LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041321\
Data File : BP005295.D
Acq On : 13 Apr 2021 19:41
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NANUET-ST-041221

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\8270E-BP040921.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP005295.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.281	367	373	384	rVB	1163704	1783345	38.04%	3.344%
2	6.869	636	643	652	rBV	1087335	1735647	37.03%	3.255%
3	7.675	774	780	788	rVB	253439	389308	8.30%	0.730%
4	8.840	970	978	985	rBV	657879	1069367	22.81%	2.005%
5	10.463	1244	1254	1260	rBV	287014	477826	10.19%	0.896%
6	12.952	1669	1677	1688	rBV	1266799	1810638	38.62%	3.395%
7	13.657	1789	1797	1801	rBV2	33977	59358	1.27%	0.111%
8	13.793	1815	1820	1829	rBV2	68676	120158	2.56%	0.225%
9	14.057	1856	1865	1878	rBV	280064	426936	9.11%	0.801%
10	14.340	1902	1913	1919	rBV	422623	656350	14.00%	1.231%
11	14.398	1919	1923	1932	rVB	46230	78890	1.68%	0.148%
12	14.740	1973	1981	1989	rBV2	40496	70526	1.50%	0.132%
13	14.957	2011	2018	2023	rBV3	39410	88410	1.89%	0.166%
14	15.134	2040	2048	2051	rBV4	25821	57807	1.23%	0.108%
15	15.216	2056	2062	2069	rVB3	39754	74942	1.60%	0.141%
16	15.393	2087	2092	2105	rVB3	78476	159638	3.41%	0.299%
17	15.604	2123	2128	2137	rBV4	30836	61222	1.31%	0.115%
18	15.693	2137	2143	2147	rBV	29200	56619	1.21%	0.106%
19	15.845	2159	2169	2177	rBV	1121491	1686162	35.97%	3.162%
20	16.075	2202	2208	2215	rBV4	88645	162915	3.48%	0.305%
21	16.404	2257	2264	2269	rBV6	46704	103958	2.22%	0.195%
22	16.451	2269	2272	2278	rVB3	37917	57314	1.22%	0.107%
23	16.757	2320	2324	2331	rVB2	75112	111325	2.37%	0.209%
24	16.916	2347	2351	2360	rVB	120988	194039	4.14%	0.364%
25	17.104	2377	2383	2386	rBV	530937	751150	16.02%	1.408%
26	17.145	2386	2390	2398	rVV	1508627	2052736	43.79%	3.849%
27	17.234	2401	2405	2410	rVB	312508	431342	9.20%	0.809%
28	17.298	2410	2416	2421	rBV3	50708	102871	2.19%	0.193%
29	17.516	2449	2453	2459	rBV	78675	110855	2.36%	0.208%
30	17.628	2469	2472	2477	rVB	61874	73662	1.57%	0.138%
31	17.687	2477	2482	2490	rVB2	155592	234072	4.99%	0.439%
32	17.828	2502	2506	2513	rVB	82799	153058	3.27%	0.287%
33	17.904	2514	2519	2523	rBV2	46199	80758	1.72%	0.151%
34	17.981	2526	2532	2535	rVV	380486	582668	12.43%	1.093%
35	18.028	2535	2540	2545	rVB	515229	782097	16.68%	1.467%
36	18.104	2548	2553	2557	rBV2	105237	148361	3.16%	0.278%

LSC Area Percent Report

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Acq On : 13 Apr 2021 19:41
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NANUET-ST-041221

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\8270E-BP040921.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.163	2558	2563	2567	rVV2	538818	903133	19.27%	1.693%
38	18.204	2567	2570	2579	rVB	324623	416357	8.88%	0.781%
39	18.287	2580	2584	2587	rBV3	73104	99292	2.12%	0.186%
40	18.363	2593	2597	2601	rVB2	85611	117238	2.50%	0.220%
41	18.463	2610	2614	2618	rBV2	238537	317717	6.78%	0.596%
42	18.516	2618	2623	2632	rVB2	340497	535534	11.42%	1.004%
43	18.675	2647	2650	2652	rBV	81967	101072	2.16%	0.190%
44	18.704	2652	2655	2659	rVV	121239	172037	3.67%	0.323%
45	18.751	2660	2663	2667	rVV	169489	210601	4.49%	0.395%
46	18.792	2667	2670	2674	rVB2	142937	175755	3.75%	0.330%
47	18.875	2678	2684	2689	rBV	412313	721918	15.40%	1.354%
48	18.928	2689	2693	2697	rVV3	170952	328524	7.01%	0.616%
49	18.963	2697	2699	2702	rVB	145569	143718	3.07%	0.269%
50	19.016	2702	2708	2713	rBV4	246264	461588	9.85%	0.866%
51	19.057	2713	2715	2720	rVB	55715	71946	1.53%	0.135%
52	19.134	2722	2728	2733	rVB	3215920	3977734	84.85%	7.459%
53	19.192	2734	2738	2741	rBV	121021	160137	3.42%	0.300%
54	19.228	2741	2744	2748	rVB3	96492	111229	2.37%	0.209%
55	19.275	2748	2752	2756	rVB	160857	183190	3.91%	0.343%
56	19.328	2757	2761	2764	rBV2	89318	123348	2.63%	0.231%
57	19.363	2764	2767	2771	rBV	135356	166916	3.56%	0.313%
58	19.486	2778	2788	2795	rBV	3094516	4687763	100.00%	8.790%
59	19.557	2795	2800	2804	rBV2	216284	314470	6.71%	0.590%
60	19.681	2813	2821	2825	rBV	1940248	2378148	50.73%	4.459%
61	19.716	2825	2827	2833	rVB2	132560	181009	3.86%	0.339%
62	19.798	2836	2841	2848	rBV4	256173	619913	13.22%	1.162%
63	19.886	2853	2856	2859	rVB3	70673	82263	1.75%	0.154%
64	19.933	2859	2864	2865	rBV3	222303	291333	6.21%	0.546%
65	19.969	2866	2870	2875	rVB	458014	691017	14.74%	1.296%
66	20.033	2878	2881	2883	rBV3	61503	77975	1.66%	0.146%
67	20.063	2883	2886	2890	rVV	250993	288742	6.16%	0.541%
68	20.122	2892	2896	2900	rVB	375529	476937	10.17%	0.894%
69	20.257	2915	2919	2923	rBV	319191	368530	7.86%	0.691%
70	20.304	2923	2927	2930	rVB	269851	332494	7.09%	0.623%
71	20.463	2952	2954	2957	rVB3	58014	55661	1.19%	0.104%
72	20.545	2965	2968	2970	rBV3	58169	66372	1.42%	0.124%
73	20.698	2990	2994	3000	rVB	284311	422406	9.01%	0.792%
74	20.786	3006	3009	3014	rVB	75615	98802	2.11%	0.185%
75	20.863	3014	3022	3025	rBV3	393822	721396	15.39%	1.353%
76	20.898	3025	3028	3030	rBV	210731	272246	5.81%	0.510%

LSC Area Percent Report

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Acq On : 13 Apr 2021 19:41
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NANUET-ST-041221

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_P\Methods\8270E-BP040921.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.992	3040	3044	3050	rVB2	311249	452014	9.64%	0.848%
78	21.092	3059	3061	3064	rBV	66253	70114	1.50%	0.131%
79	21.198	3074	3079	3084	rBV3	1527183	2923864	62.37%	5.483%
80	21.245	3084	3087	3096	rVB	1491490	1887783	40.27%	3.540%
81	21.322	3097	3100	3103	rBV2	99577	123379	2.63%	0.231%
82	21.363	3103	3107	3112	rBV	131502	175329	3.74%	0.329%
83	21.416	3112	3116	3123	rBV5	145968	253857	5.42%	0.476%
84	21.522	3130	3134	3138	rBV3	118000	190825	4.07%	0.358%
85	21.563	3139	3141	3146	rVB3	98965	125391	2.67%	0.235%
86	21.757	3168	3174	3178	rBV	285907	511634	10.91%	0.959%
87	21.810	3180	3183	3189	rVB2	213476	314110	6.70%	0.589%
88	21.957	3204	3208	3211	rBV	188965	259038	5.53%	0.486%
89	22.057	3222	3225	3229	rVB2	109924	160834	3.43%	0.302%
90	22.804	3345	3352	3357	rBV	762463	1909546	40.73%	3.581%
91	22.969	3376	3380	3386	rVB	149273	246806	5.26%	0.463%
92	23.286	3429	3434	3442	rVB	491787	916988	19.56%	1.719%
93	23.386	3445	3451	3458	rVB	711241	1296472	27.66%	2.431%
94	23.486	3463	3468	3472	rVV	348234	655258	13.98%	1.229%
95	23.539	3473	3477	3485	rVB2	191741	403475	8.61%	0.757%
96	25.821	3858	3865	3876	rVB2	306096	836331	17.84%	1.568%
97	26.545	3980	3988	3999	rVB3	229381	694829	14.82%	1.303%

Sum of corrected areas: 53330668

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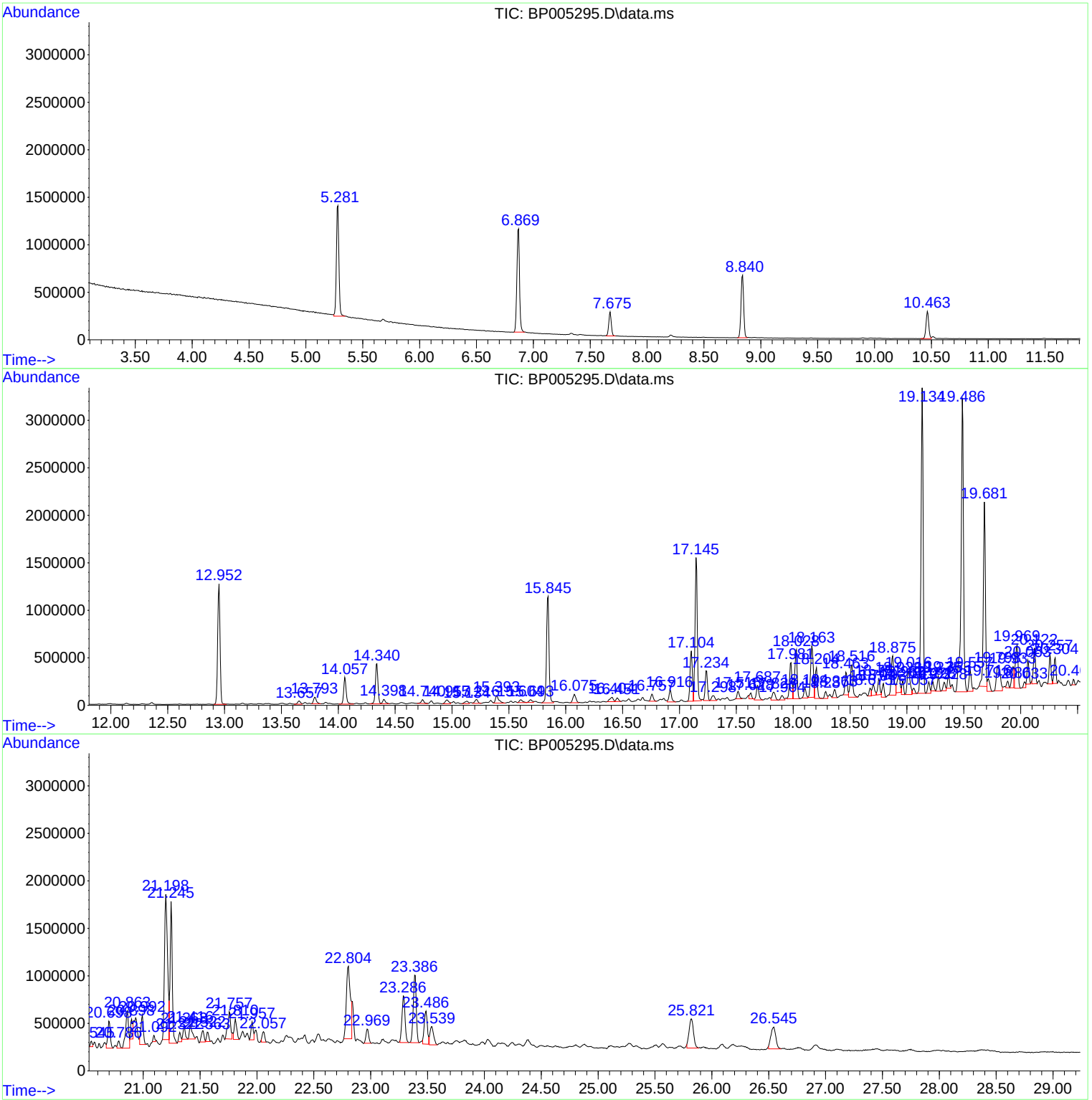
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NANUET-ST-041221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.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\BP041321\
Data File : BP005295.D
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Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NANUET-ST-041221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

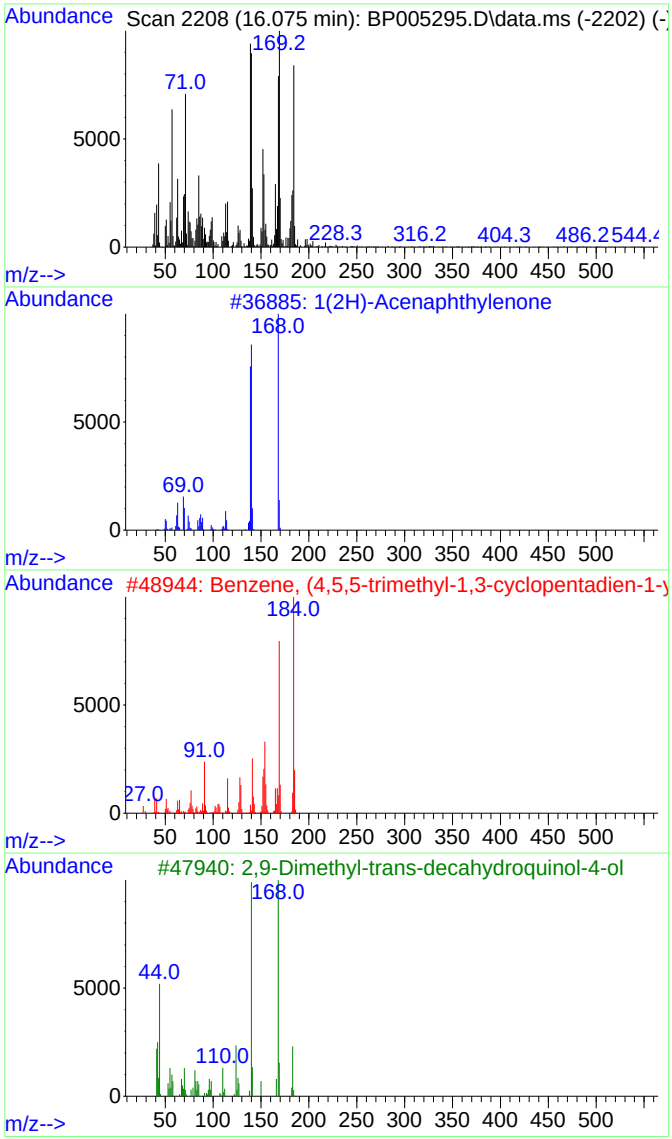
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

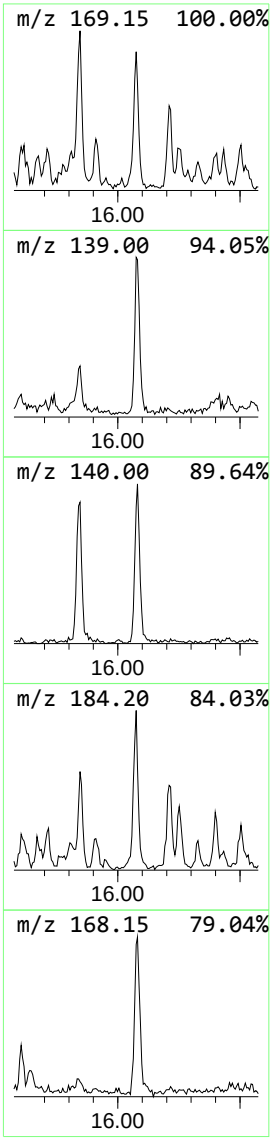
****

Peak Number 1 unknown16.075 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.075	4.34 ng	162915	Phenanthrene-d10	17.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	46
2	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	42
3	2,9-Dimethyl-trans-decahydroquin...	183	C11H21NO	064292-47-3	30
4	6-Hydroxy-2-naphthalenecarbonitrile	169	C11H7NO	1000326-74-8	30
5	5-Hydroxy-1-naphthalenecarbonitrile	169	C11H7NO	1000326-74-6	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041321\
Data File : BP005295.D
Acq On : 13 Apr 2021 19:41
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NANUET-ST-041221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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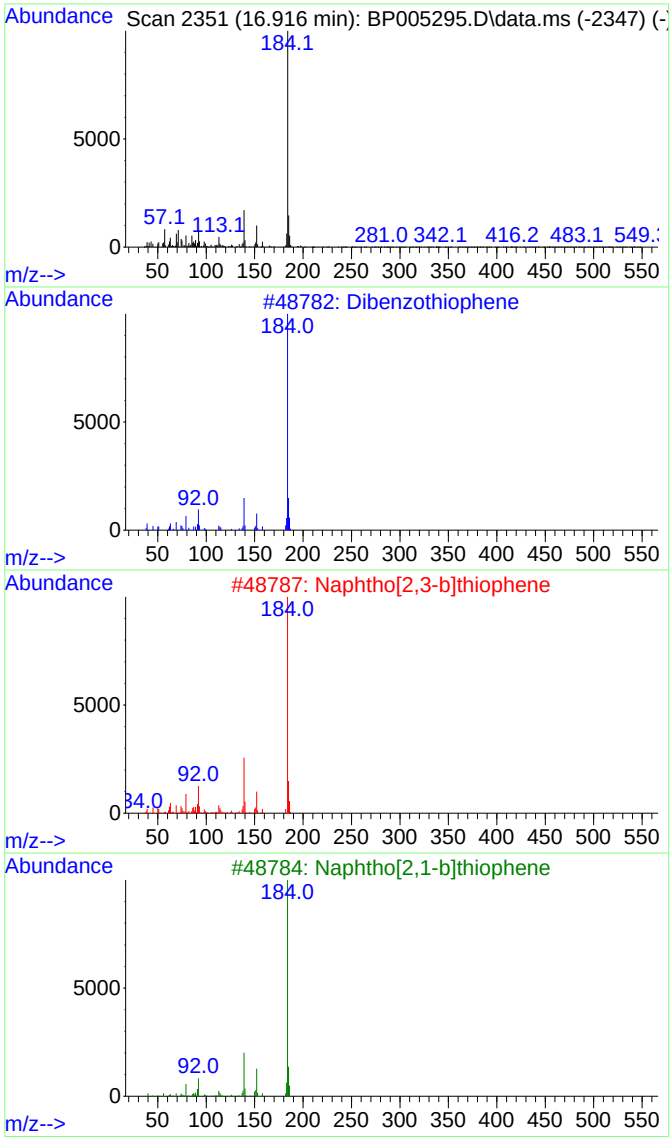
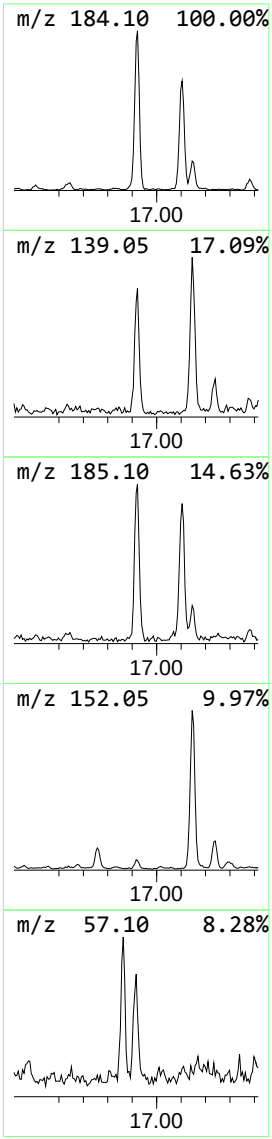
****

Peak Number 2 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.916	5.17 ng	194039	Phenanthrene-d10	17.104

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	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041321\
Data File : BP005295.D
Acq On : 13 Apr 2021 19:41
Operator : CG/JU
Sample : M2008-02
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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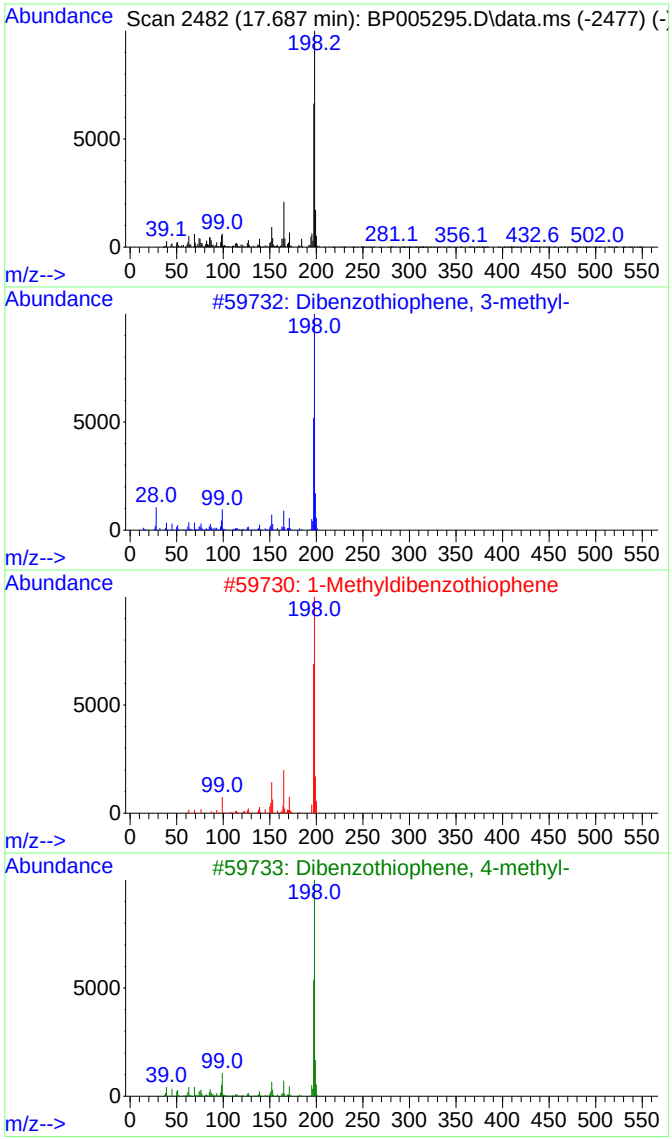
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

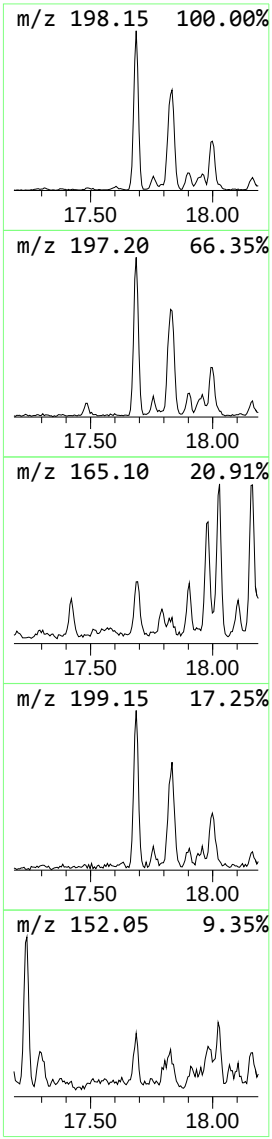
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Dibenzothiophene, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.687	6.23 ng	234072	Phenanthrene-d10	17.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
4	Thioxanthene	198	C13H10S	000261-31-4	86
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041321\
Data File : BP005295.D
Acq On : 13 Apr 2021 19:41
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NANUET-ST-041221

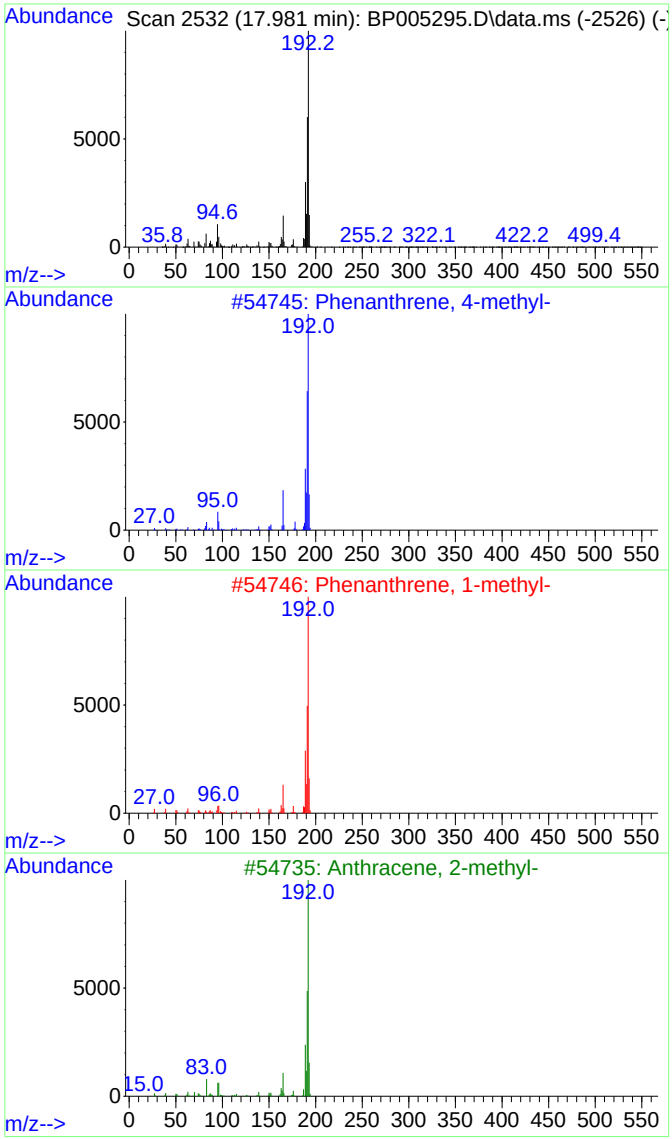
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

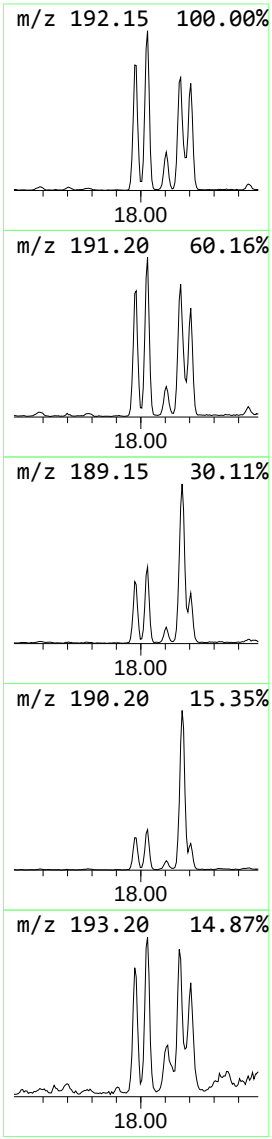
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.981	15.51 ng	582668	Phenanthrene-d10	17.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041321\
Data File : BP005295.D
Acq On : 13 Apr 2021 19:41
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NANUET-ST-041221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

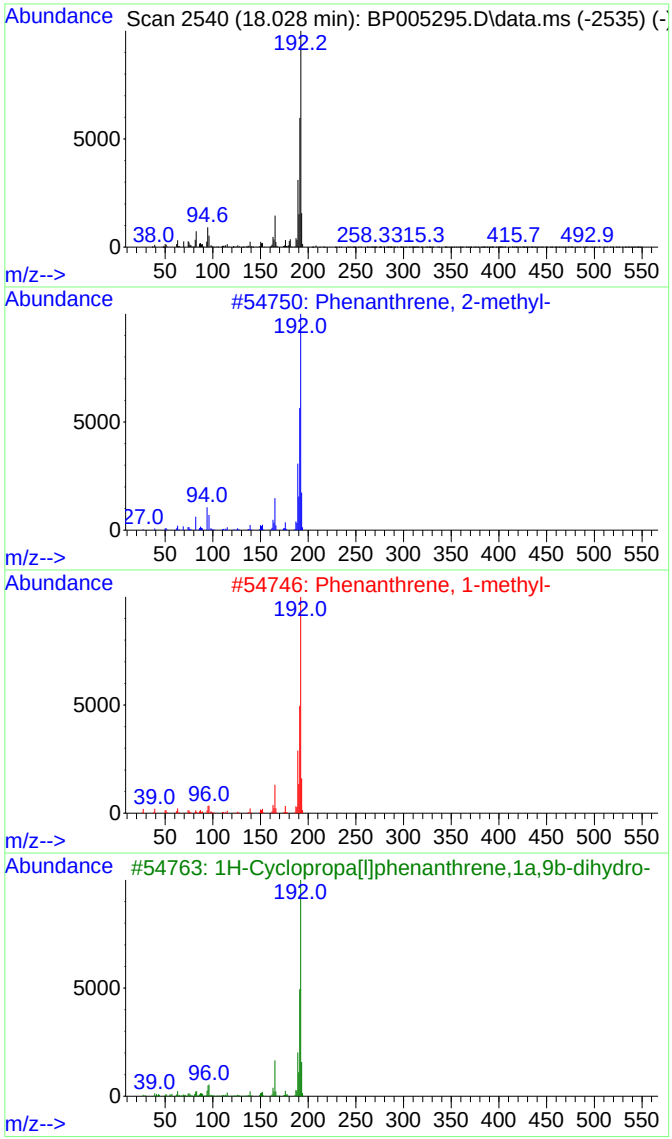
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

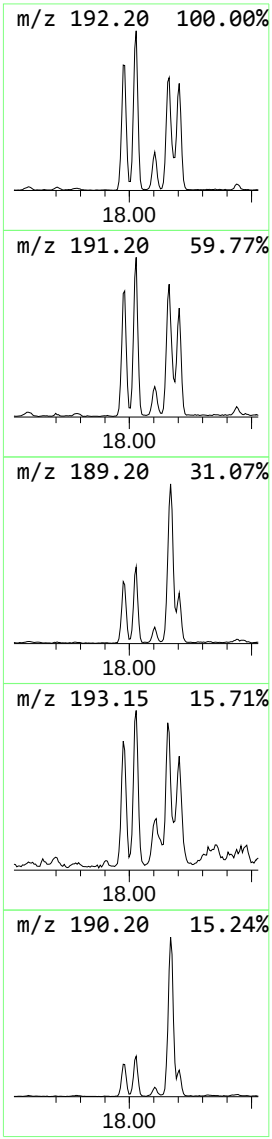
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.028	20.82 ng	782097	Phenanthrene-d10	17.104

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Acq On : 13 Apr 2021 19:41
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NANUET-ST-041221

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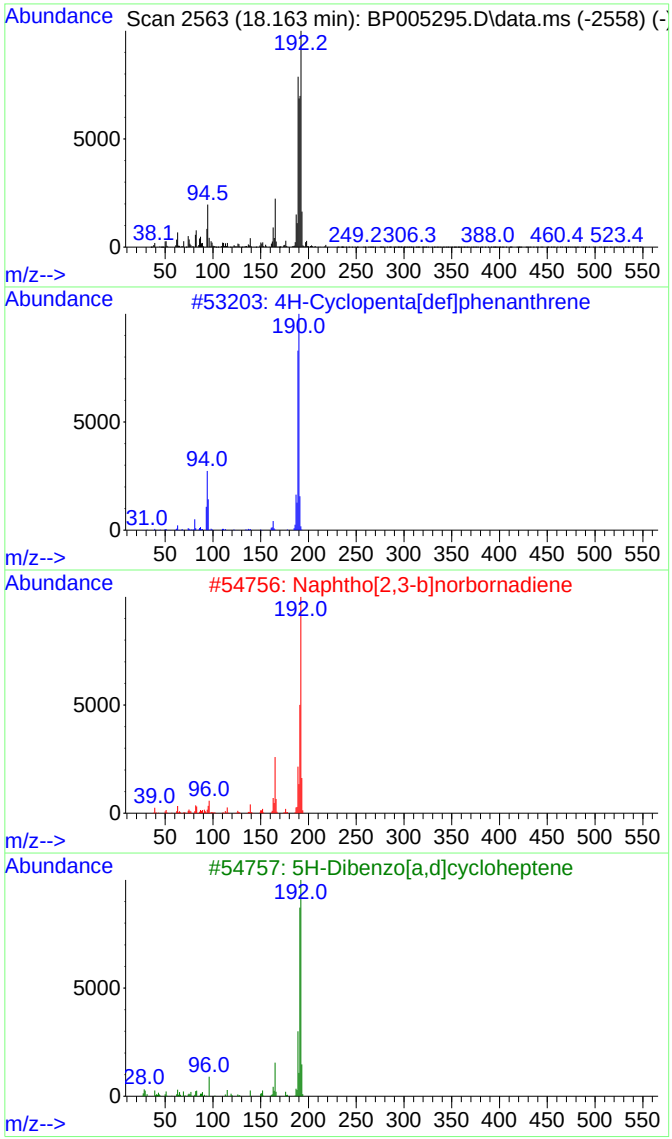
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

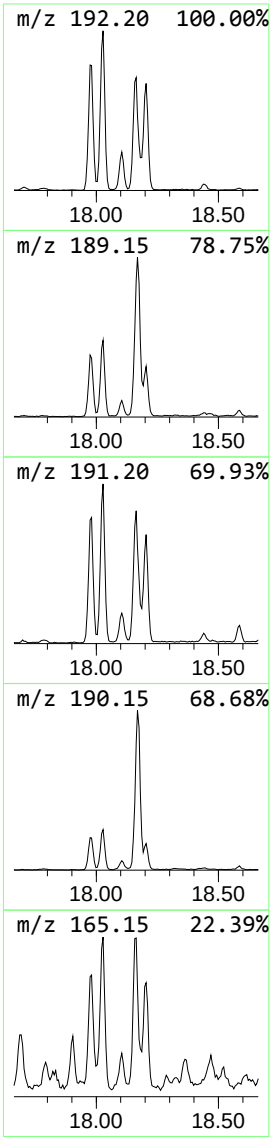
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.163	24.05 ng	903133	Phenanthrene-d10	17.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	55
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50





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Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
NANUET-ST-041221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

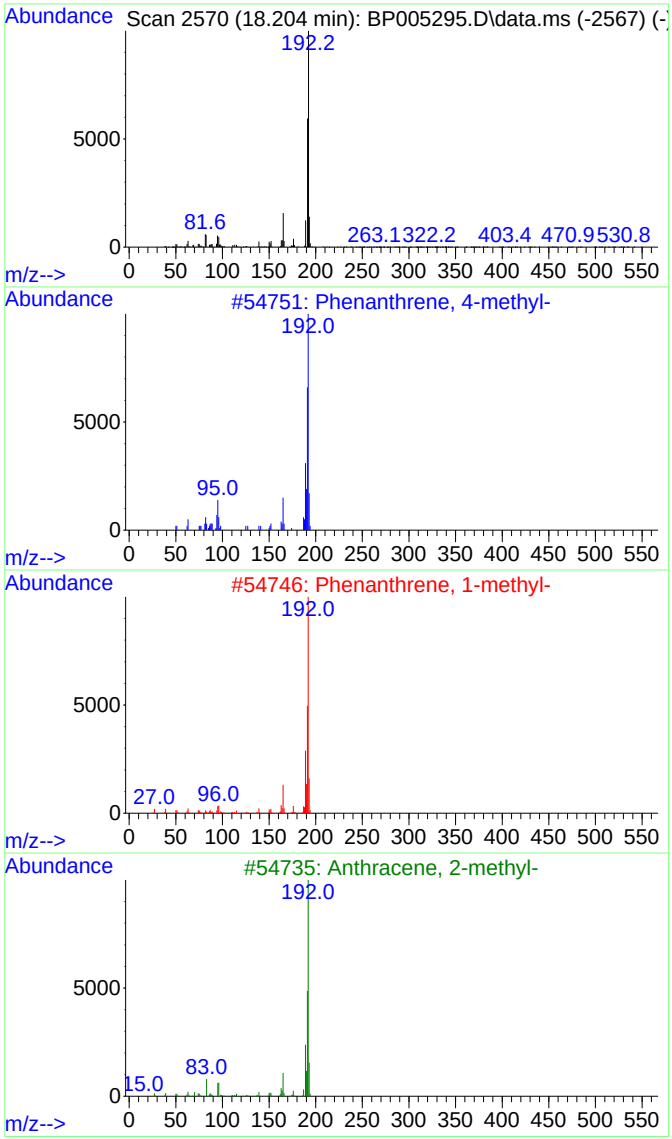
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

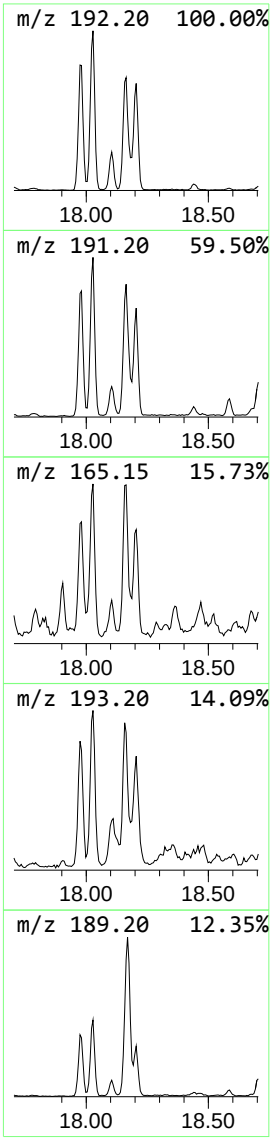
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.204	11.09 ng	416357	Phenanthrene-d10	17.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NANUET-ST-041221

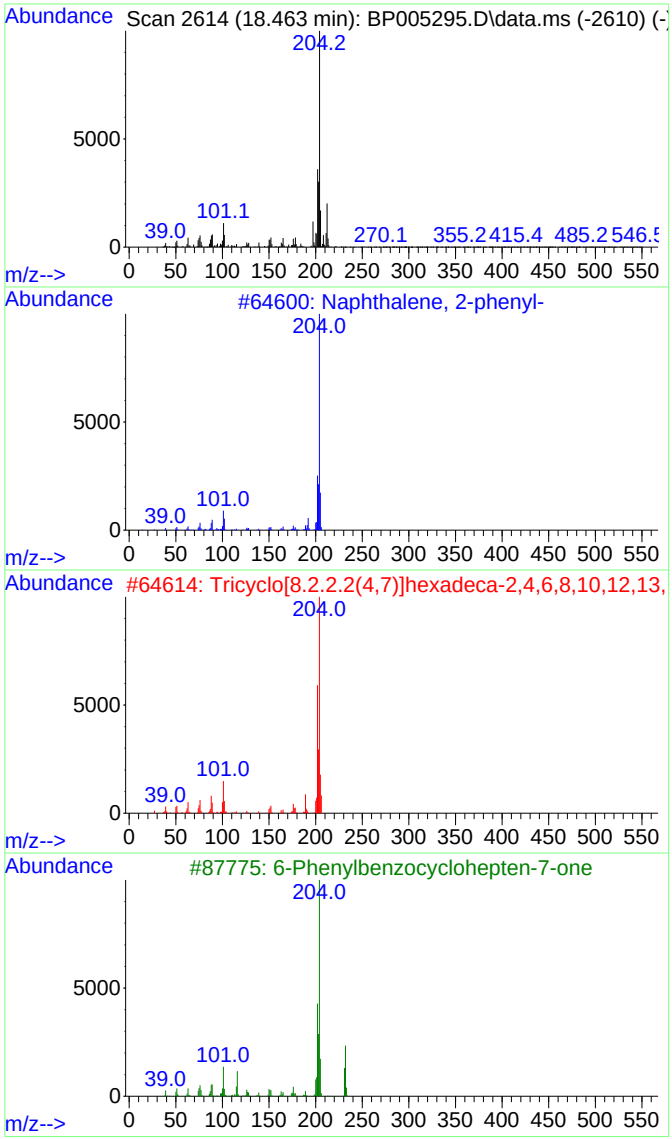
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

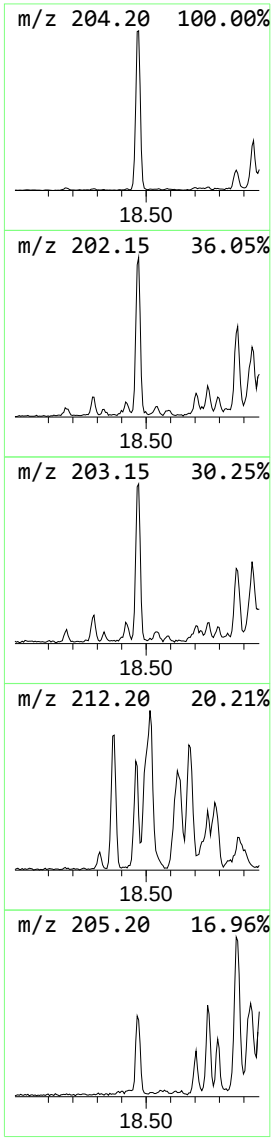
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.463	8.46 ng	317717	Phenanthrene-d10	17.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	59
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49





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Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId :
NANUET-ST-041221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.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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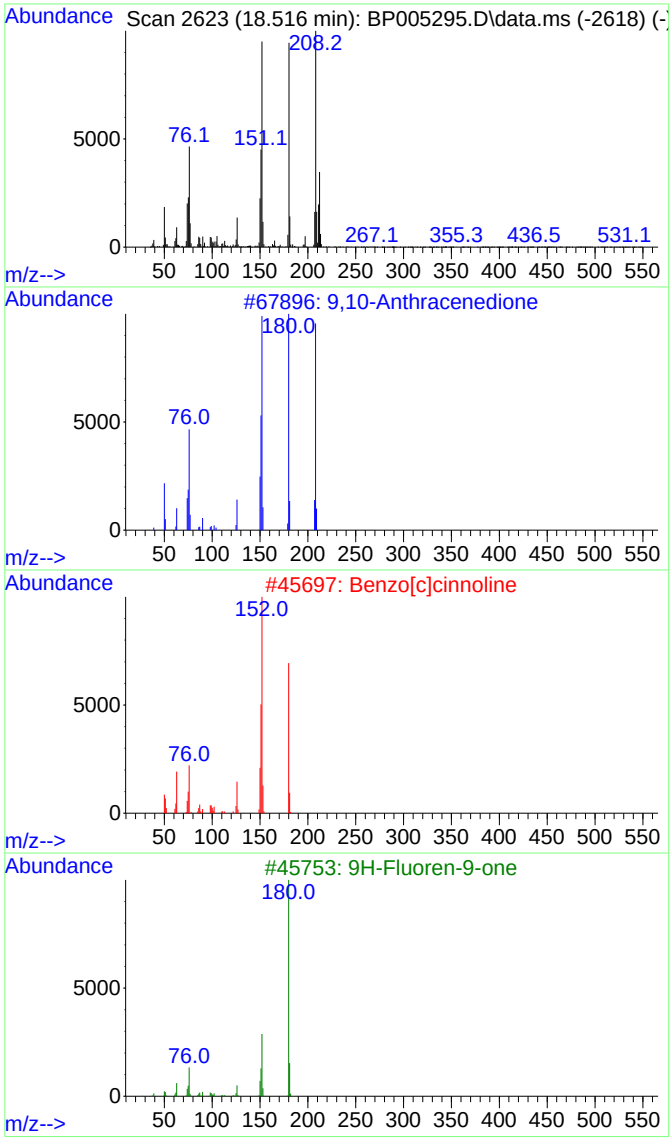
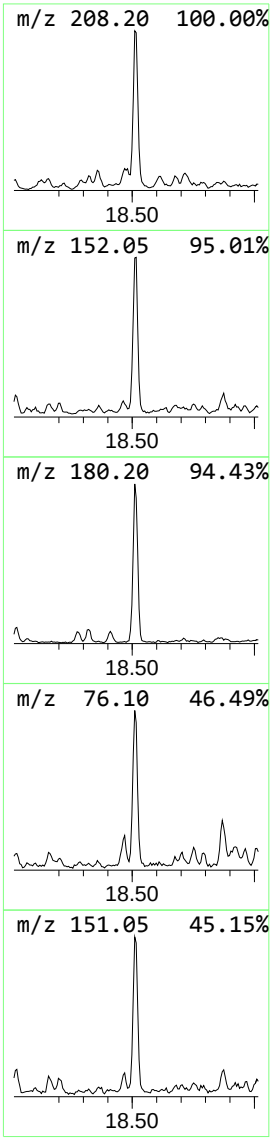
Peak Number 9 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.516	14.26 ng	535534	Phenanthrene-d10	17.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50





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Acq On : 13 Apr 2021 19:41
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NANUET-ST-041221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

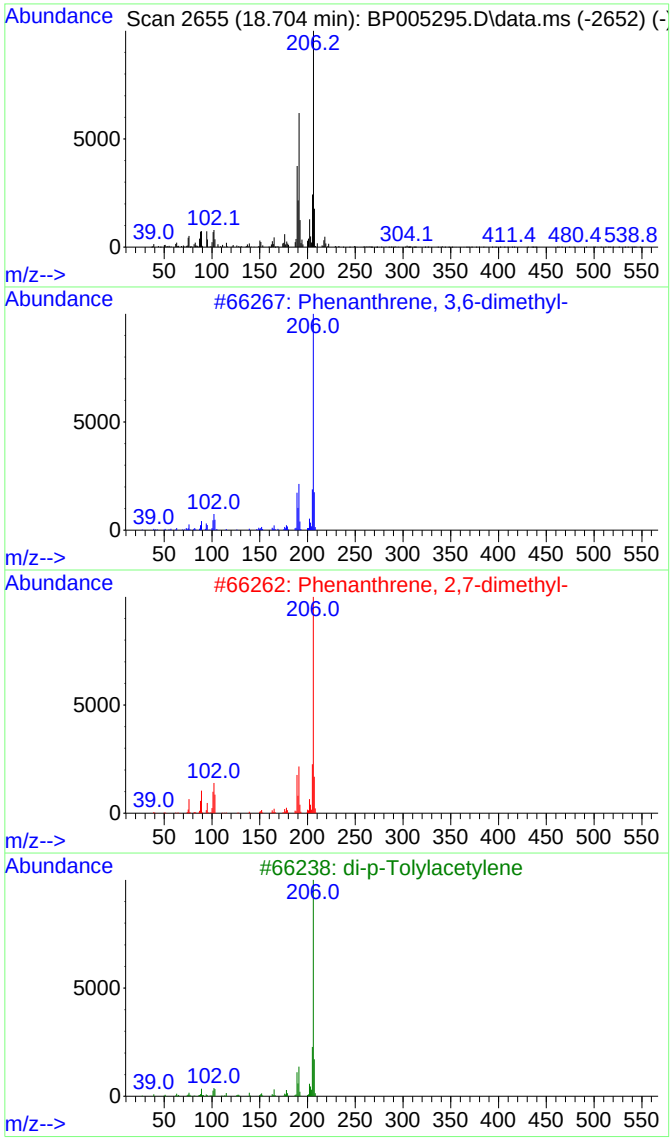
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

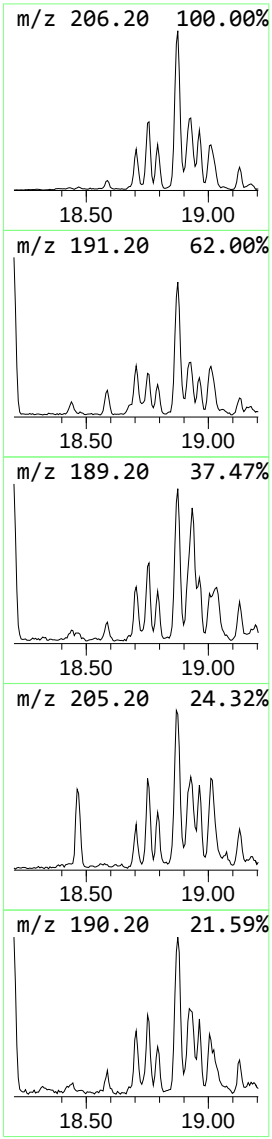
****

Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.704	4.58 ng	172037	Phenanthrene-d10	17.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83





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Acq On : 13 Apr 2021 19:41
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NANUET-ST-041221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.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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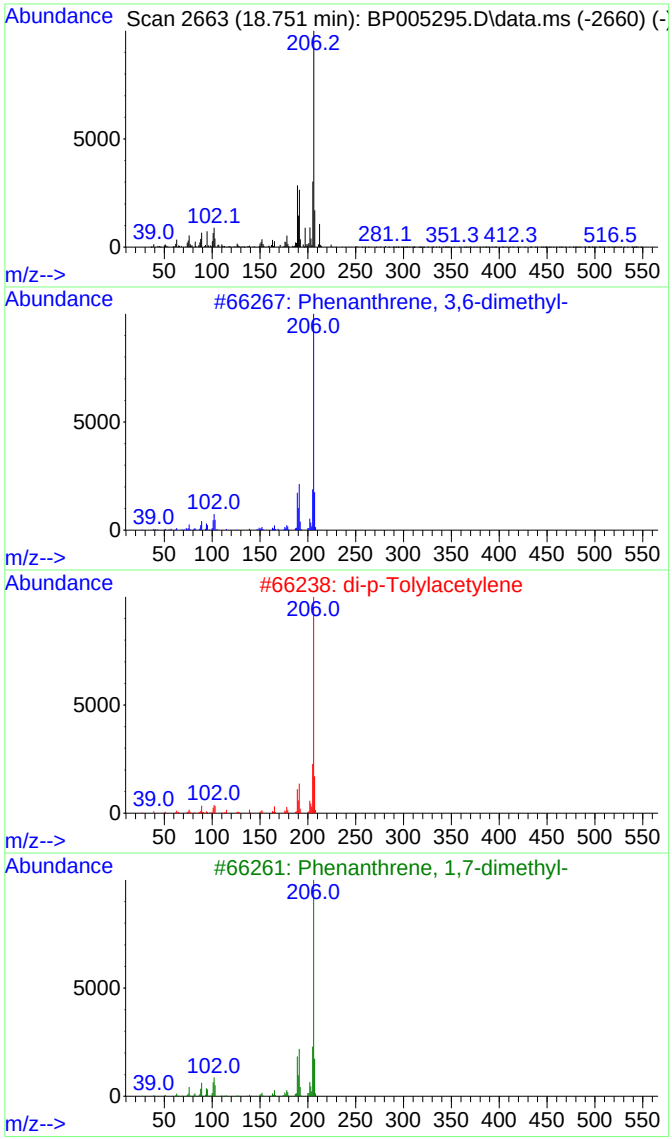
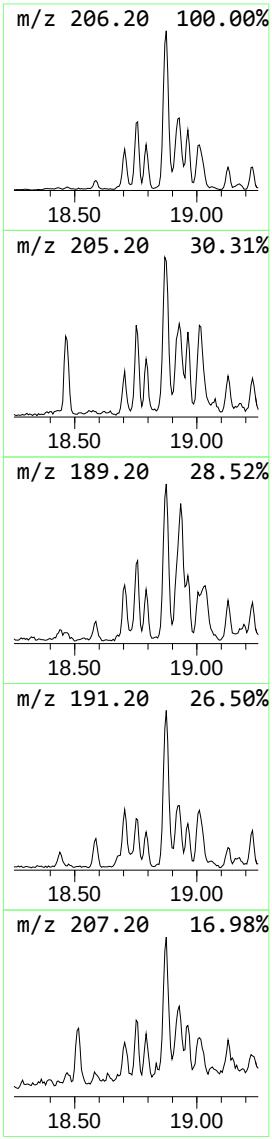
Peak Number 11 di-p-Tolylacetylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.751	5.61 ng	210601	Phenanthrene-d10	17.104

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	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	74





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Acq On : 13 Apr 2021 19:41
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
NANUET-ST-041221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

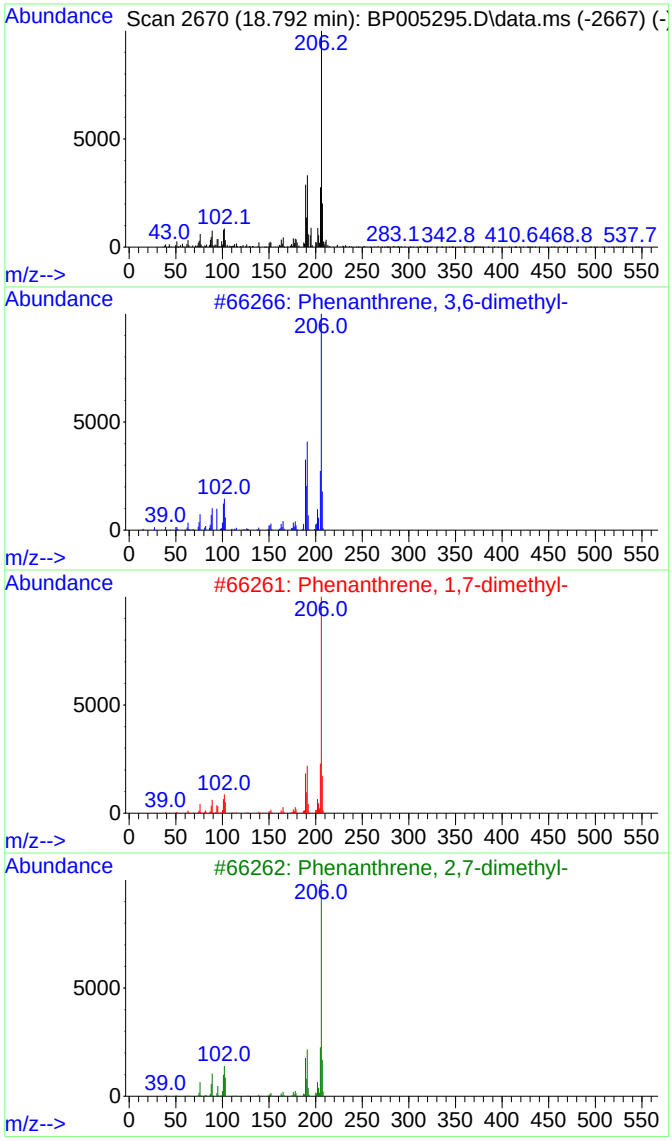
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

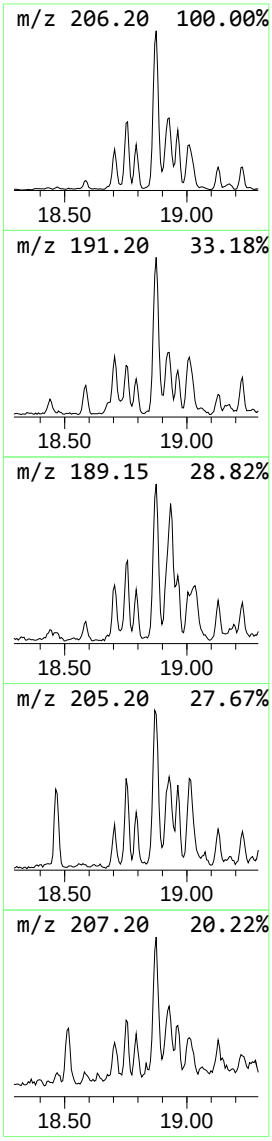
****

Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.792	4.68 ng	175755	Phenanthrene-d10	17.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

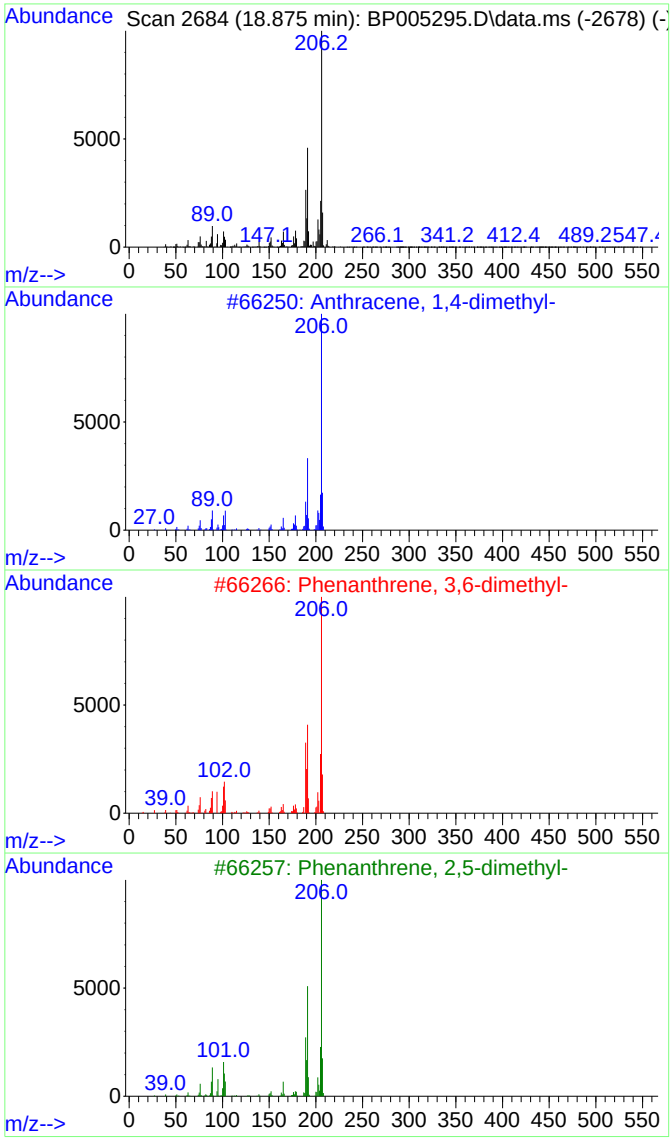
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

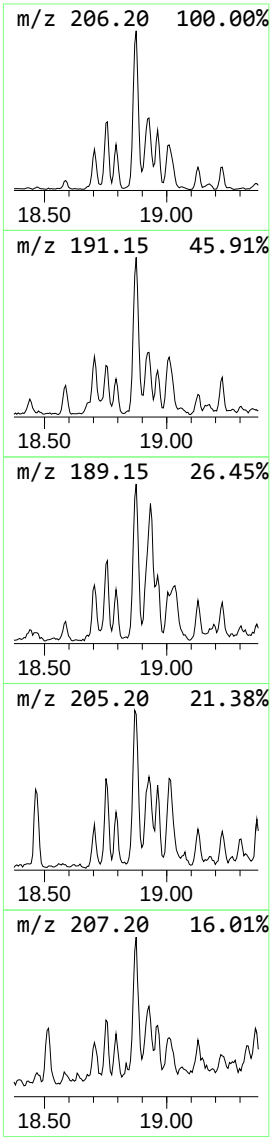
****

Peak Number 13 Anthracene, 1,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.875	19.22 ng	721918	Phenanthrene-d10	17.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

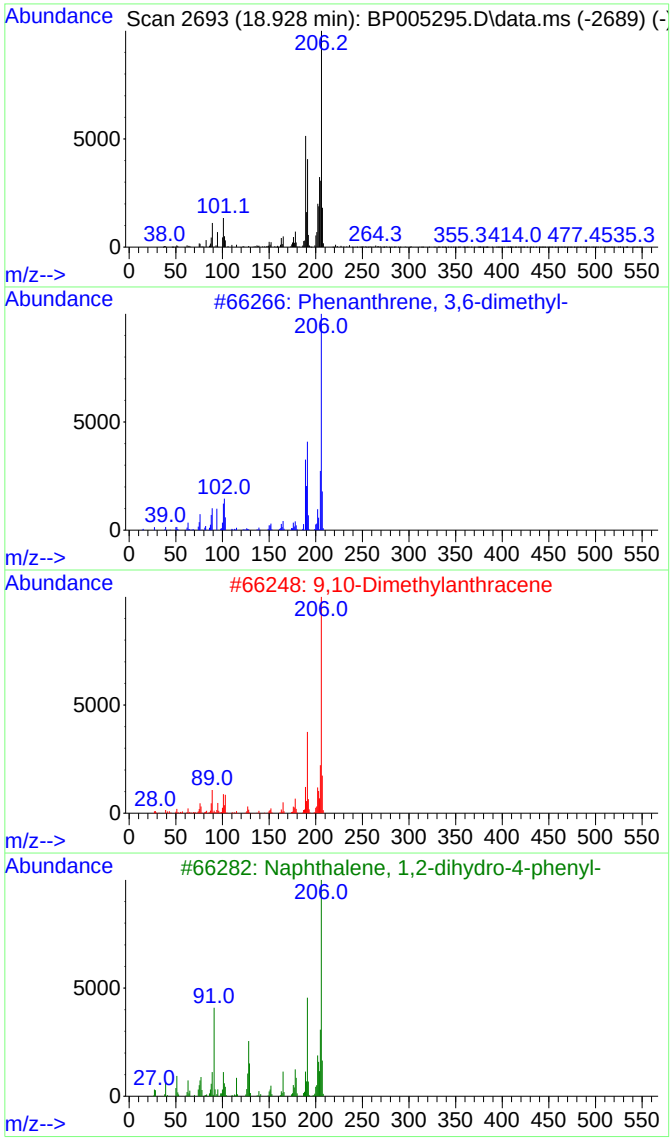
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

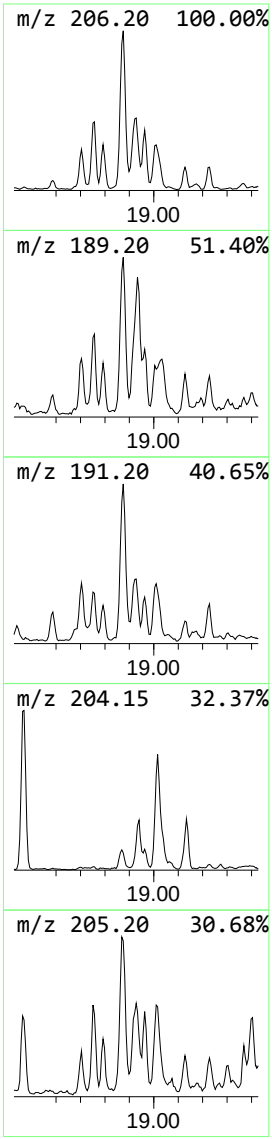
****

Peak Number 14 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.928	8.75 ng	328524	Phenanthrene-d10	17.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	70
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	68
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	64





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Misc :
ALS Vial : 18 Sample Multiplier: 1

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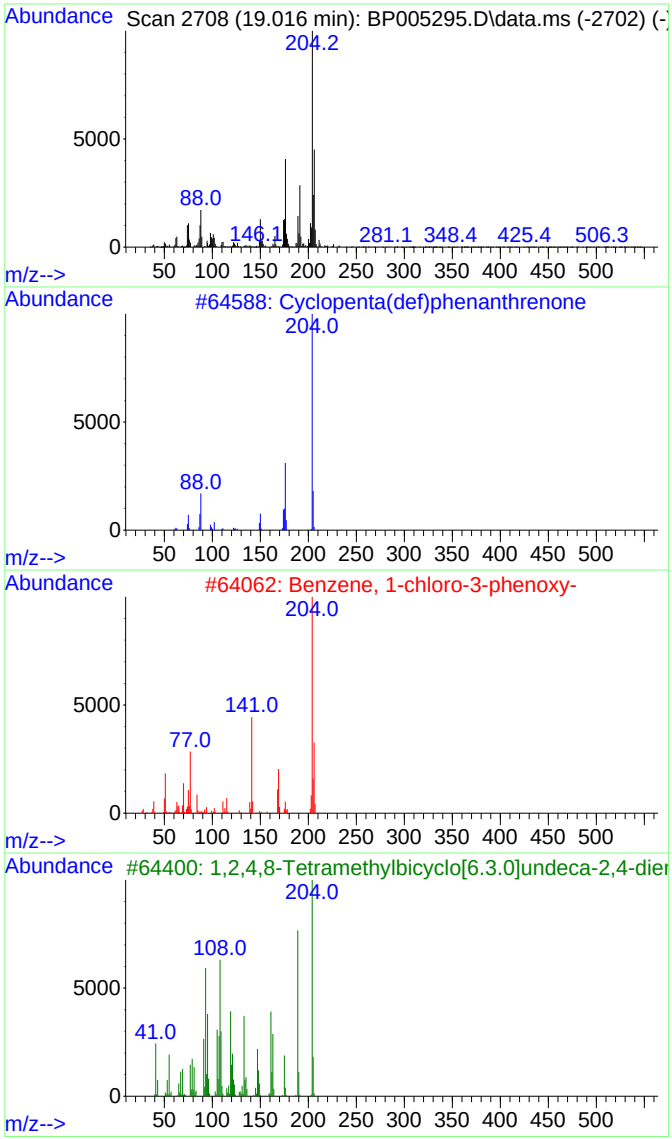
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

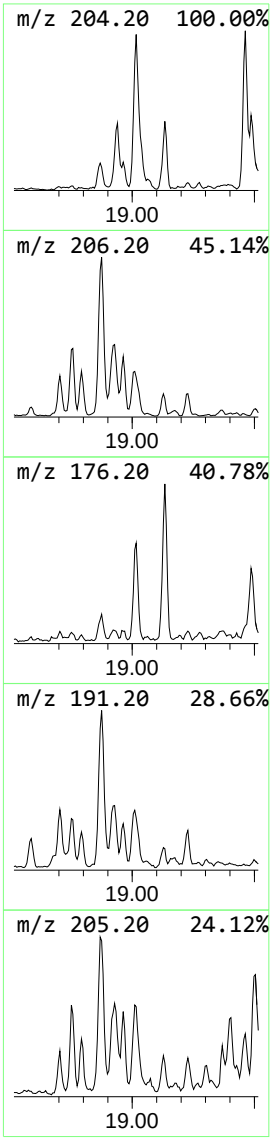
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.016	12.29 ng	461588	Phenanthrene-d10	17.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43





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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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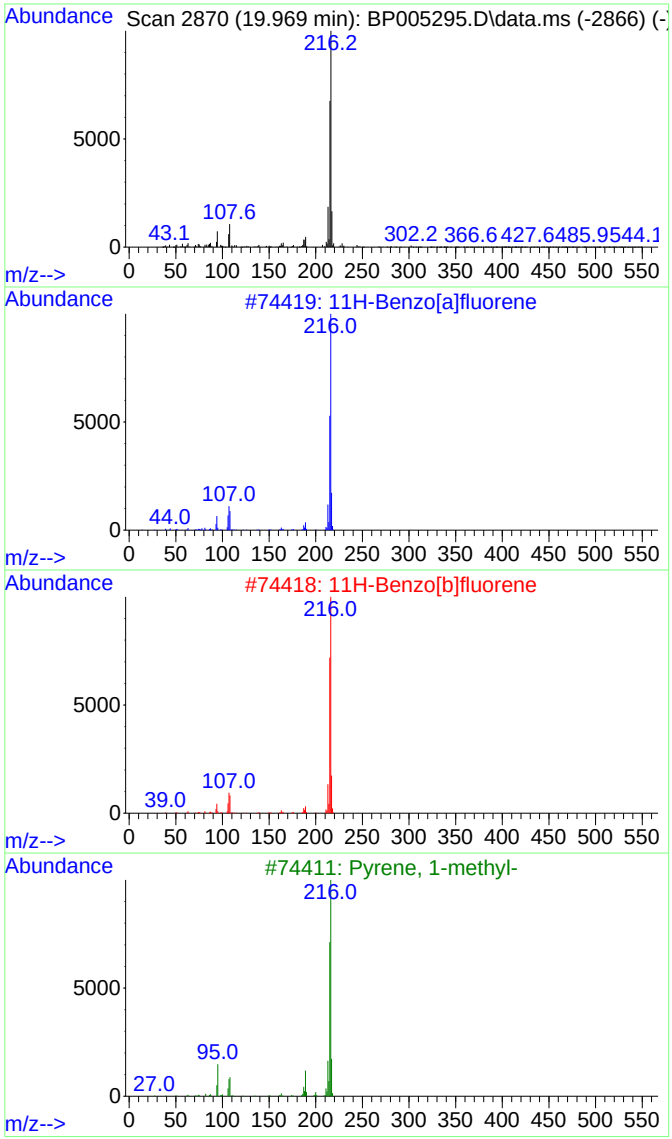
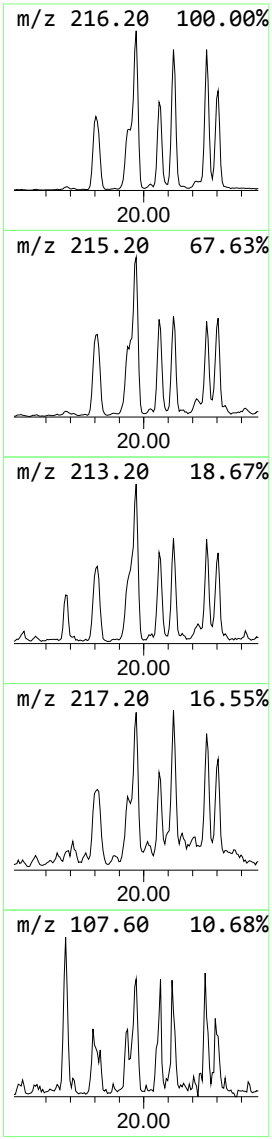
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.969	4.73 ng	691017	Chrysene-d12	21.210

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	72





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Data File : BP005295.D
Acq On : 13 Apr 2021 19:41
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NANUET-ST-041221

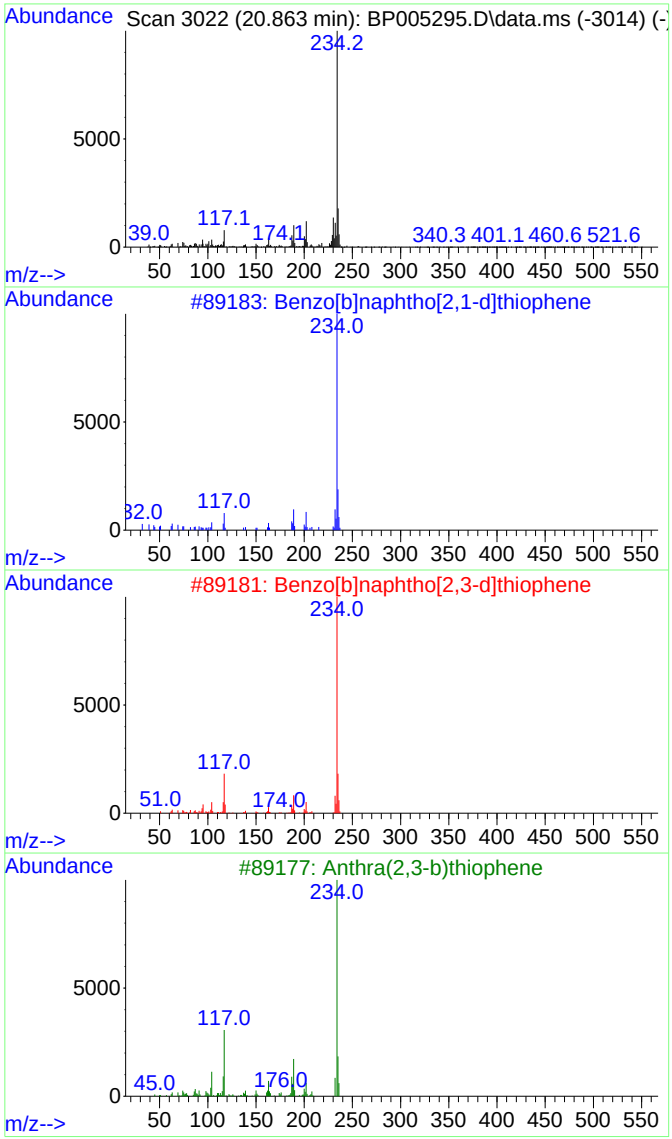
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

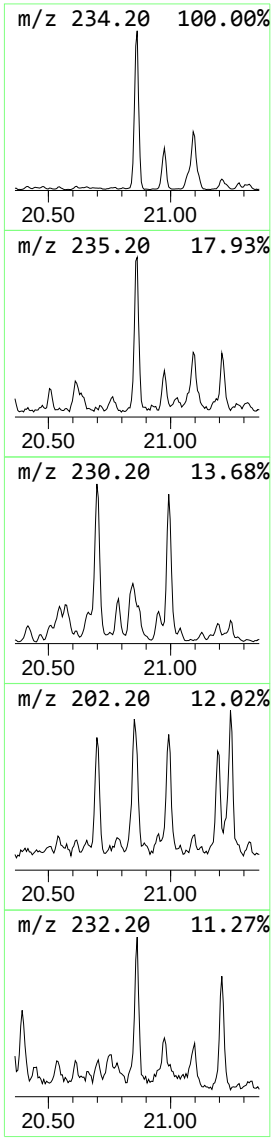
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.863	4.93 ng	721396	Chrysene-d12	21.210

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	90
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041321\
Data File : BP005295.D
Acq On : 13 Apr 2021 19:41
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NANUET-ST-041221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.M
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TIC Library : C:\DATABASE\NIST11.L
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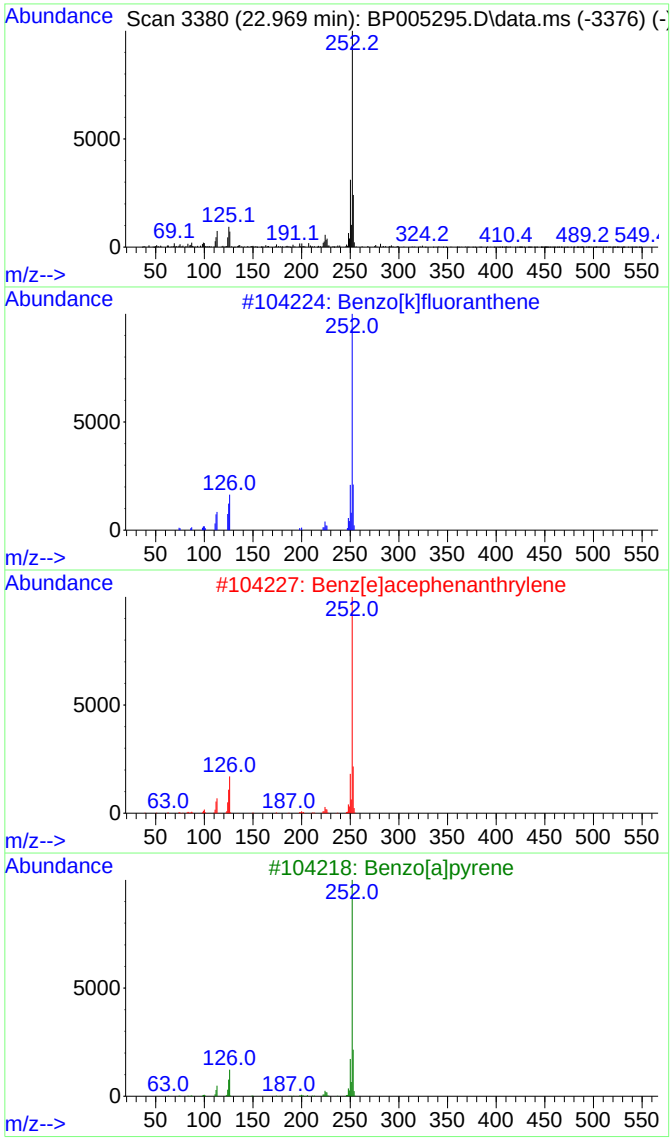
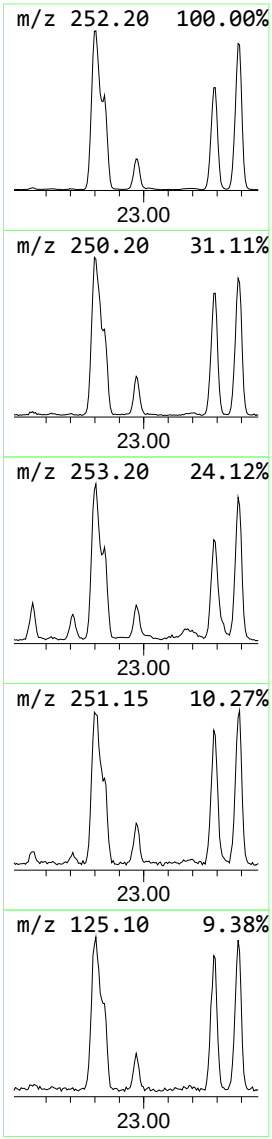
Peak Number 18 Perylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.969	7.53 ng	246806	Perylene-d12	23.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[e]pyrene	252	C20H12	000192-97-2	76





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Data File : BP005295.D
Acq On : 13 Apr 2021 19:41
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NANUET-ST-041221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.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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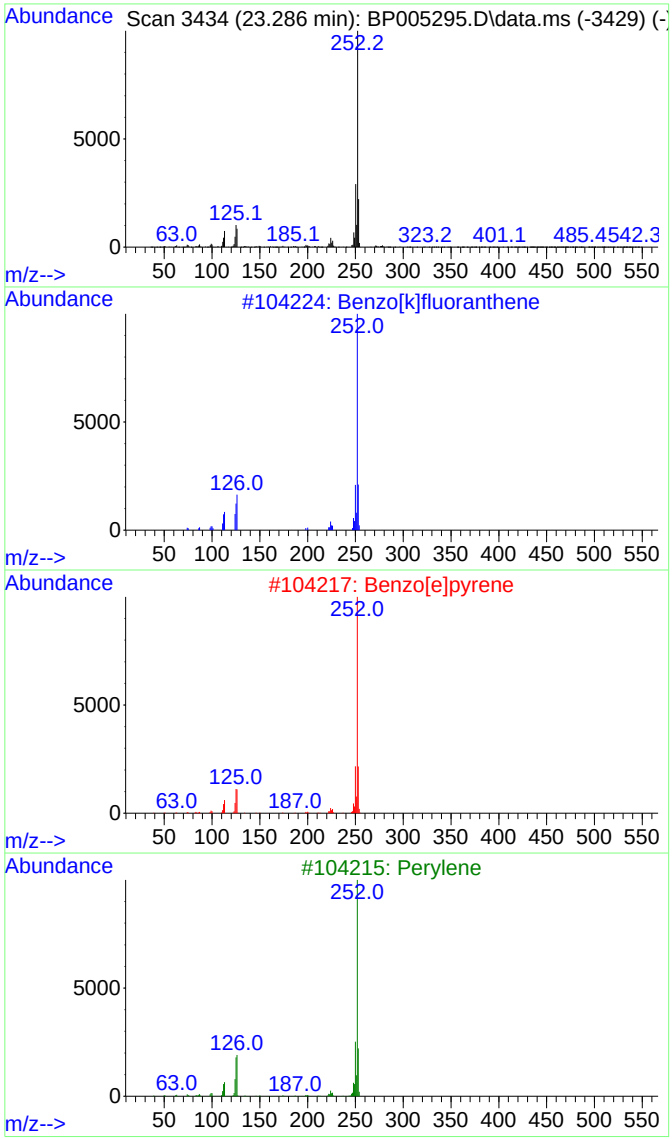
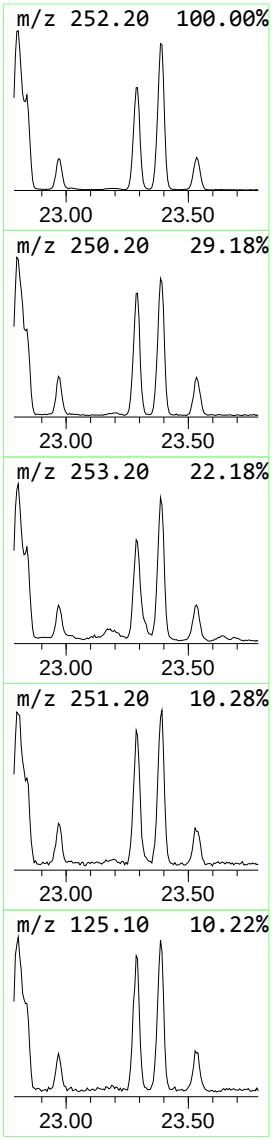
Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.286	27.99 ng	916988	Perylene-d12	23.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Perylene	252	C20H12	000198-55-0	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





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Data File : BP005295.D
Acq On : 13 Apr 2021 19:41
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NANUET-ST-041221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.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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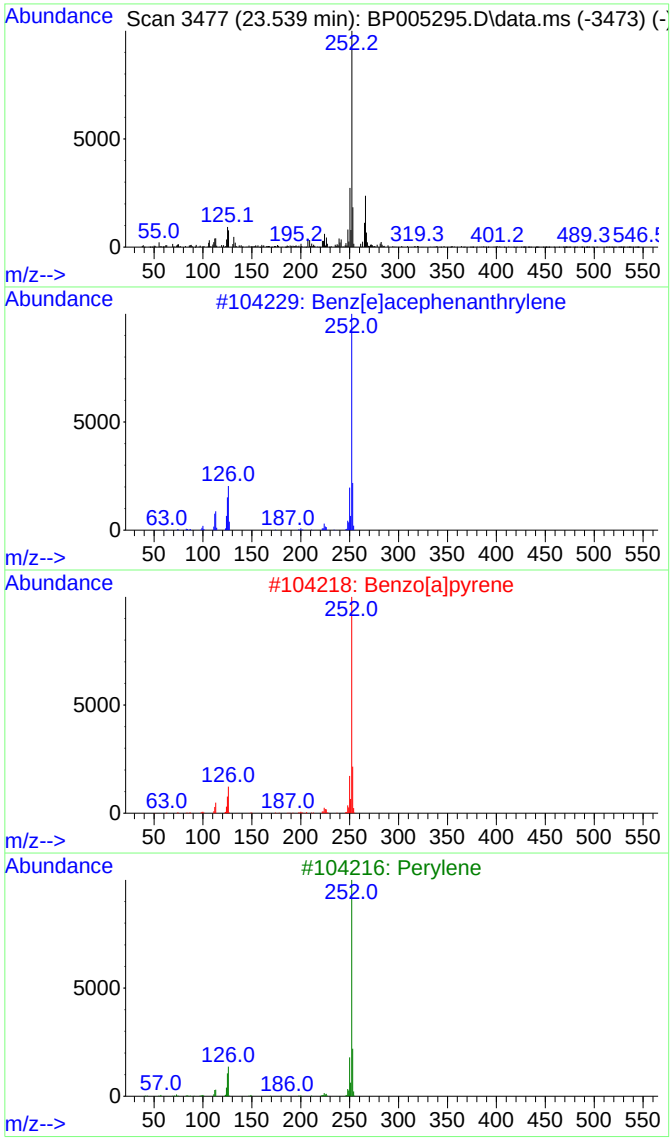
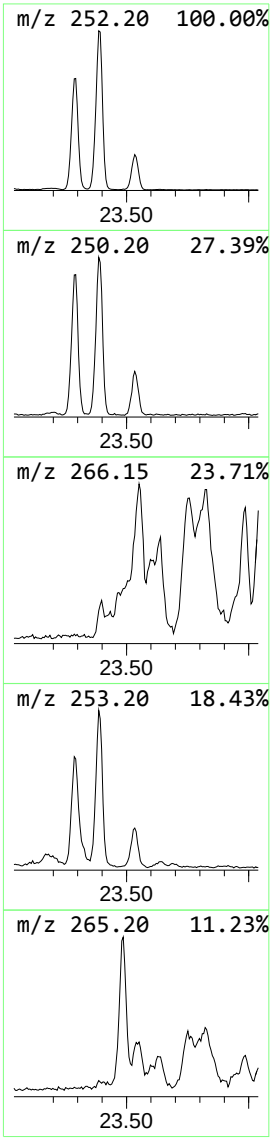
Peak Number 20 unknown23.539 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.539	12.32 ng	403475	Perylene-d12	23.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	64
2	Benzo[a]pyrene	252	C20H12	000050-32-8	52
3	Perylene	252	C20H12	000198-55-0	52
4	7-Methoxyflavone	252	C16H12O3	022395-22-8	47
5	4H-1-Benzopyran-4-one, 8-methoxy...	252	C16H12O3	026964-26-1	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041321\
Data File : BP005295.D
Acq On : 13 Apr 2021 19:41
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : NANUET-ST-041221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.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
unknown16.075	16.075	4.3	ng	162915	4	17.104	751150	20.0
Dibenzothiophene	16.916	5.2	ng	194039	4	17.104	751150	20.0
Dibenzothiophen...	17.687	6.2	ng	234072	4	17.104	751150	20.0
Phenanthrene, 4...	17.981	15.5	ng	582668	4	17.104	751150	20.0
Phenanthrene, 2...	18.028	20.8	ng	782097	4	17.104	751150	20.0
4H-Cyclopenta[d...	18.163	24.1	ng	903133	4	17.104	751150	20.0
Phenanthrene, 1...	18.204	11.1	ng	416357	4	17.104	751150	20.0
Naphthalene, 2-...	18.463	8.5	ng	317717	4	17.104	751150	20.0
9,10-Anthracene...	18.516	14.3	ng	535534	4	17.104	751150	20.0
Phenanthrene, 3...	18.704	4.6	ng	172037	4	17.104	751150	20.0
di-p-Tolylacety...	18.751	5.6	ng	210601	4	17.104	751150	20.0
Phenanthrene, 1...	18.792	4.7	ng	175755	4	17.104	751150	20.0
Anthracene, 1,4...	18.875	19.2	ng	721918	4	17.104	751150	20.0
9,10-Dimethylan...	18.928	8.8	ng	328524	4	17.104	751150	20.0
Cyclopenta(def)...	19.016	12.3	ng	461588	4	17.104	751150	20.0
11H-Benzo[a]flu...	19.969	4.7	ng	691017	5	21.210	2923860	20.0
Benzo[b]naphtho...	20.863	4.9	ng	721396	5	21.210	2923860	20.0
Perylene	22.969	7.5	ng	246806	6	23.486	655258	20.0
Benzo[e]pyrene	23.286	28.0	ng	916988	6	23.486	655258	20.0
unknown23.539	23.539	12.3	ng	403475	6	23.486	655258	20.0