LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010422\
Data File : BP008671.D
Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
361

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-BP122821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008671.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.464	414	421	441	rBV	6665251	10029343	24.64%	3.372%
2	7.058	683	692	711	rBV	5664812	9529000	23.41%	3.204%
3	7.887	825	833	841	rBV	1667172	2774171	6.82%	0.933%
4	9.040	1016	1029	1042	rBV	3828371	6461070	15.87%	2.172%
5	10.687	1300	1309	1315	rBV	2041300	3520039	8.65%	1.184%
6	13.140	1719	1726	1744	rBV	9394127	14852108	36.49%	4.994%
7	13.840	1838	1845	1850	rBV	355243	617050	1.52%	0.207%
8	14.234	1906	1912	1923	rBV	894852	1534012	3.77%	0.516%
9	14.516	1950	1960	1966	rBV	2666466	4070557	10.00%	1.369%
10	14.575	1966	1970	1979	rVB	526233	896950	2.20%	0.302%
11	14.916	2022	2028	2035	rVB2	324107	580257	1.43%	0.195%
12	15.134	2057	2065	2071	rBV4	250408	665712	1.64%	0.224%
13	15.563	2133	2138	2150	rVB2	566436	1147504	2.82%	0.386%
14	15.857	2183	2188	2199	rVB3	222637	516861	1.27%	0.174%
15	16.004	2205	2213	2222	rBV	6405574	9836196	24.17%	3.307%
16	16.239	2248	2253	2263	rVB3	353809	649940	1.60%	0.219%
17	16.569	2302	2309	2314	rBV3	248409	541754	1.33%	0.182%
18	16.916	2364	2368	2376	rVB3	367863	664230	1.63%	0.223%
19	17.081	2392	2396	2408	rVB	501612	817388	2.01%	0.275%
20	17.263	2421	2427	2430	rBV	3012276	4274525	10.50%	1.437%
21	17.304	2430	2434	2441	rVV	6269236	9410196	23.12%	3.164%
22	17.398	2445	2450	2455	rVV	1607689	2350278	5.77%	0.790%
23	17.457	2455	2460	2466	rVV3	274562	517278	1.27%	0.174%
24	17.669	2489	2496	2500	rBV	336954	609316	1.50%	0.205%
25	17.845	2521	2526	2534	rVB	703810	1051164	2.58%	0.353%
26	17.986	2546	2550	2557	rVB	386744	676646	1.66%	0.228%
27	18.133	2569	2575	2578	rVV	2139275	3305810	8.12%	1.112%
28	18.175	2578	2582	2589	rVV	2583588	4167296	10.24%	1.401%
29	18.257	2591	2596	2600	rVV	618858	917589	2.25%	0.309%
30	18.316	2600	2606	2610	rVV2	2516273	4623098	11.36%	1.554%
31	18.351	2610	2612	2620	rVB	1659057	2129462	5.23%	0.716%
32	18.516	2636	2640	2644	rVV3	371502	512605	1.26%	0.172%
33	18.610	2652	2656	2660	rBV2	1056247	1501054	3.69%	0.505%
34	18.645	2660	2662	2674	rVB2	1055417	1844037	4.53%	0.620%
35	18.828	2689	2693	2694	rBV2	323677	422796	1.04%	0.142%
36	18.851	2694	2697	2702	rVV	684717	986468	2.42%	0.332%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010422\
Data File : BP008671.D
Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
361

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-BP122821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.898	2702	2705	2709	rVV	855650	1162608	2.86%	0.391%
38	18.939	2709	2712	2716	rVB2	676677	852211	2.09%	0.287%
39	19.022	2716	2726	2730	rBV	2242024	4000997	9.83%	1.345%
40	19.075	2730	2735	2738	rVV2	899211	1807015	4.44%	0.608%
41	19.104	2738	2740	2744	rVB	696216	821115	2.02%	0.276%
42	19.151	2744	2748	2755	rBV2	1089386	2035342	5.00%	0.684%
43	19.269	2763	2768	2774	rBV	9840729	13235037	32.52%	4.450%
44	19.333	2775	2779	2782	rBV2	491530	655035	1.61%	0.220%
45	19.369	2782	2785	2790	rBV3	395824	636083	1.56%	0.214%
46	19.416	2790	2793	2797	rVB	563018	673656	1.66%	0.227%
47	19.457	2797	2800	2804	rVB2	392587	497555	1.22%	0.167%
48	19.510	2805	2809	2812	rBV	627315	900547	2.21%	0.303%
49	19.622	2819	2828	2836	rBV	9662019	16169713	39.73%	5.437%
50	19.698	2836	2841	2846	rVB3	943278	1628837	4.00%	0.548%
51	19.822	2847	2862	2867	rBV	14476988	20191607	49.61%	6.789%
52	19.939	2877	2882	2893	rBV5	1179959	3124203	7.68%	1.050%
53	20.027	2893	2897	2900	rVV2	318908	526261	1.29%	0.177%
54	20.069	2900	2904	2906	rVV3	1001189	1522810	3.74%	0.512%
55	20.104	2907	2910	2914	rVB	1884720	2424771	5.96%	0.815%
56	20.204	2923	2927	2931	rVB2	875984	1070518	2.63%	0.360%
57	20.257	2932	2936	2940	rVV2	1786366	2333990	5.73%	0.785%
58	20.398	2956	2960	2963	rBV	1388824	1809713	4.45%	0.608%
59	20.439	2963	2967	2971	rVB2	1379073	1756981	4.32%	0.591%
60	20.833	3031	3034	3041	rVB	1407167	2068647	5.08%	0.696%
61	20.922	3047	3049	3054	rVB	514699	632162	1.55%	0.213%
62	20.998	3055	3062	3066	rVV3	1500846	3232854	7.94%	1.087%
63	21.033	3066	3068	3071	rVV	1075396	1361694	3.35%	0.458%
64	21.069	3071	3074	3079	rVV4	1219618	2190056	5.38%	0.736%
65	21.122	3079	3083	3091	rVB2	1071707	1892394	4.65%	0.636%
66	21.339	3114	3120	3125	rBV3	6588180	14362156	35.29%	4.829%
67	21.380	3125	3127	3134	rVB	4869491	6278062	15.43%	2.111%
68	21.469	3137	3142	3154	rBV	25027468	40700510	100.00%	13.685%
69	21.927	3217	3220	3225	rVB	1376194	1833817	4.51%	0.617%
70	21.980	3226	3229	3235	rVB	1357461	1921454	4.72%	0.646%
71	22.139	3252	3256	3259	rBV	897149	1344199	3.30%	0.452%
72	23.033	3402	3408	3414	rBV	3273435	8527988	20.95%	2.867%
73	23.551	3491	3496	3506	rVB	2305645	4771273	11.72%	1.604%
74	23.657	3508	3514	3523	rVB	3004459	6179057	15.18%	2.078%
75	23.768	3526	3533	3538	rBV2	2861529	6138992	15.08%	2.064%
76	26.280	3954	3960	3975	rVB2	1597679	5132055	12.61%	1.726%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010422\
Data File : BP008671.D
Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
361

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-BP122821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

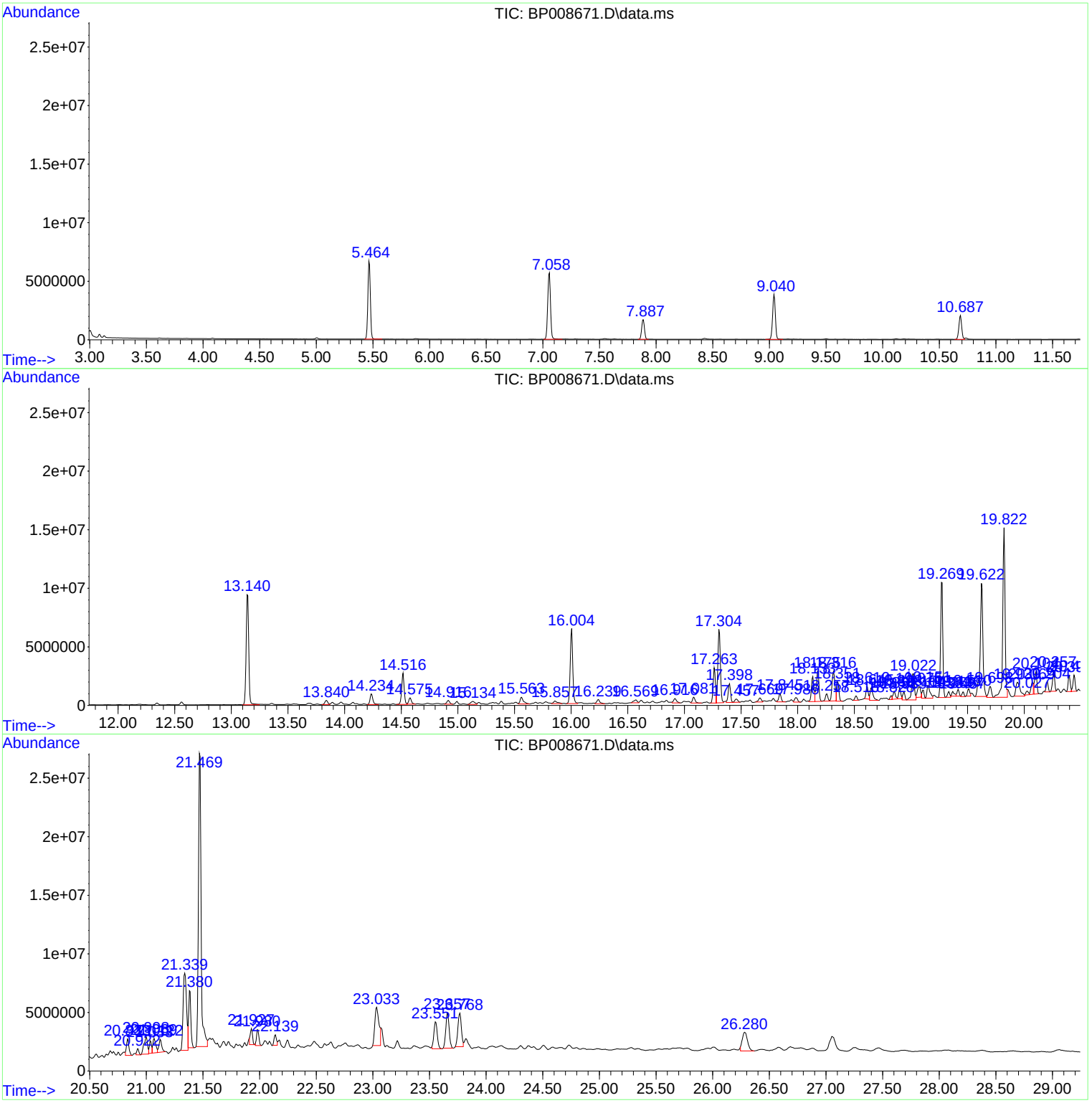
Sum of corrected areas: 297407735

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010422\
Data File : BP008671.D
Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
361

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010422\
Data File : BP008671.D
Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
361

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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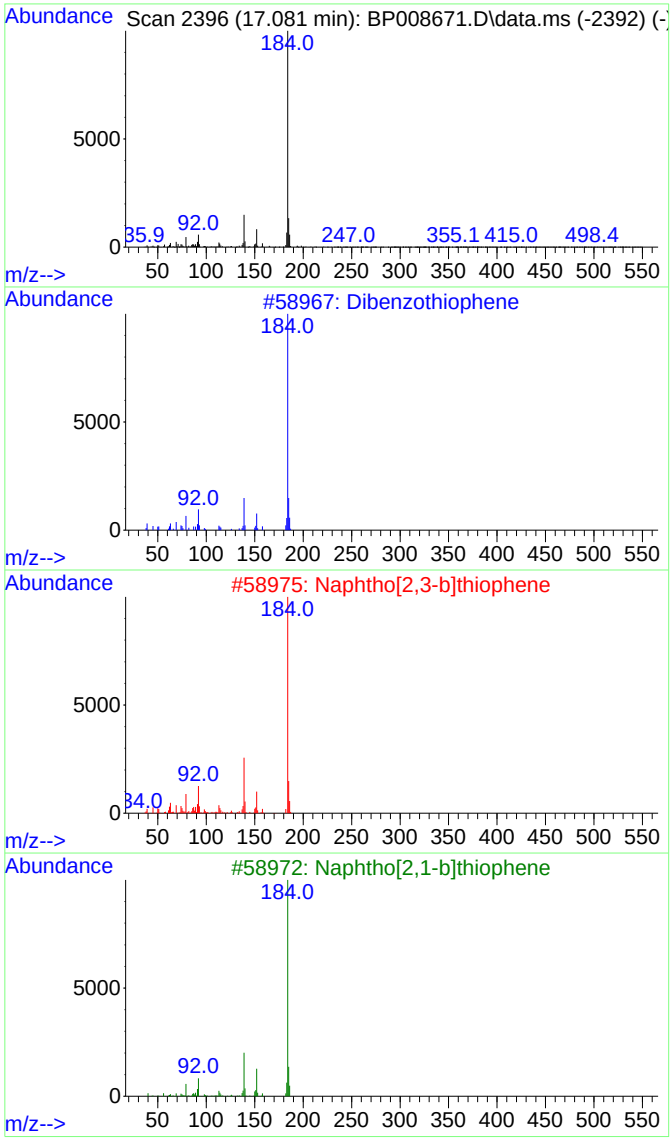
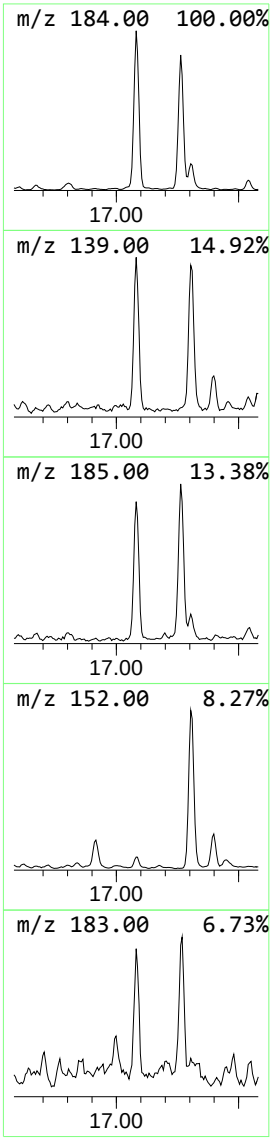
Peak Number 1 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.081	3.82 ng	817388	Phenanthrene-d10	17.263

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\BP010422\
Data File : BP008671.D
Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
361

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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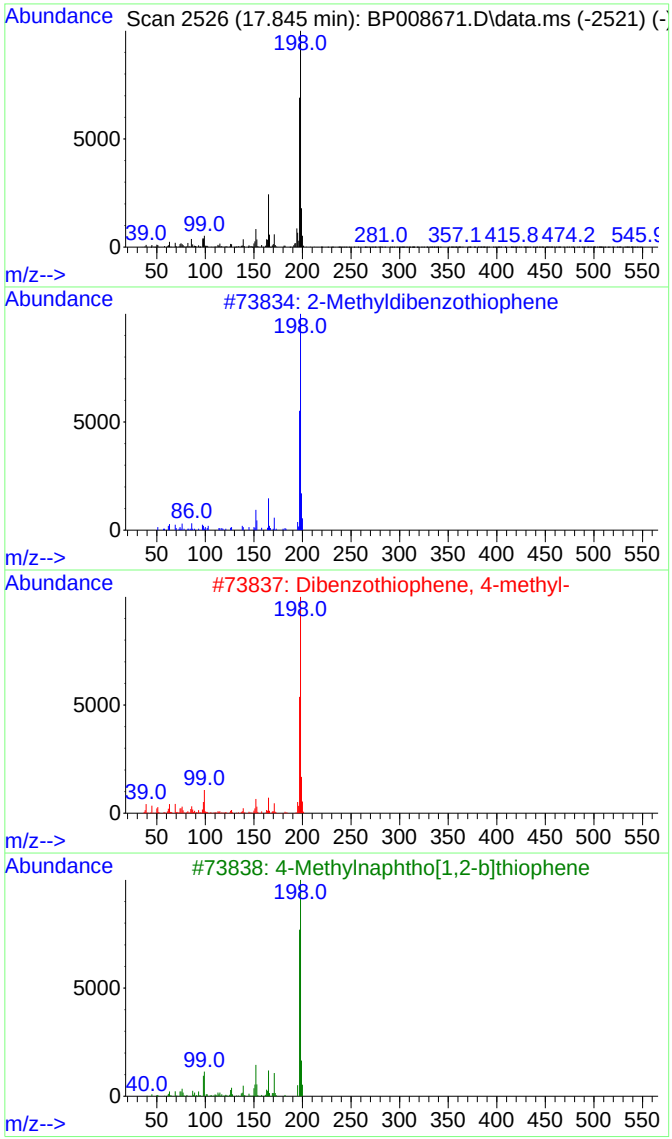
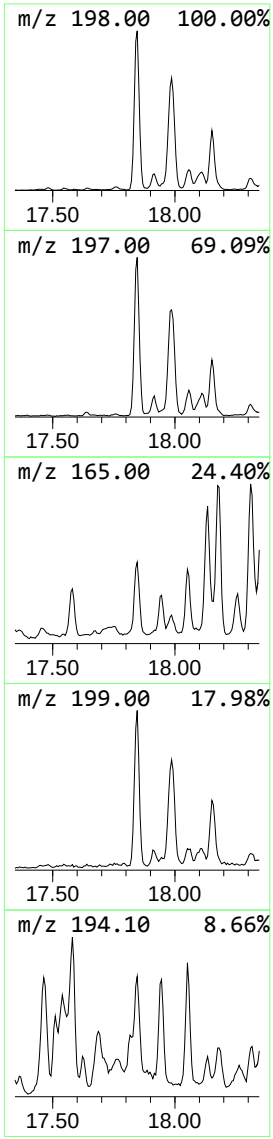
Peak Number 2 2-Methyldibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.845	4.92 ng	1051160	Phenanthrene-d10	17.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	93
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
5	Thioxanthene	198	C13H10S	000261-31-4	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010422\
Data File : BP008671.D
Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
361

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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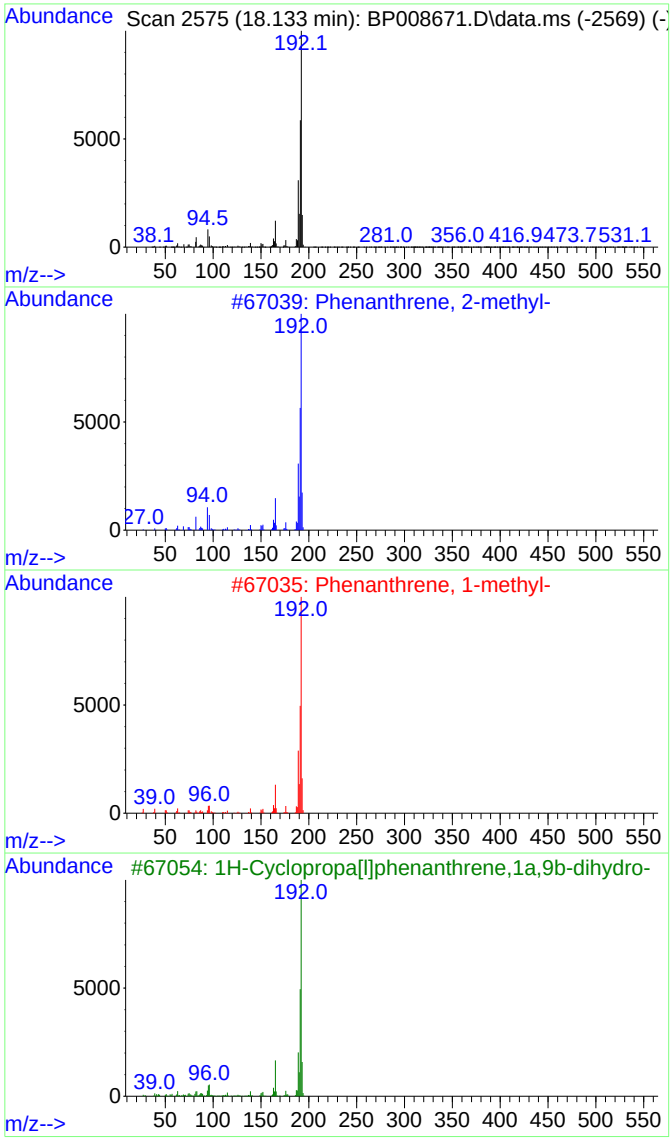
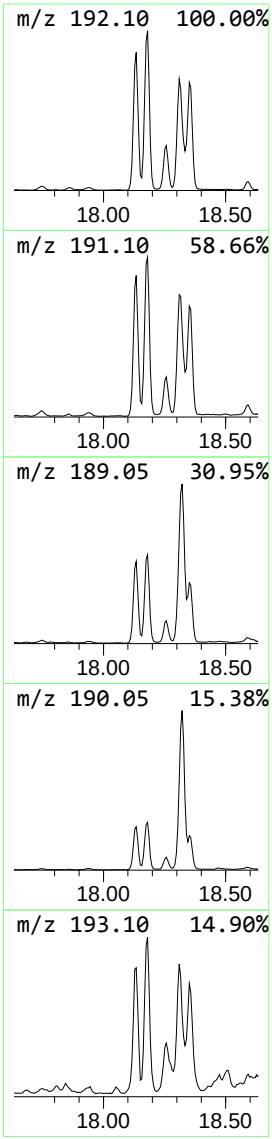
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.134	15.47 ng	3305810	Phenanthrene-d10	17.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010422\
Data File : BP008671.D
Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
361

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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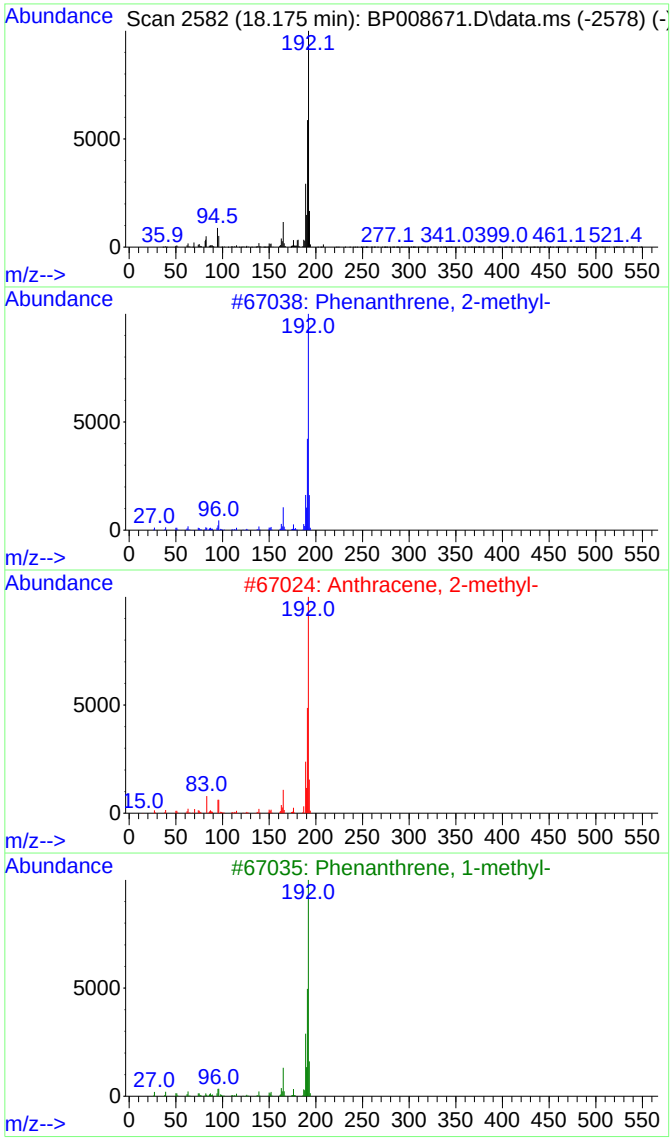
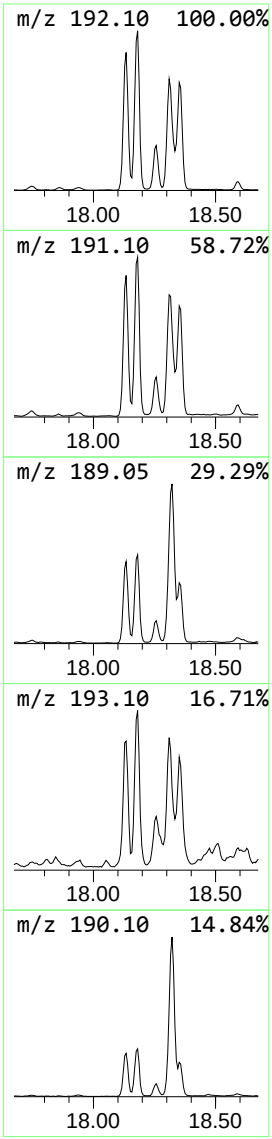
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.175	19.50 ng	4167300	Phenanthrene-d10	17.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010422\
Data File : BP008671.D
Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
361

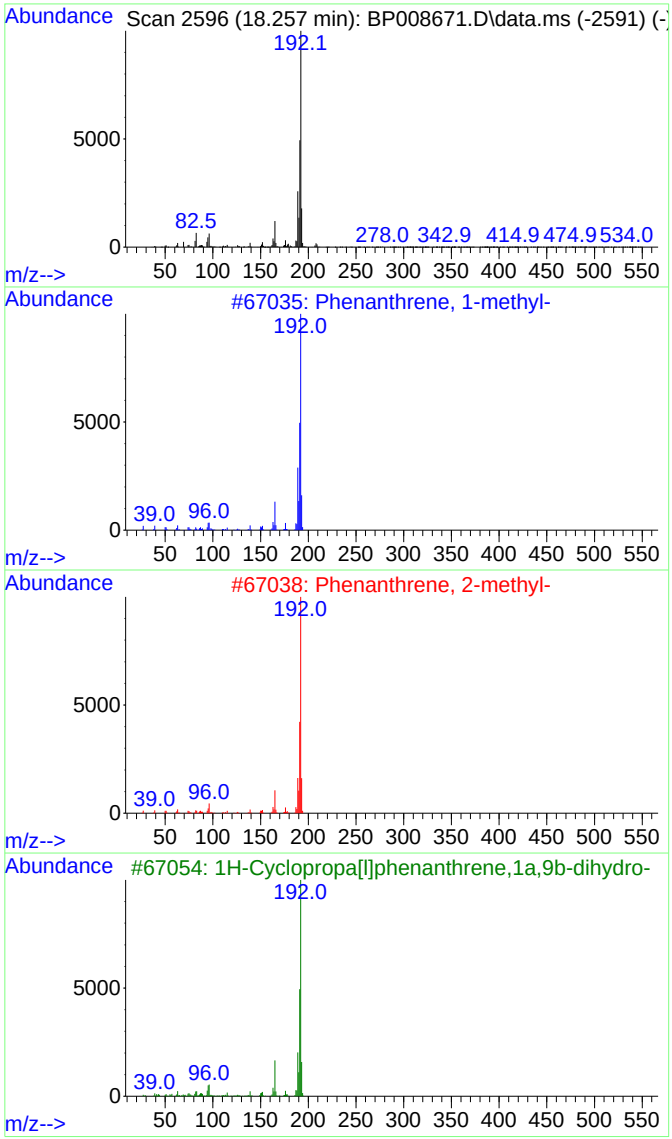
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

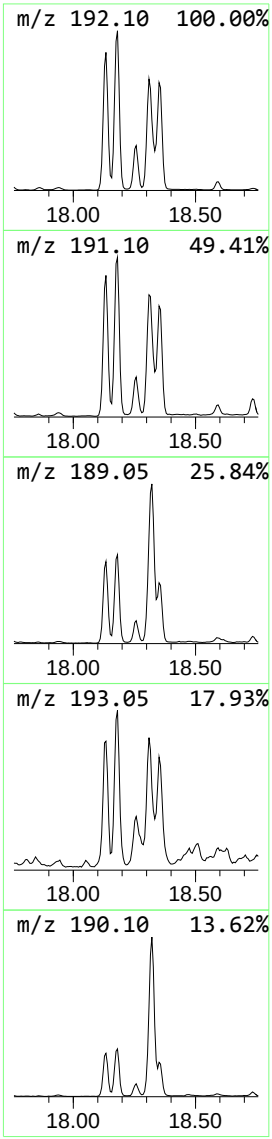
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.257	4.29 ng	917589	Phenanthrene-d10	17.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010422\
Data File : BP008671.D
Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
361

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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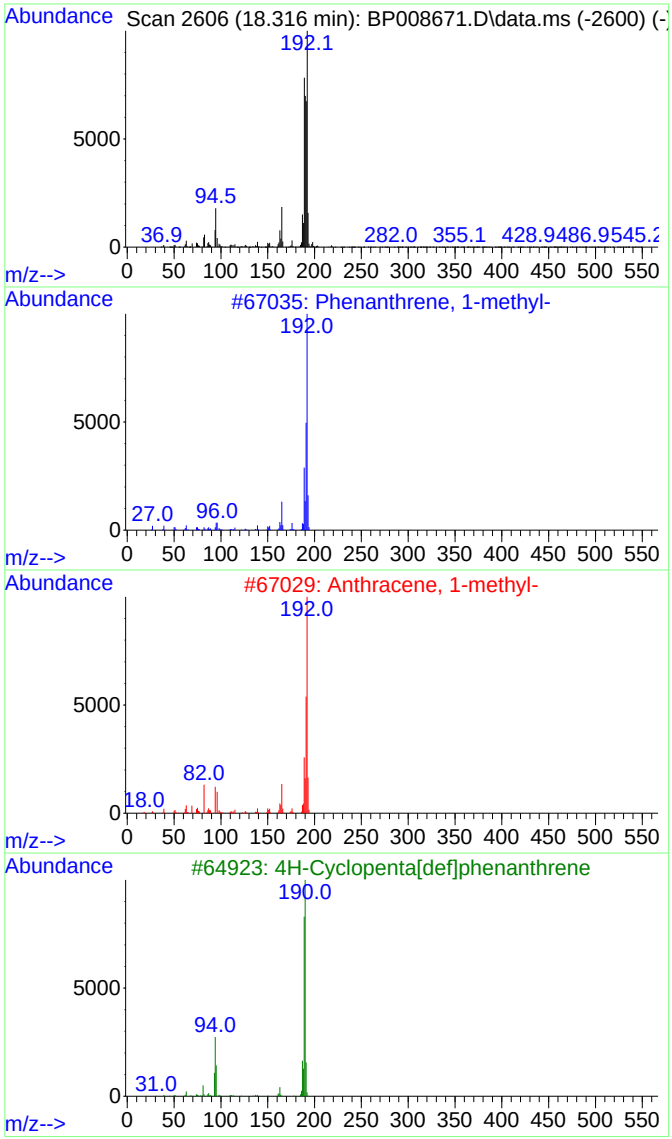
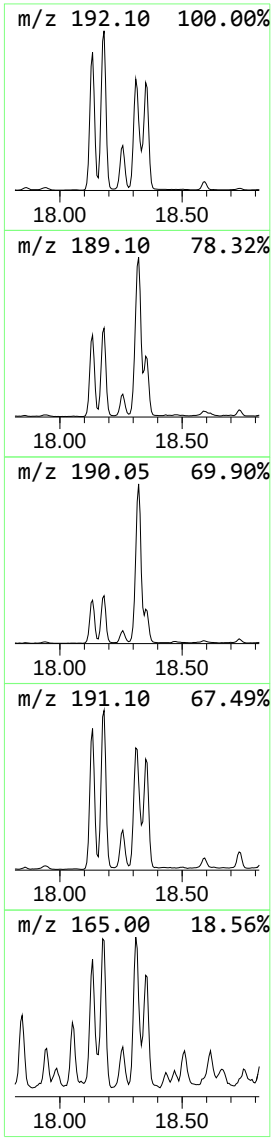
Peak Number 6 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.316	21.63 ng	4623100	Phenanthrene-d10	17.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	50





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Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

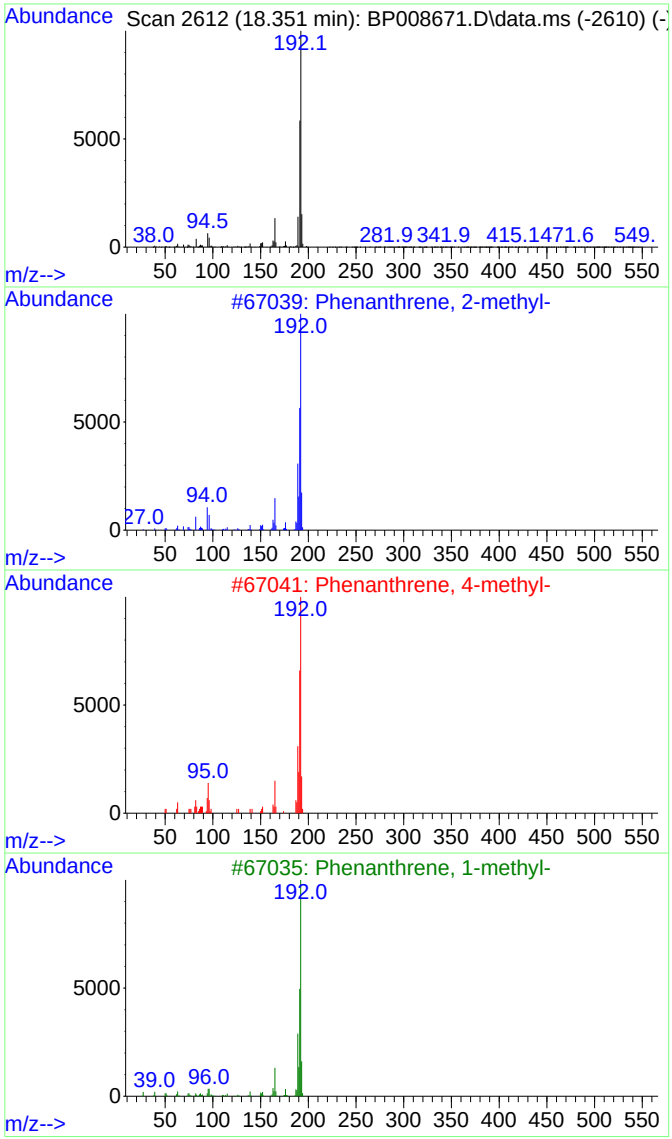
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

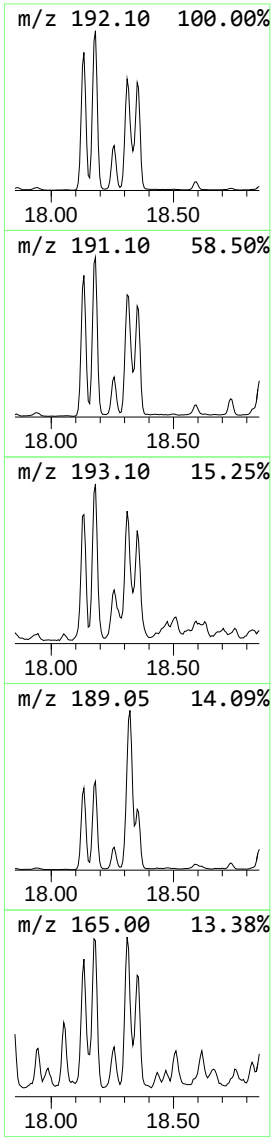
****

Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.351	9.96 ng	2129460	Phenanthrene-d10	17.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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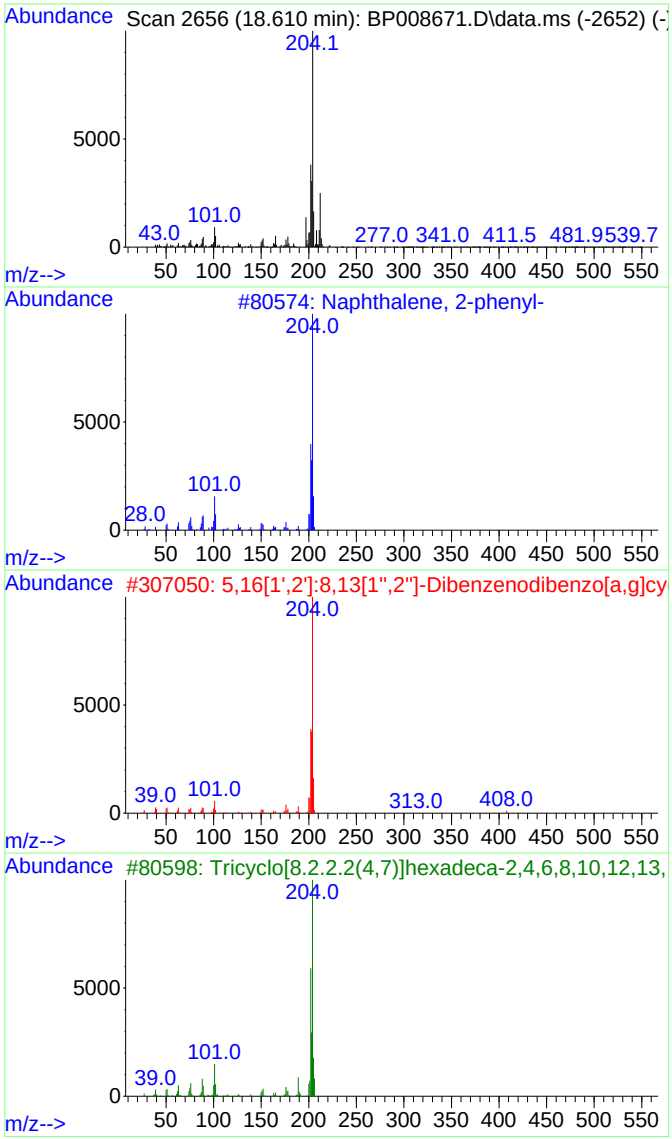
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

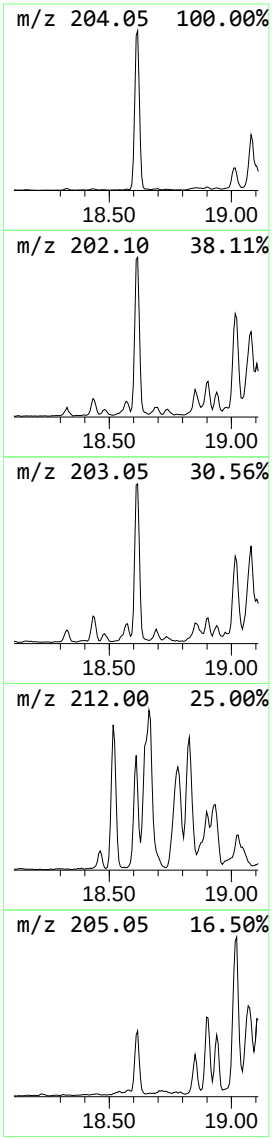
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.610	7.02 ng	1501050	Phenanthrene-d10	17.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	50





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

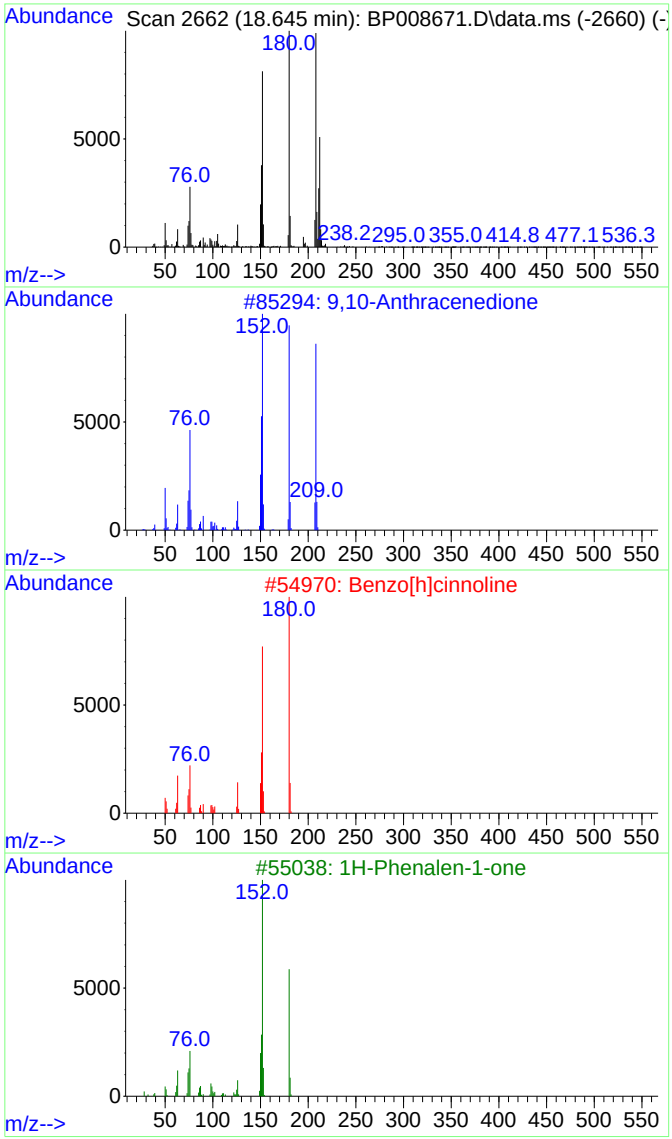
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

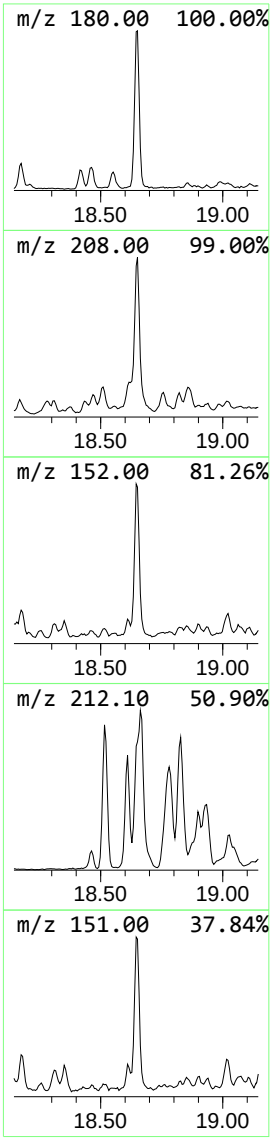
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.645	8.63 ng	1844040	Phenanthrene-d10	17.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49





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Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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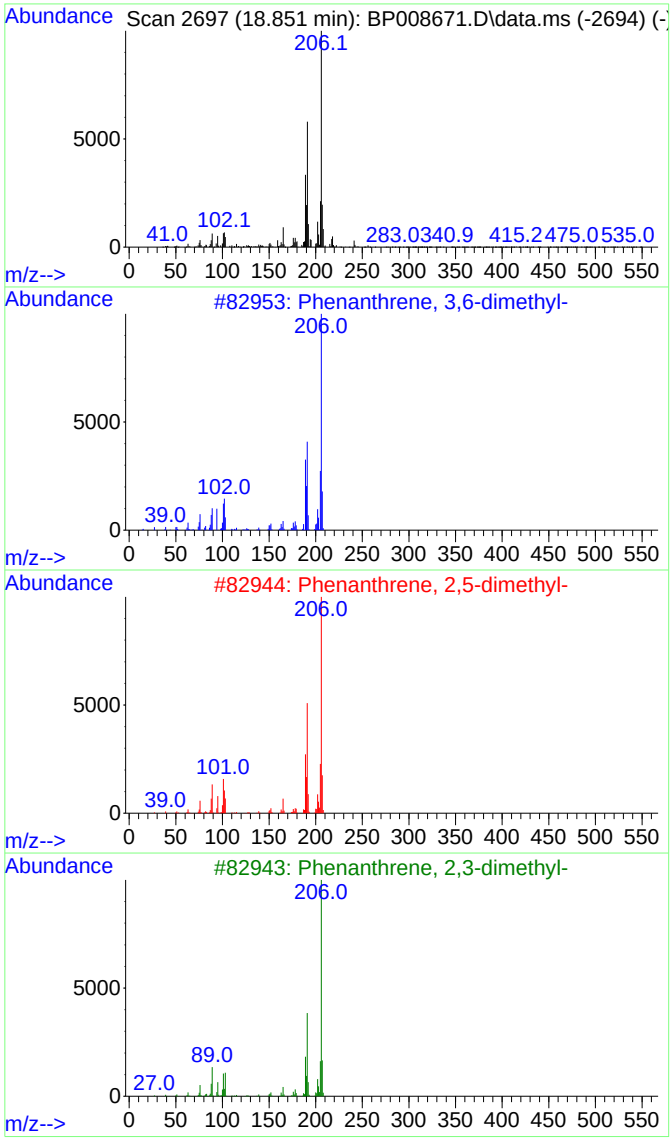
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

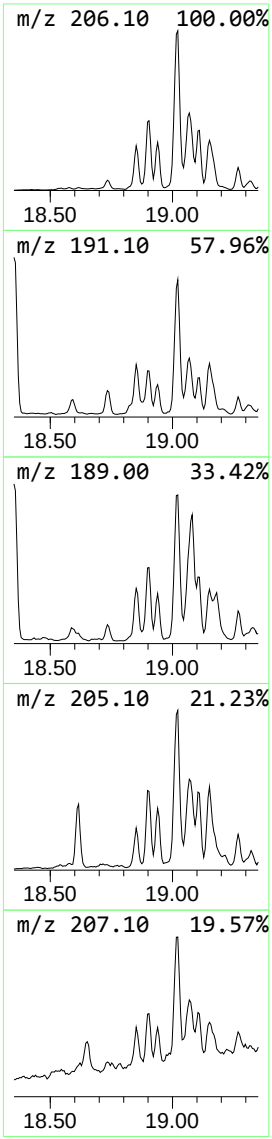
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.851	4.62 ng	986468	Phenanthrene-d10	17.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	86





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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BNA_P
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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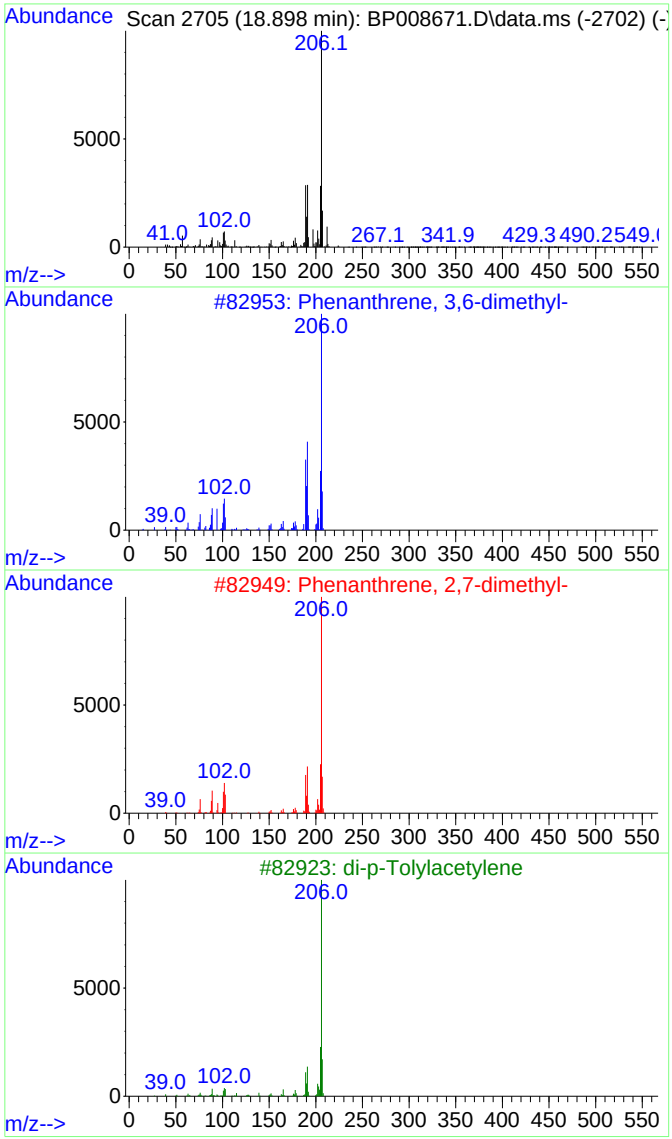
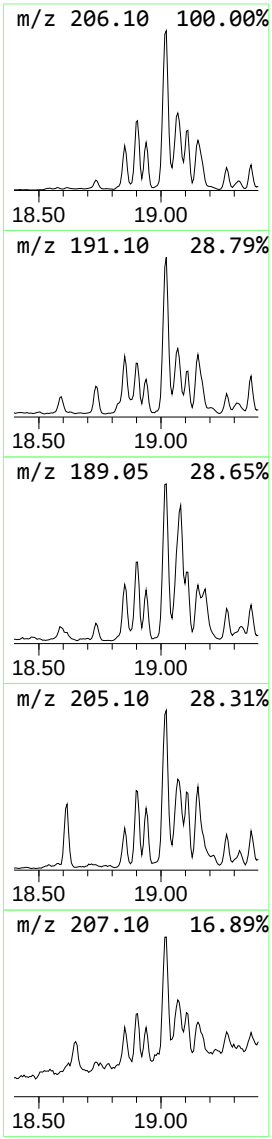
Peak Number 11 Phenanthrene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.898	5.44 ng	1162610	Phenanthrene-d10	17.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	80
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	72





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Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

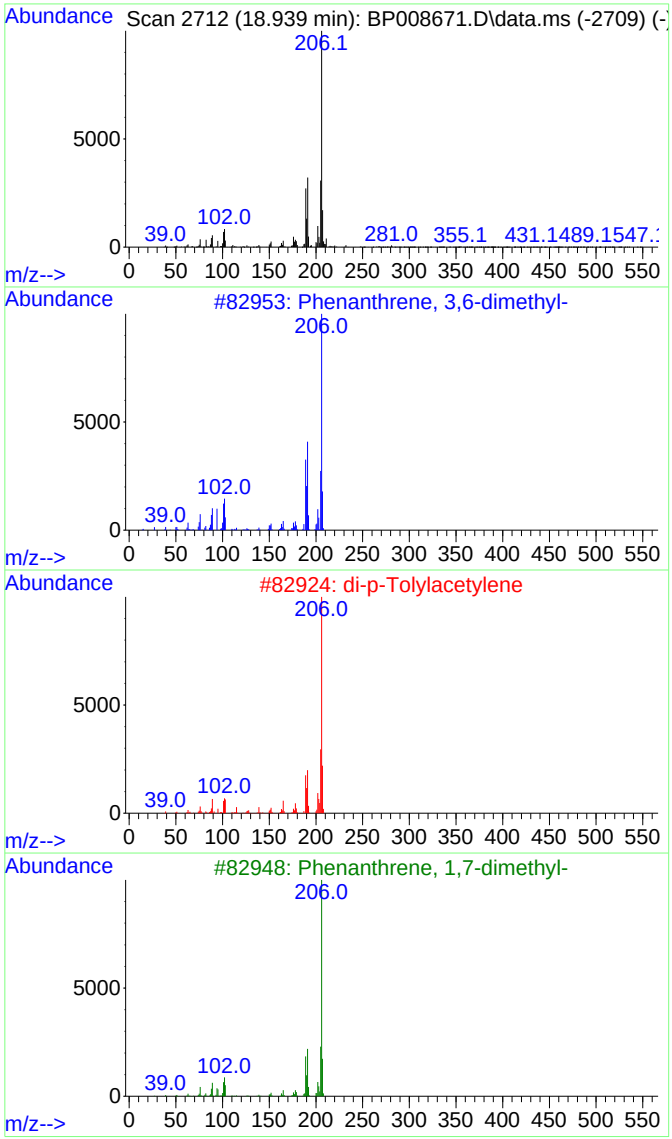
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

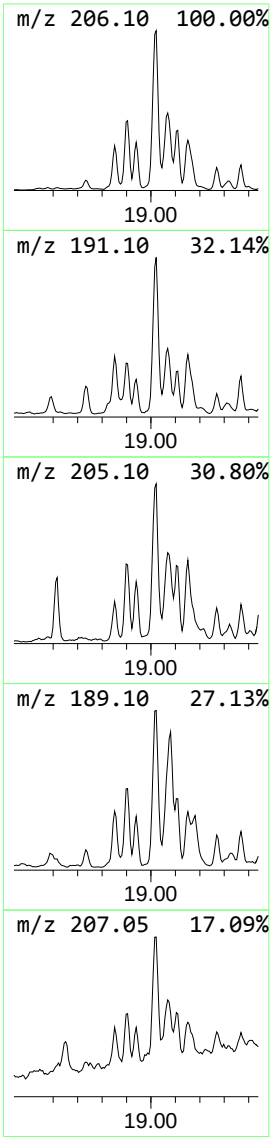
****

Peak Number 12 di-p-Tolylacetylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.939	3.99 ng	852211	Phenanthrene-d10	17.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81





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Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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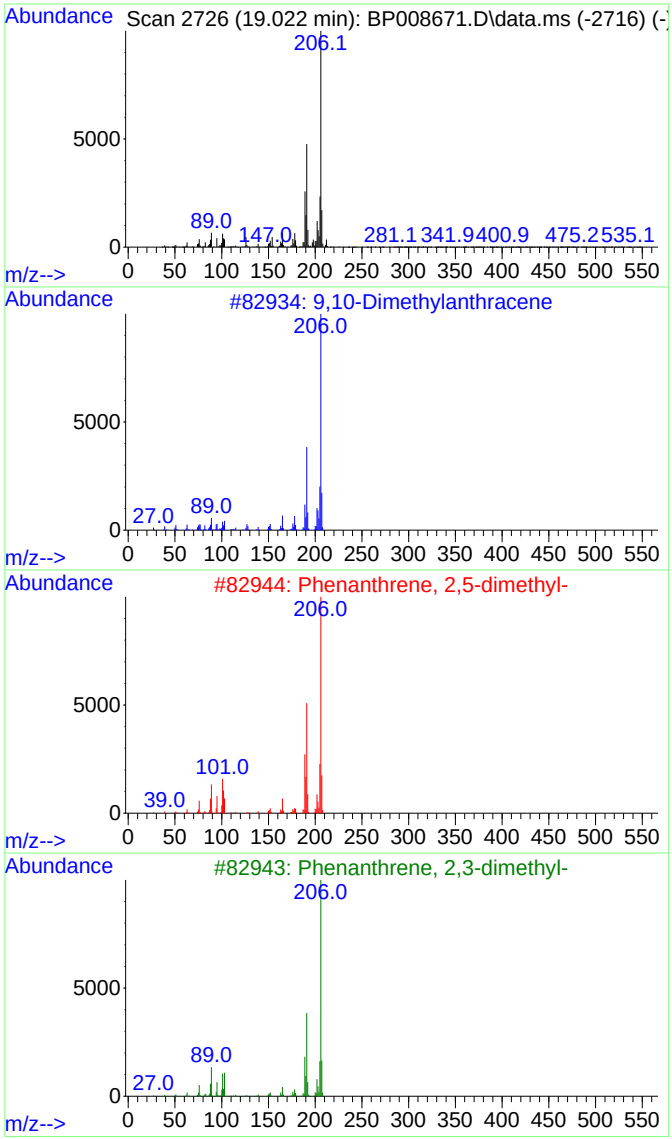
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

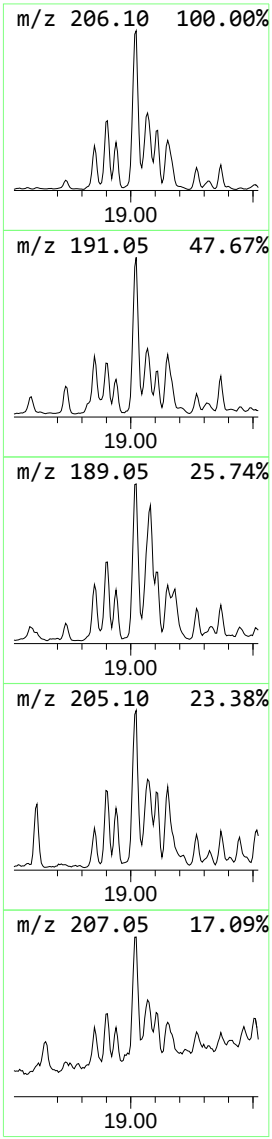
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.022	18.72 ng	4001000	Phenanthrene-d10	17.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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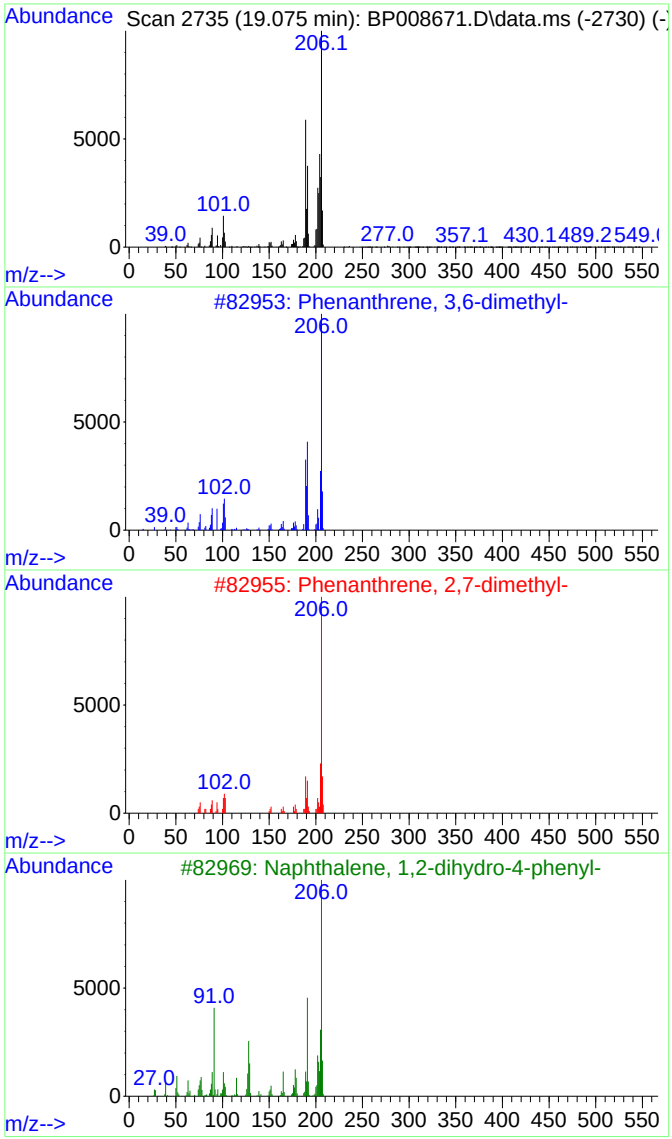
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

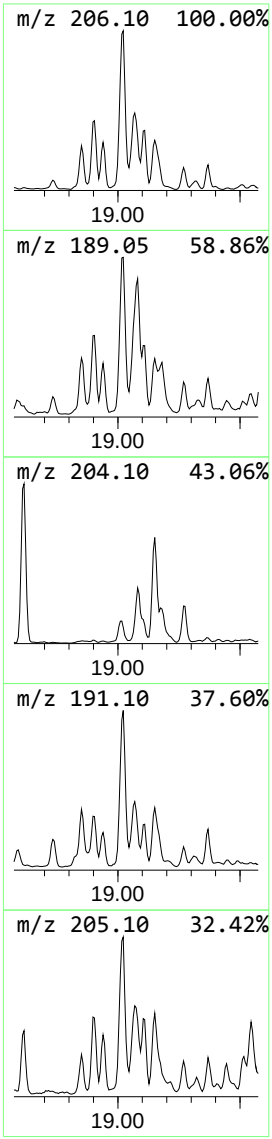
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Naphthalene, 1,2-dihydro-4-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.075	8.45 ng	1807020	Phenanthrene-d10	17.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	62
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	60
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	55
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	53





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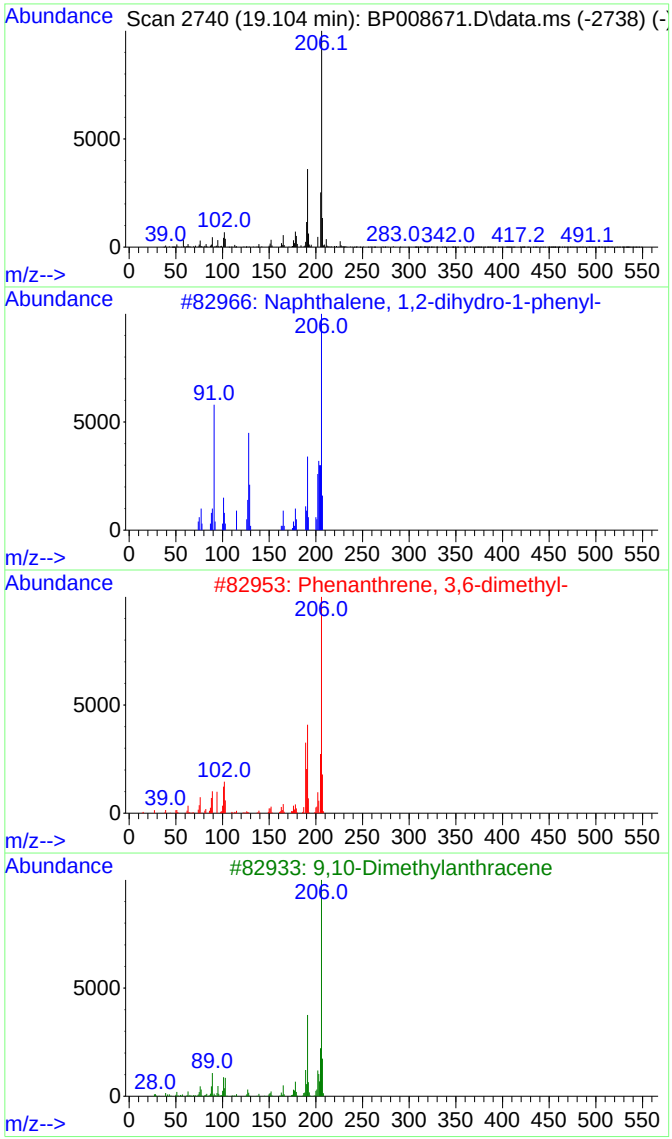
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

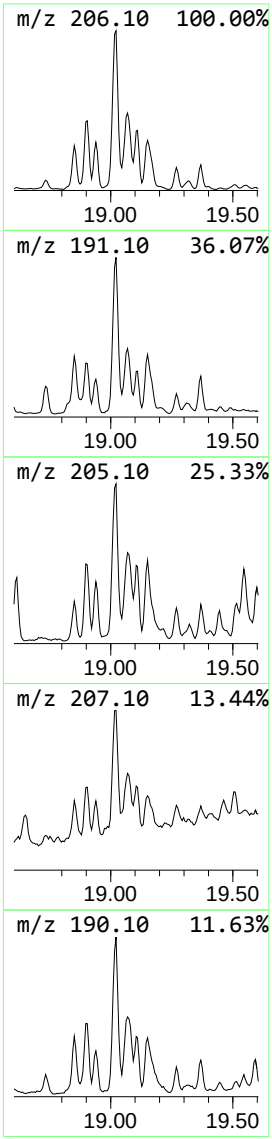
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Naphthalene, 1,2-dihydro-1-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.104	3.84 ng	821115	Phenanthrene-d10	17.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	86
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	83





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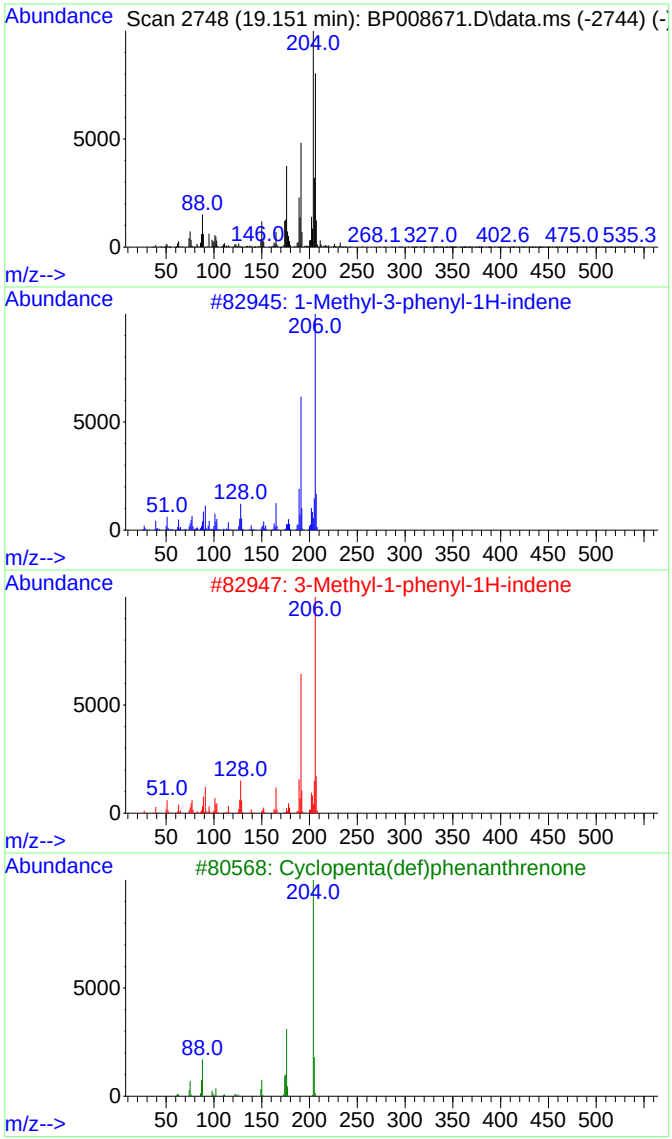
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

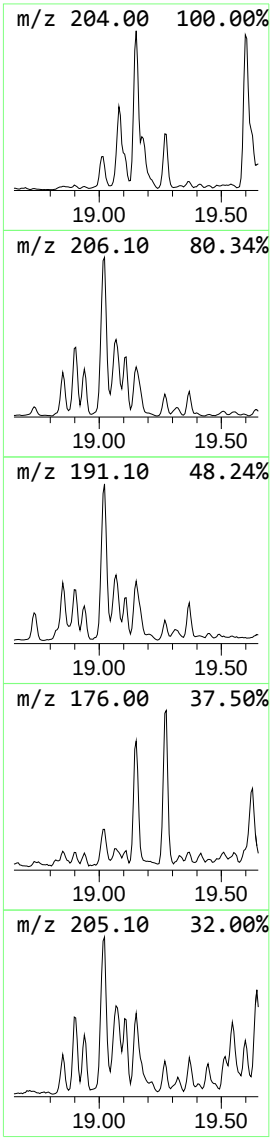
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 1-Methyl-3-phenyl-1H-indene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.151	9.52 ng	2035340	Phenanthrene-d10	17.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	86
2	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	86
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	74
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	70
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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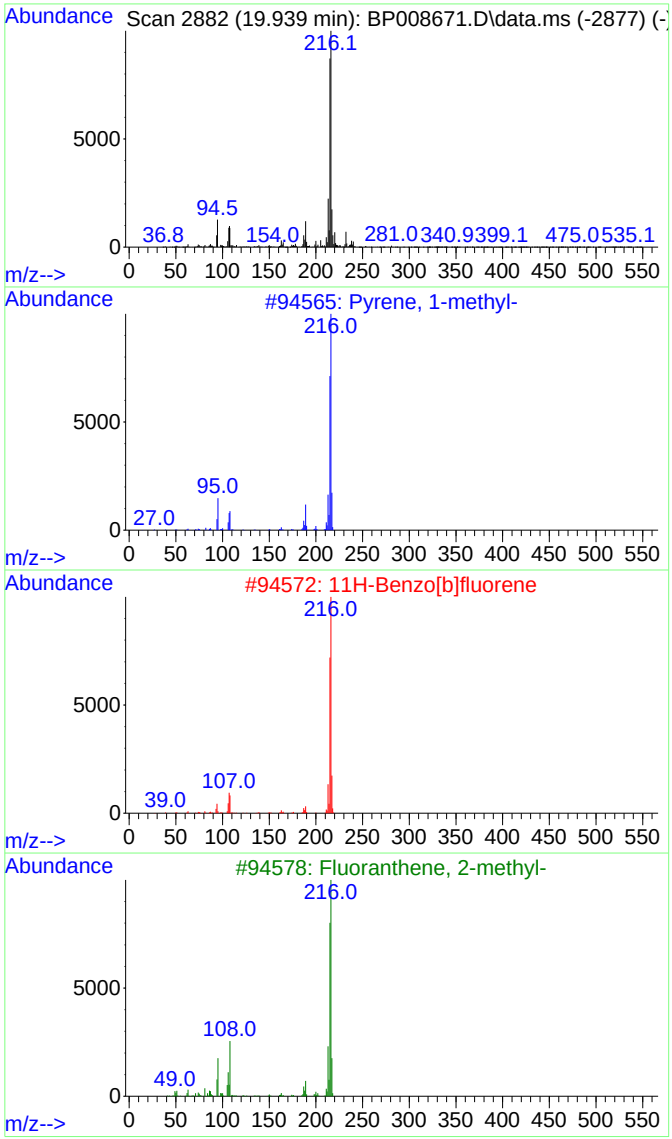
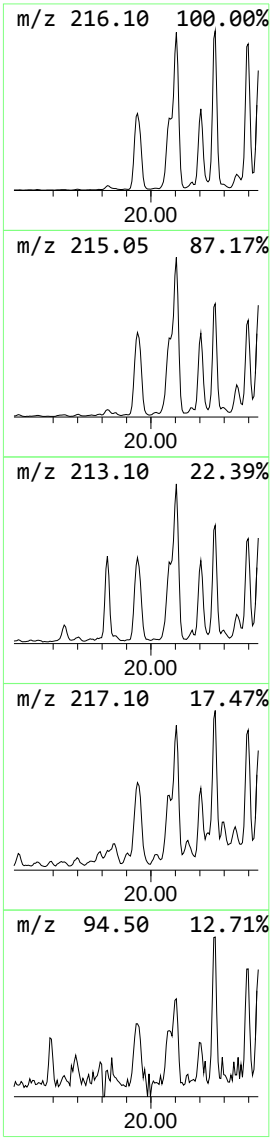
****

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.939	4.35 ng	3124200	Chrysene-d12	21.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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BNA_P
ClientSampleId :
361

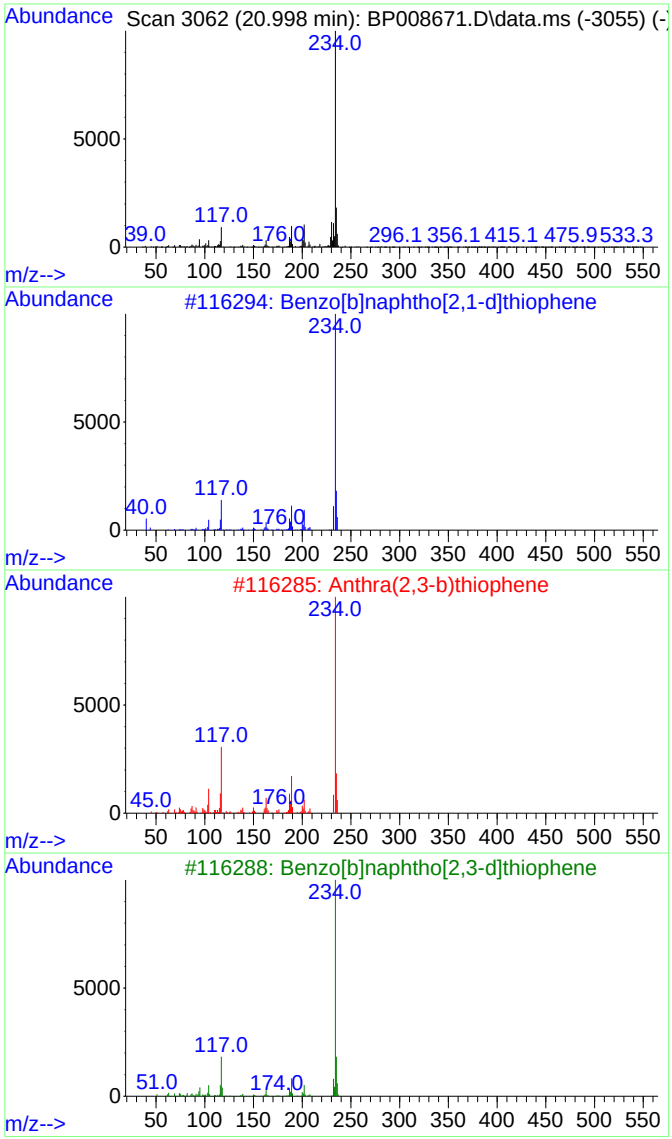
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

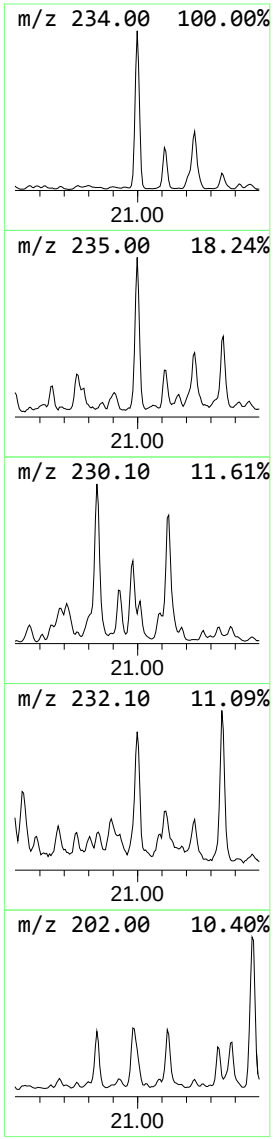
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.998	4.50 ng	3232850	Chrysene-d12	21.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
5	pyrido[1',2':1,2]imidazo[4,5-b]q...	234	C14H10N4	1000401-06-3	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010422\
Data File : BP008671.D
Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
361

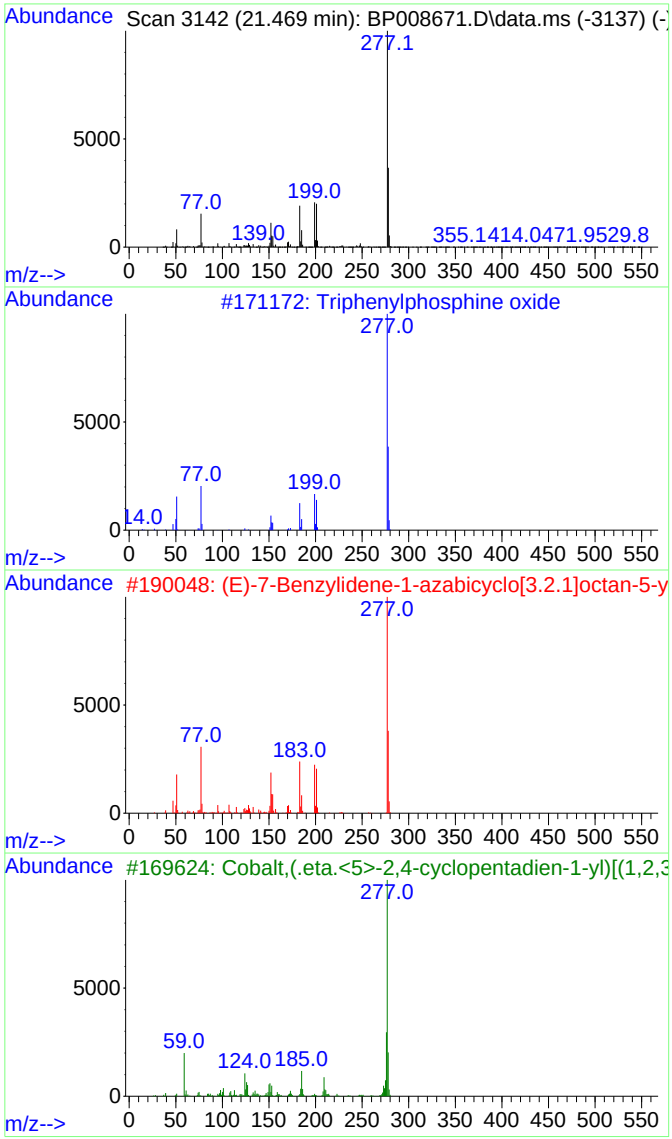
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

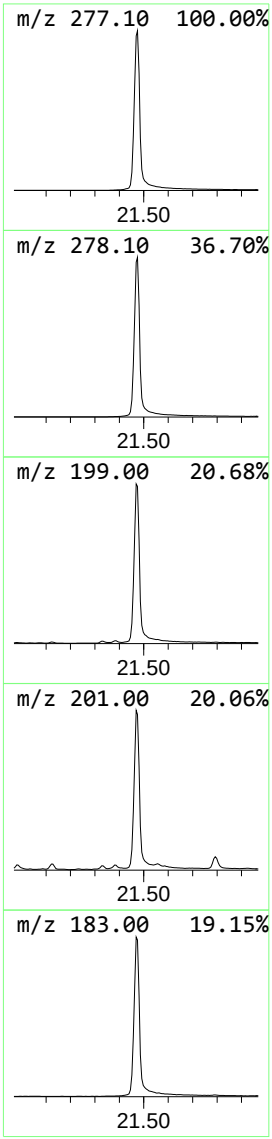
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Triphenylphosphine oxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.469	56.68 ng	40700500	Chrysene-d12	21.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	95
2	(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19NO3S	1000483-83-4	87
3	Cobalt,(.eta.<5>-2,4-cyclopentad...	277	C16H15BCo	036682-12-9	43
4	3H-pyrazol-3-one, 2,4-dihydro-5-...	277	C17H15N3O	1000397-10-0	38
5	Butylaldehyde, 4-benzyloxy-4-[2,...	278	C16H22O4	149180-87-0	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010422\
Data File : BP008671.D
Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
361

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

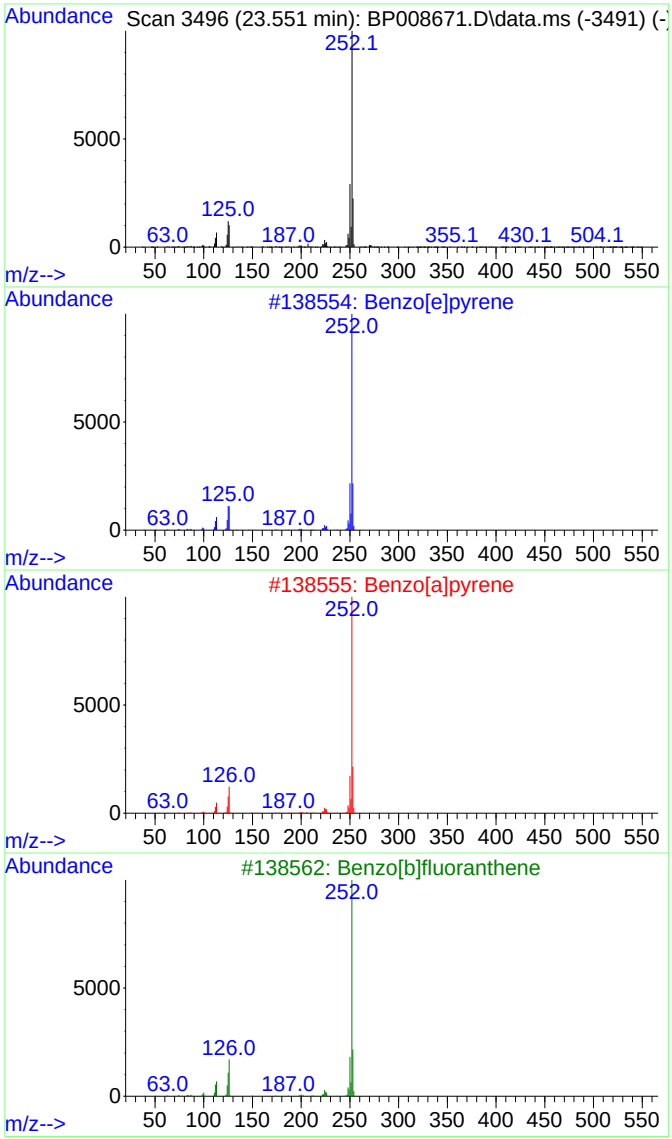
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

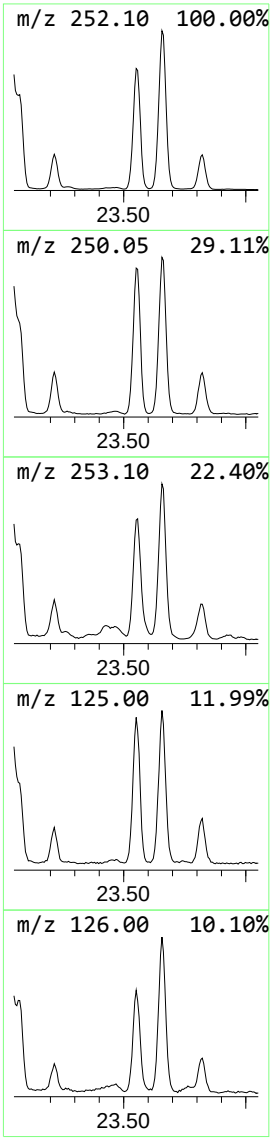
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.551	15.54 ng	4771270	Perylene-d12	23.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010422\
Data File : BP008671.D
Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
361

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Dibenzothiophene	17.081	3.8	ng	817388	4	17.263	4274530	20.0
2-Methyldibenzo...	17.845	4.9	ng	1051160	4	17.263	4274530	20.0
Phenanthrene, 2...	18.134	15.5	ng	3305810	4	17.263	4274530	20.0
Anthracene, 2-m...	18.175	19.5	ng	4167300	4	17.263	4274530	20.0
Phenanthrene, 1...	18.257	4.3	ng	917589	4	17.263	4274530	20.0
Anthracene, 1-m...	18.316	21.6	ng	4623100	4	17.263	4274530	20.0
Phenanthrene, 4...	18.351	10.0	ng	2129460	4	17.263	4274530	20.0
Naphthalene, 2-...	18.610	7.0	ng	1501050	4	17.263	4274530	20.0
9,10-Anthracene...	18.645	8.6	ng	1844040	4	17.263	4274530	20.0
Phenanthrene, 3...	18.851	4.6	ng	986468	4	17.263	4274530	20.0
Phenanthrene, 2...	18.898	5.4	ng	1162610	4	17.263	4274530	20.0
di-p-Tolylacety...	18.939	4.0	ng	852211	4	17.263	4274530	20.0
9,10-Dimethylan...	19.022	18.7	ng	4001000	4	17.263	4274530	20.0
Naphthalene, 1,...	19.075	8.4	ng	1807020	4	17.263	4274530	20.0
Naphthalene, 1,...	19.104	3.8	ng	821115	4	17.263	4274530	20.0
1-Methyl-3-phen...	19.151	9.5	ng	2035340	4	17.263	4274530	20.0
Pyrene, 1-methyl-	19.939	4.3	ng	3124200	5	21.345	14362200	20.0
Benzo[b]naphtho...	20.998	4.5	ng	3232850	5	21.345	14362200	20.0
Triphenylphosph...	21.469	56.7	ng	40700500	5	21.345	14362200	20.0
Benzo[e]pyrene	23.551	15.5	ng	4771270	6	23.769	6138990	20.0