LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008418.D
Acq On : 15 Dec 2021 15:49
Operator : CG/JU
Sample : M5076-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

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-BP121421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008418.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.875	316	321	331	rBV	97064	139486	1.93%	0.192%
2	6.957	668	675	690	rBV	69550	173250	2.40%	0.239%
3	7.746	802	809	819	rBV	251066	410888	5.68%	0.566%
4	8.916	1001	1008	1019	rBV	54848	118571	1.64%	0.163%
5	10.540	1275	1284	1301	rBV	302222	562559	7.78%	0.775%
6	12.428	1595	1605	1615	rBV	89399	157659	2.18%	0.217%
7	13.016	1695	1705	1715	rBV	177850	279100	3.86%	0.385%
8	13.557	1790	1797	1807	rBV2	131479	326004	4.51%	0.449%
9	13.716	1817	1824	1829	rBV	252244	440189	6.09%	0.607%
10	13.769	1829	1833	1844	rVB	167846	256800	3.55%	0.354%
11	13.951	1857	1864	1868	rBV	129540	212872	2.94%	0.293%
12	14.122	1889	1893	1902	rVB	88651	133567	1.85%	0.184%
13	14.392	1928	1939	1945	rBV	487903	797907	11.03%	1.100%
14	14.457	1945	1950	1959	rVB	334324	514651	7.12%	0.709%
15	14.610	1969	1976	1984	rBV	90124	216529	2.99%	0.298%
16	14.704	1985	1992	1997	rBV2	91013	174289	2.41%	0.240%
17	14.798	1998	2008	2015	rVV2	129557	246002	3.40%	0.339%
18	14.875	2015	2021	2026	rVV	120737	165476	2.29%	0.228%
19	15.016	2040	2045	2051	rBV	93494	166024	2.30%	0.229%
20	15.075	2051	2055	2059	rVB	85271	111753	1.55%	0.154%
21	15.186	2067	2074	2078	rBV2	84365	194486	2.69%	0.268%
22	15.451	2113	2119	2123	rBV3	228978	362935	5.02%	0.500%
23	15.545	2130	2135	2137	rBV2	84767	122879	1.70%	0.169%
24	15.575	2137	2140	2143	rVV	121702	161544	2.23%	0.223%
25	15.610	2143	2146	2151	rVB3	80339	122975	1.70%	0.170%
26	15.745	2165	2169	2178	rVB2	91553	209270	2.89%	0.288%
27	15.904	2191	2196	2202	rVB3	65080	142283	1.97%	0.196%
28	16.139	2230	2236	2241	rBV4	71338	132080	1.83%	0.182%
29	16.463	2284	2291	2295	rBV2	97088	188054	2.60%	0.259%
30	16.510	2295	2299	2305	rVB2	102192	150710	2.08%	0.208%
31	16.822	2347	2352	2358	rVB2	145896	227807	3.15%	0.314%
32	16.892	2360	2364	2373	rVV7	54469	149223	2.06%	0.206%
33	16.975	2373	2378	2387	rVB	348087	528110	7.30%	0.728%
34	17.163	2404	2410	2412	rBV	580283	867012	11.99%	1.195%
35	17.210	2412	2418	2424	rVV	4166012	6097081	84.31%	8.405%
36	17.292	2427	2432	2438	rVB	705390	959657	13.27%	1.323%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008418.D
Acq On : 15 Dec 2021 15:49
Operator : CG/JU
Sample : M5076-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

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-BP121421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.486	2461	2465	2469	rVB	77286	109400	1.51%	0.151%
38	17.680	2494	2498	2502	rVB	217991	278521	3.85%	0.384%
39	17.745	2504	2509	2517	rVB3	298930	470568	6.51%	0.649%
40	17.886	2529	2533	2539	rVB	144531	255603	3.53%	0.352%
41	17.963	2541	2546	2550	rVV2	132616	202040	2.79%	0.279%
42	18.033	2553	2558	2562	rVV	1235033	1684972	23.30%	2.323%
43	18.080	2562	2566	2573	rVB	1411278	1874099	25.91%	2.583%
44	18.157	2574	2579	2584	rBV	262698	381238	5.27%	0.526%
45	18.216	2584	2589	2593	rVV2	1290958	2186669	30.24%	3.014%
46	18.257	2593	2596	2602	rVB	1055207	1385505	19.16%	1.910%
47	18.339	2606	2610	2614	rBV2	101723	162096	2.24%	0.223%
48	18.422	2620	2624	2627	rBV	96544	121331	1.68%	0.167%
49	18.516	2636	2640	2645	rBV	580298	783808	10.84%	1.080%
50	18.569	2645	2649	2657	rVB	449014	693009	9.58%	0.955%
51	18.639	2657	2661	2664	rBV	126697	159782	2.21%	0.220%
52	18.757	2678	2681	2686	rBV	231702	300353	4.15%	0.414%
53	18.810	2686	2690	2693	rVV	217487	265191	3.67%	0.366%
54	18.845	2693	2696	2700	rVB2	150124	187582	2.59%	0.259%
55	18.927	2705	2710	2714	rBV	635682	931896	12.89%	1.285%
56	18.986	2714	2720	2723	rVV3	236998	491907	6.80%	0.678%
57	19.016	2723	2725	2729	rVB	181530	183787	2.54%	0.253%
58	19.069	2729	2734	2740	rBV2	708314	1165212	16.11%	1.606%
59	19.186	2746	2754	2760	rBV	3455600	4623466	63.93%	6.373%
60	19.245	2760	2764	2767	rVV	206854	262717	3.63%	0.362%
61	19.280	2767	2770	2776	rVB3	236864	325162	4.50%	0.448%
62	19.392	2785	2789	2791	rBV	196727	243276	3.36%	0.335%
63	19.422	2791	2794	2797	rVB2	145471	167474	2.32%	0.231%
64	19.451	2797	2799	2805	rVB3	88025	106479	1.47%	0.147%
65	19.545	2805	2815	2821	rBV	4920497	7232151	100.00%	9.969%
66	19.610	2821	2826	2832	rVB4	215771	360307	4.98%	0.497%
67	19.733	2843	2847	2850	rVB	350943	401286	5.55%	0.553%
68	19.769	2850	2853	2858	rVB2	158877	206998	2.86%	0.285%
69	19.857	2862	2868	2878	rBV3	460701	1104563	15.27%	1.523%
70	19.986	2886	2890	2892	rBV3	394503	568196	7.86%	0.783%
71	20.092	2905	2908	2910	rBV2	93340	106536	1.47%	0.147%
72	20.121	2910	2913	2917	rVV2	152664	168992	2.34%	0.233%
73	20.174	2918	2922	2927	rBV	681461	912777	12.62%	1.258%
74	20.257	2933	2936	2941	rVB2	88816	115880	1.60%	0.160%
75	20.316	2941	2946	2949	rBV	563110	729204	10.08%	1.005%
76	20.357	2949	2953	2957	rVB	649993	804742	11.13%	1.109%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008418.D
Acq On : 15 Dec 2021 15:49
Operator : CG/JU
Sample : M5076-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

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-BP121421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.521	2978	2981	2985	rVB3	92263	105286	1.46%	0.145%
78	20.763	3017	3022	3026	rBV	893056	1092910	15.11%	1.507%
79	20.845	3033	3036	3039	rBV	116044	178902	2.47%	0.247%
80	20.916	3044	3048	3051	rVV2	647221	975952	13.49%	1.345%
81	20.951	3051	3054	3058	rVV	516663	638032	8.82%	0.880%
82	20.992	3058	3061	3065	rVV	239814	316904	4.38%	0.437%
83	21.057	3068	3072	3077	rVB	590161	790646	10.93%	1.090%
84	21.257	3100	3106	3111	rBV2	2375719	4383284	60.61%	6.042%
85	21.304	3111	3114	3119	rVV	2226584	2674316	36.98%	3.687%
86	21.380	3123	3127	3132	rBV	938521	1197447	16.56%	1.651%
87	21.486	3142	3145	3158	rVB8	211400	621211	8.59%	0.856%
88	21.639	3168	3171	3175	rBV2	133295	199346	2.76%	0.275%
89	21.774	3191	3194	3198	rBV	185718	277961	3.84%	0.383%
90	21.839	3201	3205	3210	rVV	612401	934696	12.92%	1.288%
91	21.892	3211	3214	3220	rVB	313418	421154	5.82%	0.581%
92	21.957	3221	3225	3228	rBV2	208013	295921	4.09%	0.408%
93	22.045	3236	3240	3251	rVB2	333290	793263	10.97%	1.094%
94	22.145	3254	3257	3265	rVB2	195385	310362	4.29%	0.428%
95	22.645	3339	3342	3348	rVB3	191267	312068	4.32%	0.430%
96	22.921	3383	3389	3394	rBV	958363	2297110	31.76%	3.167%
97	23.104	3416	3420	3441	rVB3	235777	893271	12.35%	1.231%
98	23.427	3470	3475	3483	rVB	605713	1213502	16.78%	1.673%
99	23.533	3487	3493	3500	rVB	875527	1683286	23.28%	2.320%
100	23.639	3505	3511	3516	rBV2	530846	1001828	13.85%	1.381%

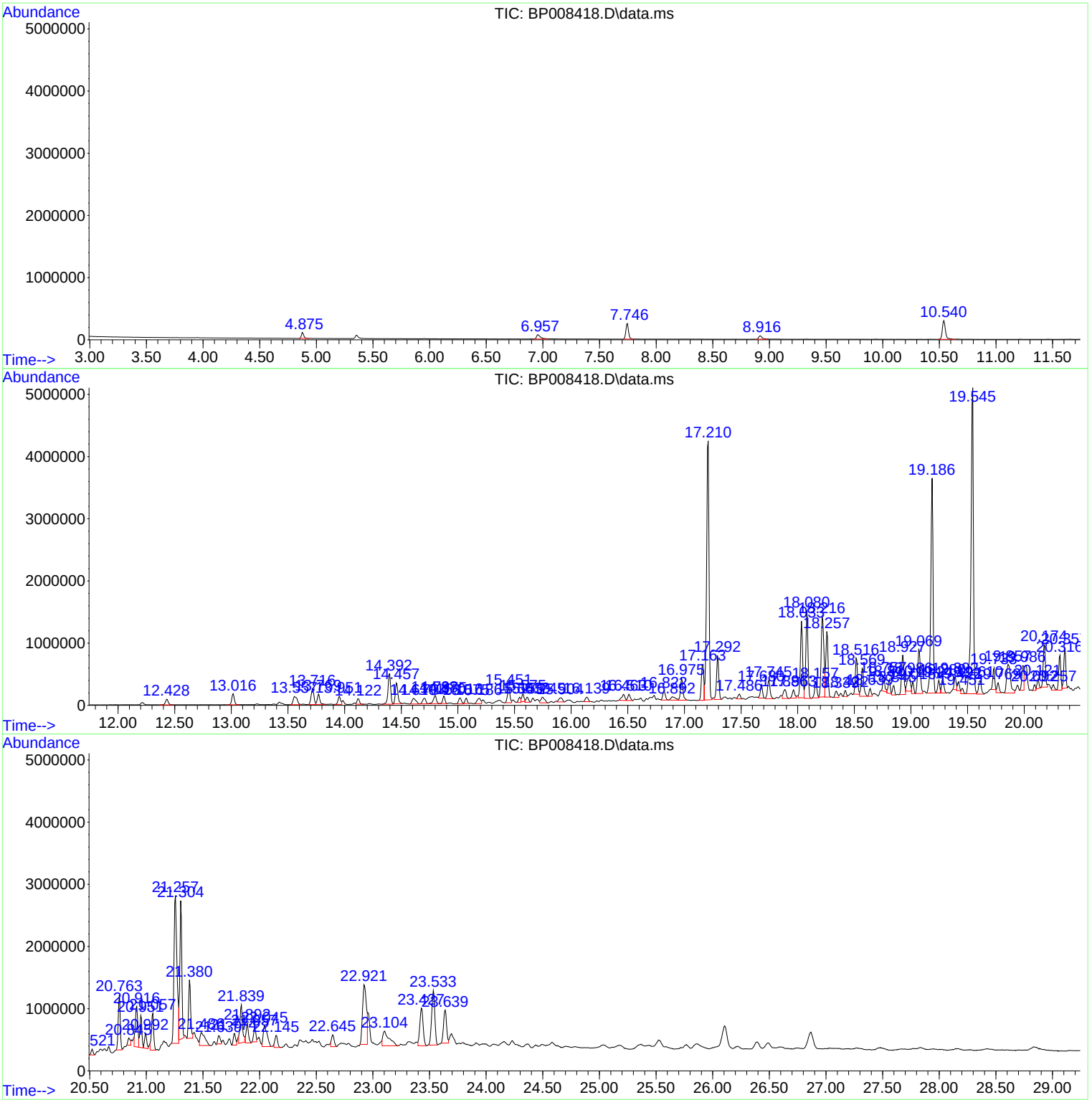
Sum of corrected areas: 72543115

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008418.D
Acq On : 15 Dec 2021 15:49
Operator : CG/JU
Sample : M5076-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.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\BP121521\
Data File : BP008418.D
Acq On : 15 Dec 2021 15:49
Operator : CG/JU
Sample : M5076-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

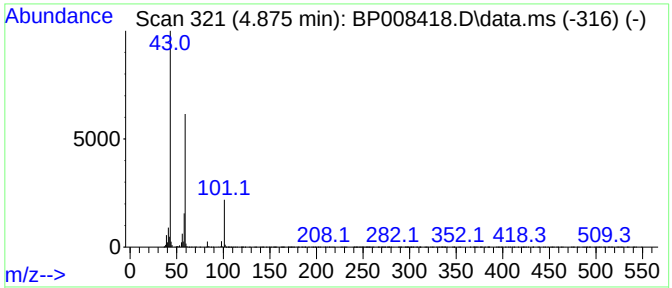
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

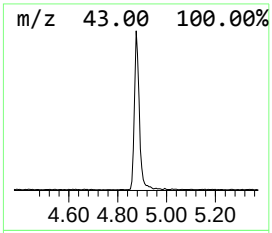
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

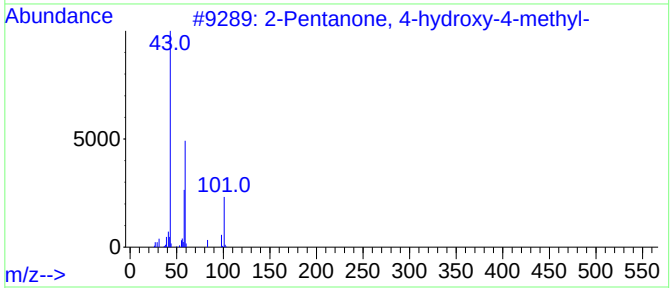
****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

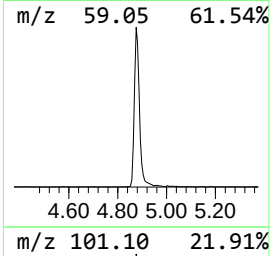
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.875	6.79 ng	139486	1,4-Dichlorobenzene-d4	7.746

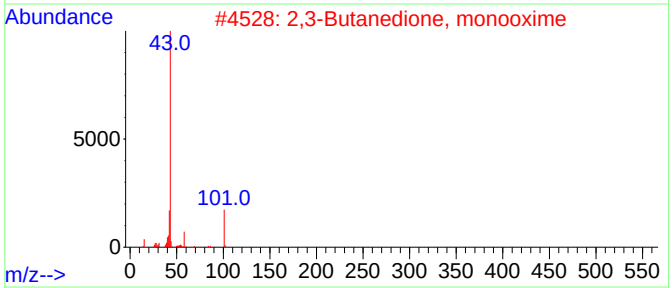
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Thiocyanic acid, propyl ester	101	C4H7NS	004251-16-5	9

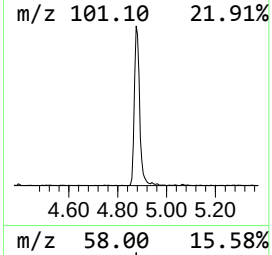


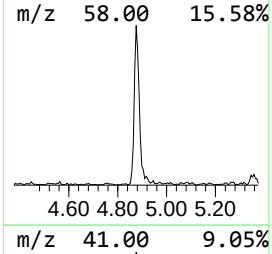


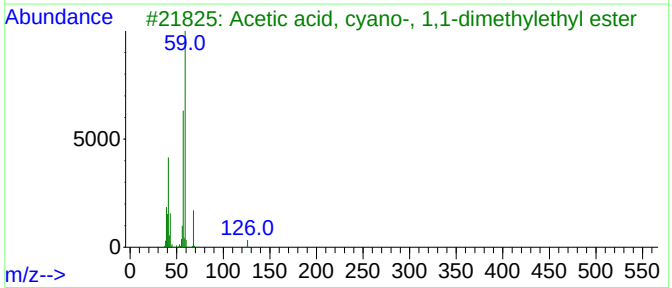


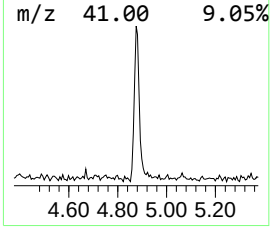












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008418.D
Acq On : 15 Dec 2021 15:49
Operator : CG/JU
Sample : M5076-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

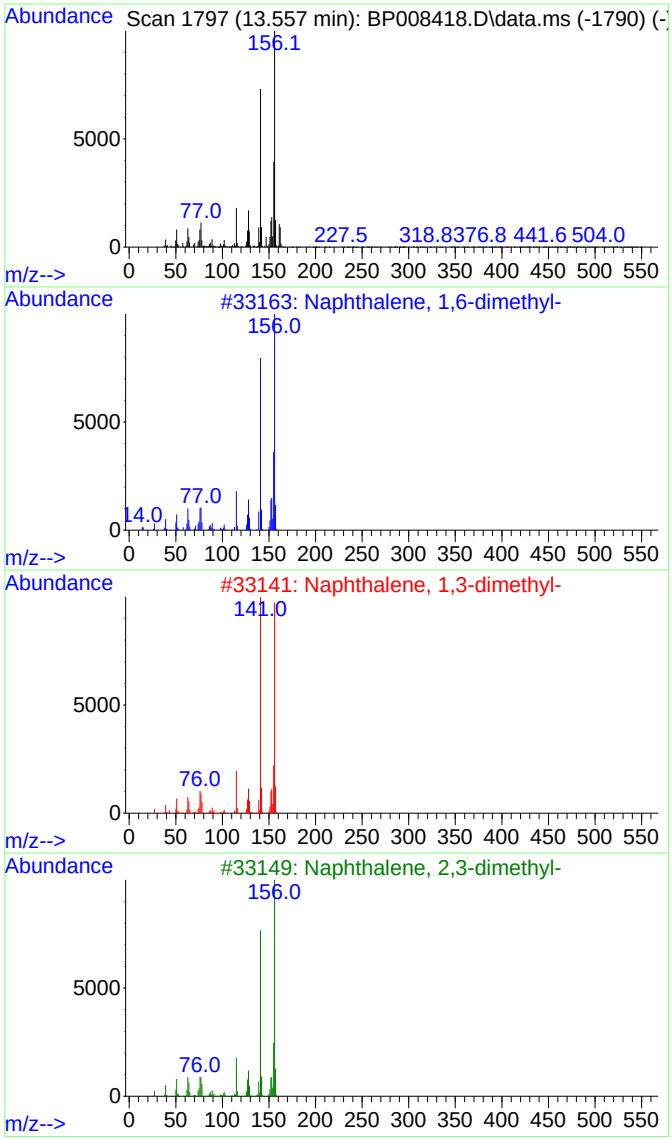
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

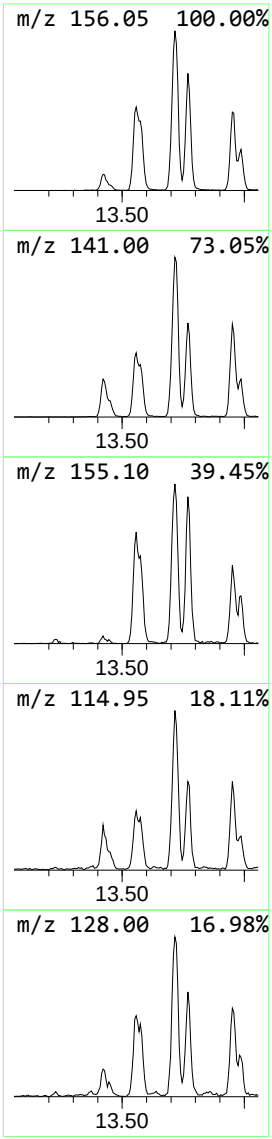
****

Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.557	8.17 ng	326004	Acenaphthene-d10	14.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008418.D
Acq On : 15 Dec 2021 15:49
Operator : CG/JU
Sample : M5076-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

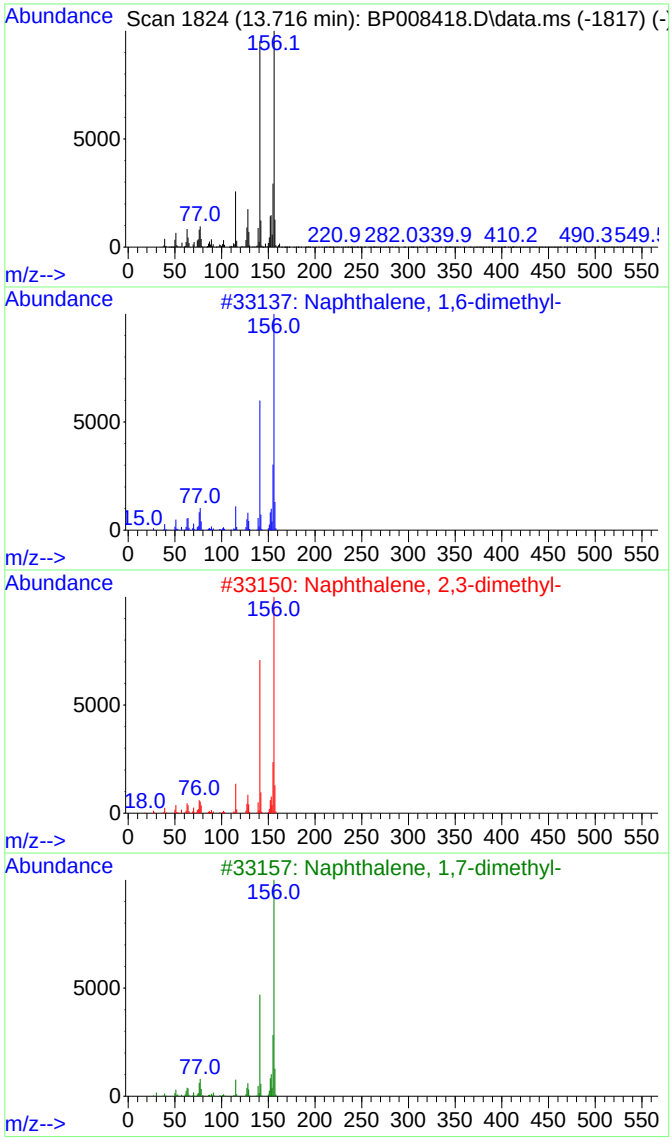
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

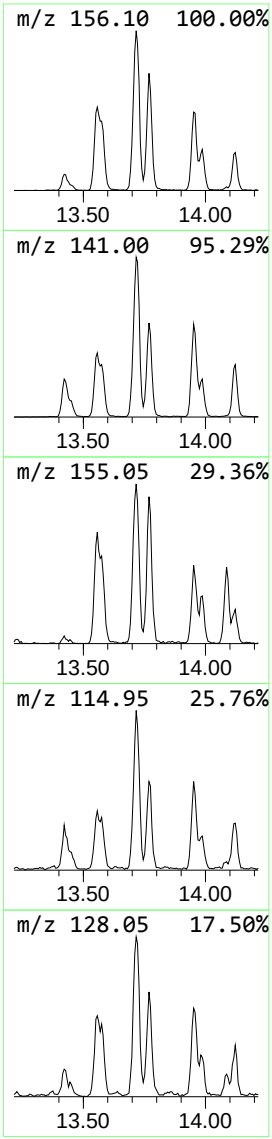
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.716	11.03 ng	440189	Acenaphthene-d10	14.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008418.D
Acq On : 15 Dec 2021 15:49
Operator : CG/JU
Sample : M5076-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

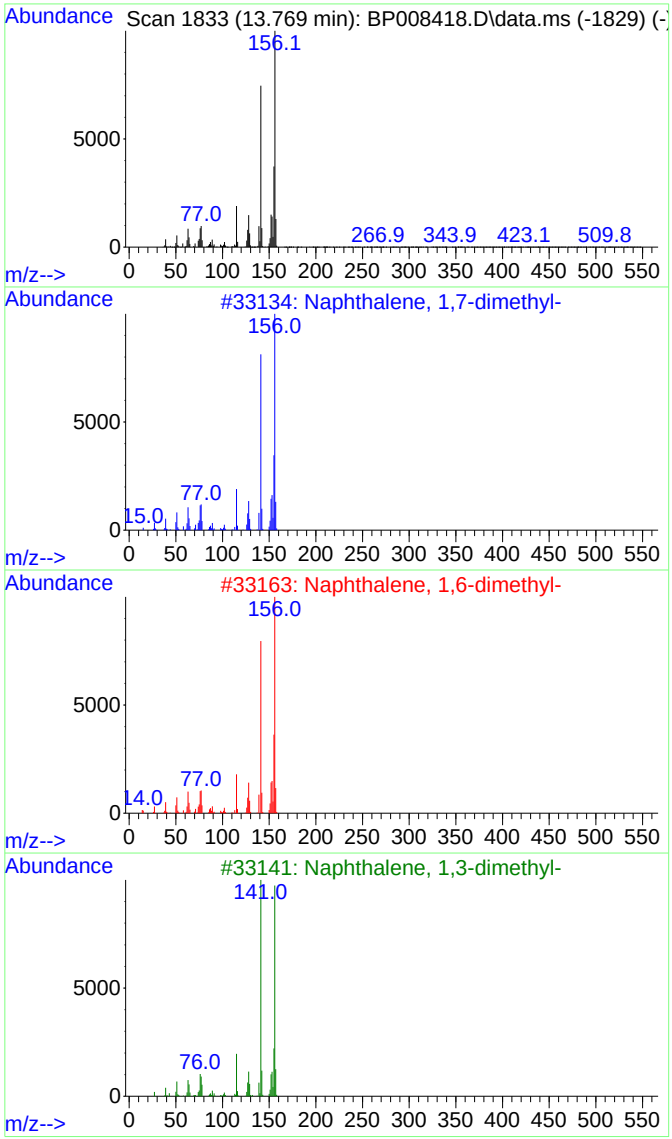
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

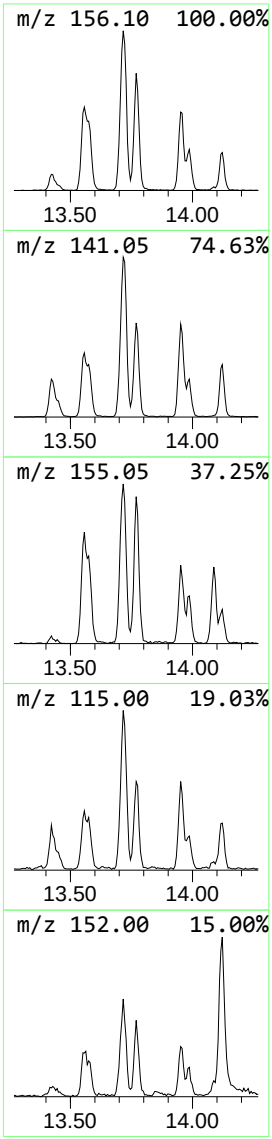
****

Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.769	6.44 ng	256800	Acenaphthene-d10	14.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





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Operator : CG/JU
Sample : M5076-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-9-SB-22-G

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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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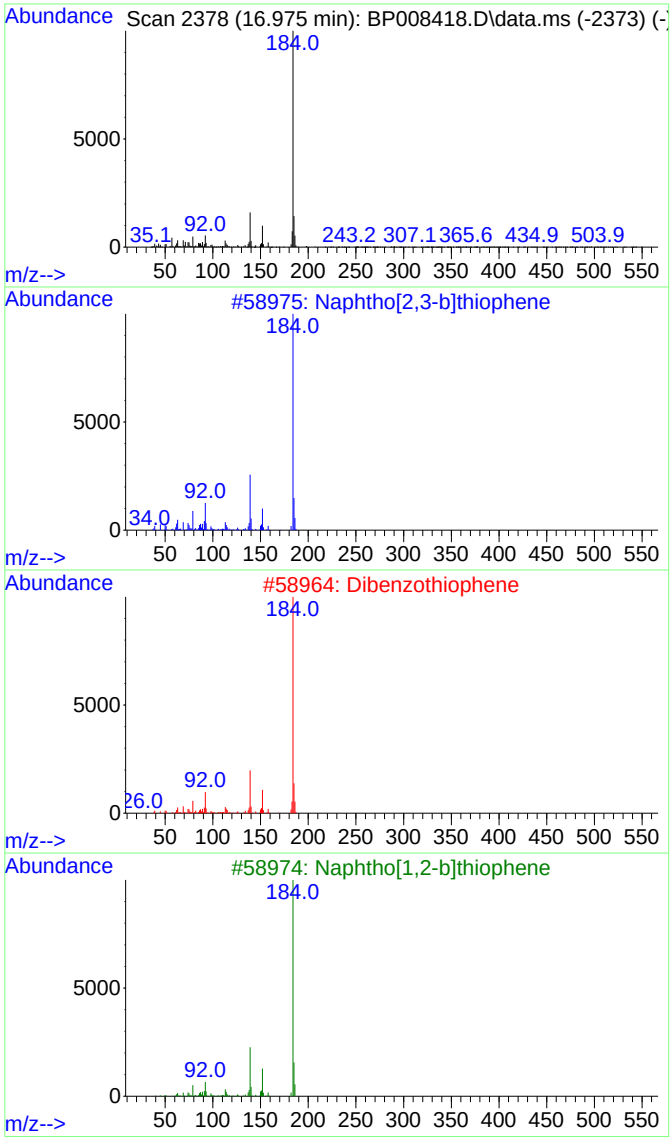
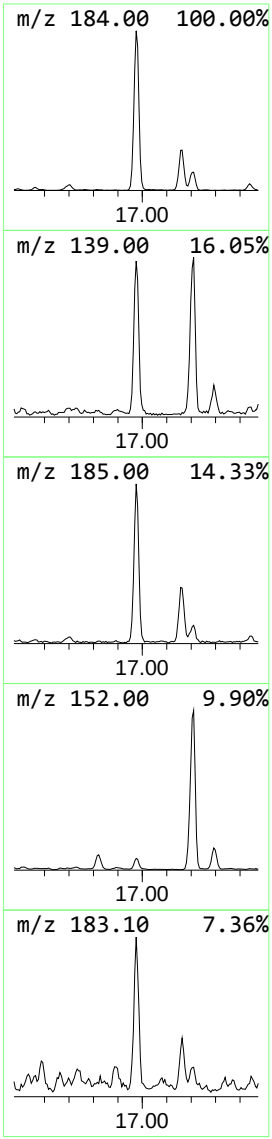
Peak Number 5 Naphtho[2,3-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.975	12.18 ng	528110	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Misc :
ALS Vial : 11 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

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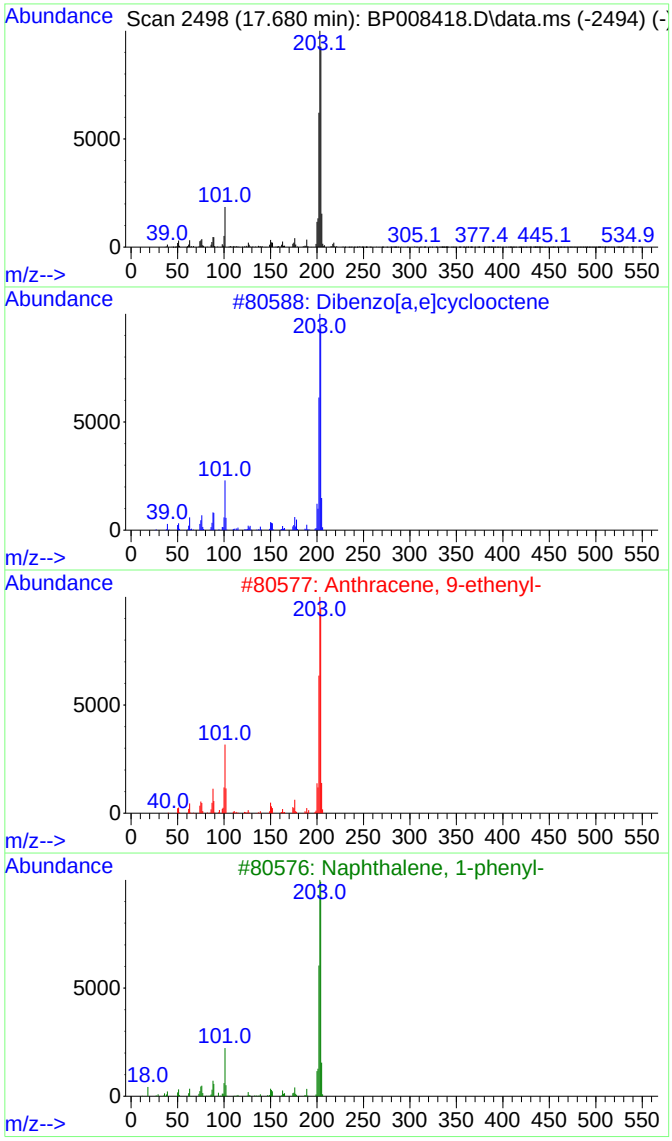
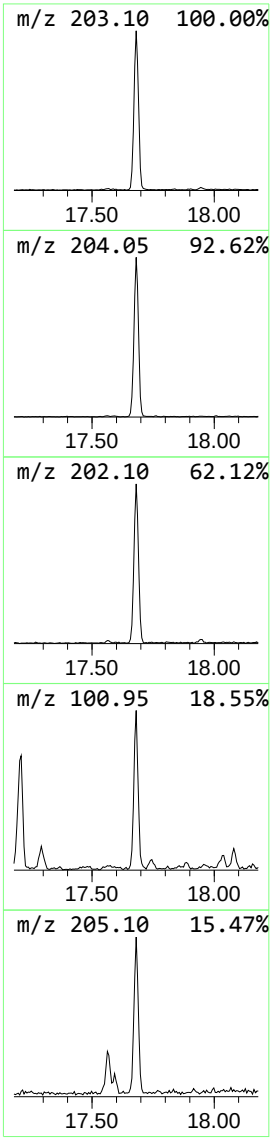
Peak Number 6 Dibenzo[a,e]cyclooctene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.680	6.42 ng	278521	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	96
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	94
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	93
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	76





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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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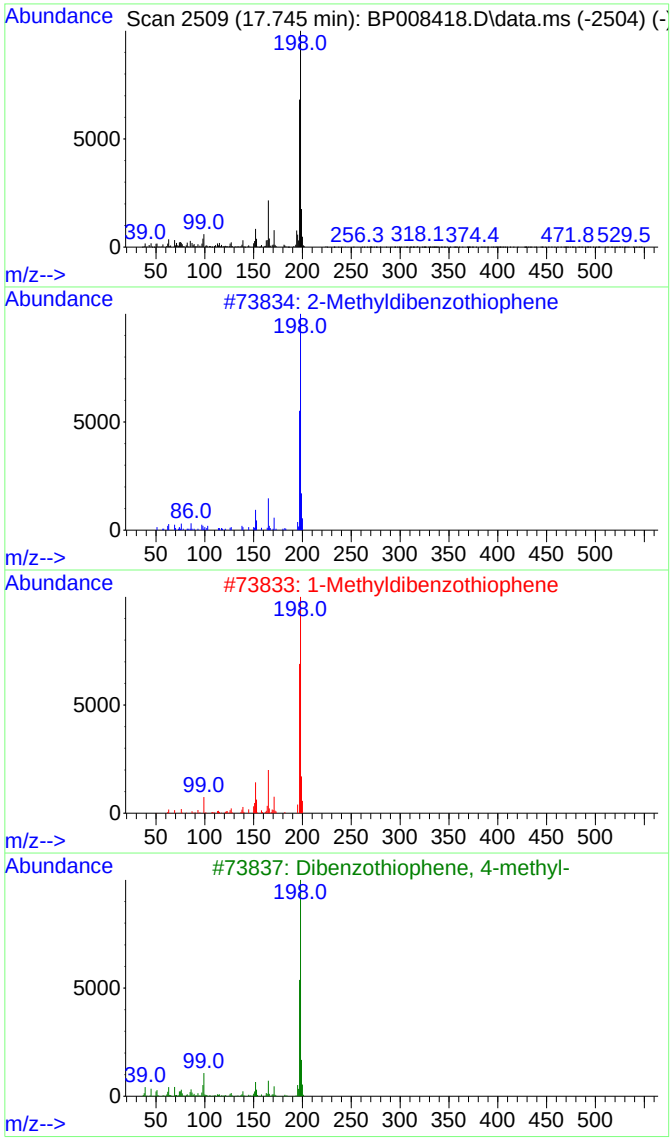
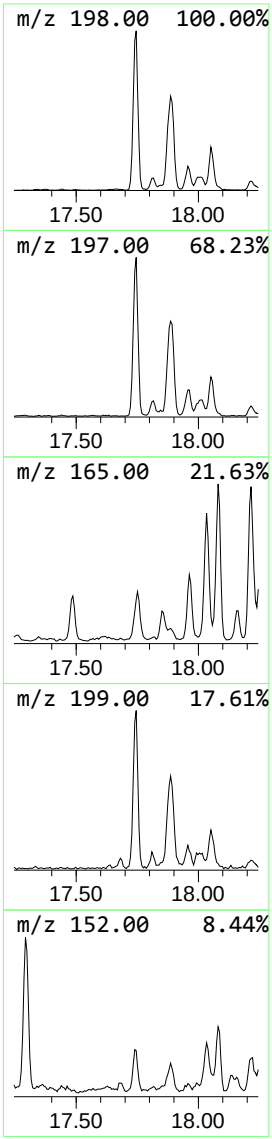
Peak Number 7 2-Methyldibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.745	10.85 ng	470568	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	93
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	72
5	Thioxanthene	198	C13H10S	000261-31-4	70





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Misc :
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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

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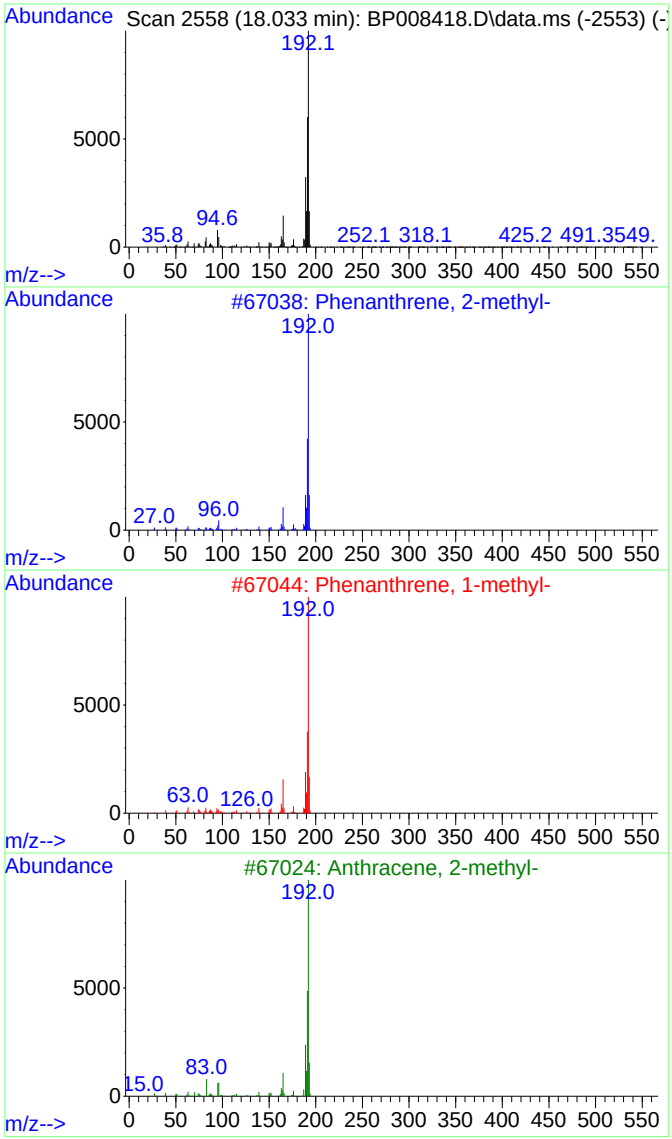
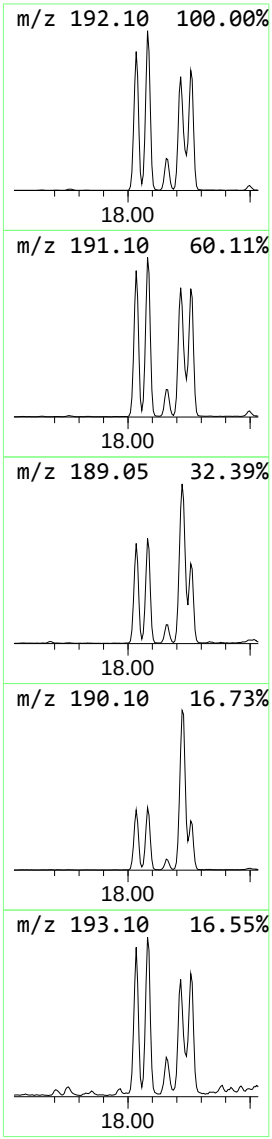
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.033	38.87 ng	1684970	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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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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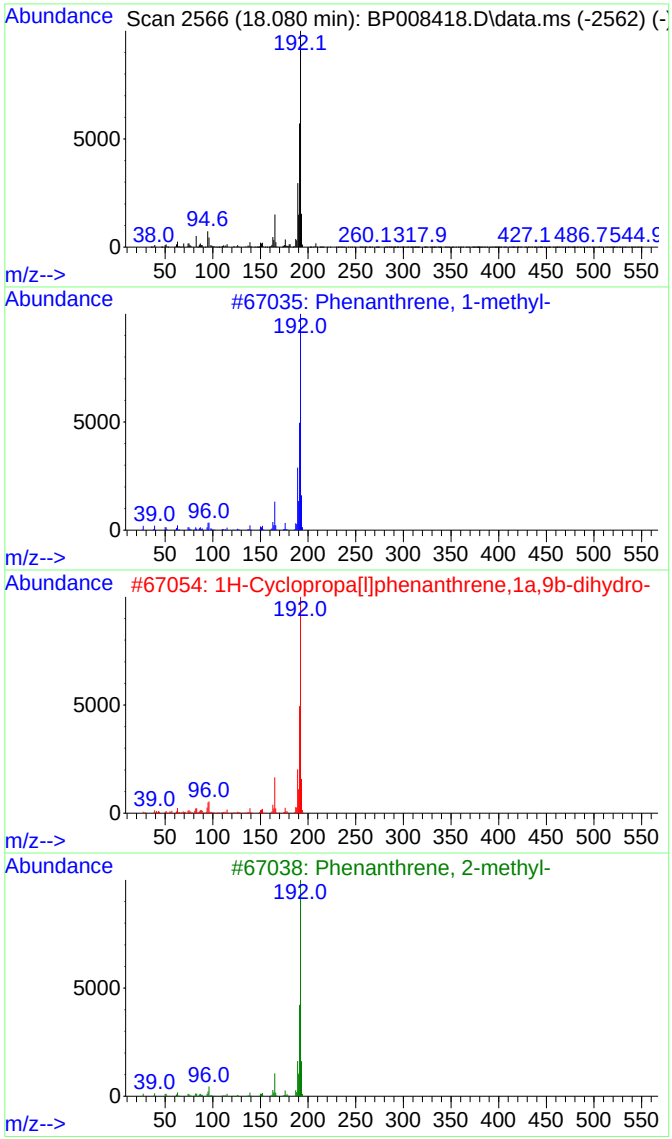
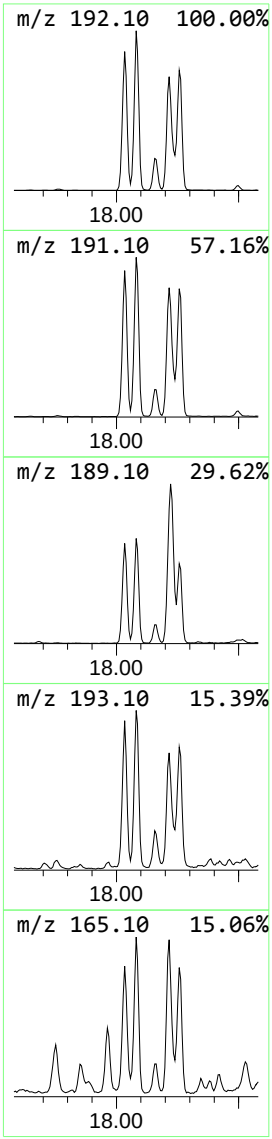
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.080	43.23 ng	1874100	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Sample : M5076-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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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

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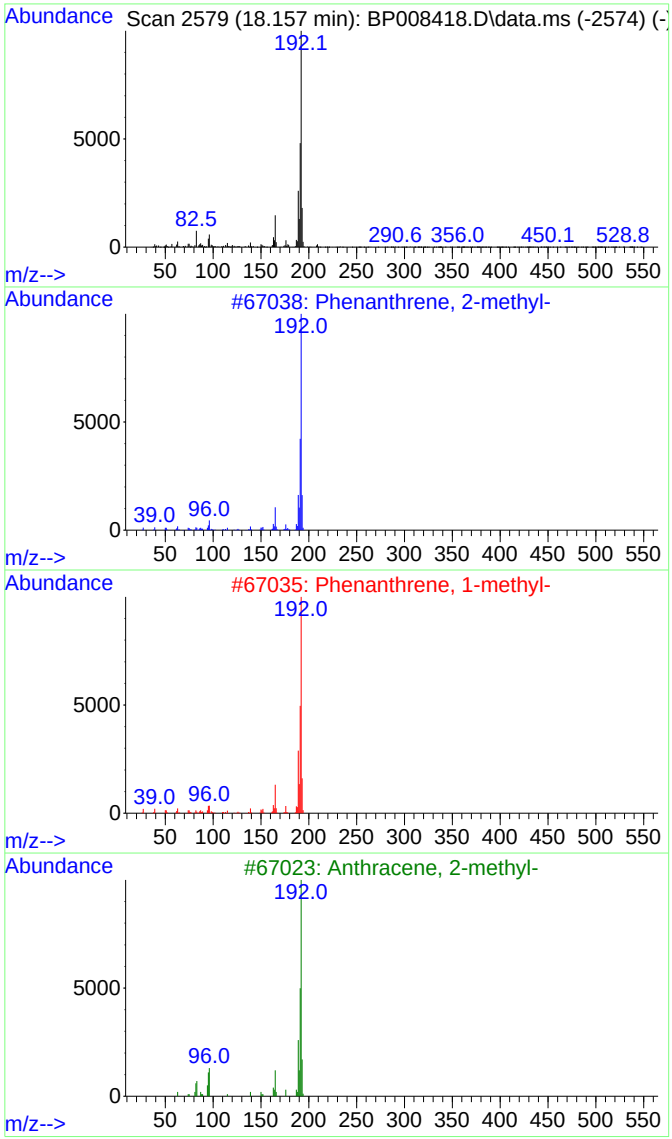
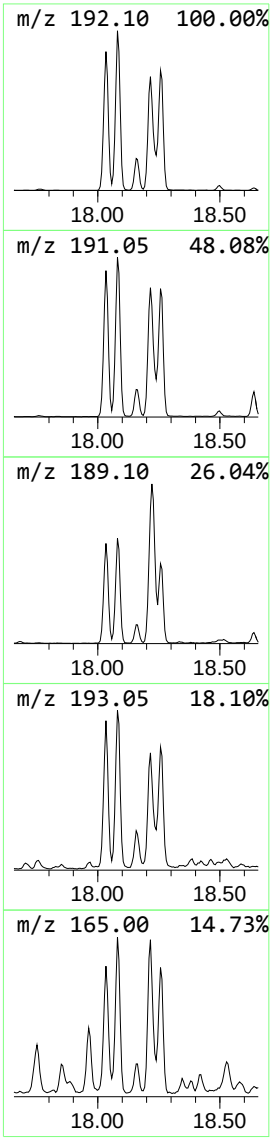
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.157	8.79 ng	381238	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Sample : M5076-12 5X
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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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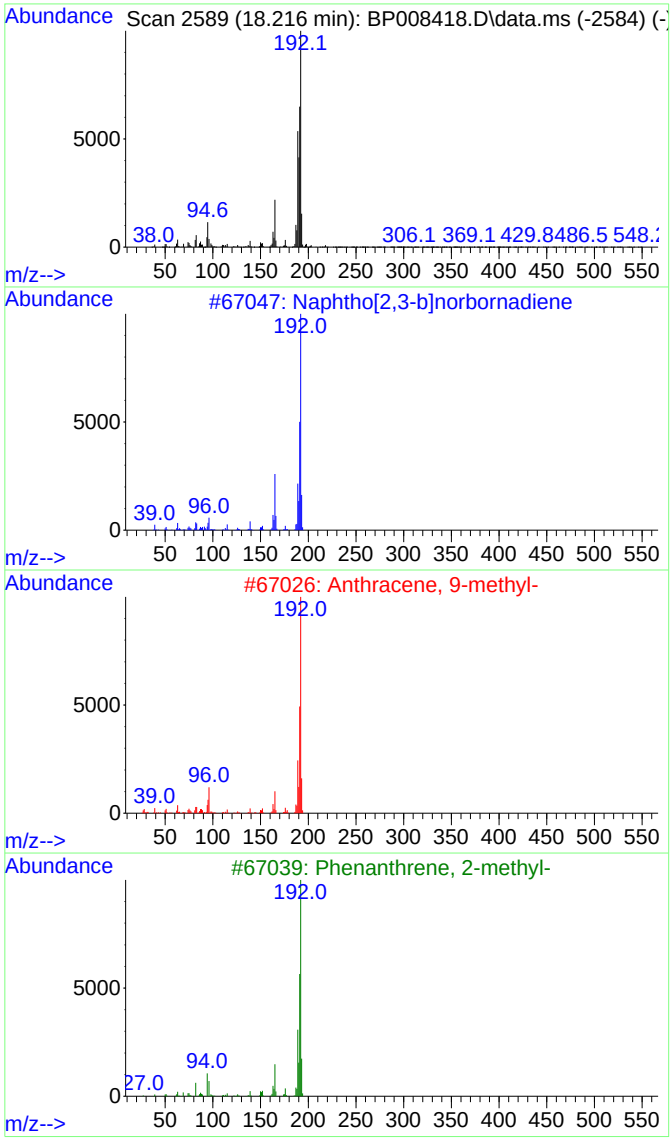
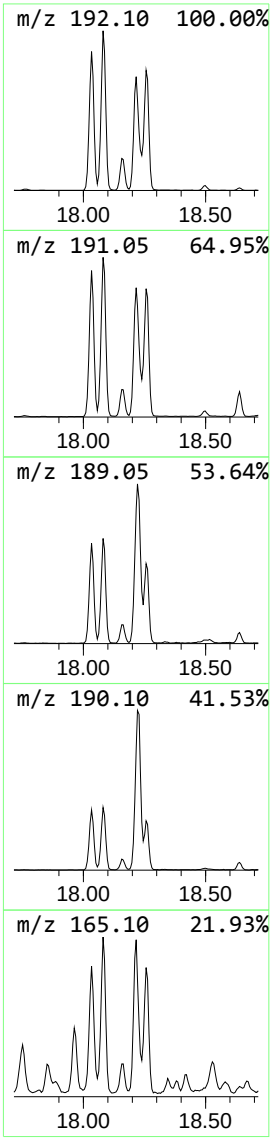
Peak Number 11 Naphtho[2,3-b]norbornadiene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.216	50.44 ng	2186670	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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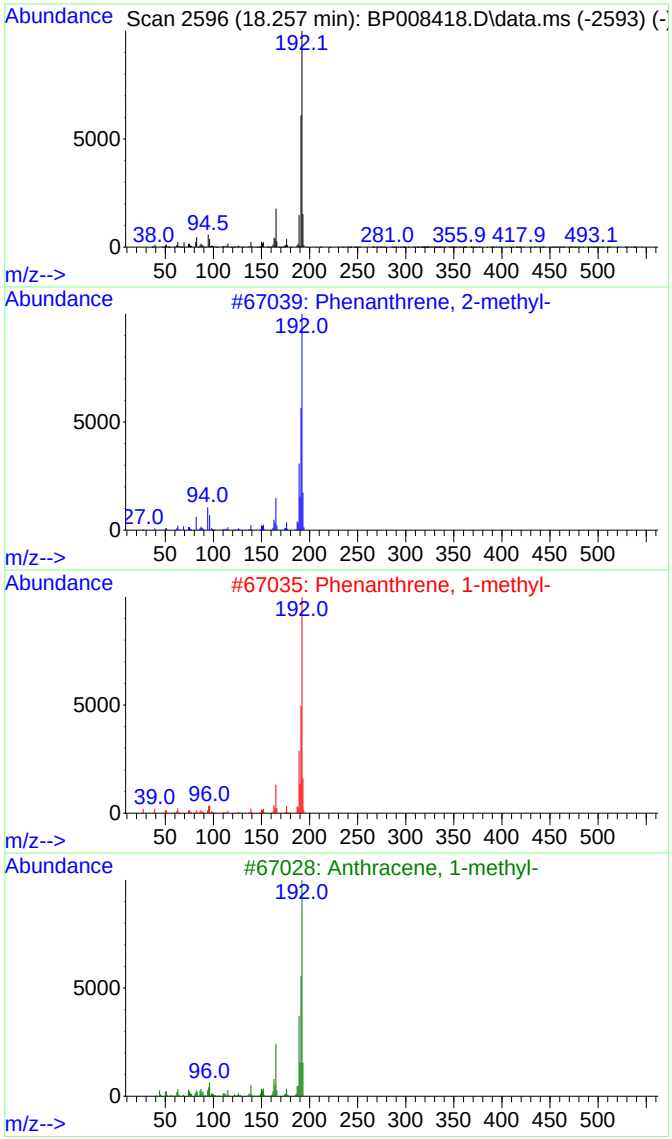
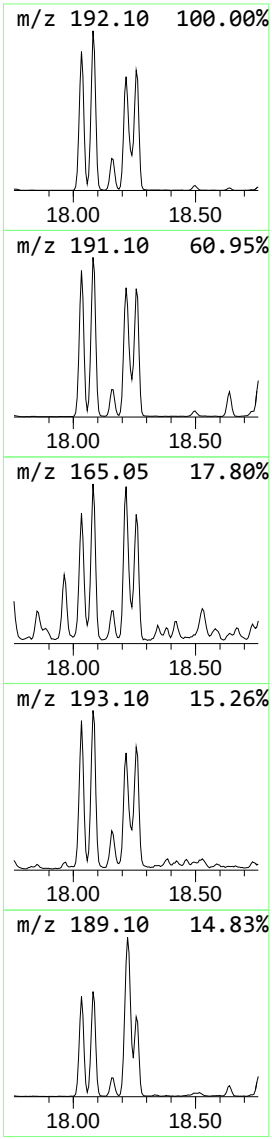
Peak Number 12 1H-Indene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.257	31.96 ng	1385510	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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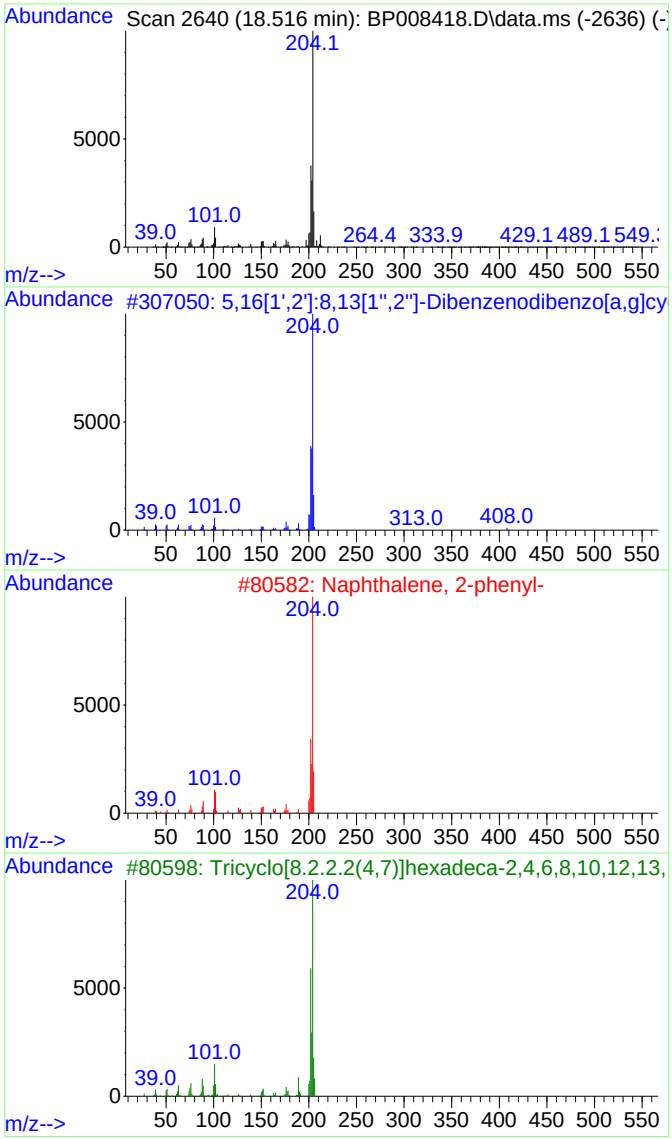
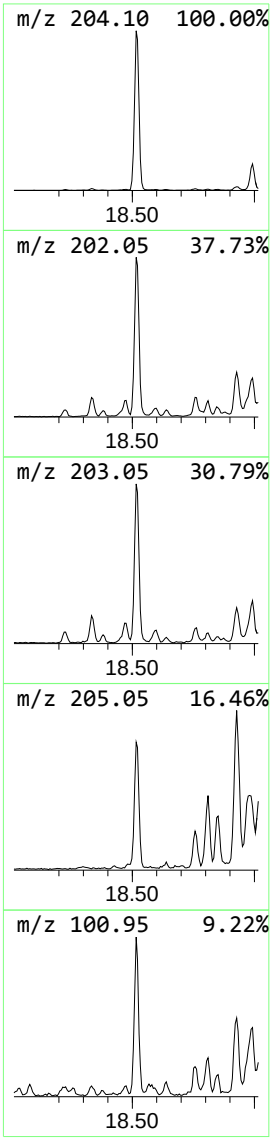
Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.516	18.08 ng	783808	Phenanthrene-d10	17.157

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	89
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	64
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58





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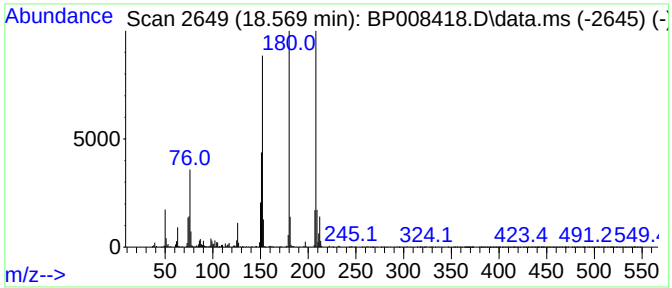
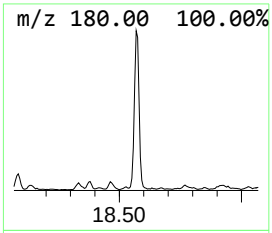
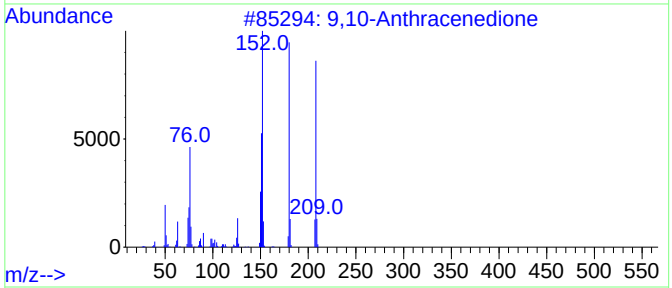
Peak Number 14 9,10-Anthracenedione Concentration Rank 10

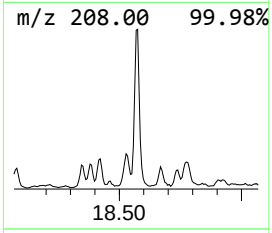
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.569	15.99 ng	693009	Phenanthrene-d10	17.157

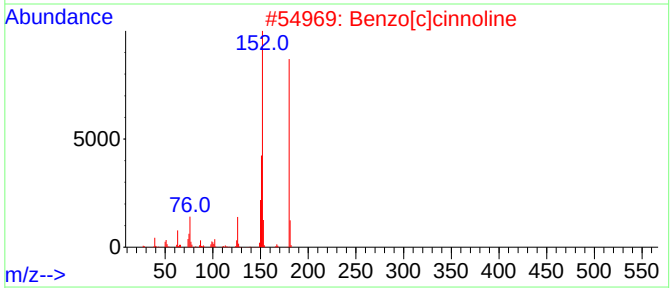
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53

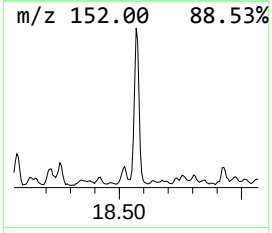


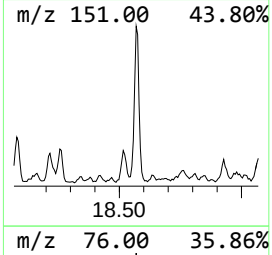


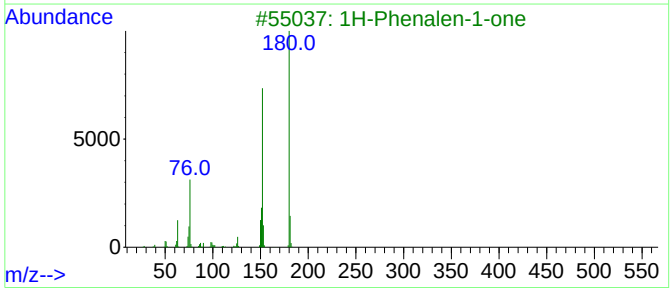


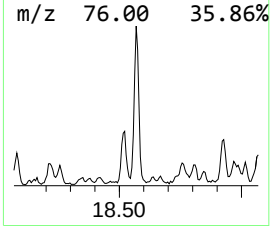












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008418.D
Acq On : 15 Dec 2021 15:49
Operator : CG/JU
Sample : M5076-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

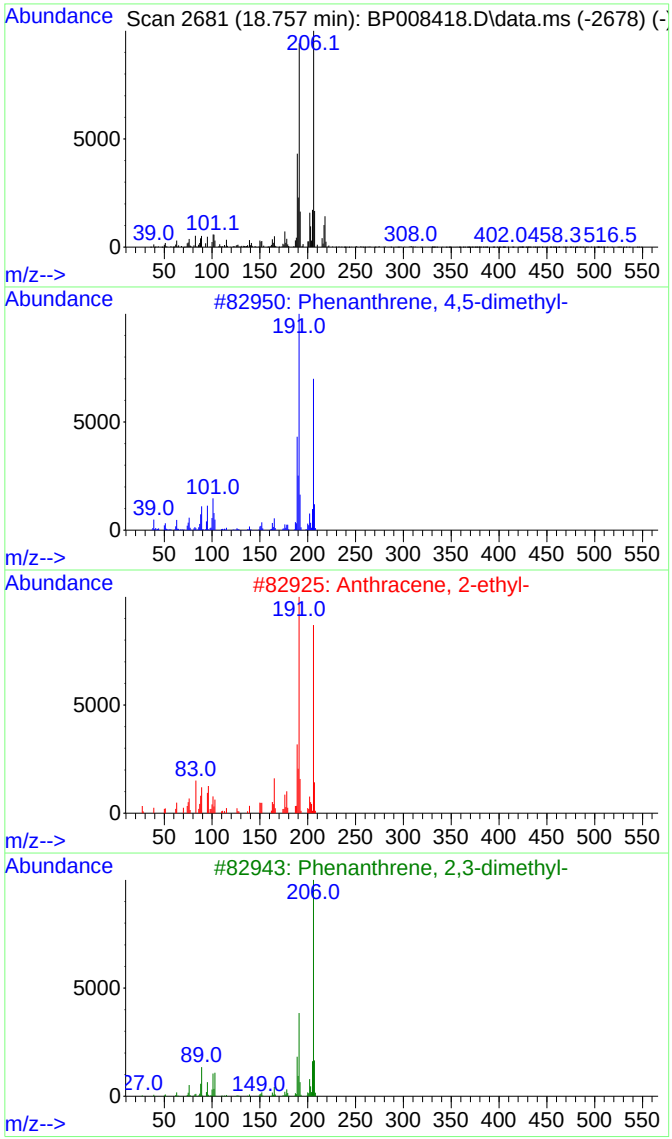
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

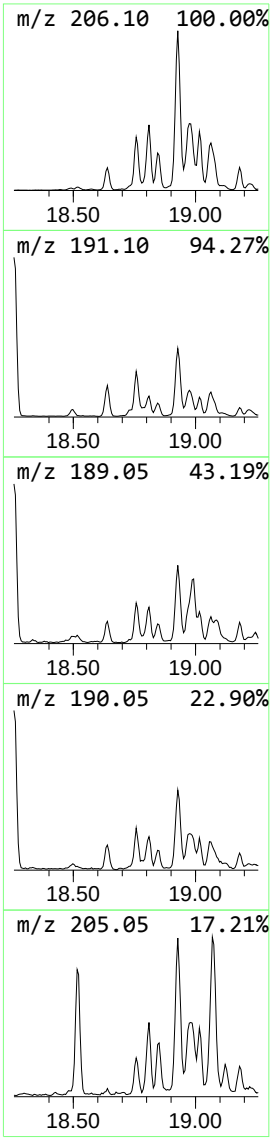
****

Peak Number 15 Phenanthrene, 4,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.757	6.93 ng	300353	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008418.D
Acq On : 15 Dec 2021 15:49
Operator : CG/JU
Sample : M5076-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

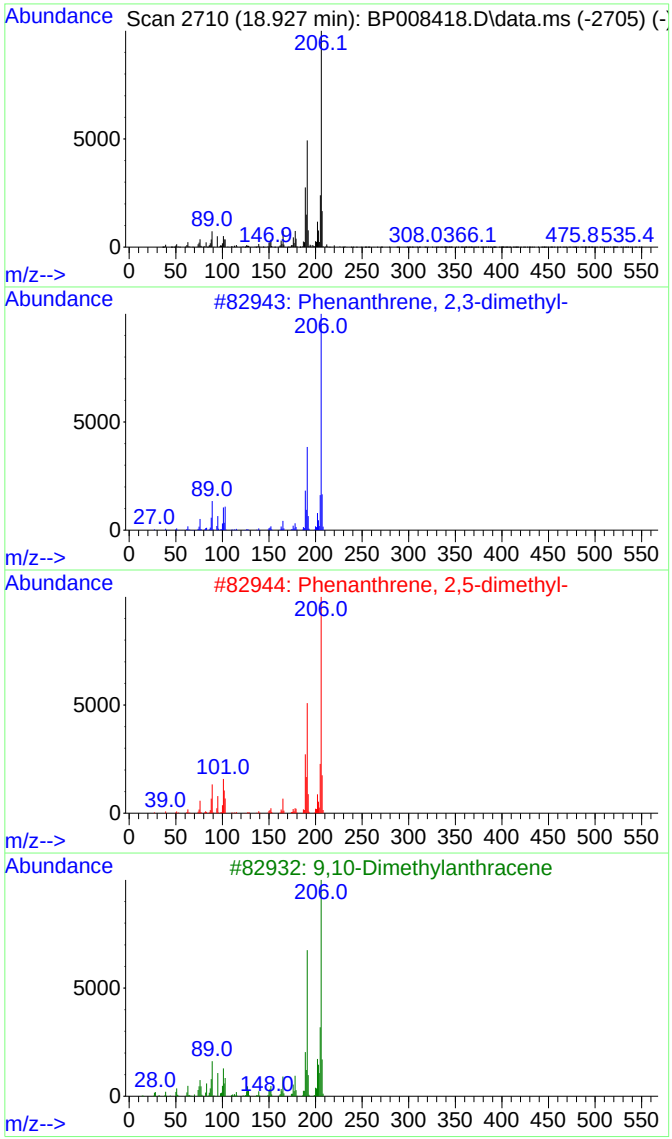
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

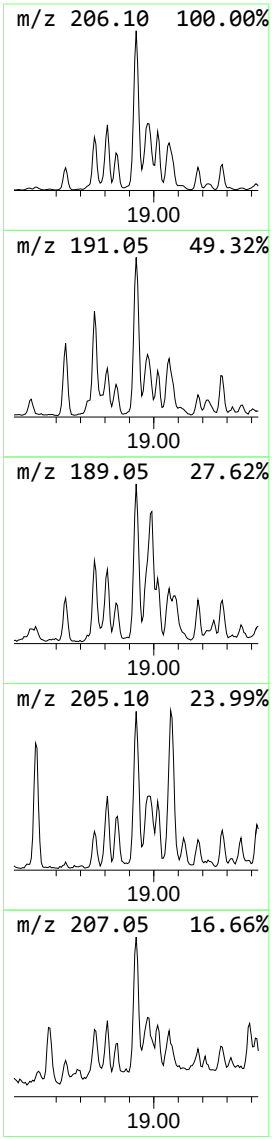
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phenanthrene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.927	21.50 ng	931896	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008418.D
Acq On : 15 Dec 2021 15:49
Operator : CG/JU
Sample : M5076-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

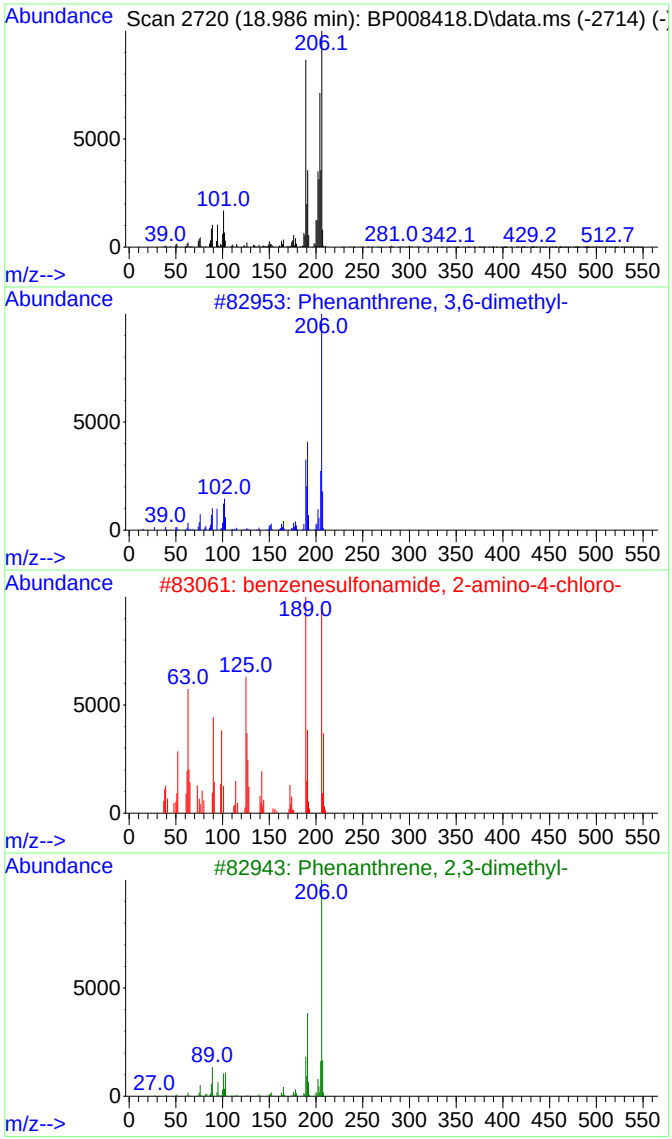
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

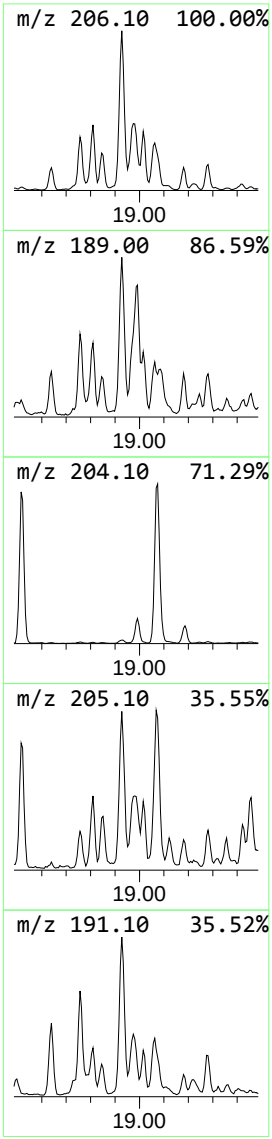
****

Peak Number 17 unknown18.986 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.986	11.35 ng	491907	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	45
2	benzenesulfonamide, 2-amino-4-ch...	206	C6H7ClN2O2S	1000400-53-5	43
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	38
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008418.D
Acq On : 15 Dec 2021 15:49
Operator : CG/JU
Sample : M5076-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

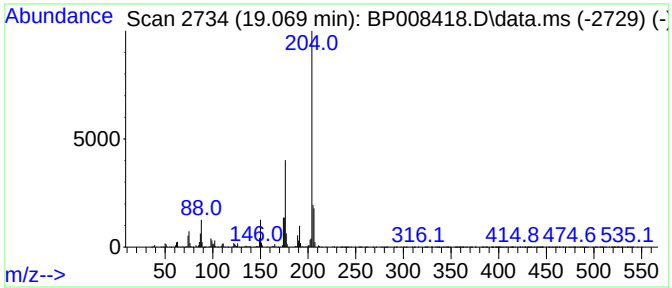
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

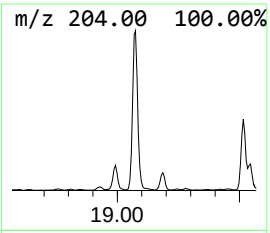
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

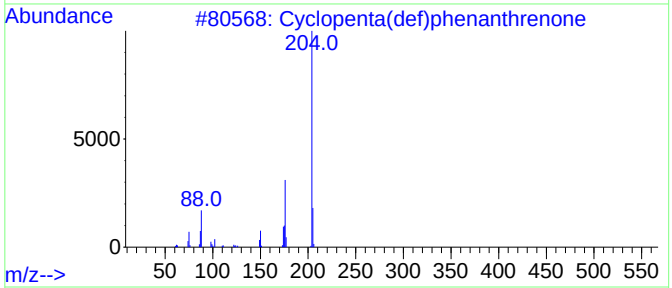
****
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 5

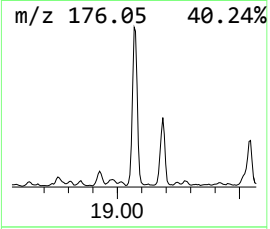
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.069	26.88 ng	1165210	Phenanthrene-d10	17.157

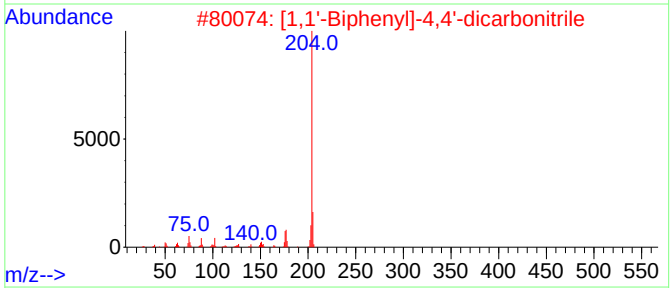
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3	.alpha.-L-Galactopyranoside, met...	394	C16H38O5Si3	056271-60-4	43
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43

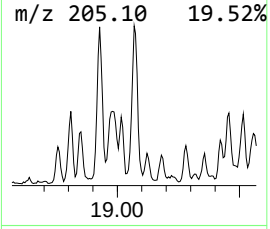


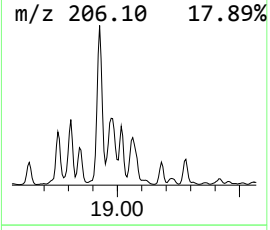


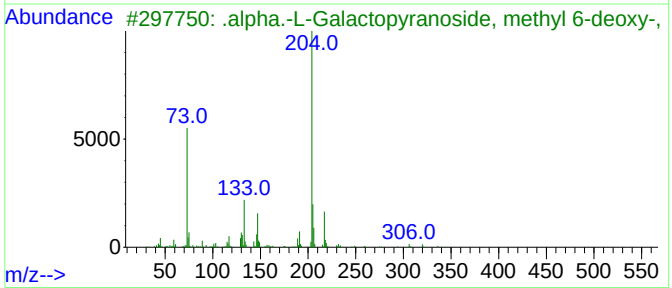


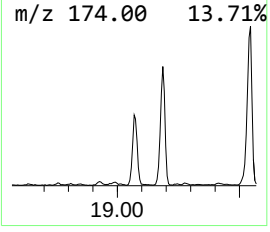












Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008418.D
Acq On : 15 Dec 2021 15:49
Operator : CG/JU
Sample : M5076-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.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
2-Pentanone, 4-...	4.875	6.8	ng	139486	1	7.746	410888	20.0
Naphthalene, 1,...	13.557	8.2	ng	326004	3	14.398	797907	20.0
Naphthalene, 1,...	13.716	11.0	ng	440189	3	14.398	797907	20.0
Naphthalene, 1,...	13.769	6.4	ng	256800	3	14.398	797907	20.0
Naphtho[2,3-b]t...	16.975	12.2	ng	528110	4	17.157	867012	20.0
Dibenzo[a,e]cyc...	17.680	6.4	ng	278521	4	17.157	867012	20.0
2-Methyldibenzo...	17.745	10.9	ng	470568	4	17.157	867012	20.0
Phenanthrene, 2...	18.033	38.9	ng	1684970	4	17.157	867012	20.0
Phenanthrene, 1...	18.080	43.2	ng	1874100	4	17.157	867012	20.0
Anthracene, 2-m...	18.157	8.8	ng	381238	4	17.157	867012	20.0
Naphtho[2,3-b]n...	18.216	50.4	ng	2186670	4	17.157	867012	20.0
1H-Indene, 2-ph...	18.257	32.0	ng	1385510	4	17.157	867012	20.0
5,16[1',2']:8,1...	18.516	18.1	ng	783808	4	17.157	867012	20.0
9,10-Anthracene...	18.569	16.0	ng	693009	4	17.157	867012	20.0
Phenanthrene, 4...	18.757	6.9	ng	300353	4	17.157	867012	20.0
Phenanthrene, 2...	18.927	21.5	ng	931896	4	17.157	867012	20.0
unknown18.986	18.986	11.4	ng	491907	4	17.157	867012	20.0
Cyclopenta(def)...	19.069	26.9	ng	1165210	4	17.157	867012	20.0