LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008356.D
Acq On : 10 Dec 2021 23:56
Operator : CG/JU
Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

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-BP112521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008356.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.017	3	5	15	rVB	182364	207477	3.60%	0.238%
2	5.358	397	403	408	rBV	1152753	1741717	30.25%	1.996%
3	5.405	408	411	421	rVB	69914	139148	2.42%	0.159%
4	6.952	661	674	691	rBV	946043	1727419	30.00%	1.980%
5	7.758	803	811	820	rBV	268645	422680	7.34%	0.484%
6	8.922	1002	1009	1024	rVB	592684	1022134	17.75%	1.171%
7	10.552	1278	1286	1291	rBV	295203	503097	8.74%	0.577%
8	10.605	1291	1295	1303	rVB	143068	248179	4.31%	0.284%
9	12.222	1562	1570	1577	rBV	121305	198634	3.45%	0.228%
10	12.446	1602	1608	1616	rVB	82553	141025	2.45%	0.162%
11	13.028	1700	1707	1720	rVB	1301714	1877113	32.60%	2.151%
12	13.575	1792	1800	1808	rBV4	48768	134370	2.33%	0.154%
13	13.734	1816	1827	1832	rBV	92098	178663	3.10%	0.205%
14	14.134	1888	1895	1902	rVB2	118600	188327	3.27%	0.216%
15	14.410	1930	1942	1948	rBV	411110	634334	11.02%	0.727%
16	14.475	1948	1953	1961	rVB	290582	436850	7.59%	0.501%
17	14.816	2005	2011	2016	rVV	299888	454193	7.89%	0.520%
18	15.463	2115	2121	2133	rVB	392566	612370	10.63%	0.702%
19	15.763	2167	2172	2181	rVV	186230	295548	5.13%	0.339%
20	15.916	2192	2198	2206	rVV	1160726	1878281	32.62%	2.152%
21	16.457	2282	2290	2291	rBV2	93663	144137	2.50%	0.165%
22	16.481	2291	2294	2298	rVV2	120266	186915	3.25%	0.214%
23	16.710	2329	2333	2336	rVV2	114141	155305	2.70%	0.178%
24	16.834	2349	2354	2361	rVB	269995	401348	6.97%	0.460%
25	16.910	2361	2367	2374	rBV4	149521	370096	6.43%	0.424%
26	16.992	2376	2381	2391	rVB	174559	310172	5.39%	0.355%
27	17.175	2406	2412	2415	rBV	492289	732458	12.72%	0.839%
28	17.222	2415	2420	2425	rVV	3241562	4424814	76.84%	5.071%
29	17.310	2427	2435	2441	rVV	963873	1445503	25.10%	1.656%
30	17.375	2441	2446	2451	rVV3	121985	215541	3.74%	0.247%
31	17.586	2474	2482	2486	rBV2	397518	697313	12.11%	0.799%
32	17.698	2497	2501	2508	rVB4	87577	131448	2.28%	0.151%
33	17.763	2508	2512	2520	rVB6	111384	215017	3.73%	0.246%
34	17.857	2520	2528	2532	rBV5	111215	256799	4.46%	0.294%
35	18.051	2553	2561	2564	rVV	597673	925407	16.07%	1.060%
36	18.098	2564	2569	2575	rVV	991731	1482395	25.74%	1.699%

LSC Area Percent Report

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Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

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-BP112521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.175	2577	2582	2587	rVV	475029	622391	10.81%	0.713%
38	18.239	2587	2593	2597	rVV2	750055	1430779	24.85%	1.640%
39	18.275	2597	2599	2606	rVV	426811	503932	8.75%	0.577%
40	18.351	2607	2612	2616	rVV4	134517	240054	4.17%	0.275%
41	18.392	2616	2619	2623	rVV	129329	162807	2.83%	0.187%
42	18.486	2632	2635	2639	rVV3	89290	171655	2.98%	0.197%
43	18.533	2639	2643	2648	rVV	398583	571307	9.92%	0.655%
44	18.586	2648	2652	2657	rVV	416101	561855	9.76%	0.644%
45	18.775	2676	2684	2688	rBV3	197654	346820	6.02%	0.397%
46	18.822	2688	2692	2695	rVV2	172435	231037	4.01%	0.265%
47	18.863	2695	2699	2702	rVB2	175057	215276	3.74%	0.247%
48	18.939	2707	2712	2716	rVV2	372079	658122	11.43%	0.754%
49	19.004	2719	2723	2726	rVV2	277876	521310	9.05%	0.597%
50	19.033	2726	2728	2731	rVV	195550	218120	3.79%	0.250%
51	19.081	2731	2736	2743	rVB2	362903	699535	12.15%	0.802%
52	19.204	2750	2757	2763	rBV	3954615	5438737	94.45%	6.233%
53	19.298	2769	2773	2778	rBV2	166018	231217	4.02%	0.265%
54	19.404	2785	2791	2793	rBV2	154136	272106	4.73%	0.312%
55	19.522	2806	2811	2813	rVV2	1029076	1437196	24.96%	1.647%
56	19.557	2813	2817	2824	rVV	3063146	4381831	76.09%	5.021%
57	19.622	2824	2828	2835	rVB2	405978	651159	11.31%	0.746%
58	19.751	2842	2850	2854	rBV2	2404805	3313188	57.54%	3.797%
59	19.792	2854	2857	2861	rVB	255890	365411	6.35%	0.419%
60	19.875	2864	2871	2877	rBV3	422827	1099709	19.10%	1.260%
61	20.004	2888	2893	2895	rBV4	388677	665034	11.55%	0.762%
62	20.039	2895	2899	2904	rVB	805336	1137423	19.75%	1.303%
63	20.092	2904	2908	2911	rBV4	75450	141487	2.46%	0.162%
64	20.133	2911	2915	2919	rBV	448944	564926	9.81%	0.647%
65	20.192	2919	2925	2929	rVV2	686173	1167787	20.28%	1.338%
66	20.228	2929	2931	2935	rVB	152064	175471	3.05%	0.201%
67	20.269	2935	2938	2943	rVB	185708	245510	4.26%	0.281%
68	20.328	2944	2948	2952	rBV	325034	458758	7.97%	0.526%
69	20.375	2952	2956	2960	rVB2	345262	462139	8.03%	0.530%
70	20.469	2968	2972	2973	rBV3	97954	139873	2.43%	0.160%
71	20.580	2987	2991	2993	rBV2	115294	173831	3.02%	0.199%
72	20.645	3000	3002	3007	rVB3	209140	263167	4.57%	0.302%
73	20.733	3014	3017	3020	rBV4	116503	148095	2.57%	0.170%
74	20.775	3020	3024	3030	rVV	732286	968905	16.83%	1.110%
75	20.933	3045	3051	3054	rBV3	506796	879271	15.27%	1.008%
76	20.969	3054	3057	3060	rVV	666883	926042	16.08%	1.061%

LSC Area Percent Report

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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

Integration Parameters: rteint.p
Integrator: RTE
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.004	3060	3063	3070	rVV3	531476	1235774	21.46%	1.416%
78	21.069	3071	3074	3079	rVB	697347	895445	15.55%	1.026%
79	21.169	3085	3091	3093	rBV3	142029	315606	5.48%	0.362%
80	21.275	3101	3109	3114	rBV3	3216442	5758489	100.00%	6.599%
81	21.322	3114	3117	3127	rVB	2397765	3142081	54.56%	3.601%
82	21.439	3134	3137	3140	rBV	211153	257260	4.47%	0.295%
83	21.504	3145	3148	3151	rBV4	147701	238707	4.15%	0.274%
84	21.616	3162	3167	3171	rVB2	394023	607171	10.54%	0.696%
85	21.798	3194	3198	3201	rBV	302371	407907	7.08%	0.467%
86	21.857	3204	3208	3212	rVV	774645	1158578	20.12%	1.328%
87	21.910	3214	3217	3223	rVB	364984	550145	9.55%	0.630%
88	22.022	3232	3236	3239	rVB3	144997	208785	3.63%	0.239%
89	22.063	3240	3243	3247	rBV	270430	389762	6.77%	0.447%
90	22.169	3257	3261	3265	rVB2	280623	412682	7.17%	0.473%
91	22.374	3292	3296	3301	rBV4	264461	460480	8.00%	0.528%
92	22.674	3342	3347	3353	rBV2	227147	467053	8.11%	0.535%
93	22.951	3387	3394	3398	rBV	1418738	3472028	60.29%	3.979%
94	23.127	3419	3424	3429	rBV	351847	601558	10.45%	0.689%
95	23.457	3475	3480	3491	rVB	778162	1631446	28.33%	1.870%
96	23.563	3492	3498	3507	rVB	1339567	2499836	43.41%	2.865%
97	23.663	3510	3515	3520	rVV2	520850	1055858	18.34%	1.210%
98	23.721	3521	3525	3534	rVB3	327117	776555	13.49%	0.890%
99	26.151	3930	3938	3950	rVB	560185	1712391	29.74%	1.962%
100	26.910	4060	4067	4080	rVB2	309583	1008922	17.52%	1.156%

Sum of corrected areas: 87264019

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008356.D
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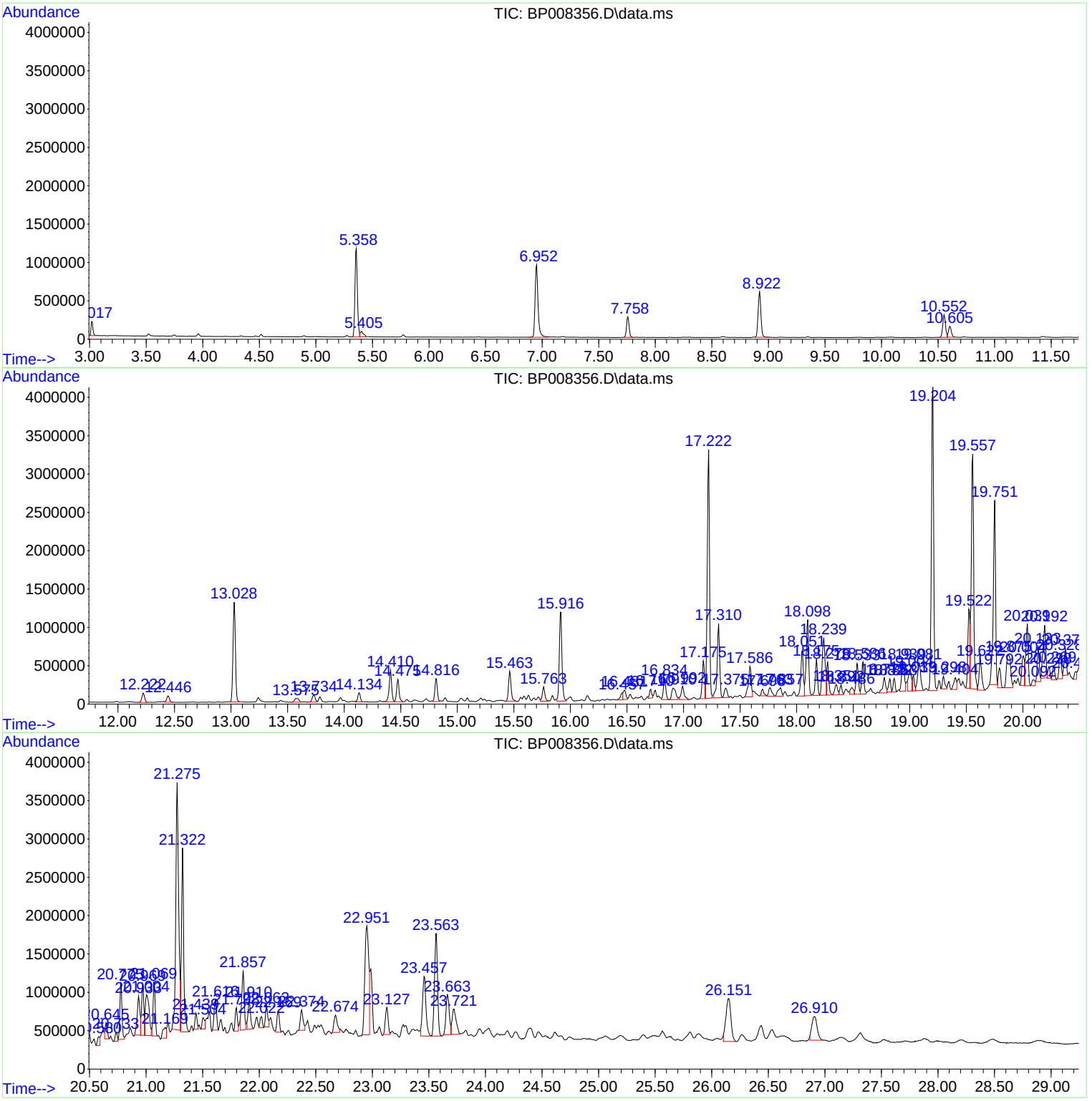
Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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\BP121021\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

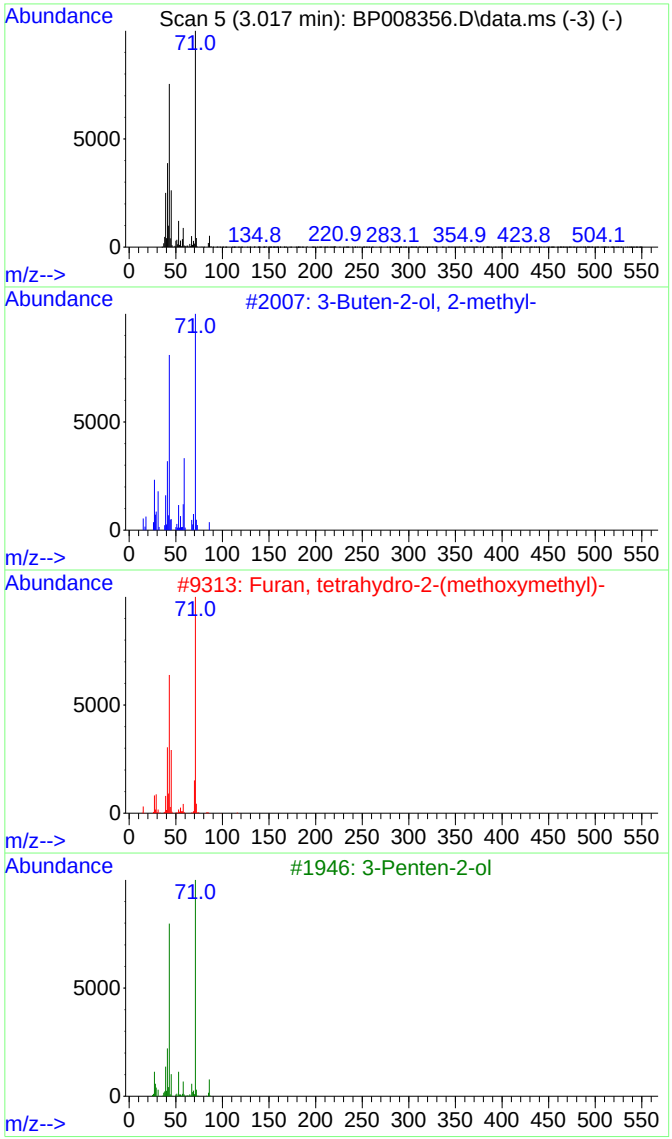
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

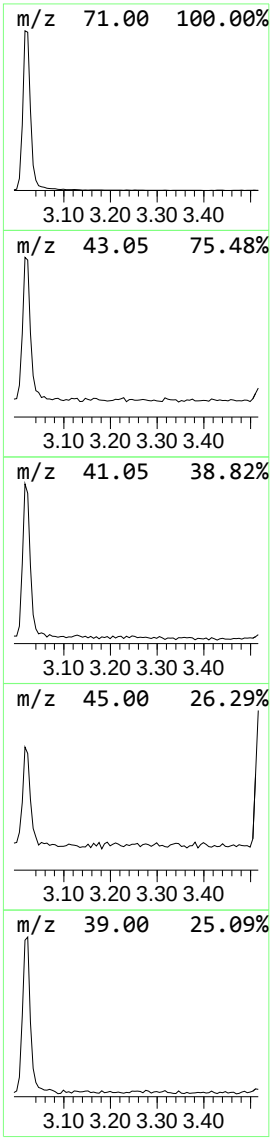
****

Peak Number 1 3-Buten-2-ol, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.017	9.82 ng	207477	1,4-Dichlorobenzene-d4	7.758

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	72
2	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	56
3	3-Penten-2-ol	86	C5H10O	001569-50-2	50
4	4-Iodobutanal	198	C4H7IO	1000411-49-8	47
5	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008356.D
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Instrument :
BNA_P
ClientSampleId :
P3-COMP

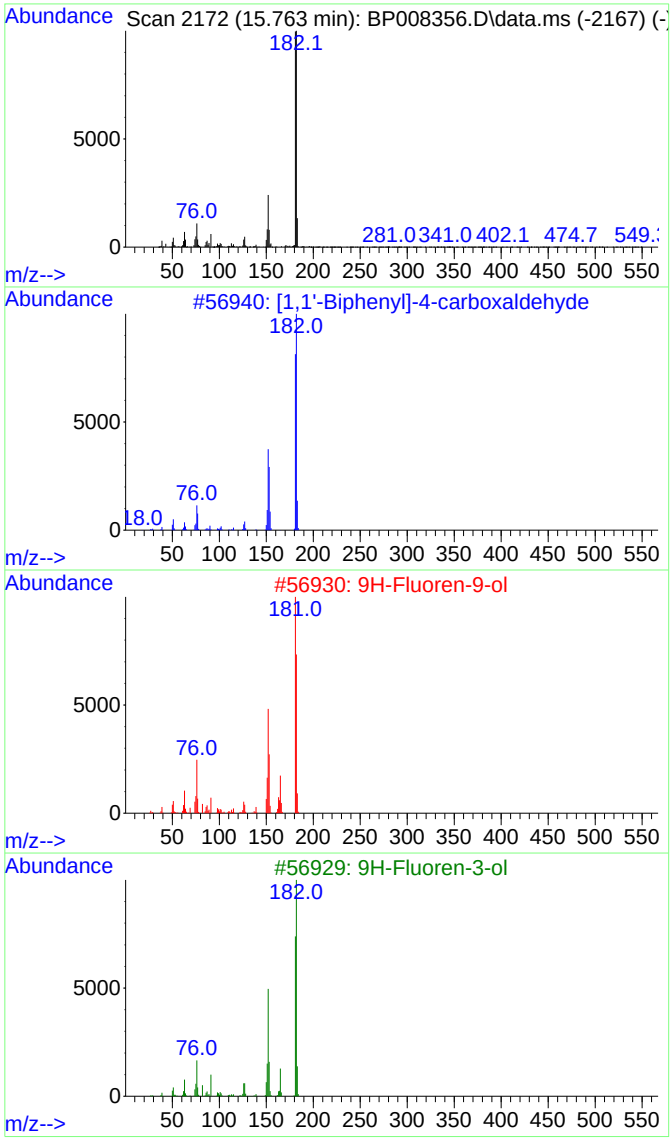
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

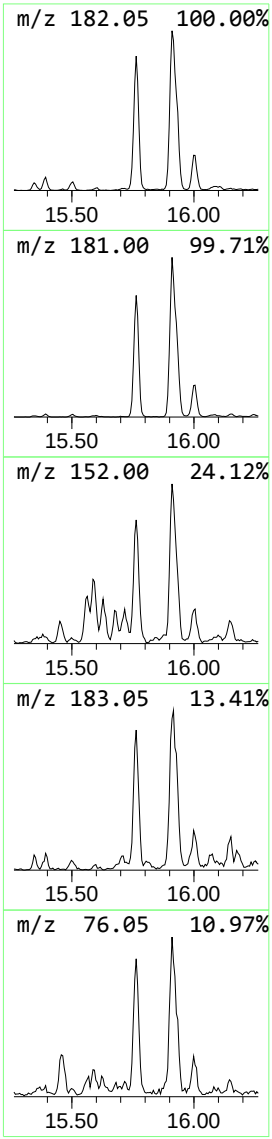
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.763	9.32 ng	295548	Acenaphthene-d10	14.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	81
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72





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BNA_P
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
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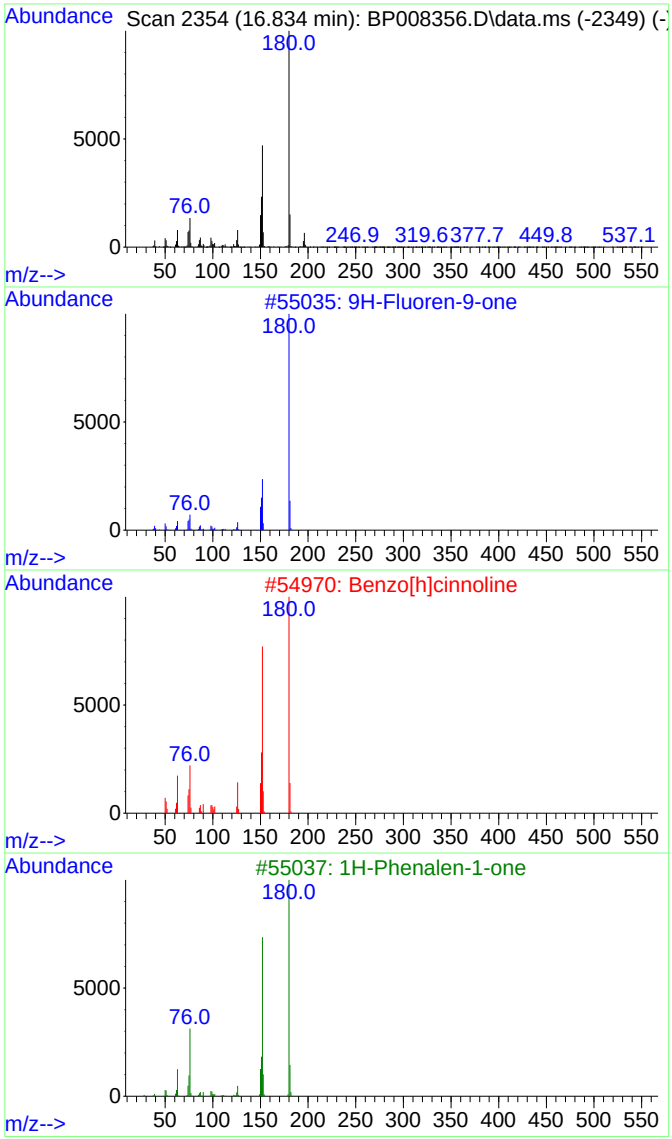
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

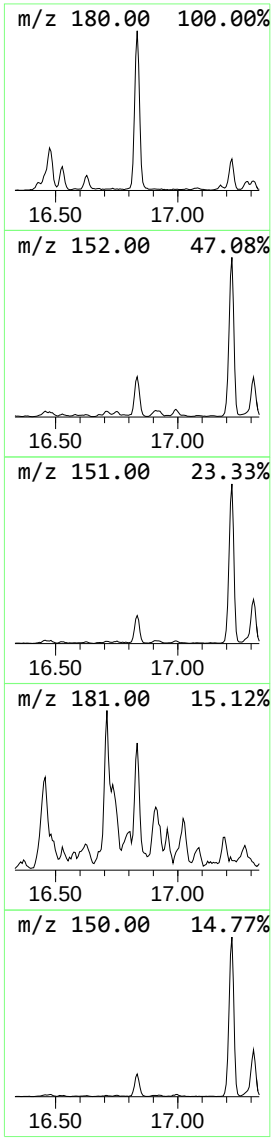
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.834	10.96 ng	401348	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	52
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50





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Sample : M4966-22
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

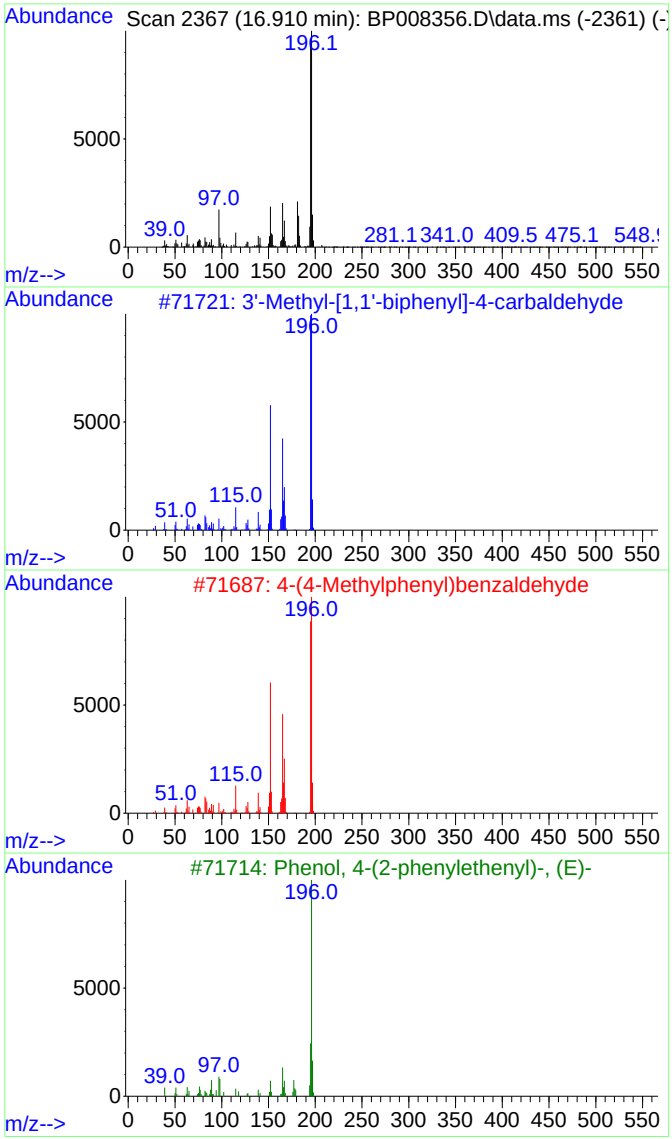
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

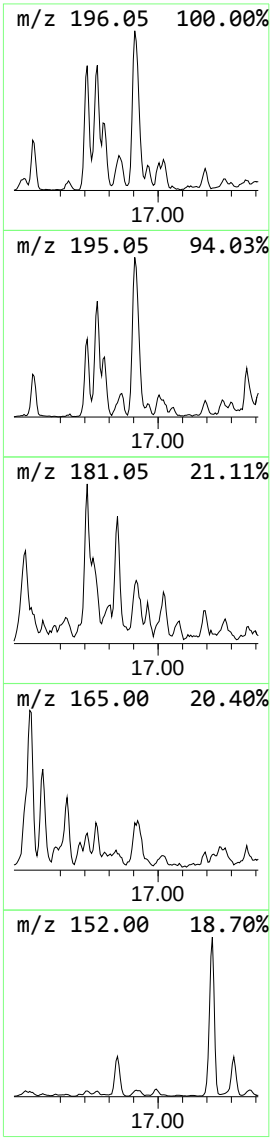
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.910	10.11 ng	370096	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	90
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	90
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008356.D
Acq On : 10 Dec 2021 23:56
Operator : CG/JU
Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

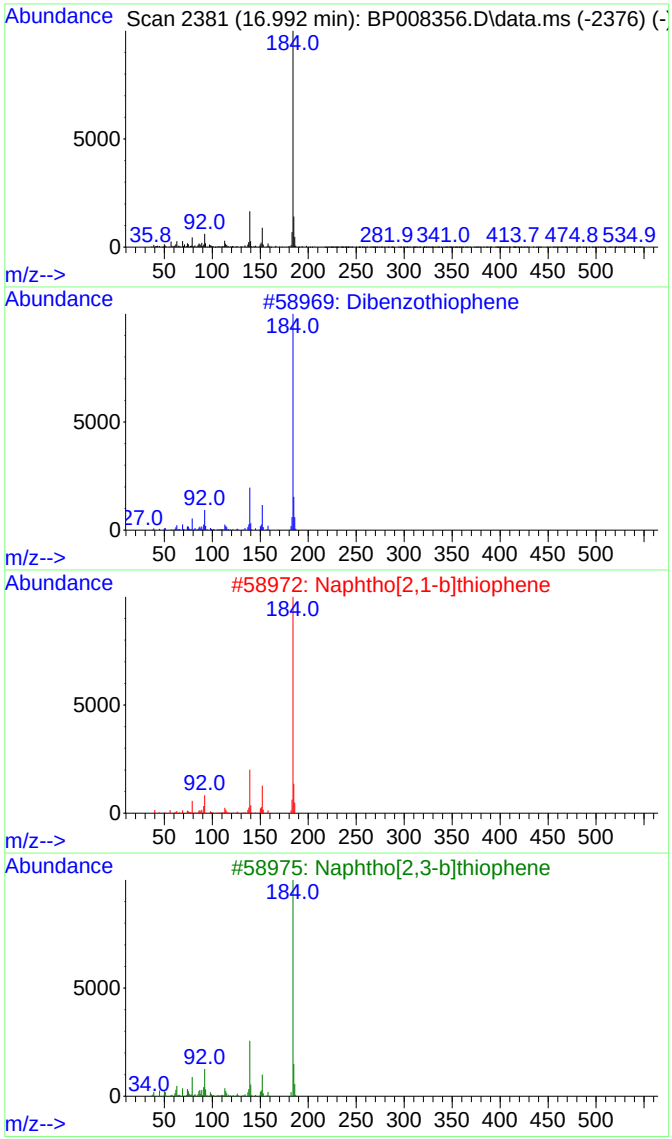
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

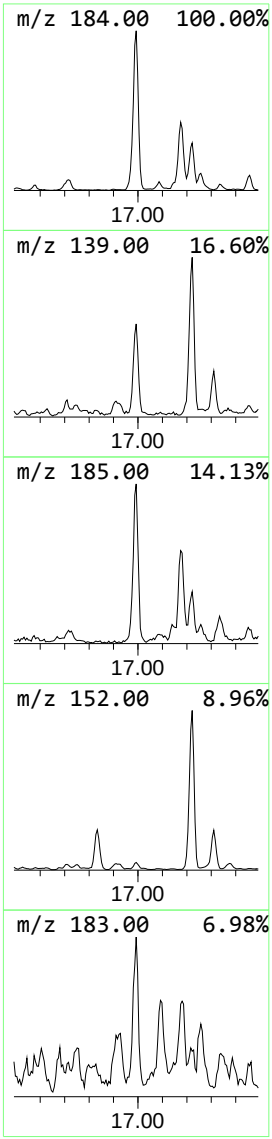
****

Peak Number 5 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.992	8.47 ng	310172	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90





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Acq On : 10 Dec 2021 23:56
Operator : CG/JU
Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

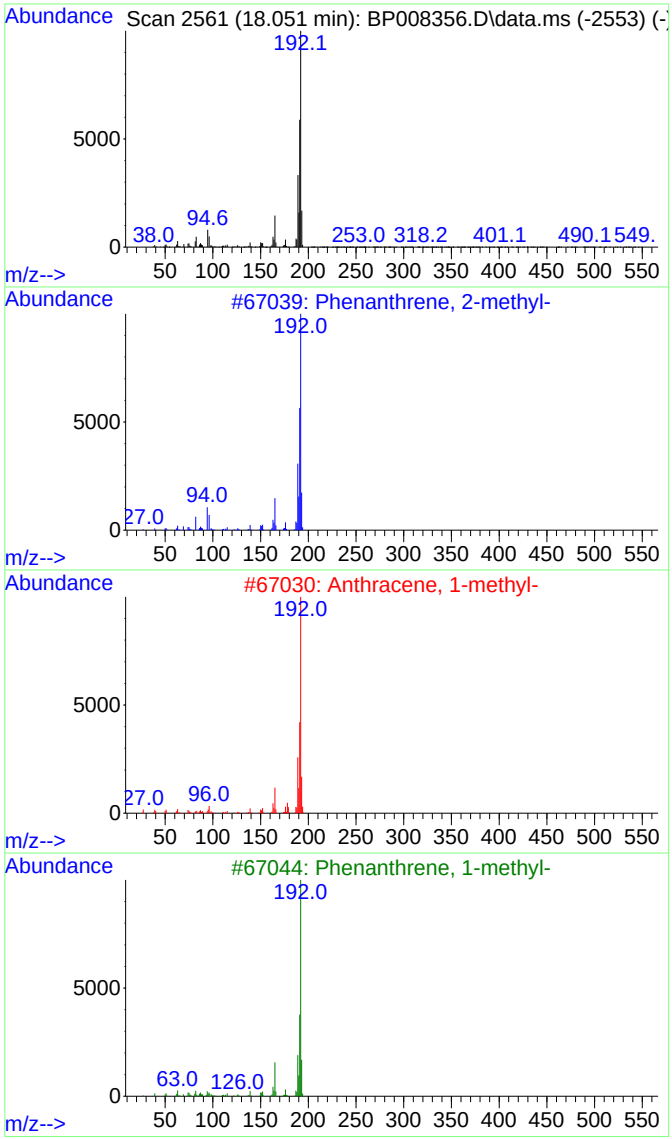
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

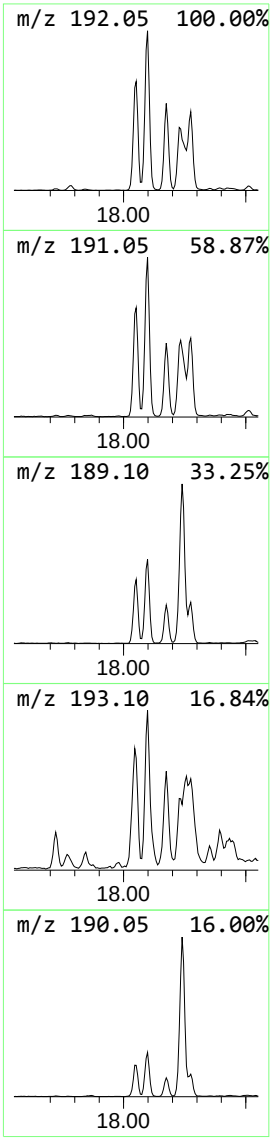
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.051	25.27 ng	925407	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Acq On : 10 Dec 2021 23:56
Operator : CG/JU
Sample : M4966-22
Misc :
ALS Vial : 15 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

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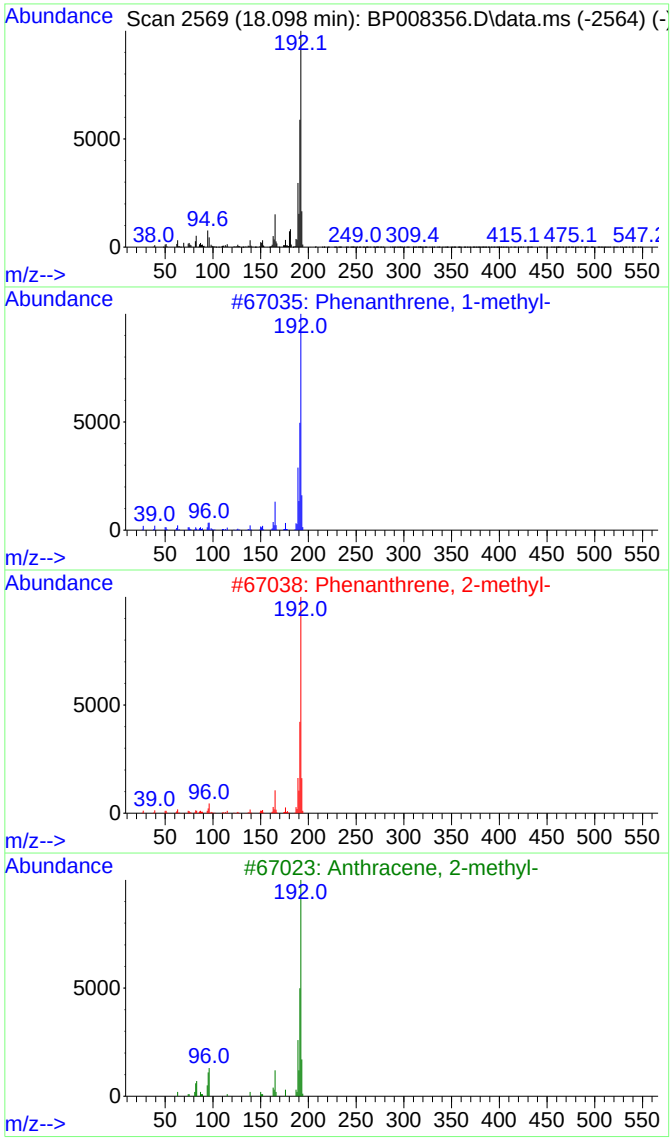
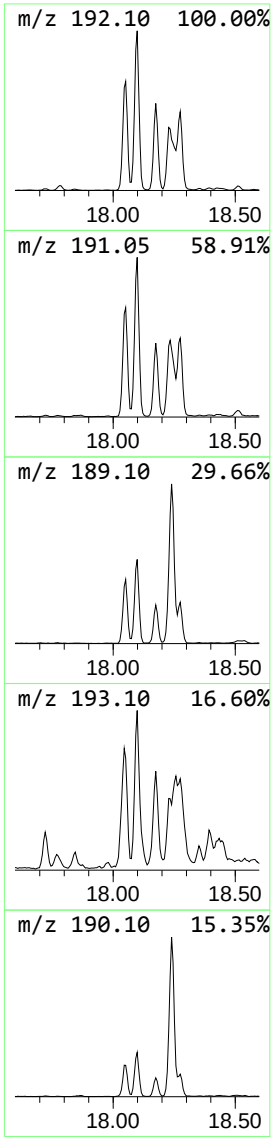
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.098	40.48 ng	1482400	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Acq On : 10 Dec 2021 23:56
Operator : CG/JU
Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

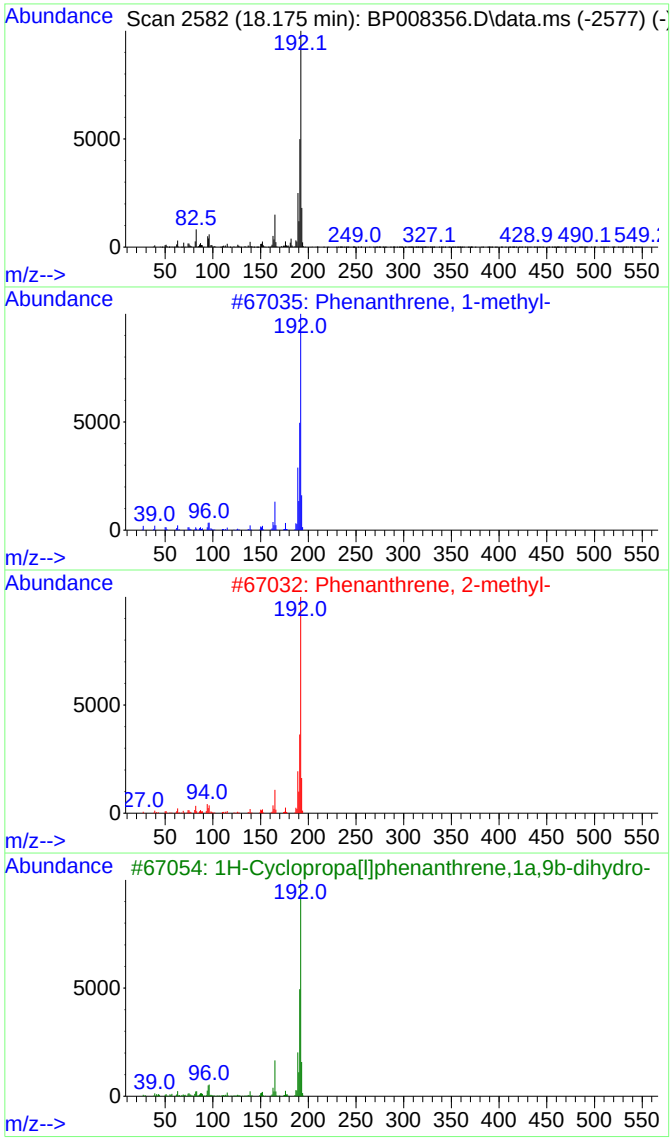
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

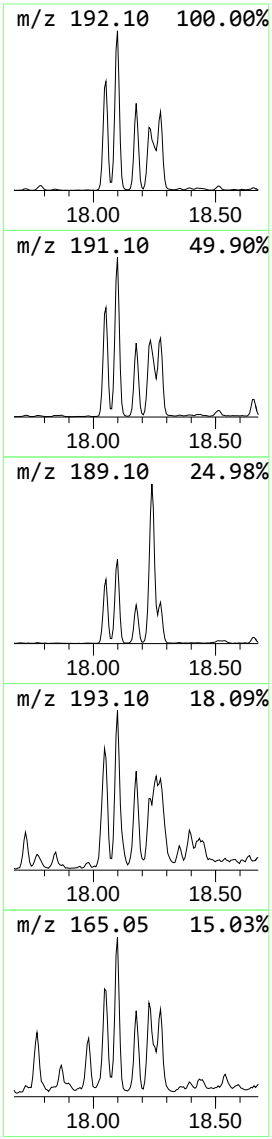
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.175	16.99 ng	622391	Phenanthrene-d10	17.175

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





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Data File : BP008356.D
Acq On : 10 Dec 2021 23:56
Operator : CG/JU
Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

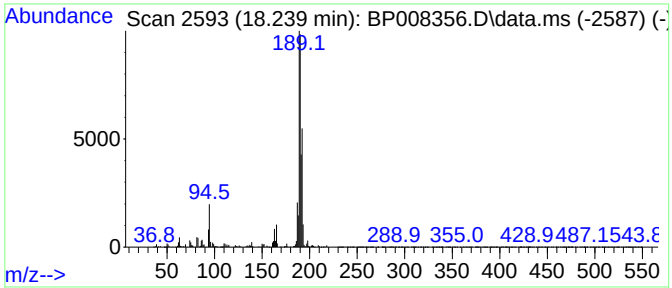
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

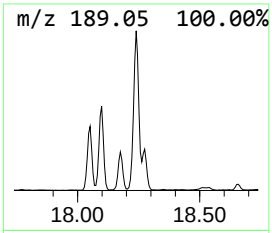
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

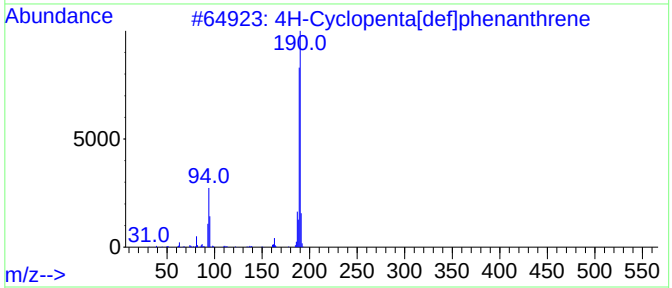
****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

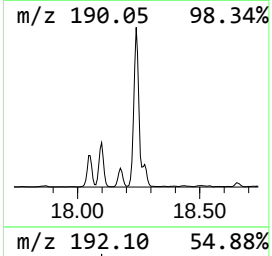
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.239	39.07 ng	1430780	Phenanthrene-d10	17.175

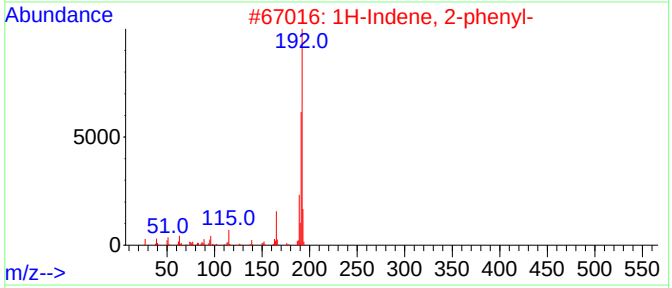
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	30
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	30

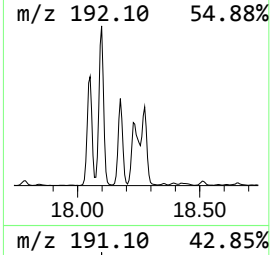


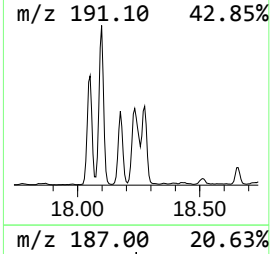


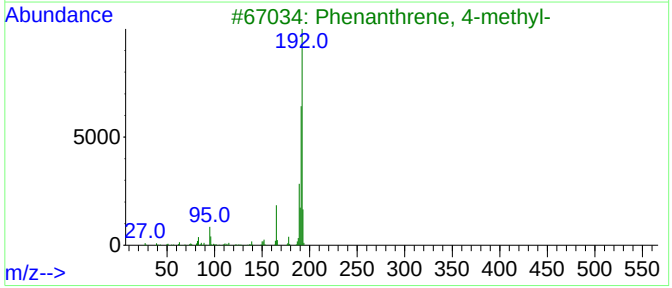


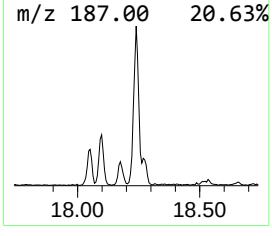












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Data File : BP008356.D
Acq On : 10 Dec 2021 23:56
Operator : CG/JU
Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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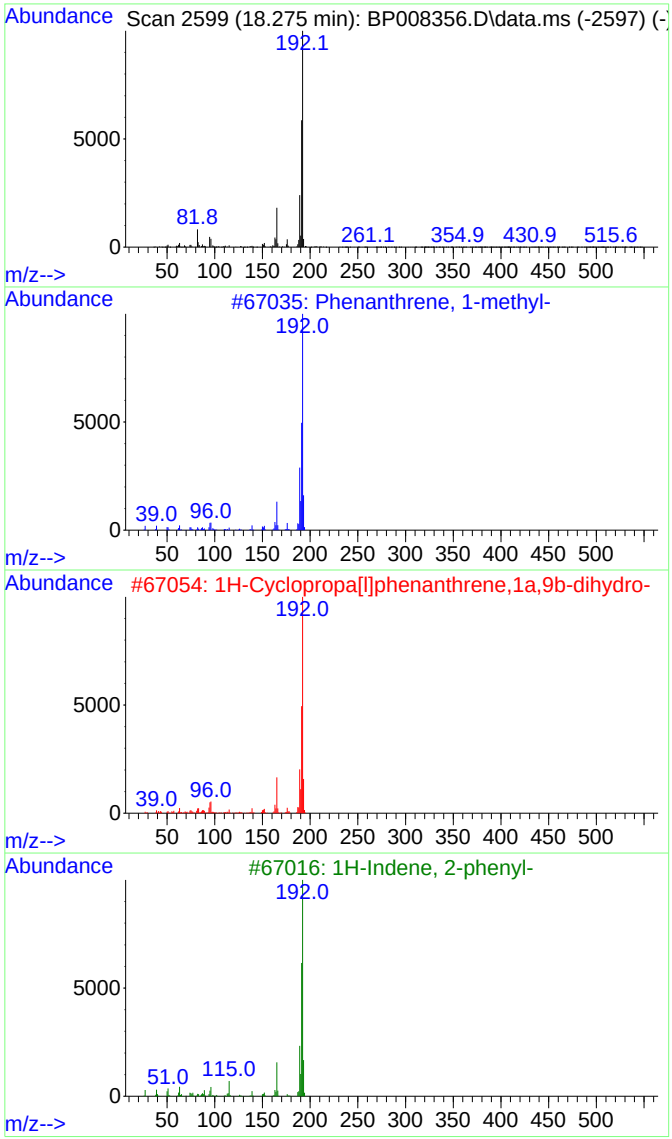
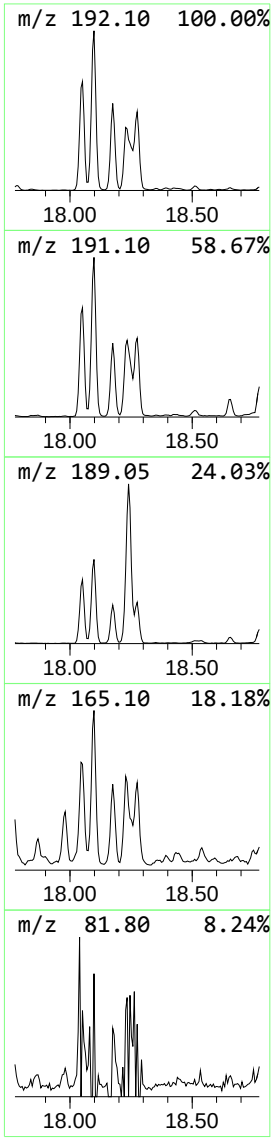
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.275	13.76 ng	503932	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	74
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	74
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	72
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72





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Acq On : 10 Dec 2021 23:56
Operator : CG/JU
Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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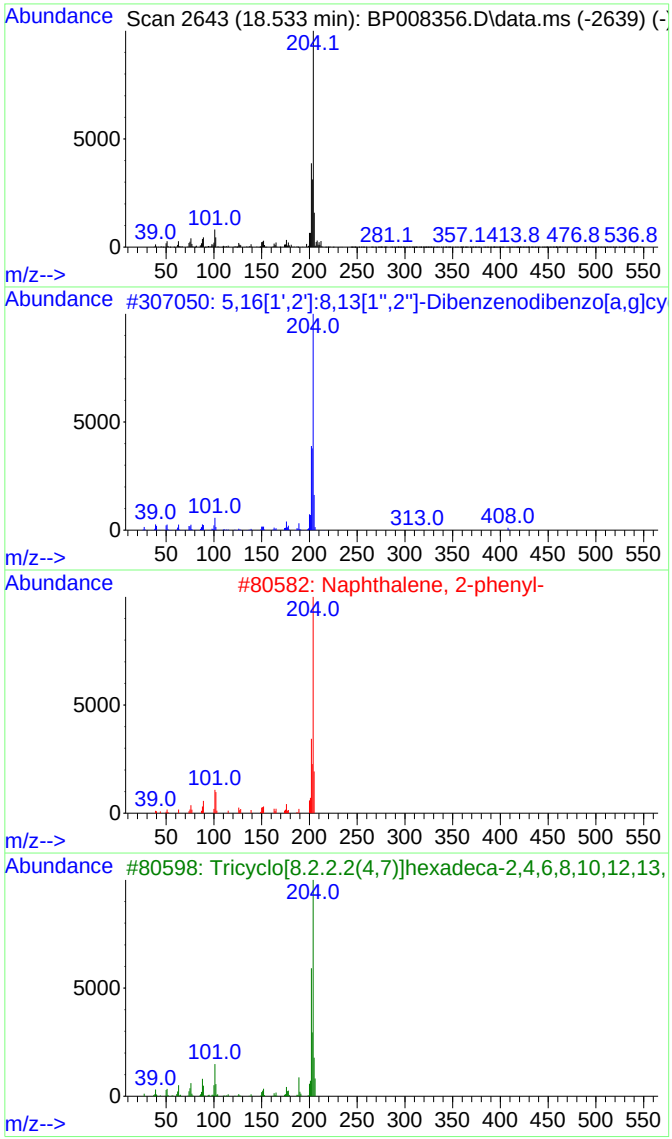
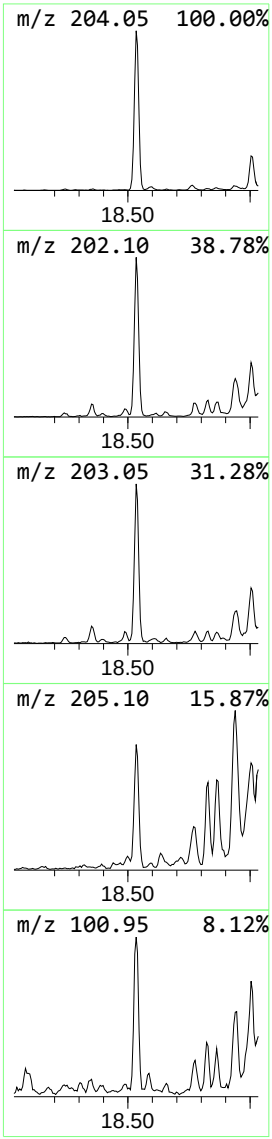
Peak Number 11 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.534	15.60 ng	571307	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	47





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Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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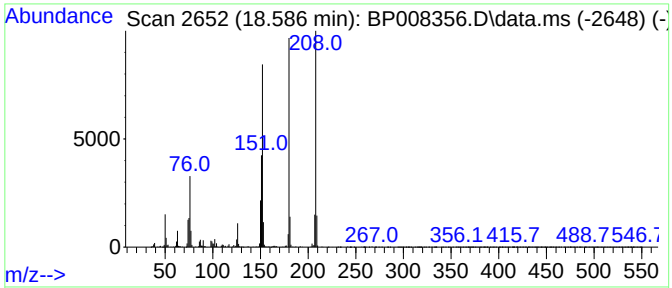
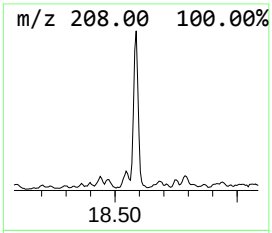
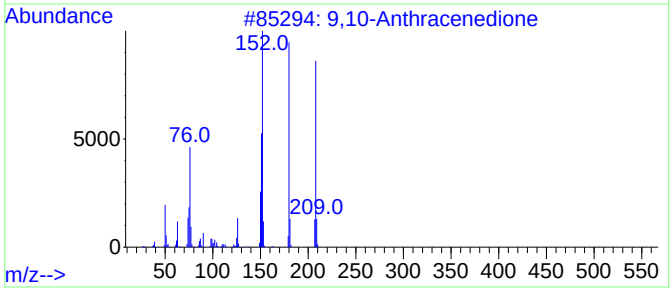
Peak Number 12 9,10-Anthracenedione Concentration Rank 9

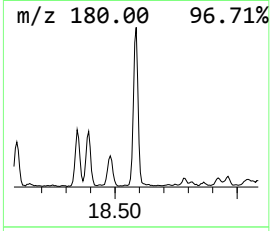
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.586	15.34 ng	561855	Phenanthrene-d10	17.175

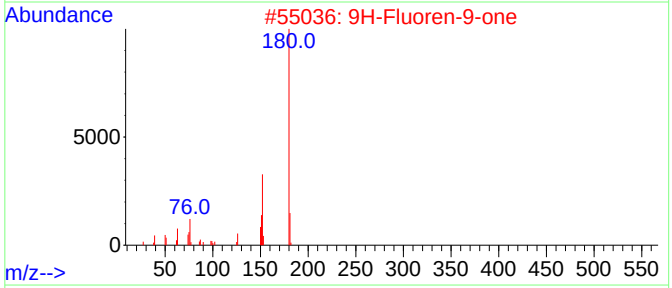
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53

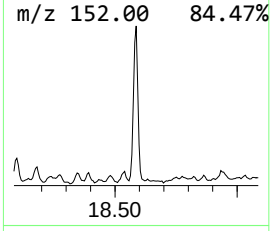


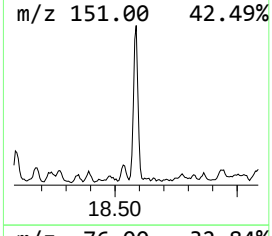


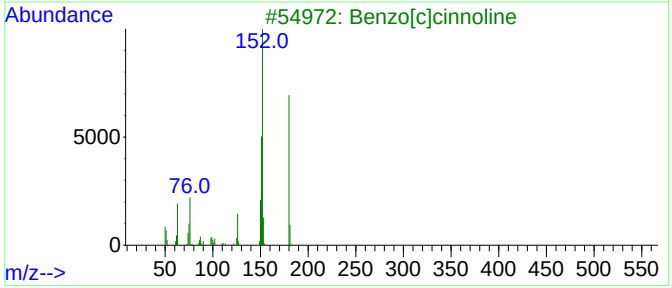


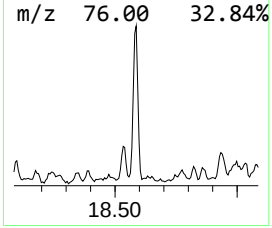












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Data File : BP008356.D
Acq On : 10 Dec 2021 23:56
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Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

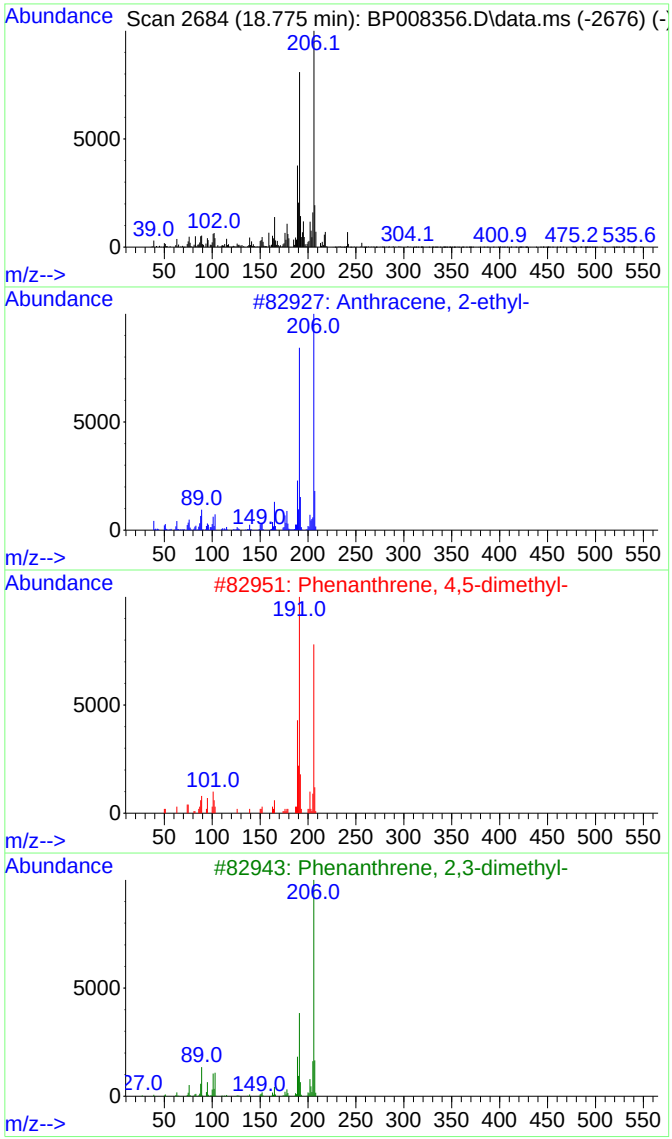
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

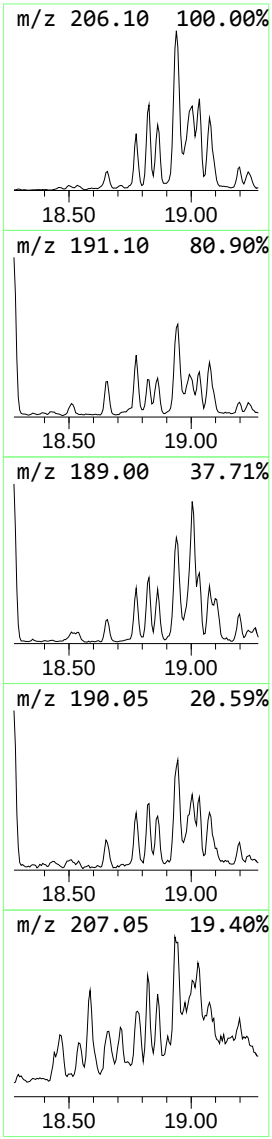
****

Peak Number 13 Anthracene, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.775	9.47 ng	346820	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	94
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90





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Operator : CG/JU
Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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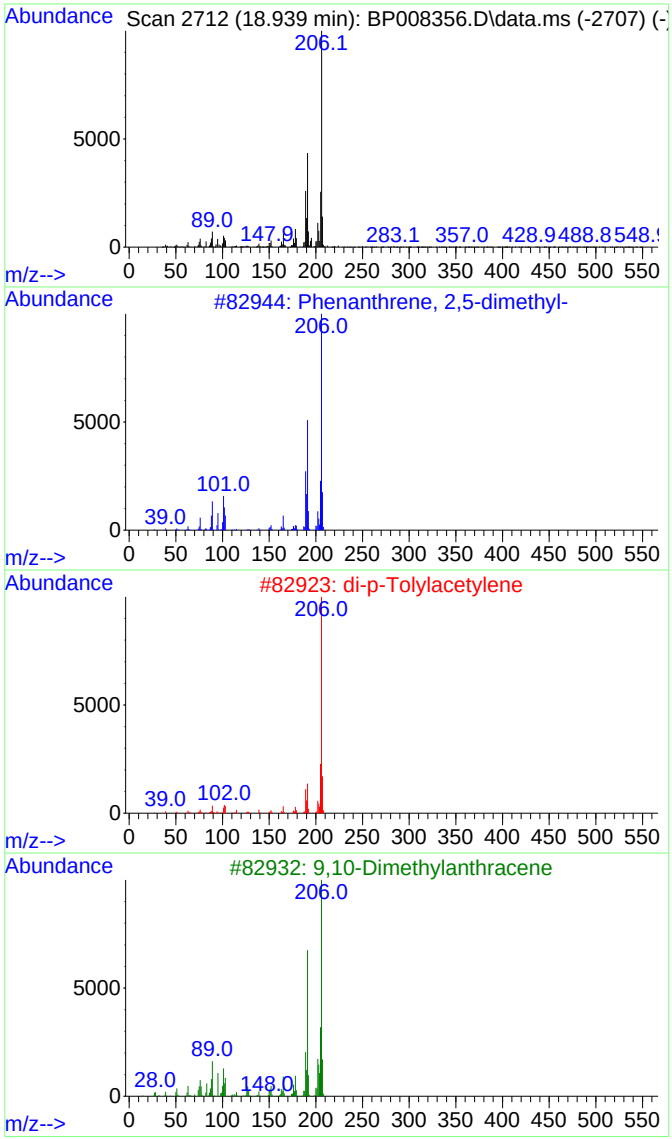
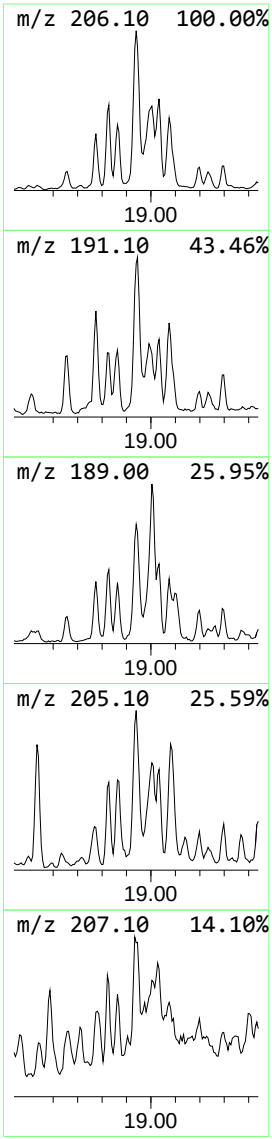
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.939	17.97 ng	658122	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87





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Data File : BP008356.D
Acq On : 10 Dec 2021 23:56
Operator : CG/JU
Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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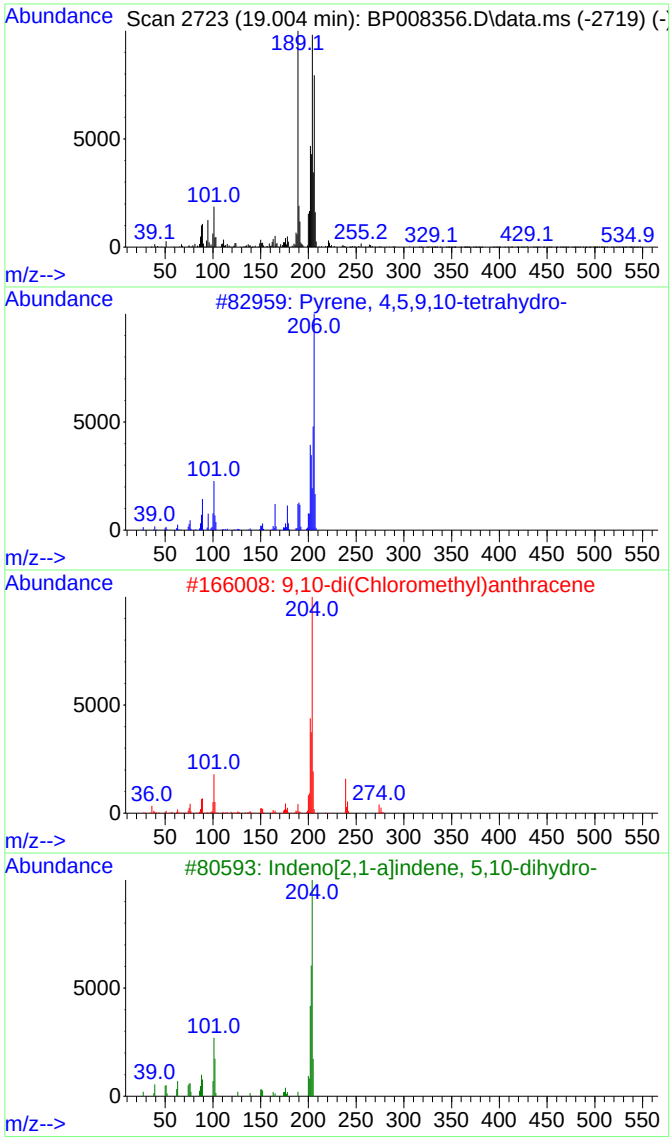
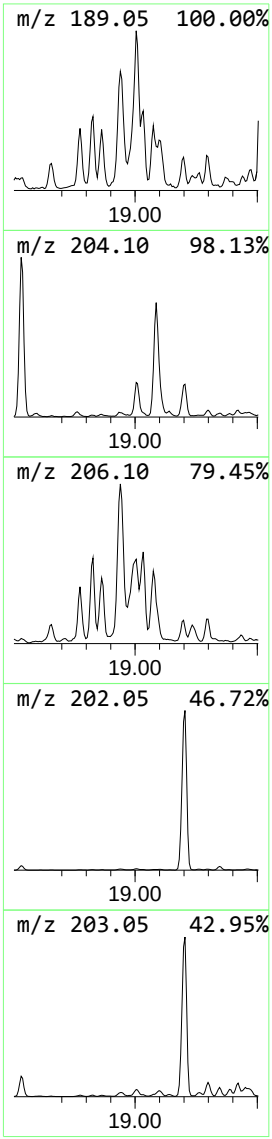
Peak Number 15 unknown19.004 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.004	14.23 ng	521310	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	47
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	38
4	5-(Difluoromethyl)-3-methyl-1H-p...	204	C8H14F2N2Si	1000498-58-2	38
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	35





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Data File : BP008356.D
Acq On : 10 Dec 2021 23:56
Operator : CG/JU
Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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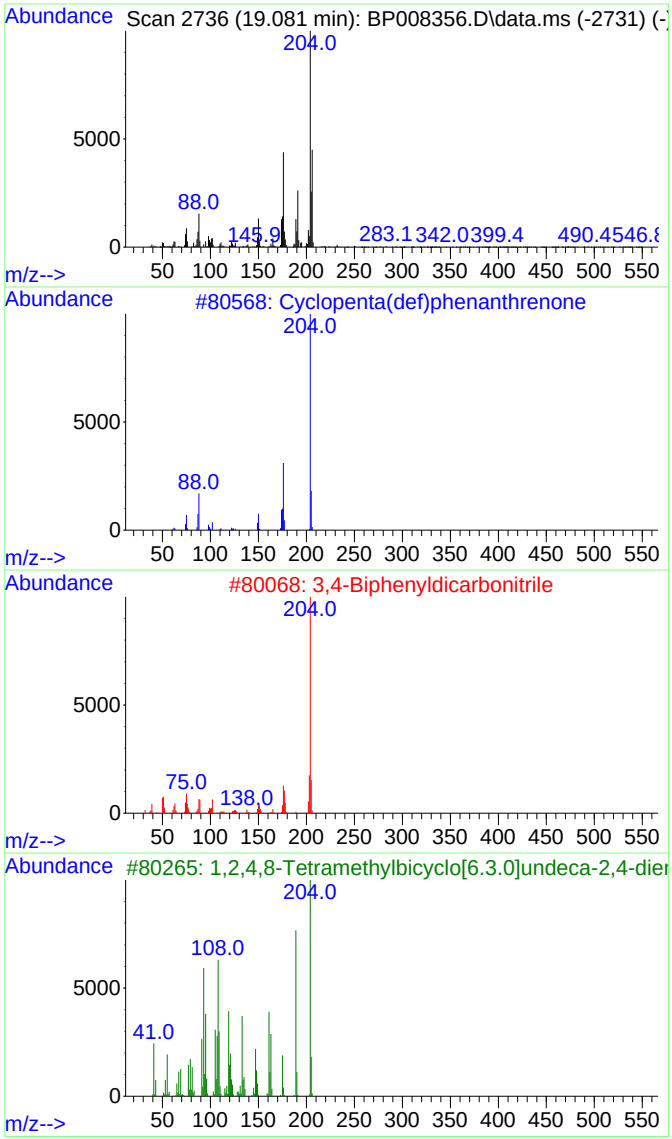
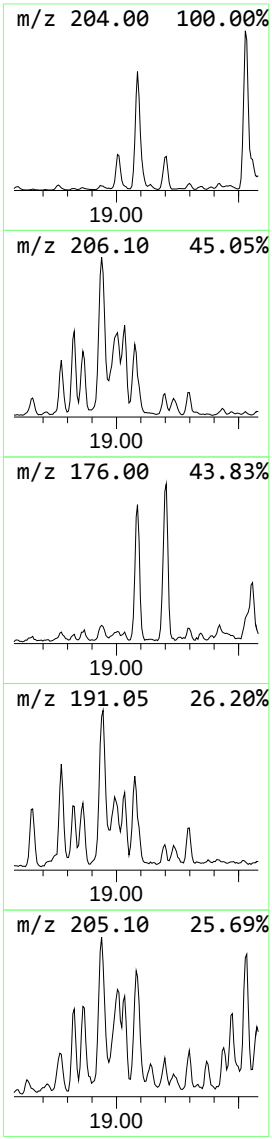
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.081	19.10 ng	699535	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
4	[1,1'-Biphenyl-3-ol], 6-chloro-	204	C12H9ClO	021345-13-1	38
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38





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Data File : BP008356.D
Acq On : 10 Dec 2021 23:56
Operator : CG/JU
Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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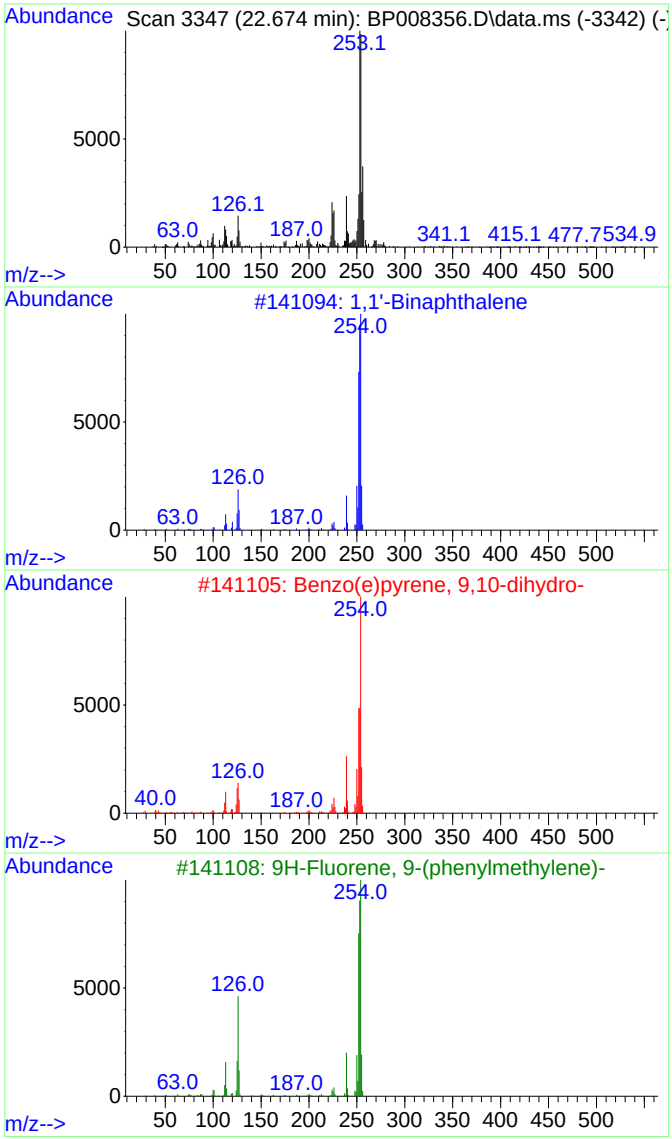
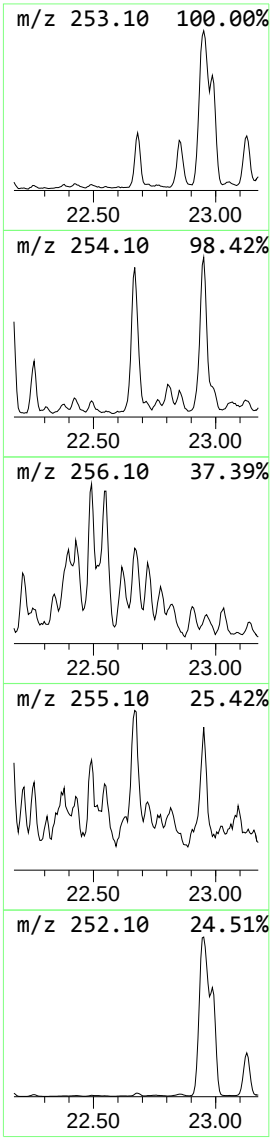
Peak Number 17 1,1'-Binaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.674	8.85 ng	467053	Perylene-d12	23.663

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	94
2	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	78
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	76
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	70
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	58





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Data File : BP008356.D
Acq On : 10 Dec 2021 23:56
Operator : CG/JU
Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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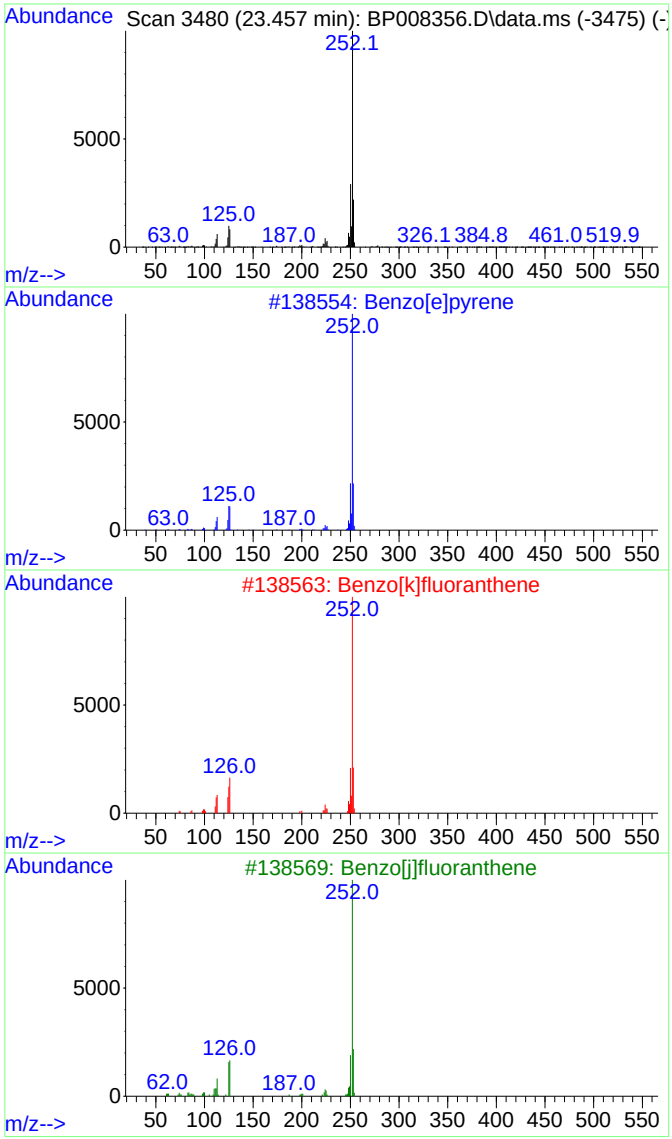
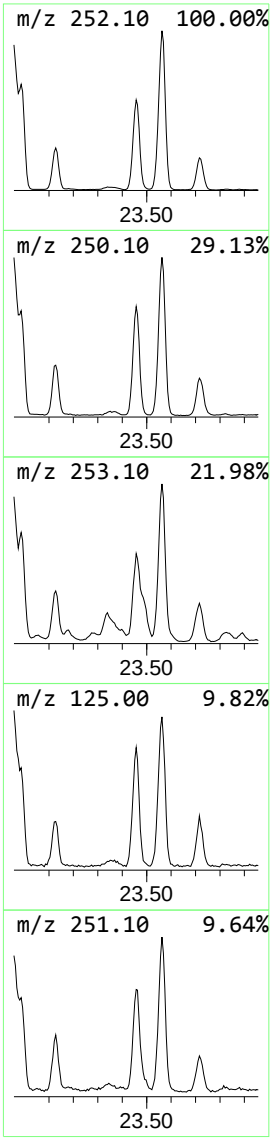
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.457	30.90 ng	1631450	Perylene-d12	23.663

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008356.D
Acq On : 10 Dec 2021 23:56
Operator : CG/JU
Sample : M4966-22
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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
3-Buten-2-ol, 2...	3.017	9.8	ng	207477	1	7.758	422680	20.0
[1,1'-Biphenyl]...	15.763	9.3	ng	295548	3	14.410	634334	20.0
9H-Fluoren-9-one	16.834	11.0	ng	401348	4	17.175	732458	20.0
3'-Methyl-[1,1'...	16.910	10.1	ng	370096	4	17.175	732458	20.0
Dibenzothiophene	16.992	8.5	ng	310172	4	17.175	732458	20.0
Phenanthrene, 2...	18.051	25.3	ng	925407	4	17.175	732458	20.0
Phenanthrene, 1...	18.098	40.5	ng	1482400	4	17.175	732458	20.0
1H-Cyclopropa[1...	18.175	17.0	ng	622391	4	17.175	732458	20.0
4H-Cyclopenta[d...	18.239	39.1	ng	1430780	4	17.175	732458	20.0
1H-Indene, 2-ph...	18.275	13.8	ng	503932	4	17.175	732458	20.0
5,16[1',2']:8,1...	18.534	15.6	ng	571307	4	17.175	732458	20.0
9,10-Anthracene...	18.586	15.3	ng	561855	4	17.175	732458	20.0
Anthracene, 2-e...	18.775	9.5	ng	346820	4	17.175	732458	20.0
Phenanthrene, 2...	18.939	18.0	ng	658122	4	17.175	732458	20.0
unknown19.004	19.004	14.2	ng	521310	4	17.175	732458	20.0
Cyclopenta(def)...	19.081	19.1	ng	699535	4	17.175	732458	20.0
1,1'-Binaphthalene	22.674	8.8	ng	467053	6	23.663	1055860	20.0
Benzo[e]pyrene	23.457	30.9	ng	1631450	6	23.663	1055860	20.0