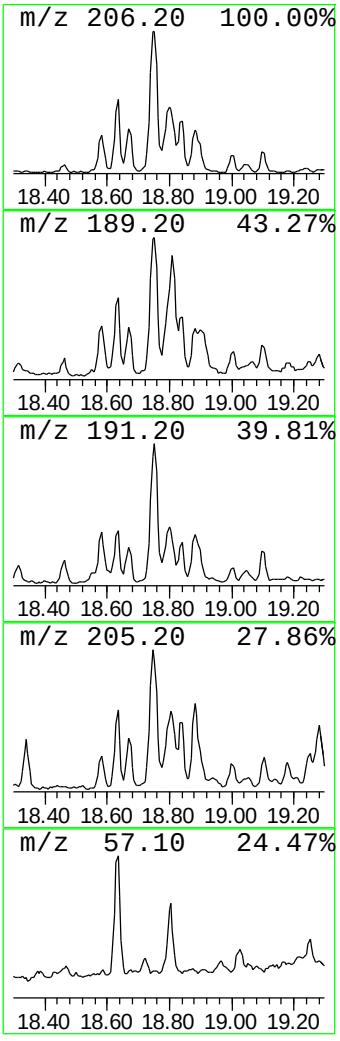
Peak Number 8 Phenanthrene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	3.65 ng	480656	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	58
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	55
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	55
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	52
5	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	49





Library Search Compound Report

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Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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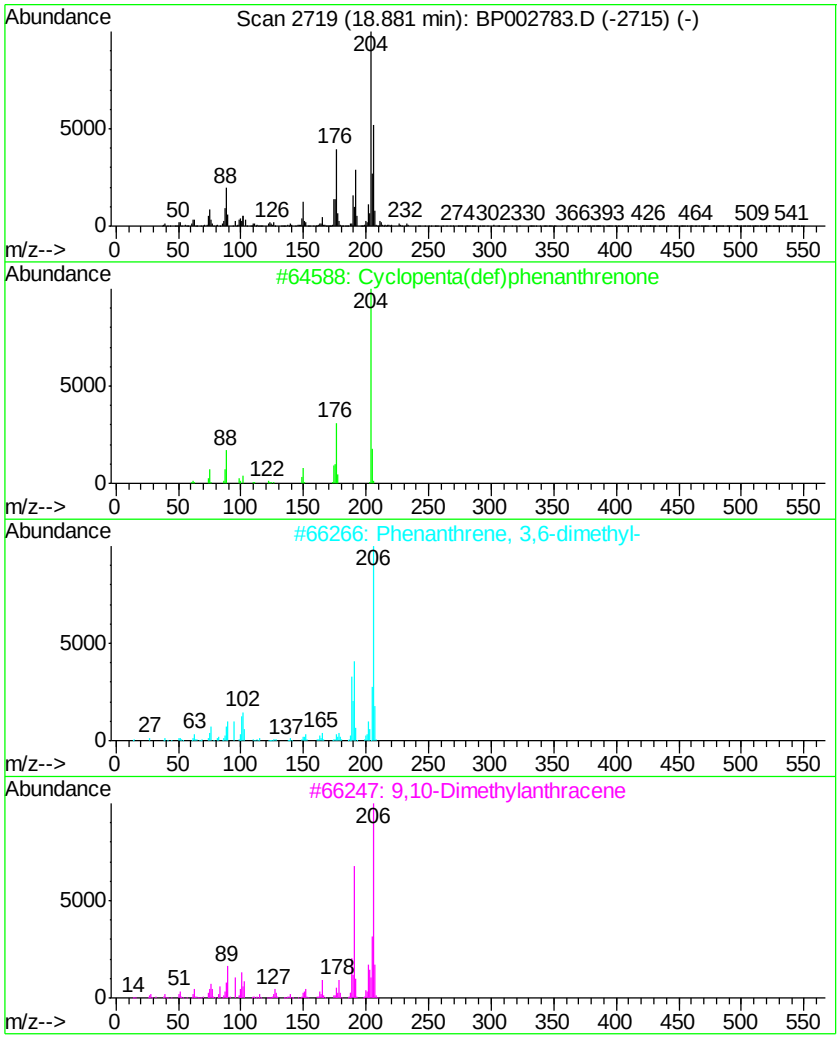
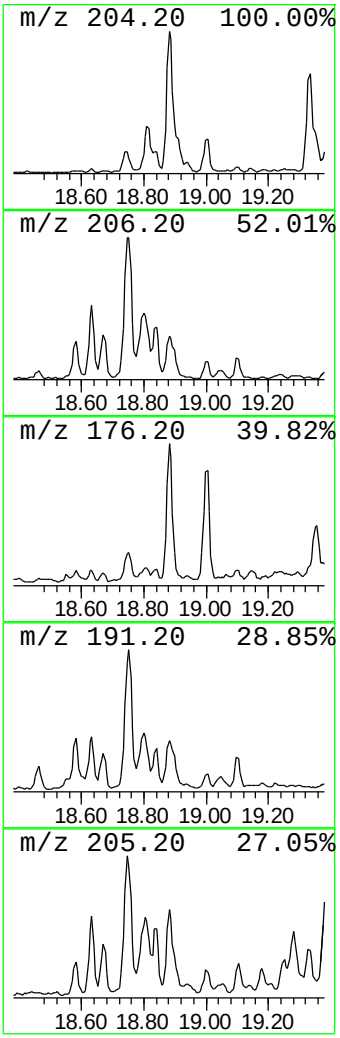
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	3.55 ng	467182	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	38
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	35





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Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : OK-03-071520

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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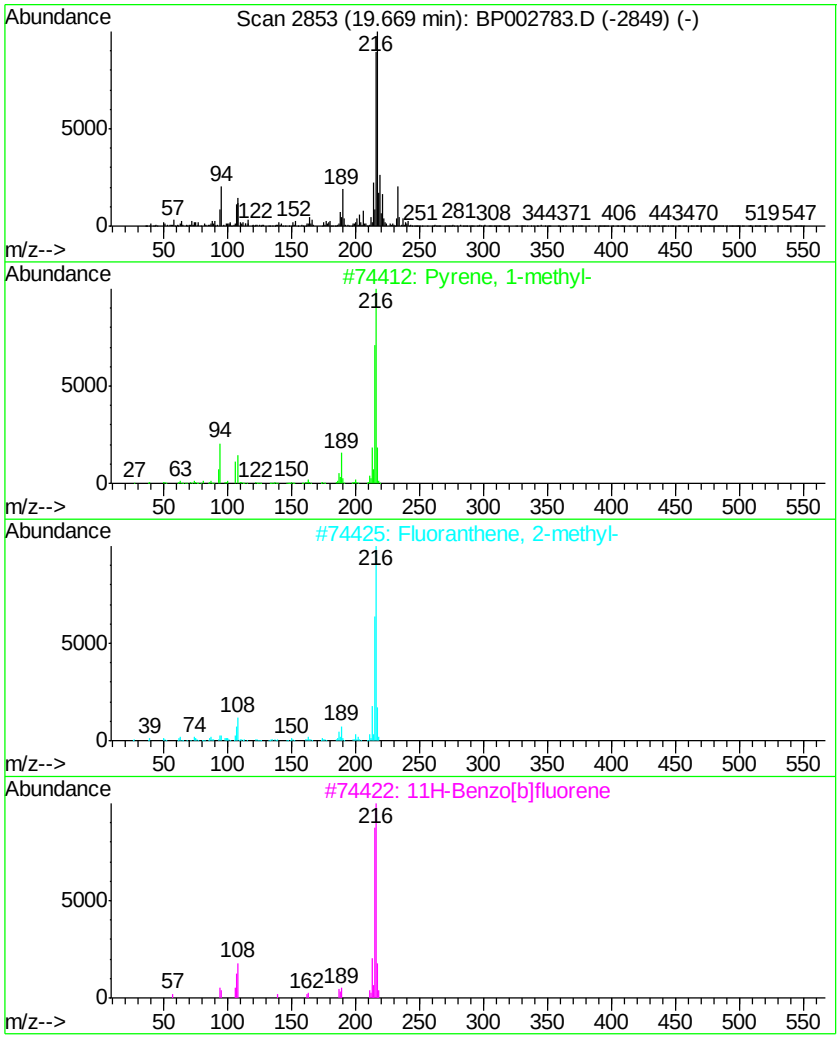
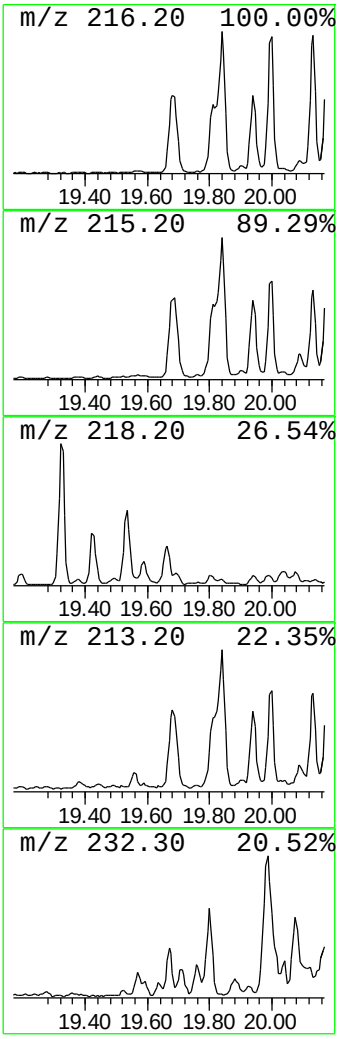
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	3.89 ng	708219	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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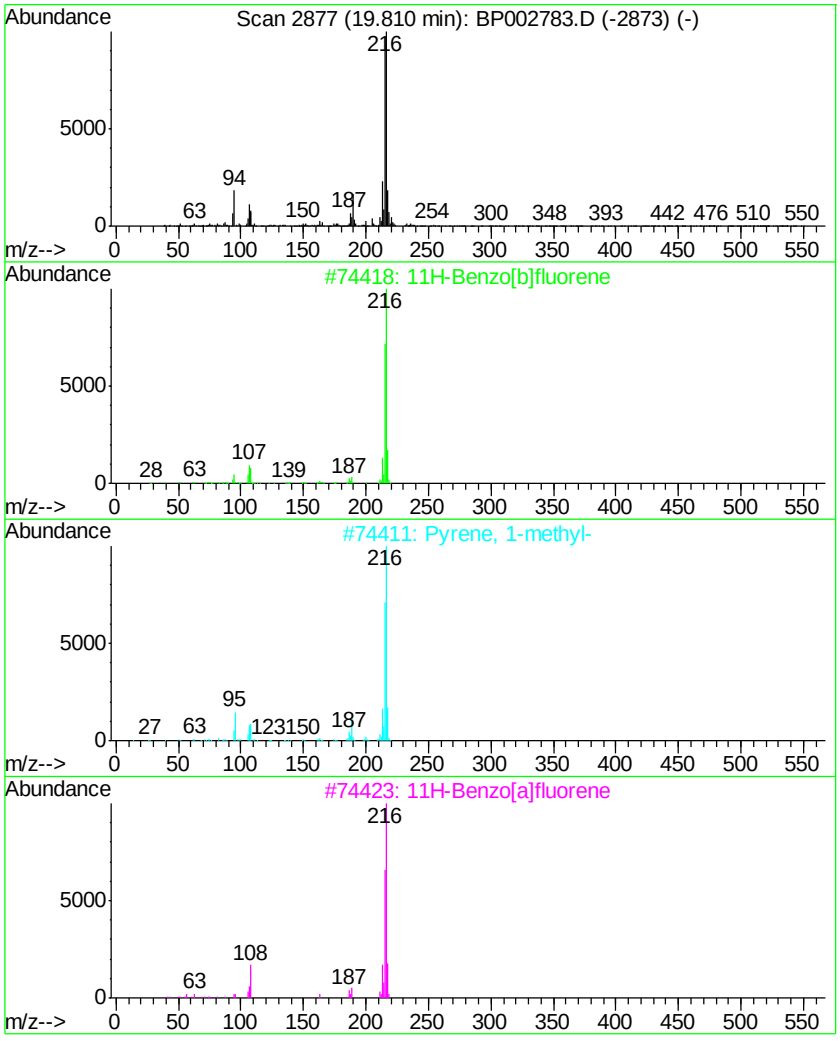
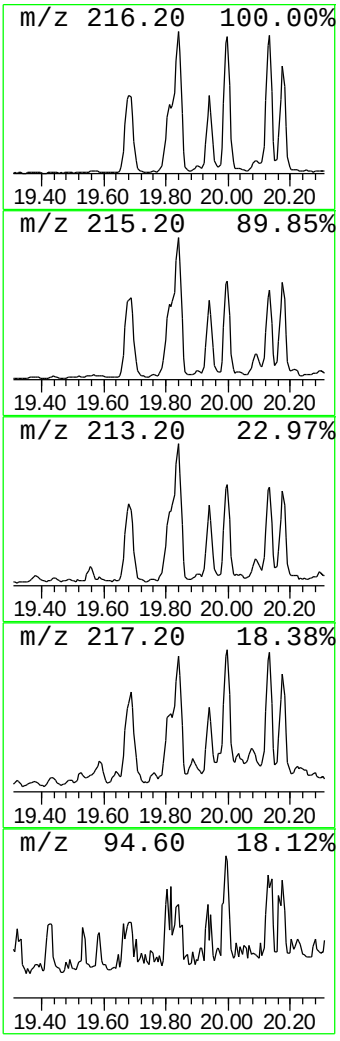
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	2.16 ng	394165	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





Library Search Compound Report

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Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

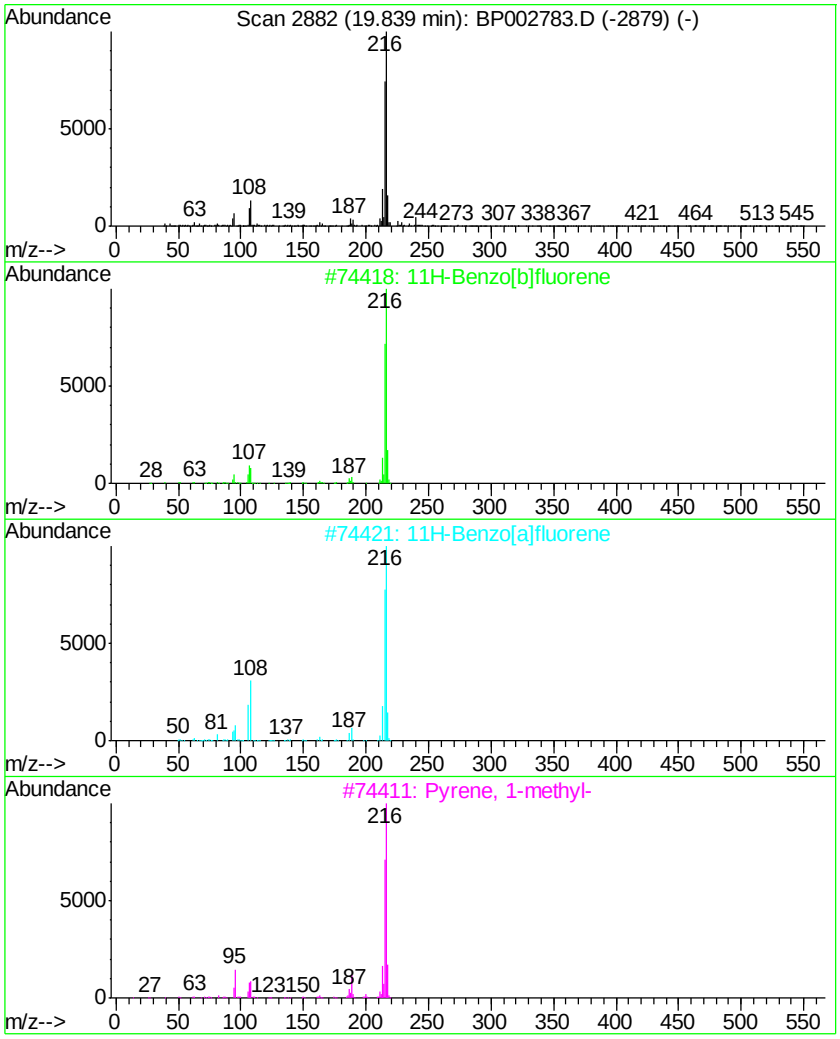
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

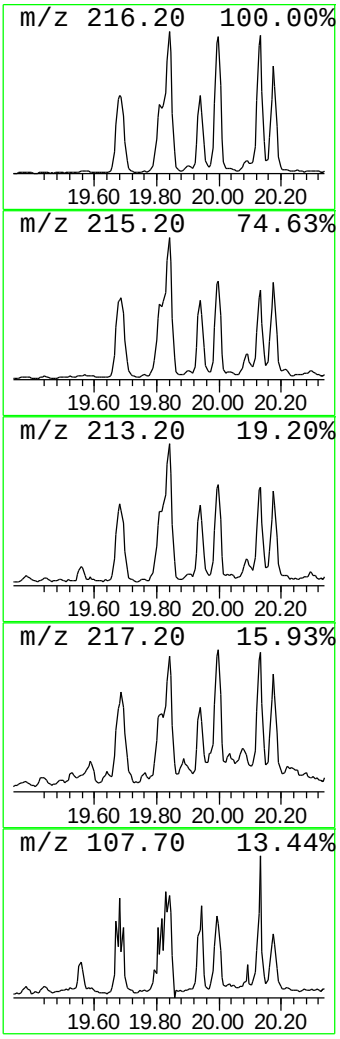
****

Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	2.83 ng	514766	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.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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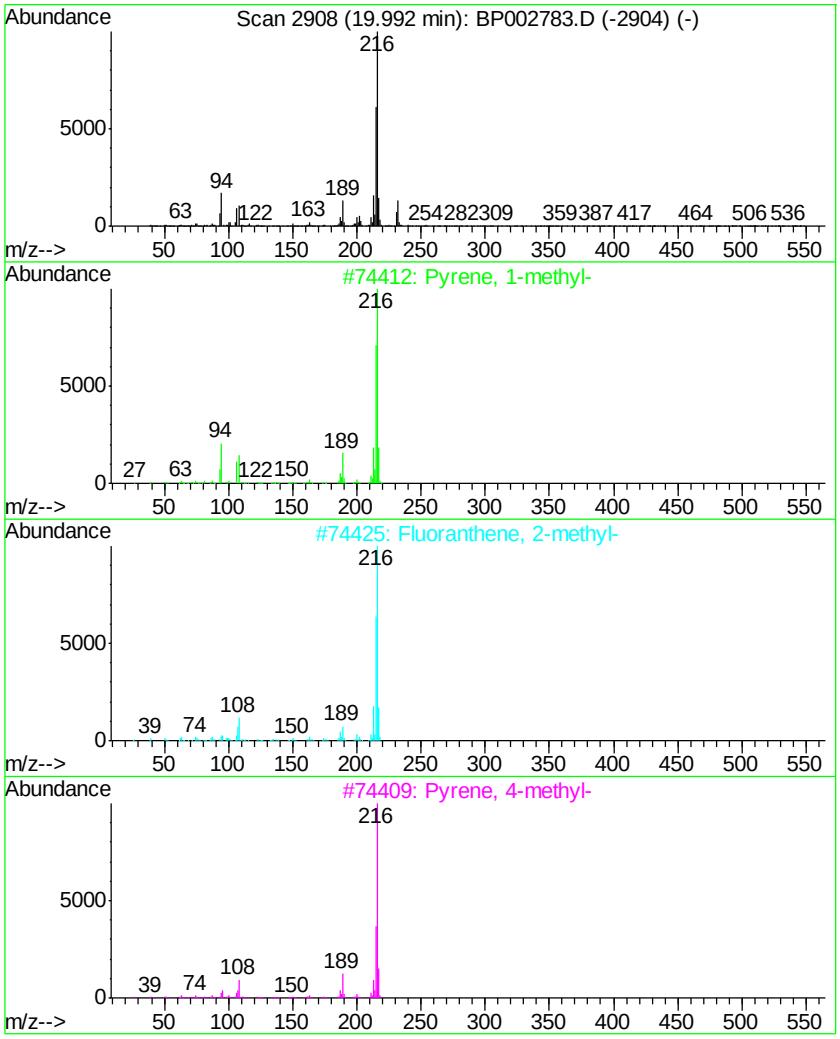
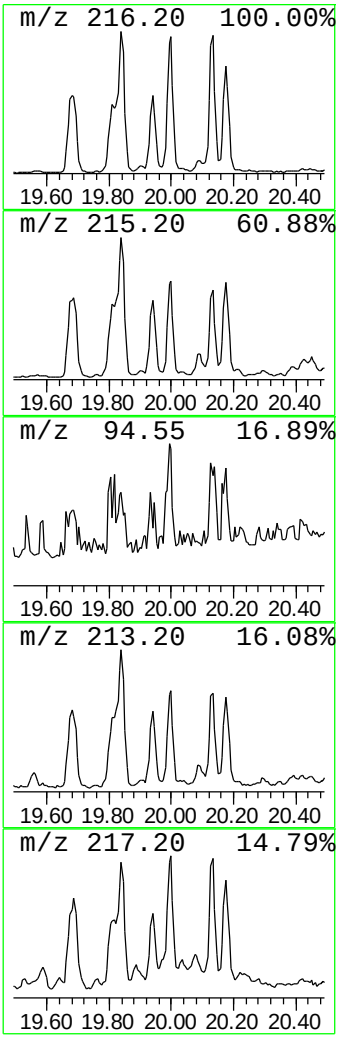
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	2.81 ng	511102	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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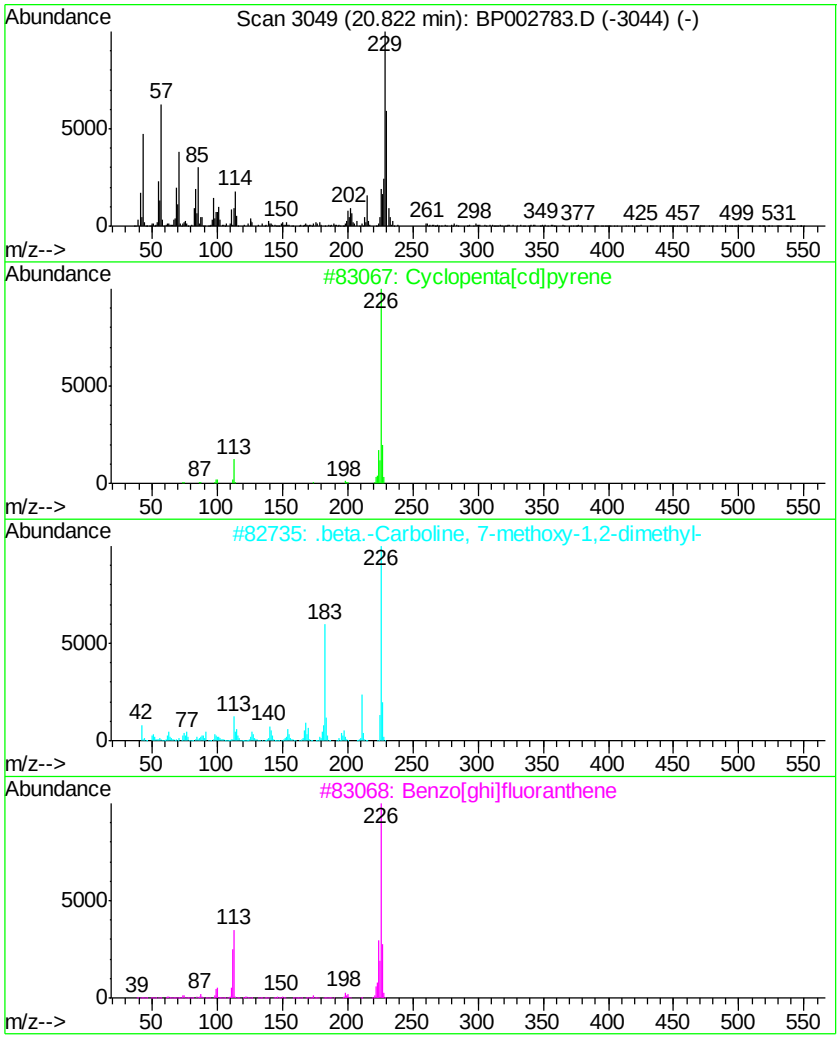
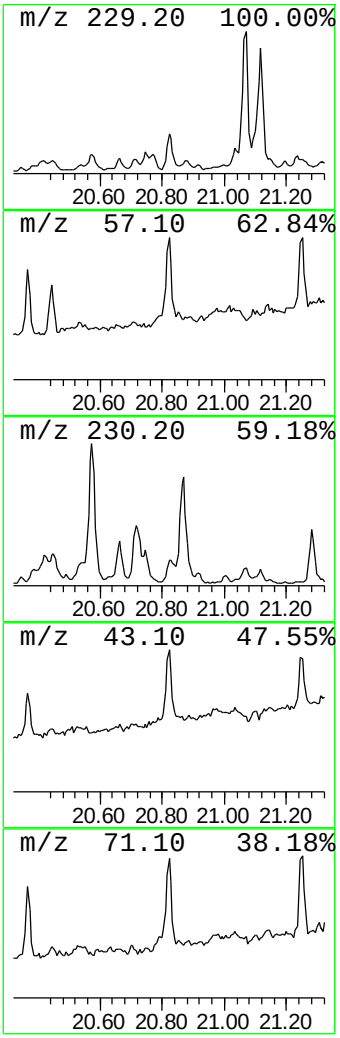
Peak Number 14 unknown20.82 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	2.05 ng	373053	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	43
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38
4	Isonipecotic acid, N-(cyclohexyl...	337	C20H35NO3	1000361-03-0	35
5	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	35





Library Search Compound Report

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Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

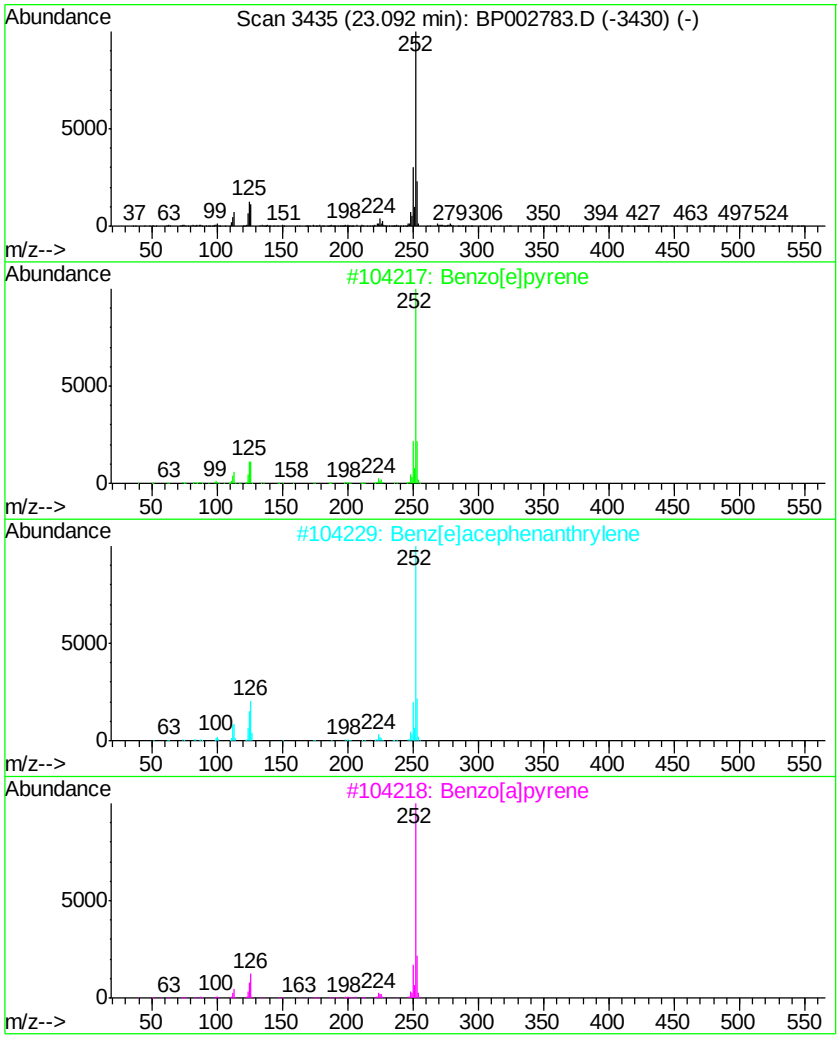
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

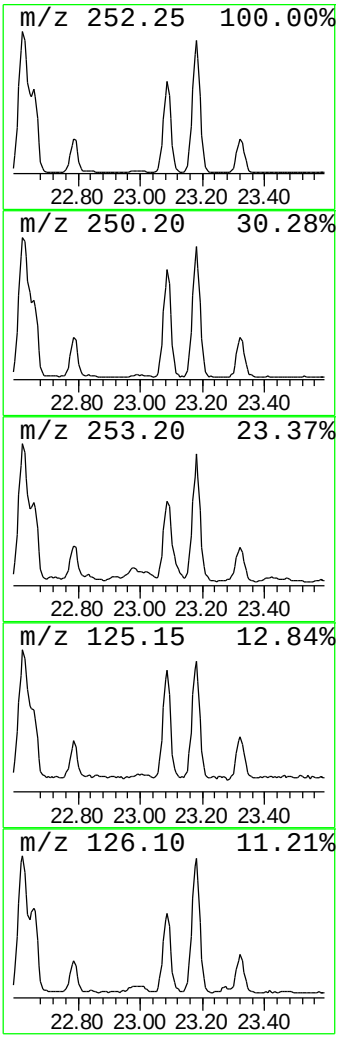
****

Peak Number 15 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.09	12.94 ng	937719	Perylene-d12	23.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP071620\
Data File : BP002783.D
Acq On : 16 Jul 2020 21:19
Operator : CG/JU
Sample : L3183-11 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-071520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.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
Anthracene, 2-met...	17.85	4.1	ng	535651	4	16.97	2632050	20.0
Phenanthrene, 2-m...	17.90	4.8	ng	625962	4	16.97	2632050	20.0
Phenanthrene, 1-m...	18.03	6.6	ng	870047	4	16.97	2632050	20.0
Phenanthrene, 4-m...	18.07	3.2	ng	420729	4	16.97	2632050	20.0
9,10-Anthracenedione	18.38	2.4	ng	312152	4	16.97	2632050	20.0
Phenanthrene, 1,7...	18.63	2.6	ng	346238	4	16.97	2632050	20.0
Phenanthrene, 2,5...	18.75	5.1	ng	670753	4	16.97	2632050	20.0
Phenanthrene, 2,7...	18.80	3.6	ng	480656	4	16.97	2632050	20.0
Cyclopenta(def)ph...	18.88	3.5	ng	467182	4	16.97	2632050	20.0
Pyrene, 1-methyl-	19.67	3.9	ng	708219	5	21.08	3643290	20.0
11H-Benzo[b]fluorene	19.81	2.2	ng	394165	5	21.08	3643290	20.0
11H-Benzo[a]fluorene	19.84	2.8	ng	514766	5	21.08	3643290	20.0
Fluoranthene, 2-m...	19.99	2.8	ng	511102	5	21.08	3643290	20.0
unknown20.82	20.82	2.0	ng	373053	5	21.08	3643290	20.0
Benzo[e]pyrene	23.09	12.9	ng	937719	6	23.27	1448870	20.0