LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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: BP008417.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	332	rVB	244020	351383	2.43%	0.262%
2	5.346	395	401	426	rBV	441033	732189	5.06%	0.546%
3	6.940	666	672	696	rBV	436060	884698	6.11%	0.660%
4	7.740	802	808	820	rBV	210340	350676	2.42%	0.262%
5	8.911	999	1007	1023	rBV	326897	616420	4.26%	0.460%
6	10.540	1276	1284	1290	rBV	254699	452491	3.13%	0.338%
7	12.210	1560	1568	1576	rBV	134318	220591	1.52%	0.165%
8	12.428	1595	1605	1617	rBV	121400	212363	1.47%	0.158%
9	13.016	1694	1705	1716	rBV	813248	1240469	8.57%	0.925%
10	13.716	1817	1824	1829	rBV	234586	409397	2.83%	0.305%
11	13.769	1829	1833	1843	rVB	149169	240157	1.66%	0.179%
12	13.951	1856	1864	1868	rBV	143684	237812	1.64%	0.177%
13	14.393	1928	1939	1945	rBV2	420888	723100	5.00%	0.539%
14	14.457	1945	1950	1959	rVV	268047	445996	3.08%	0.333%
15	14.610	1970	1976	1984	rBV3	89937	224697	1.55%	0.168%
16	14.798	2002	2008	2015	rVB	174700	303063	2.09%	0.226%
17	14.875	2015	2021	2026	rBV	154822	224779	1.55%	0.168%
18	15.022	2040	2046	2050	rBV	139150	241910	1.67%	0.180%
19	15.187	2067	2074	2078	rBV2	116808	261872	1.81%	0.195%
20	15.451	2113	2119	2123	rBV2	227712	380366	2.63%	0.284%
21	15.575	2137	2140	2143	rVV2	167927	216402	1.50%	0.161%
22	15.745	2165	2169	2178	rVB2	118981	292065	2.02%	0.218%
23	15.904	2191	2196	2202	rVB	420172	654327	4.52%	0.488%
24	16.140	2230	2236	2247	rVB6	157349	339005	2.34%	0.253%
25	16.822	2347	2352	2358	rVB	388192	601031	4.15%	0.448%
26	16.892	2360	2364	2373	rVV7	88493	250516	1.73%	0.187%
27	16.975	2373	2378	2387	rVB	478960	743345	5.14%	0.554%
28	17.163	2405	2410	2412	rBV	499309	703458	4.86%	0.525%
29	17.210	2412	2418	2423	rVV	5266995	7756199	53.59%	5.785%
30	17.292	2427	2432	2438	rVB	842581	1219478	8.43%	0.910%
31	17.487	2461	2465	2469	rVB	152260	219688	1.52%	0.164%
32	17.681	2494	2498	2502	rVB	376374	479178	3.31%	0.357%
33	17.745	2504	2509	2517	rVB2	500843	822008	5.68%	0.613%
34	17.886	2529	2533	2538	rVB	213154	385415	2.66%	0.287%
35	17.963	2541	2546	2550	rBV2	215515	337617	2.33%	0.252%
36	18.034	2553	2558	2562	rVV	1547060	2184911	15.10%	1.630%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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	18.081	2562	2566	2572	rVB	1901508	2608818	18.02%	1.946%
38	18.163	2575	2580	2584	rBV	397714	512057	3.54%	0.382%
39	18.222	2584	2590	2594	rBV2	2081849	3542055	24.47%	2.642%
40	18.263	2594	2597	2602	rVB	1527335	1867931	12.91%	1.393%
41	18.339	2606	2610	2615	rBV4	201284	349422	2.41%	0.261%
42	18.422	2620	2624	2627	rBV	198615	246915	1.71%	0.184%
43	18.522	2636	2641	2645	rBV	962278	1276972	8.82%	0.952%
44	18.575	2645	2650	2657	rVB	1153307	1679939	11.61%	1.253%
45	18.639	2657	2661	2664	rBV	218305	254137	1.76%	0.190%
46	18.733	2673	2677	2678	rBV	186952	217291	1.50%	0.162%
47	18.757	2678	2681	2685	rVV2	507405	742933	5.13%	0.554%
48	18.810	2687	2690	2693	rVV	448037	570899	3.94%	0.426%
49	18.851	2693	2697	2700	rVB2	295561	377164	2.61%	0.281%
50	18.928	2705	2710	2714	rBV	1136248	1751432	12.10%	1.306%
51	18.986	2714	2720	2723	rVV2	480370	1083435	7.49%	0.808%
52	19.016	2723	2725	2729	rVB	324934	380722	2.63%	0.284%
53	19.075	2729	2735	2741	rBV2	1268360	2006659	13.86%	1.497%
54	19.192	2746	2755	2760	rVV	5816065	8283018	57.23%	6.178%
55	19.245	2760	2764	2767	rVV	380301	508870	3.52%	0.380%
56	19.281	2767	2770	2776	rVB4	415915	604184	4.17%	0.451%
57	19.392	2785	2789	2792	rBV2	400223	526989	3.64%	0.393%
58	19.422	2792	2794	2797	rVV2	291090	311627	2.15%	0.232%
59	19.551	2806	2816	2822	rBV	9168648	14474166	100.00%	10.796%
60	19.610	2822	2826	2832	rVB3	444822	675340	4.67%	0.504%
61	19.733	2843	2847	2851	rVB	1576376	1733679	11.98%	1.293%
62	19.769	2851	2853	2858	rVB2	297074	382631	2.64%	0.285%
63	19.863	2862	2869	2879	rBV3	919575	2294042	15.85%	1.711%
64	19.992	2886	2891	2894	rBV3	823117	1605006	11.09%	1.197%
65	20.122	2910	2913	2917	rVB2	280407	327688	2.26%	0.244%
66	20.180	2918	2923	2927	rBV	1594038	1954114	13.50%	1.458%
67	20.316	2942	2946	2950	rBV	1220643	1516630	10.48%	1.131%
68	20.363	2950	2954	2957	rVV	1330978	1704670	11.78%	1.271%
69	20.410	2957	2962	2966	rVB3	375011	586322	4.05%	0.437%
70	20.522	2978	2981	2985	rVB3	215710	248779	1.72%	0.186%
71	20.669	3003	3006	3010	rVB3	217695	267564	1.85%	0.200%
72	20.763	3017	3022	3027	rVB	1711597	2087712	14.42%	1.557%
73	20.845	3033	3036	3041	rBV	191774	242201	1.67%	0.181%
74	20.916	3041	3048	3052	rBV2	1280557	2009461	13.88%	1.499%
75	20.957	3052	3055	3058	rVV	1107227	1380406	9.54%	1.030%
76	20.998	3058	3062	3065	rVV	598877	893010	6.17%	0.666%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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	21.057	3068	3072	3077	rVB	1098951	1480896	10.23%	1.105%
78	21.157	3082	3089	3092	rBV2	240565	558097	3.86%	0.416%
79	21.257	3100	3106	3111	rBV2	4635463	7550112	52.16%	5.631%
80	21.310	3111	3115	3120	rVV	4657828	5921056	40.91%	4.416%
81	21.386	3124	3128	3132	rBV2	997205	1370663	9.47%	1.022%
82	21.486	3141	3145	3149	rBV4	364420	718169	4.96%	0.536%
83	21.645	3168	3172	3176	rBV4	242793	389329	2.69%	0.290%
84	21.733	3183	3187	3191	rVB2	249191	354765	2.45%	0.265%
85	21.780	3191	3195	3198	rBV	383702	517455	3.58%	0.386%
86	21.839	3198	3205	3210	rVV	1316747	2138862	14.78%	1.595%
87	21.892	3211	3214	3220	rVB	665029	869852	6.01%	0.649%
88	21.957	3221	3225	3229	rBV2	437731	649280	4.49%	0.484%
89	22.045	3236	3240	3251	rVB2	724396	1634479	11.29%	1.219%
90	22.151	3253	3258	3266	rVB	419147	733787	5.07%	0.547%
91	22.357	3290	3293	3299	rBV4	187021	403105	2.78%	0.301%
92	22.645	3338	3342	3348	rVB	415792	774475	5.35%	0.578%
93	22.933	3383	3391	3395	rBV	2039218	5000855	34.55%	3.730%
94	23.104	3416	3420	3425	rVB	266168	424088	2.93%	0.316%
95	23.433	3470	3476	3484	rVB	1351202	2716994	18.77%	2.027%
96	23.539	3487	3494	3500	rBV	1913970	3756345	25.95%	2.802%
97	23.639	3506	3511	3516	rBV2	415755	758346	5.24%	0.566%
98	23.692	3516	3520	3529	rVB3	367803	900760	6.22%	0.672%
99	26.110	3923	3931	3942	rVB	823155	2425942	16.76%	1.809%
100	26.874	4053	4061	4073	rVB2	602090	1976519	13.66%	1.474%

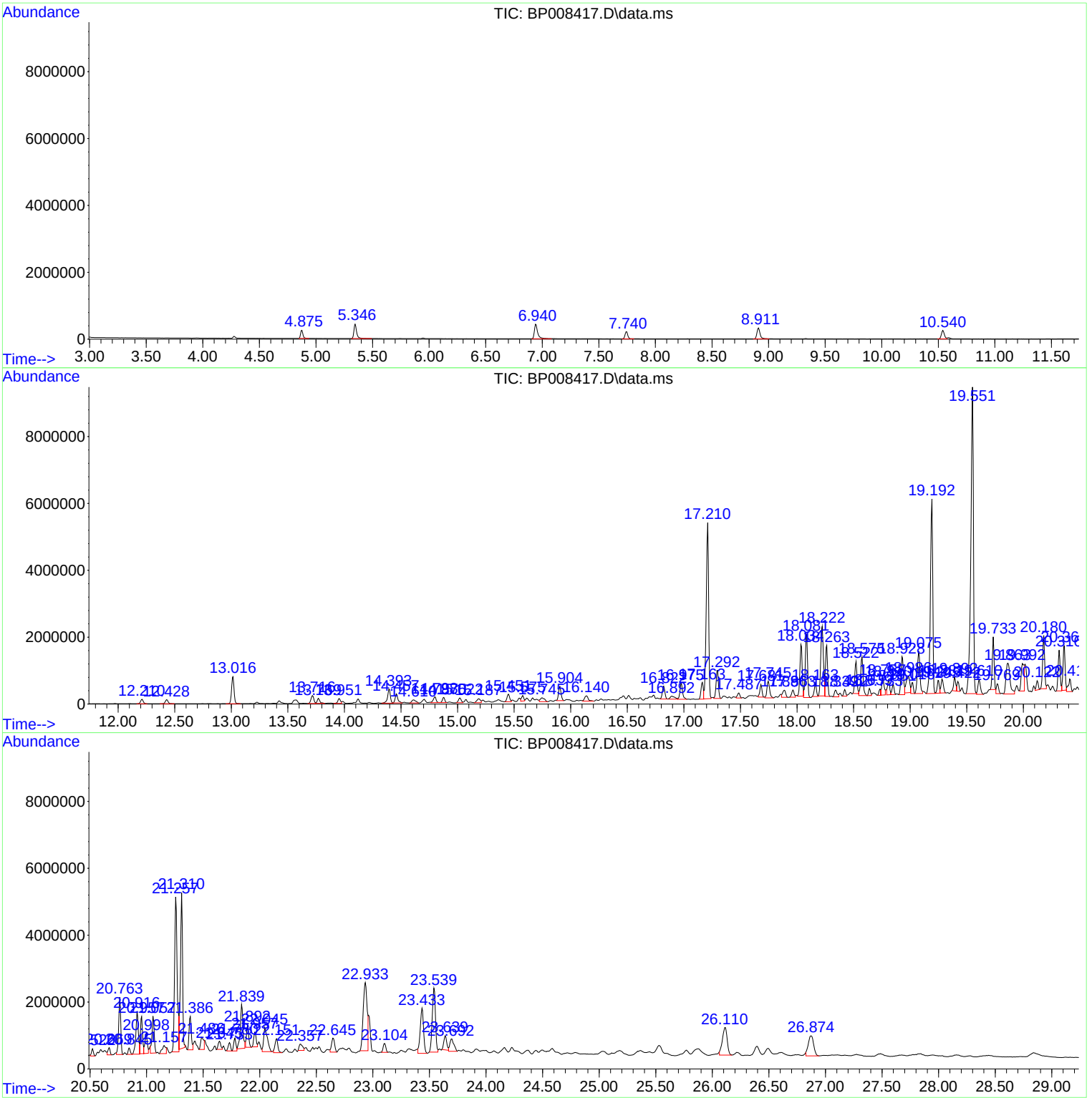
Sum of corrected areas: 134070193

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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 : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

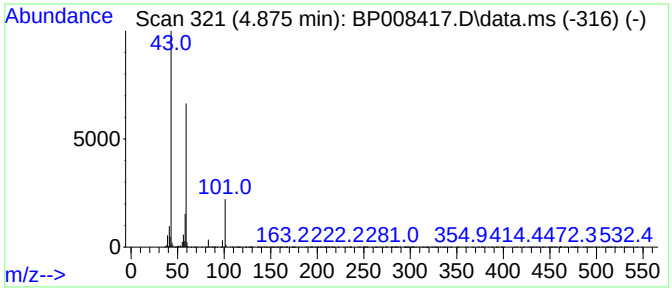
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

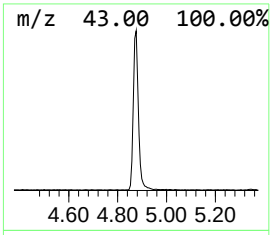
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

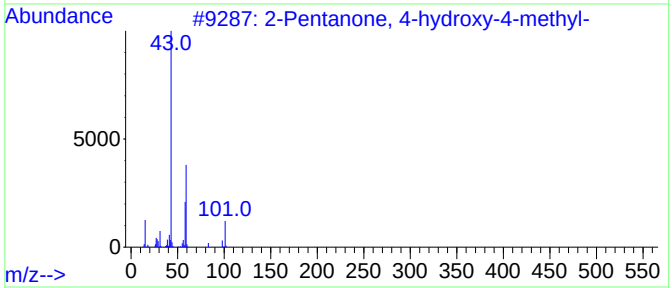
****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

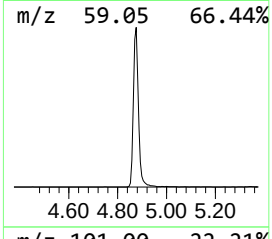
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.875	20.04 ng	351383	1,4-Dichlorobenzene-d4	7.746

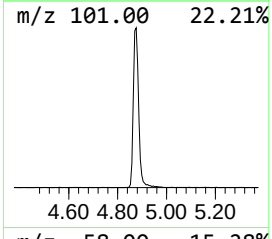
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	3-Octanol	130	C8H18O	000589-98-0	36
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	25
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9

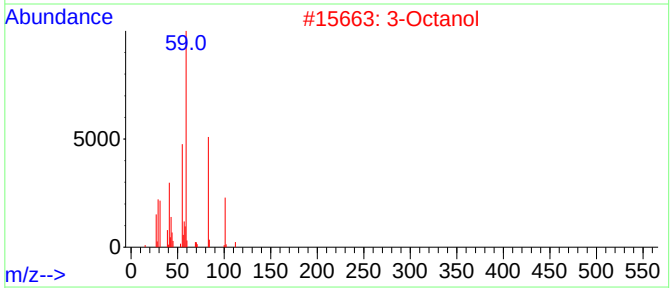


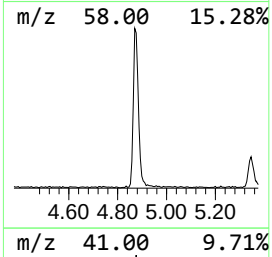


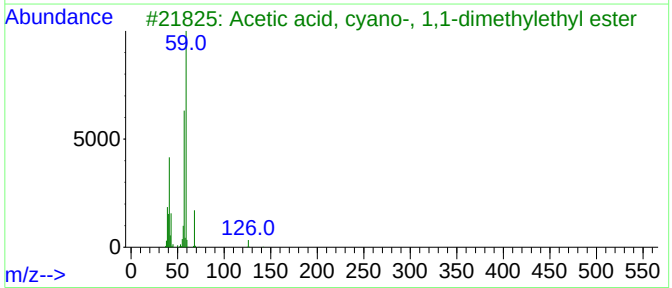


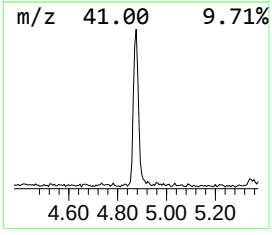












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

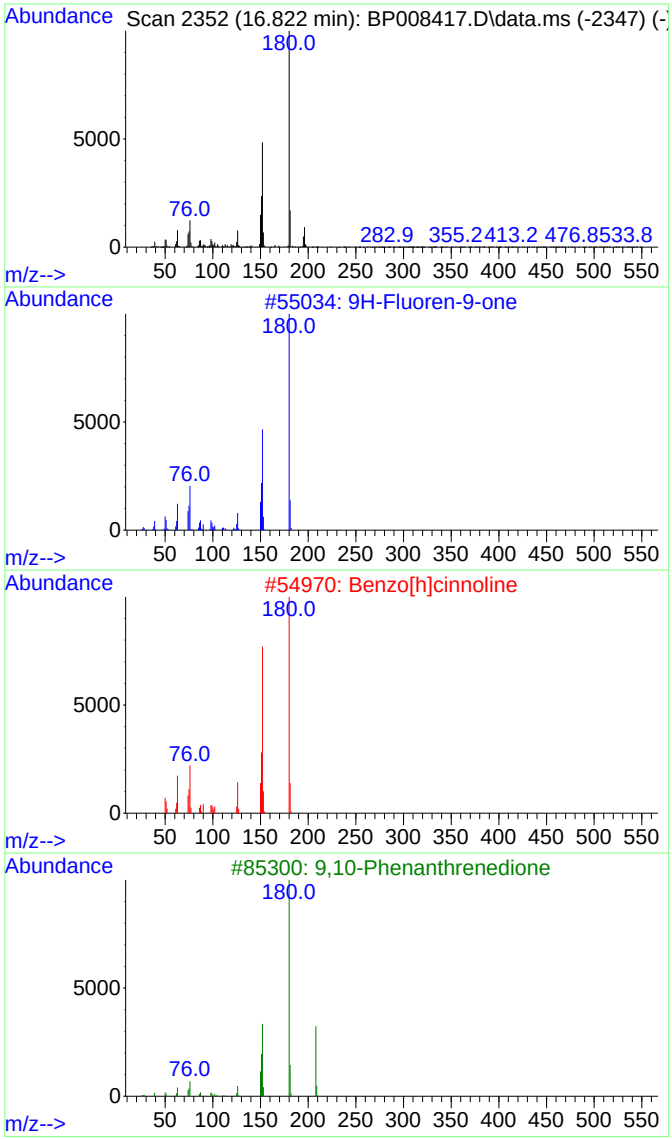
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

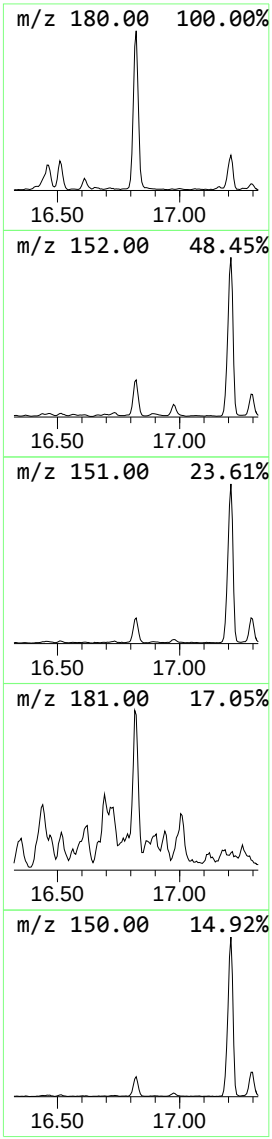
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.822	17.09 ng	601031	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
5	Diphenic anhydride	224	C14H8O3	006050-13-1	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

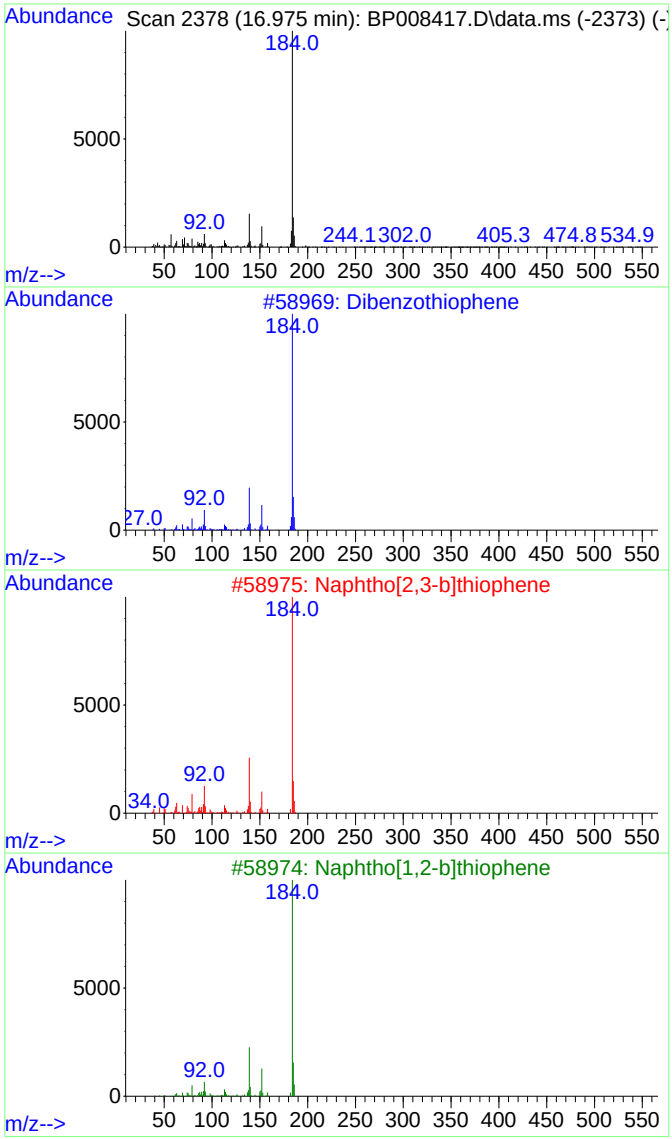
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

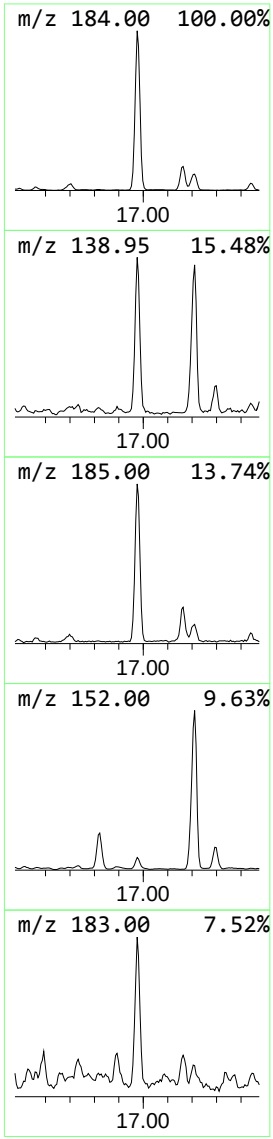
****

Peak Number 3 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.975	21.13 ng	743345	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	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





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

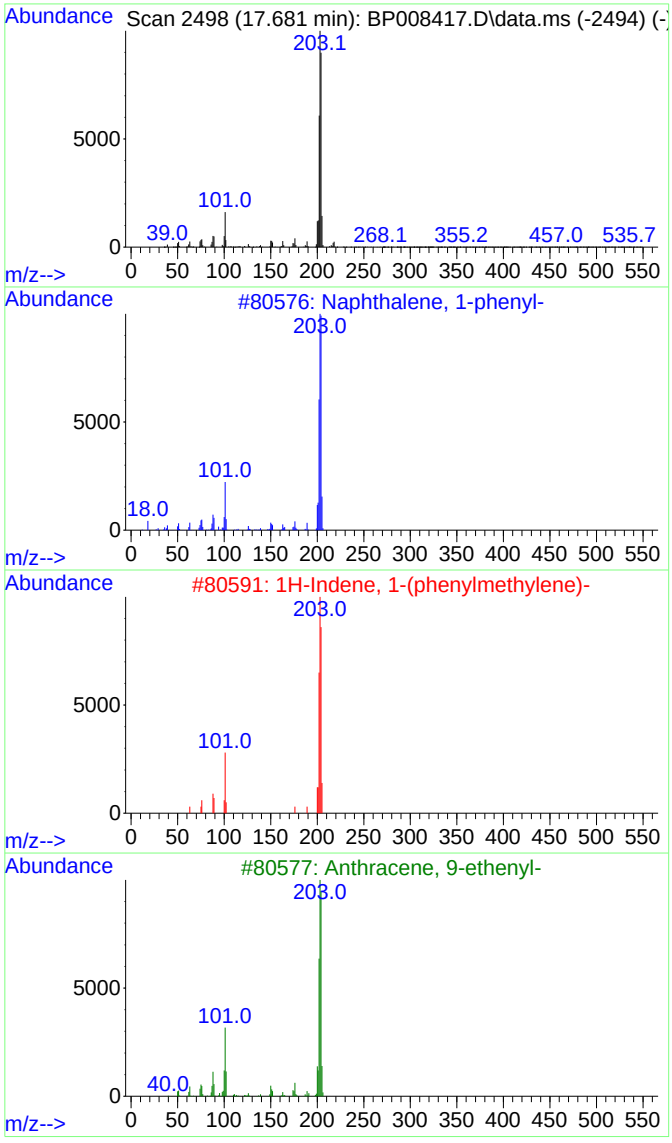
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

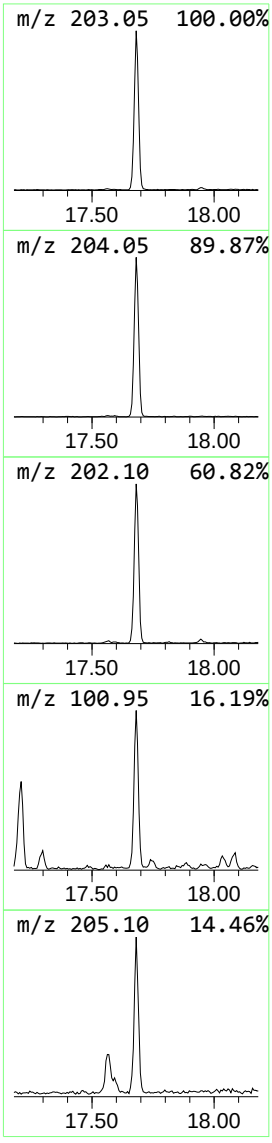
****

Peak Number 4 Naphthalene, 1-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.681	13.62 ng	479178	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	96
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	90
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	90
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	81
5	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

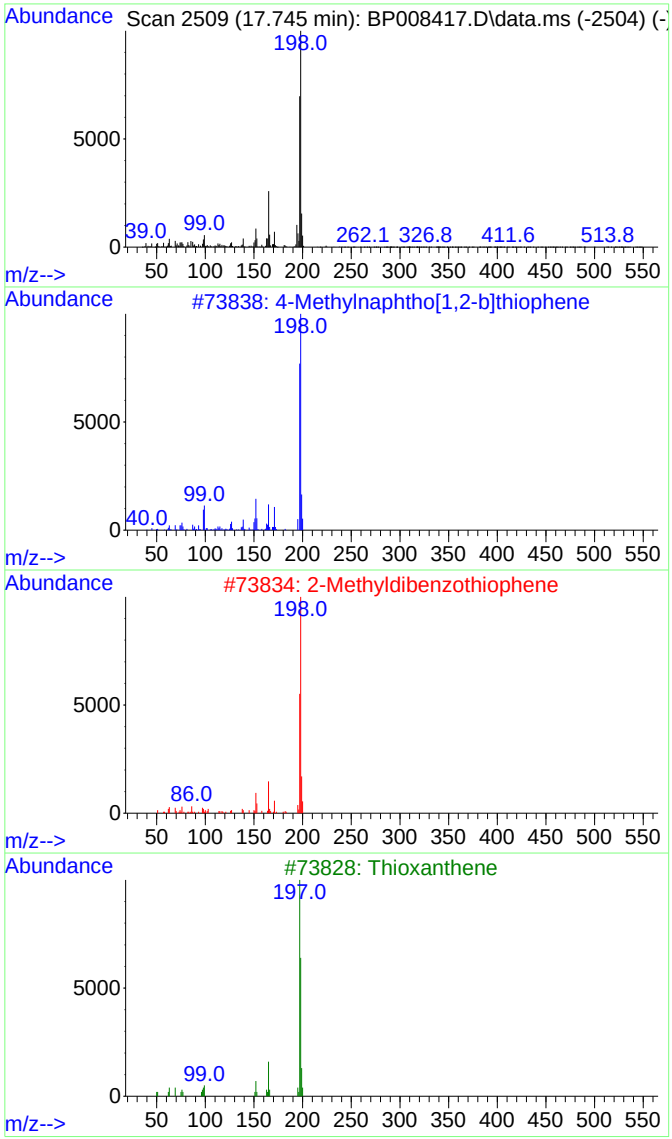
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

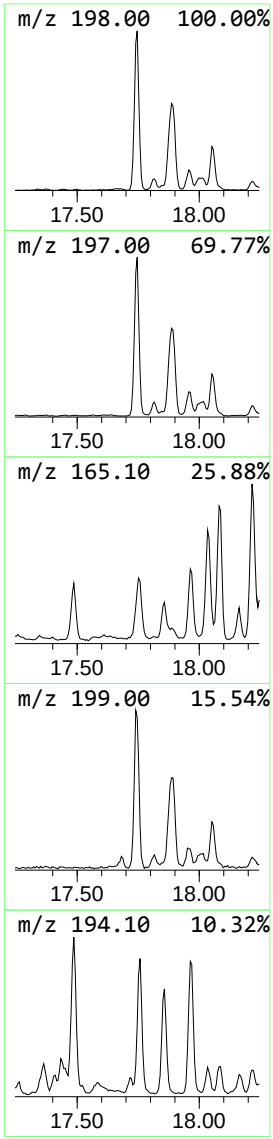
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.745	23.37 ng	822008	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	95
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
3	Thioxanthene	198	C13H10S	000261-31-4	83
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

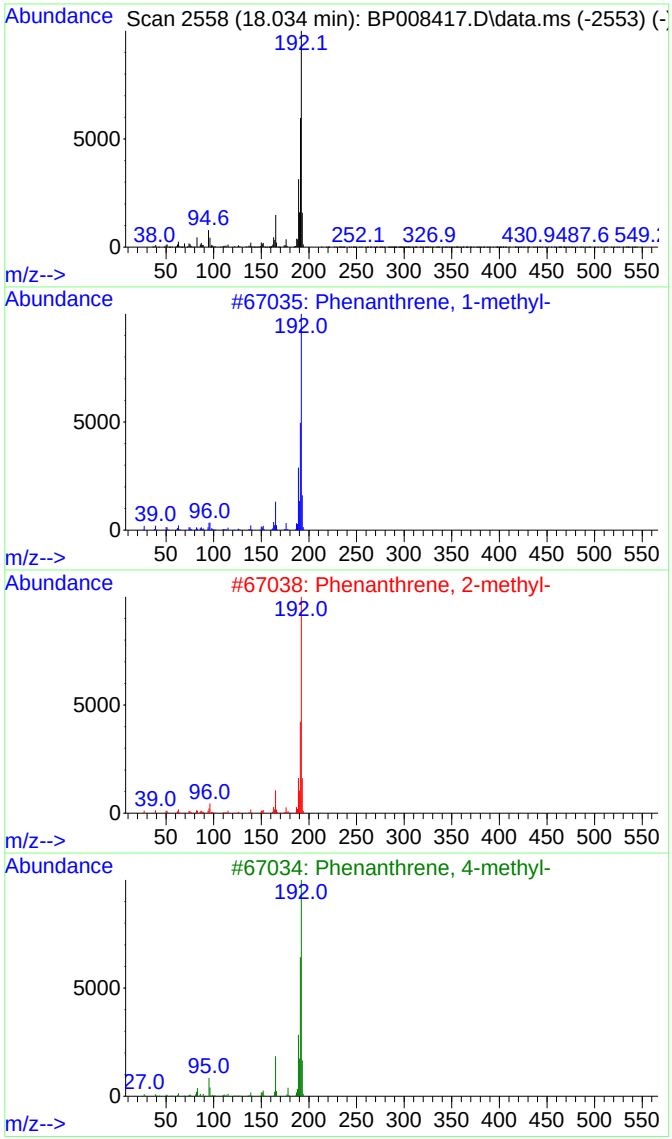
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

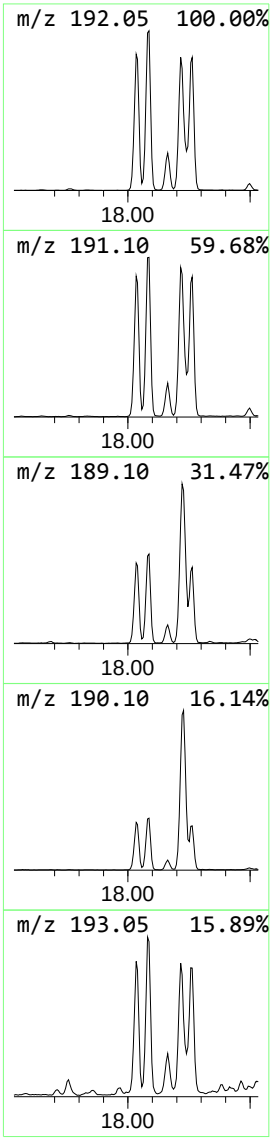
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.034	62.12 ng	2184910	Phenanthrene-d10	17.163

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	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

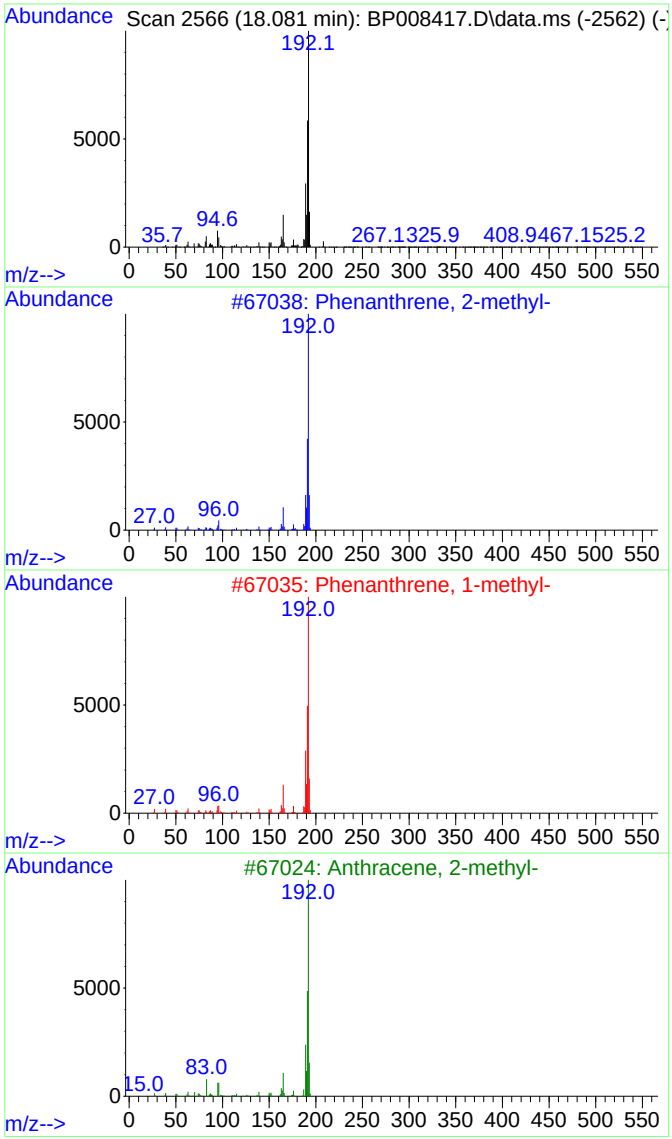
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

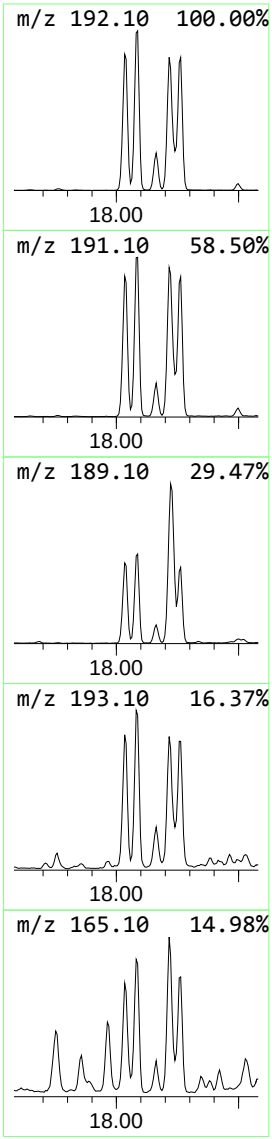
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.081	74.17 ng	2608820	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

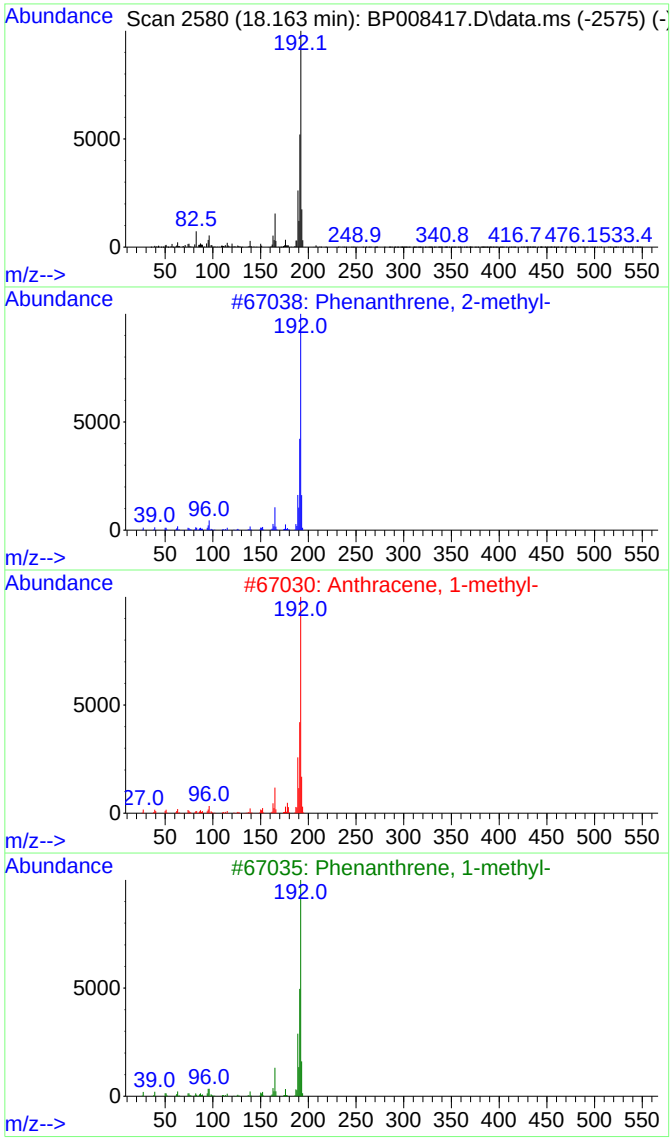
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

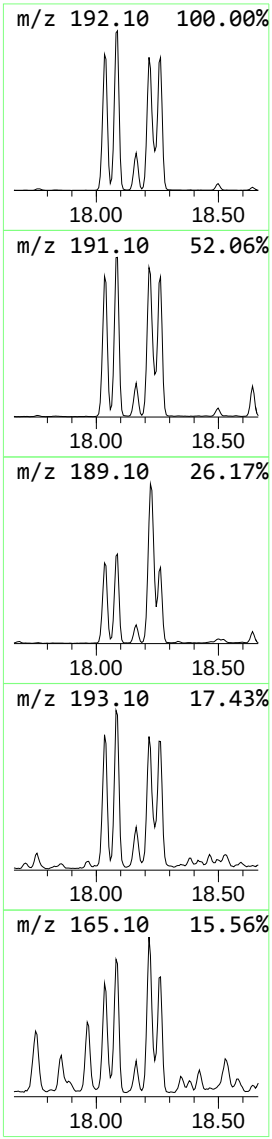
****

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.163	14.56 ng	512057	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
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	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

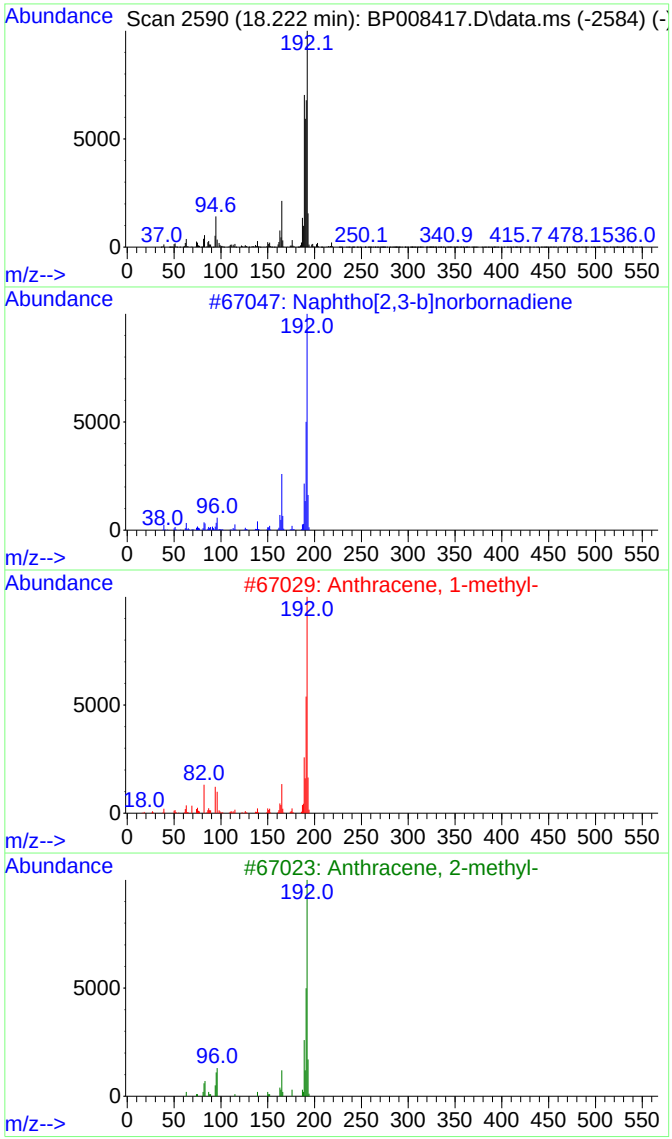
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

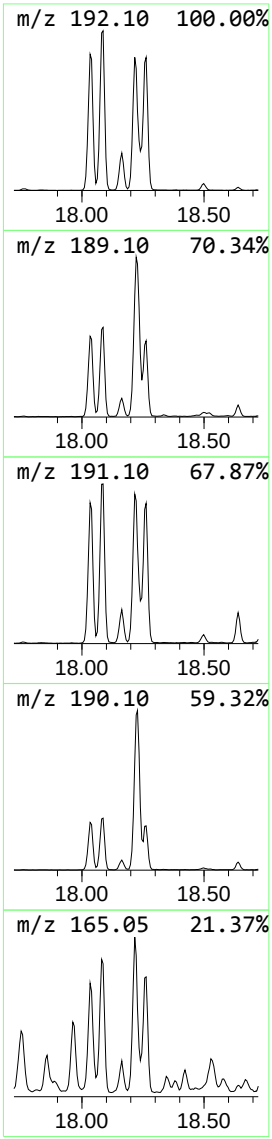
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphtho[2,3-b]norbornadiene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.222	100.70 ng	3542060	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	55
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

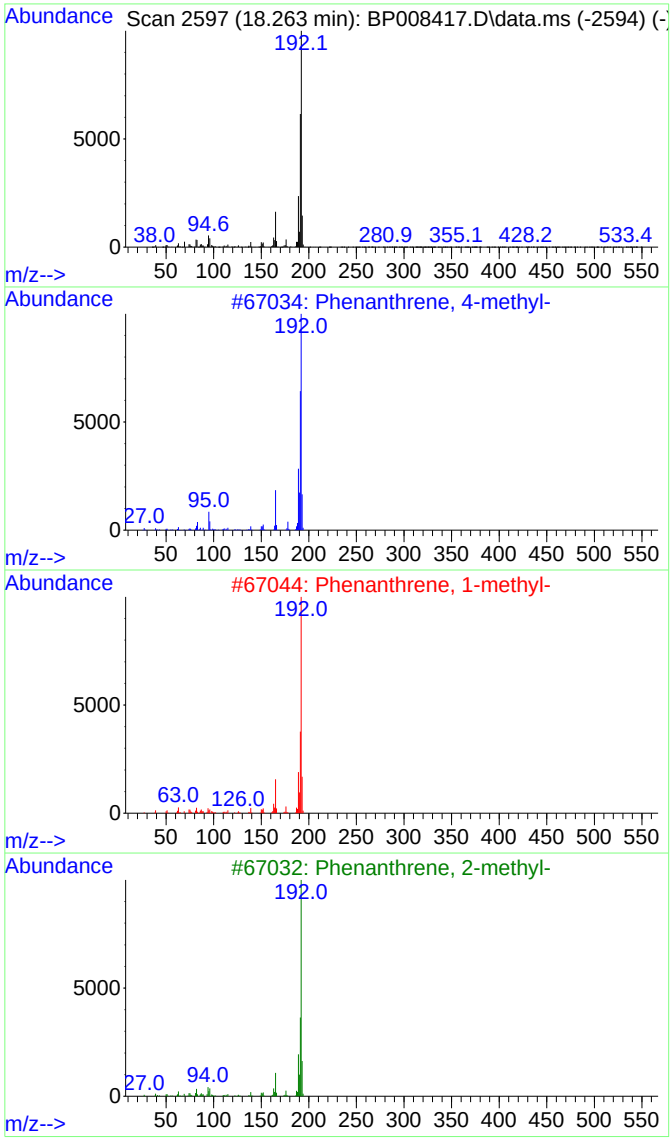
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

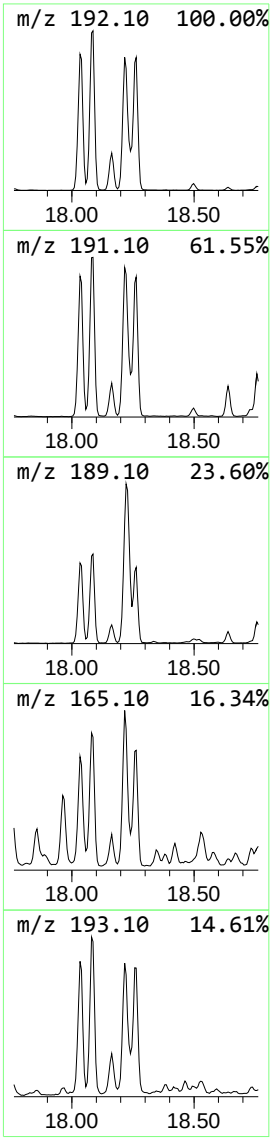
****

Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.263	53.11 ng	1867930	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

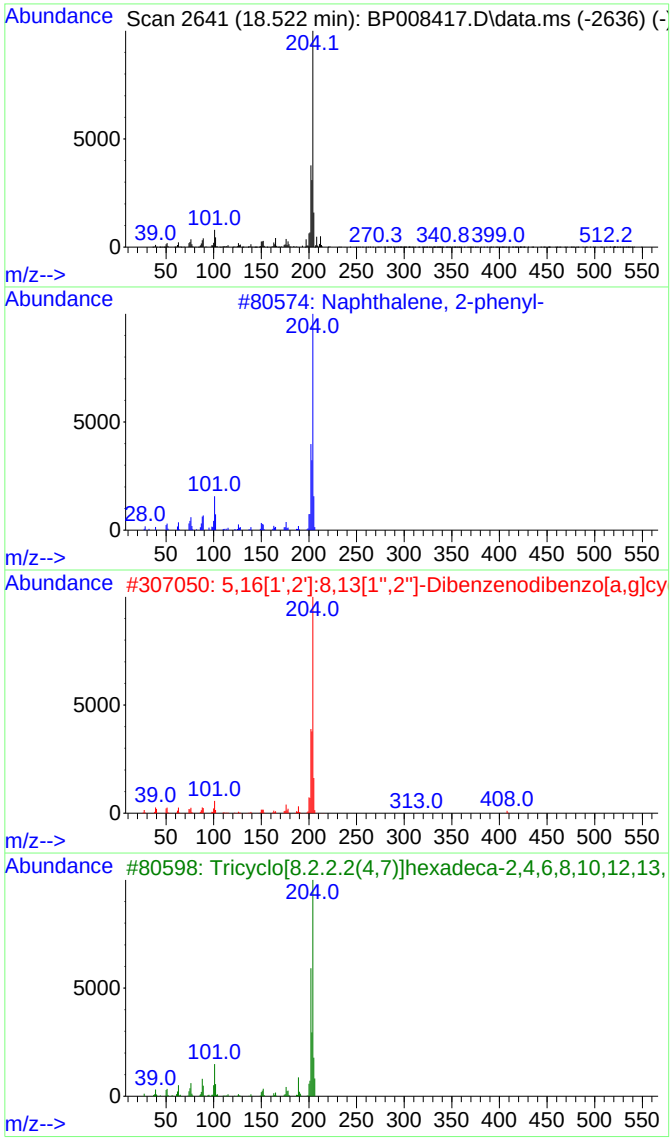
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

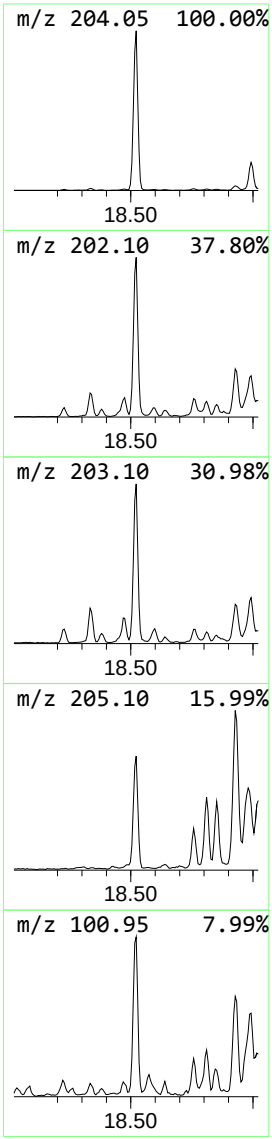
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.522	36.31 ng	1276970	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

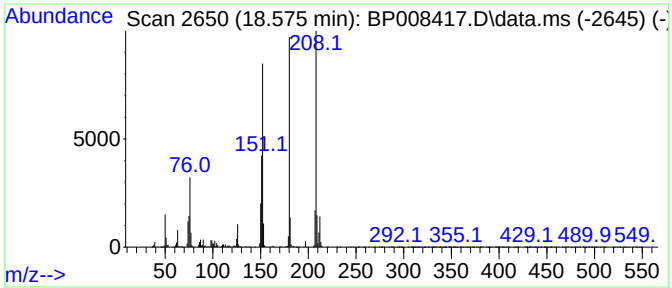
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

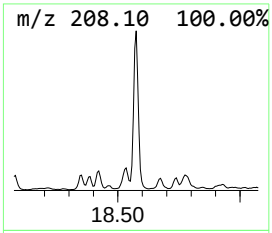
****

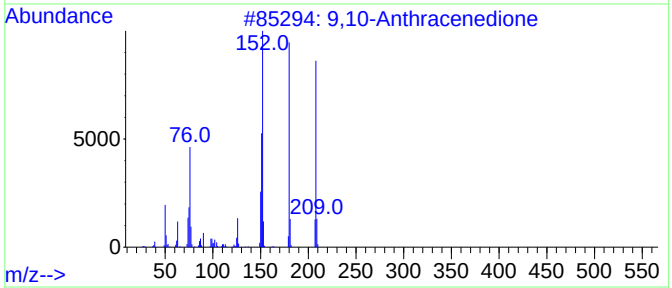
Peak Number 12 9,10-Anthracenedione Concentration Rank 8

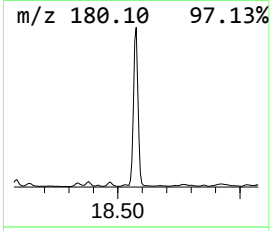
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.575	47.76 ng	1679940	Phenanthrene-d10	17.163

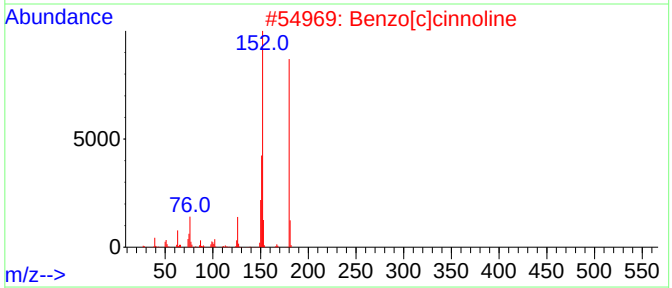
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55

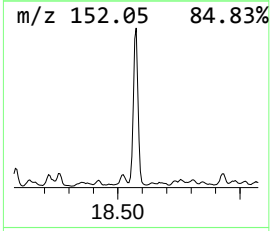


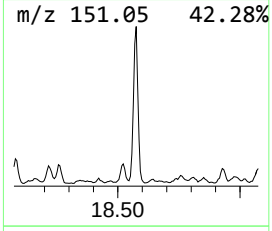


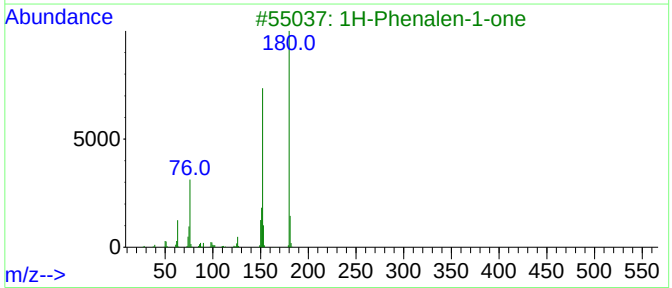


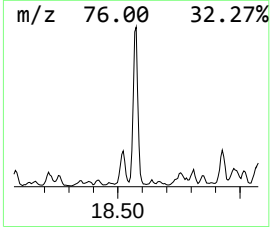












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

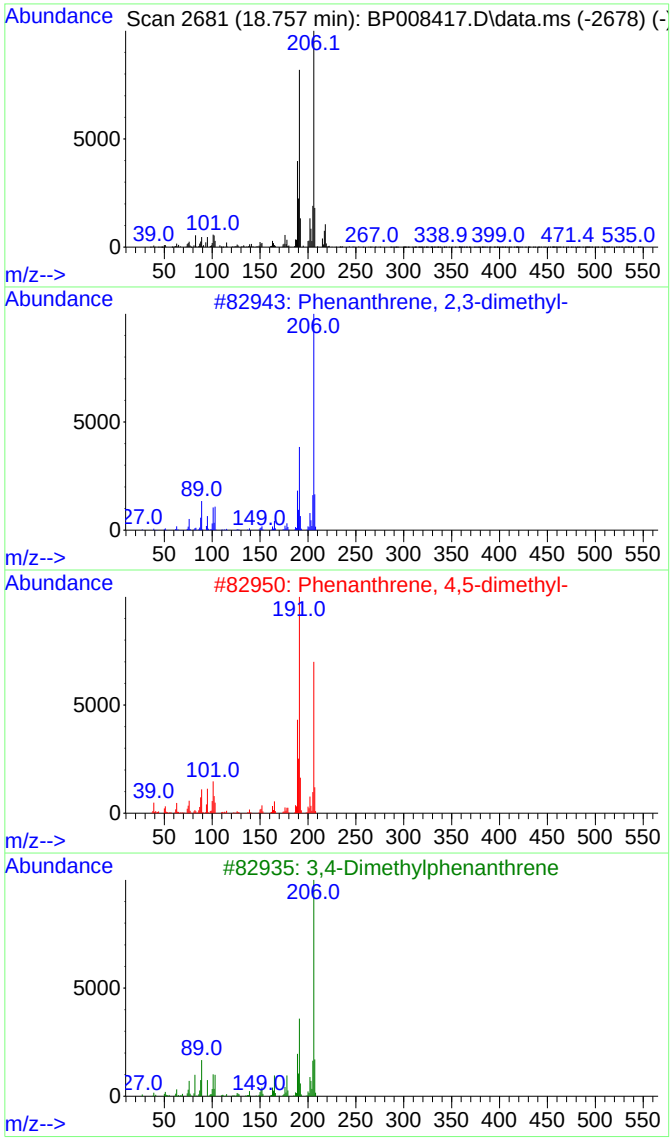
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

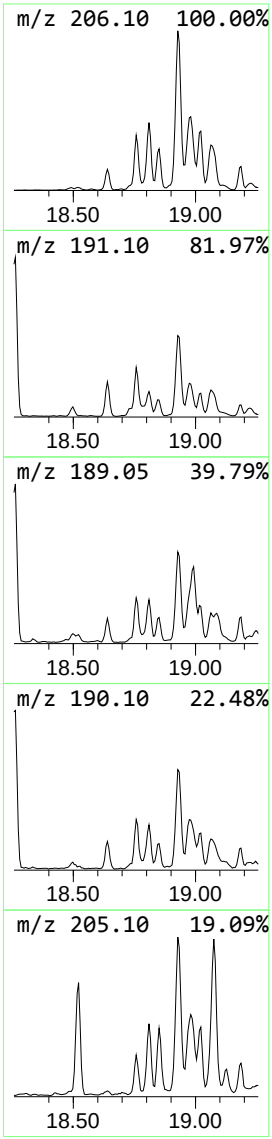
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.757	21.12 ng	742933	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	76
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

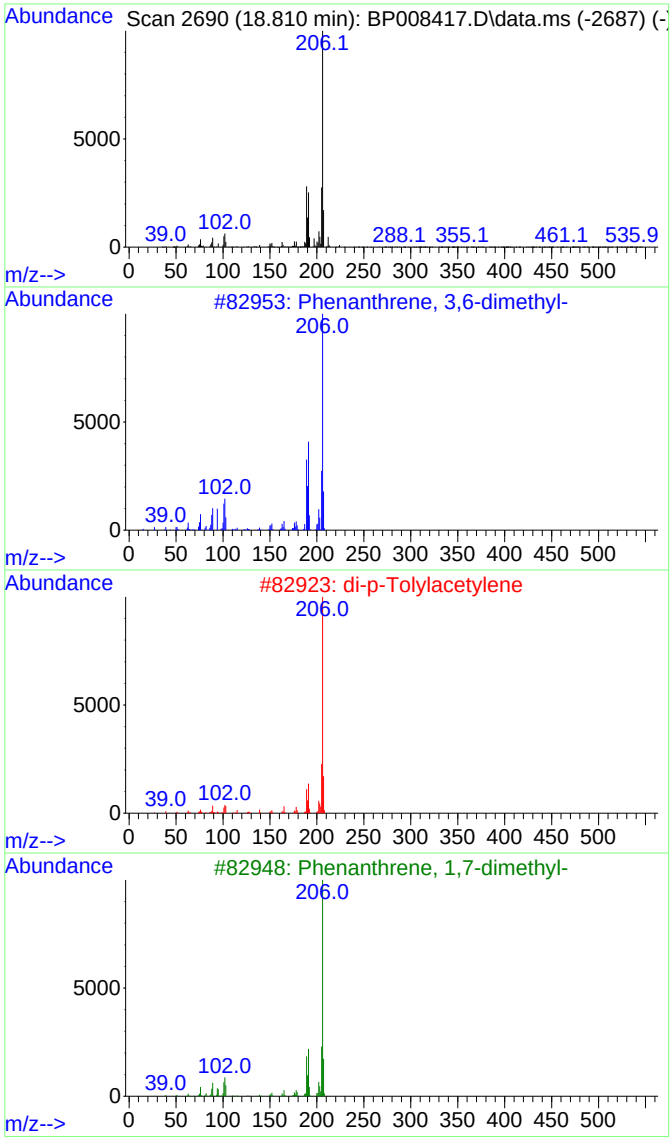
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

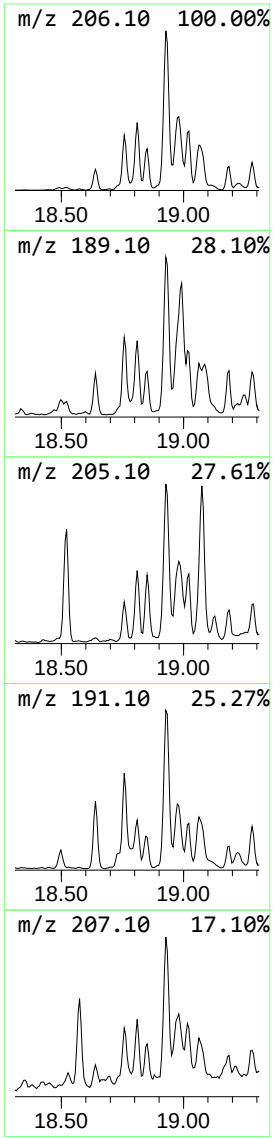
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.810	16.23 ng	570899	Phenanthrene-d10	17.163

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	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

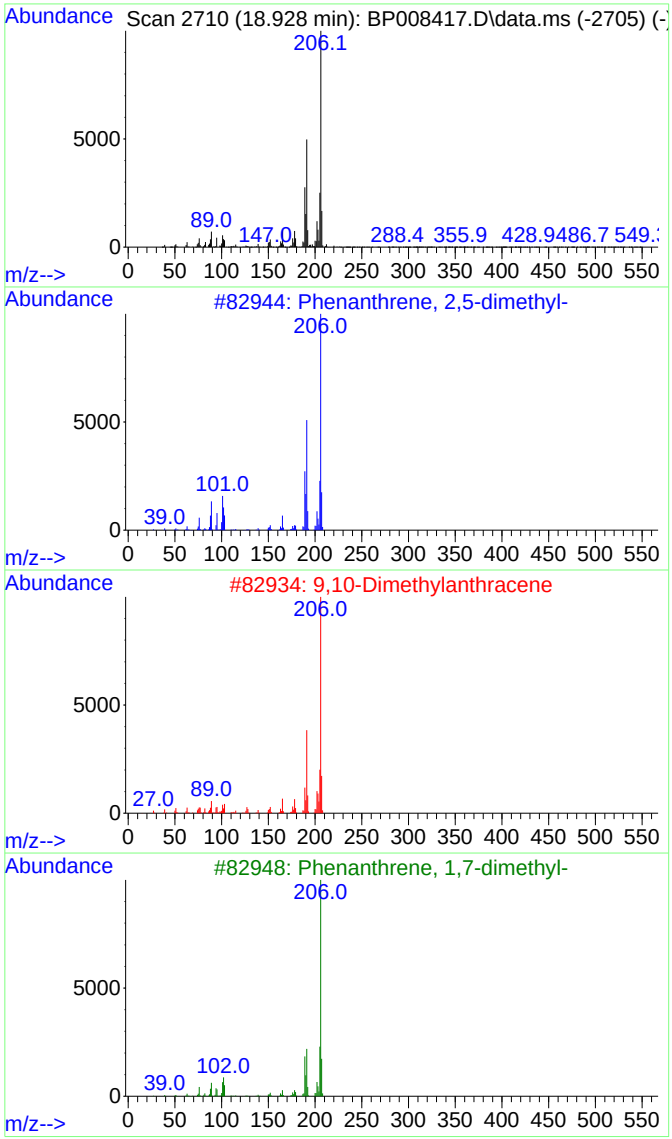
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

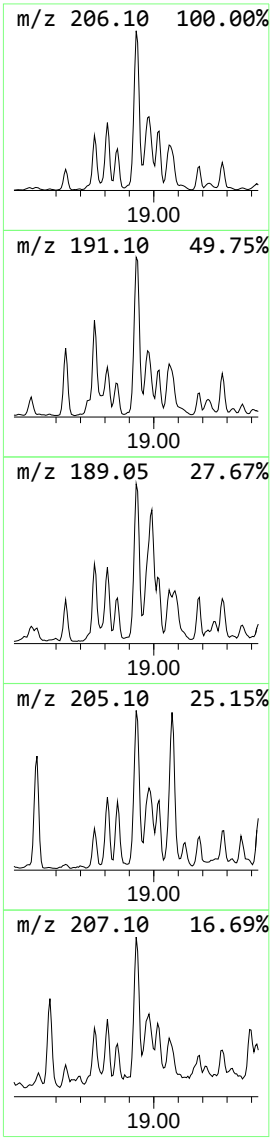
****

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.928	49.79 ng	1751430	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

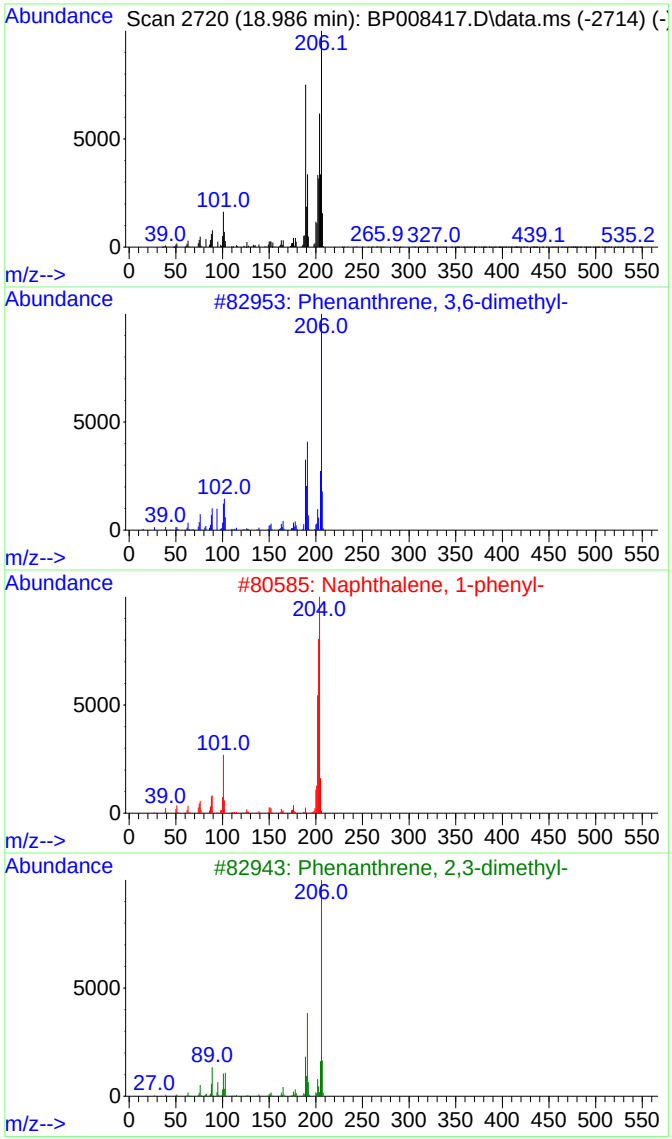
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

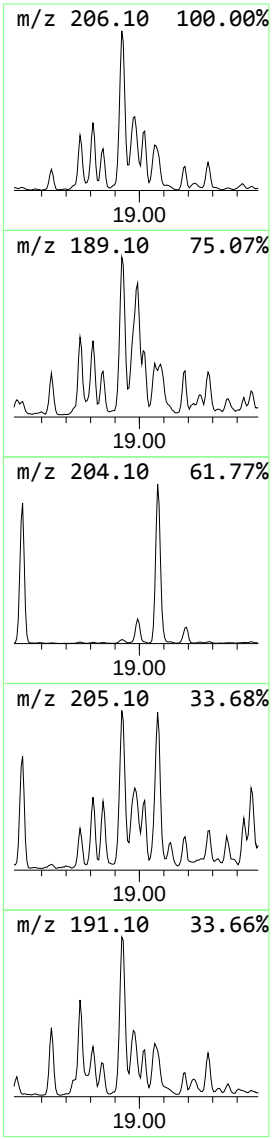
****

Peak Number 16 unknown18.986 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.986	30.80 ng	1083440	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	45
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	44
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	41
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	38
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

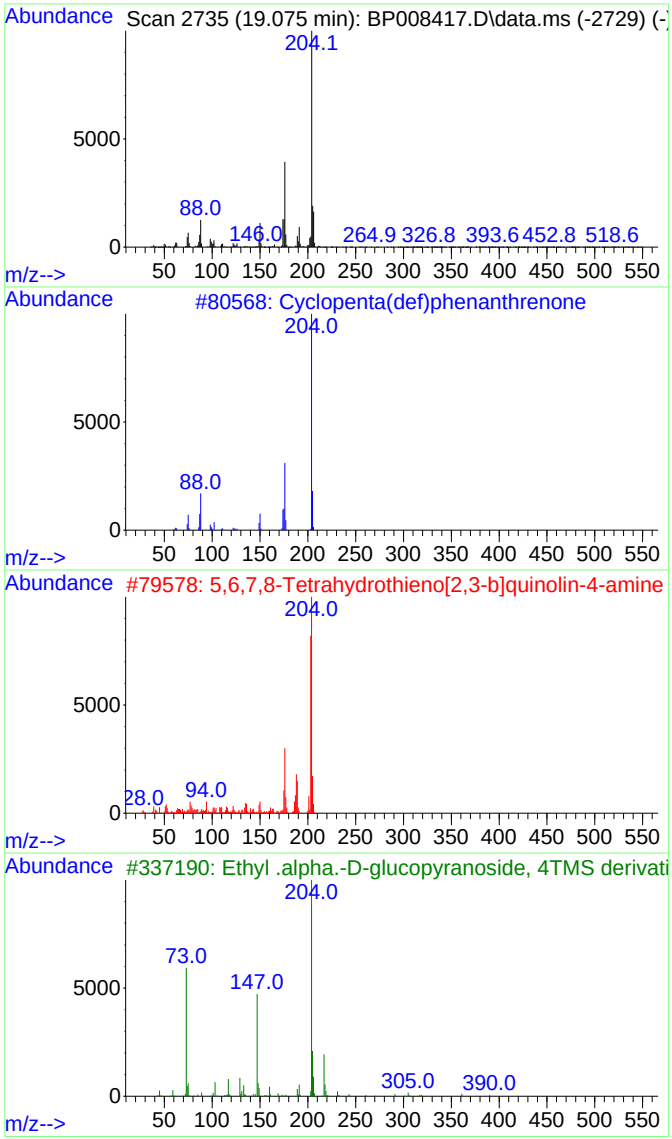
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

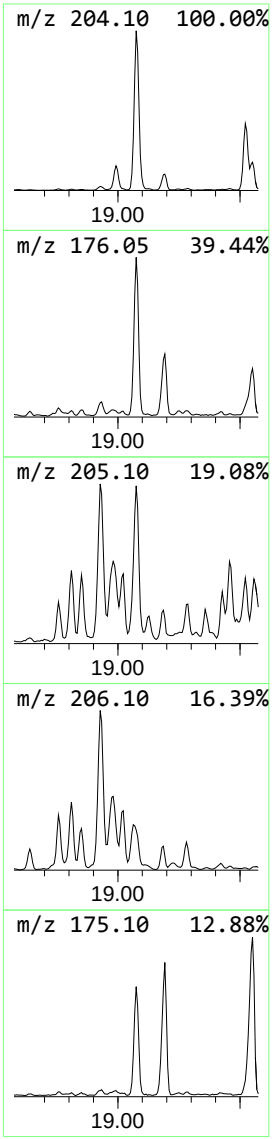
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.075	57.05 ng	2006660	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
3	Ethyl .alpha.-D-glucopyranoside,...	496	C20H48O6Si4	1000365-90-0	47
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	47
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

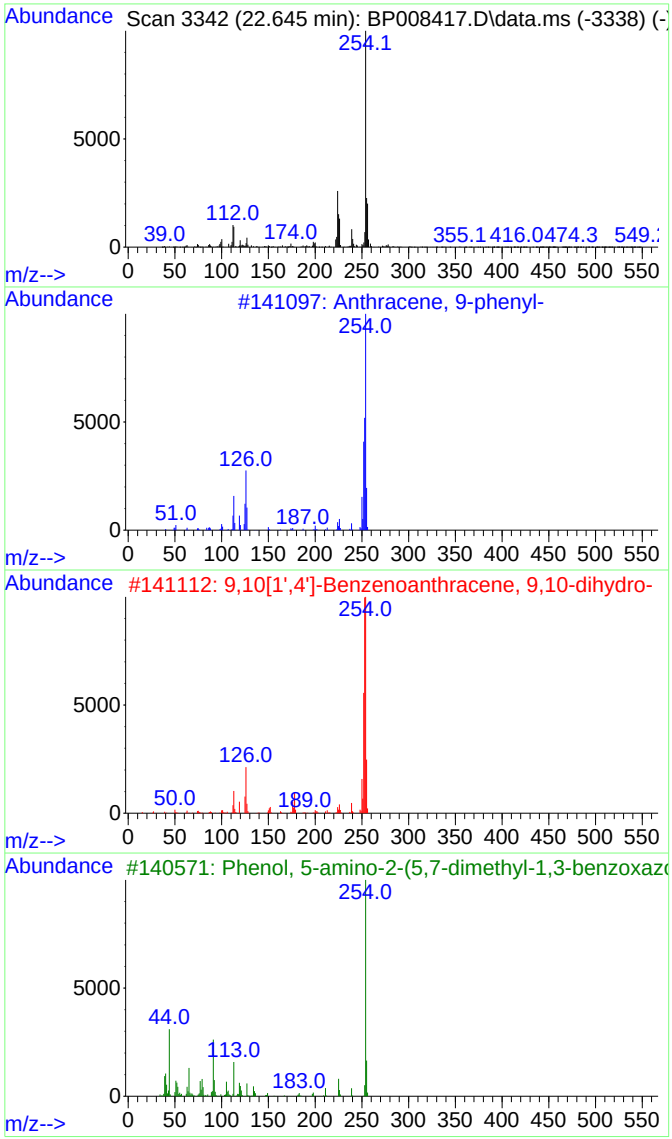
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

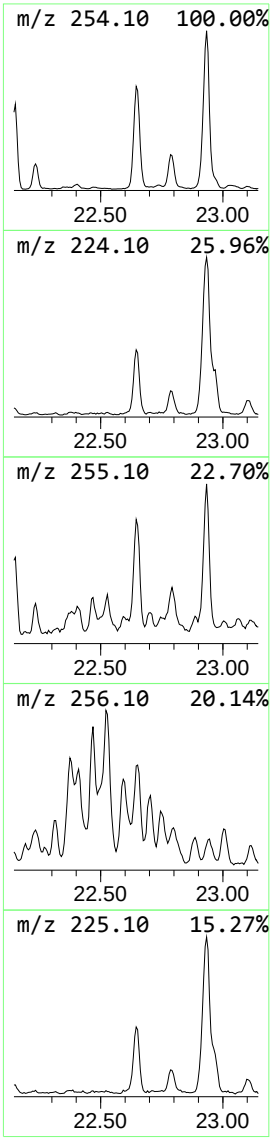
****

Peak Number 18 Anthracene, 9-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.645	20.43 ng	774475	Perylene-d12	23.639

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	52
2	9,10[1',4']-Benzenoanthracene, 9...	254	C20H14	1000487-02-7	50
3	Phenol, 5-amino-2-(5,7-dimethyl-...	254	C15H14N2O2	1000338-06-4	50
4	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	50
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

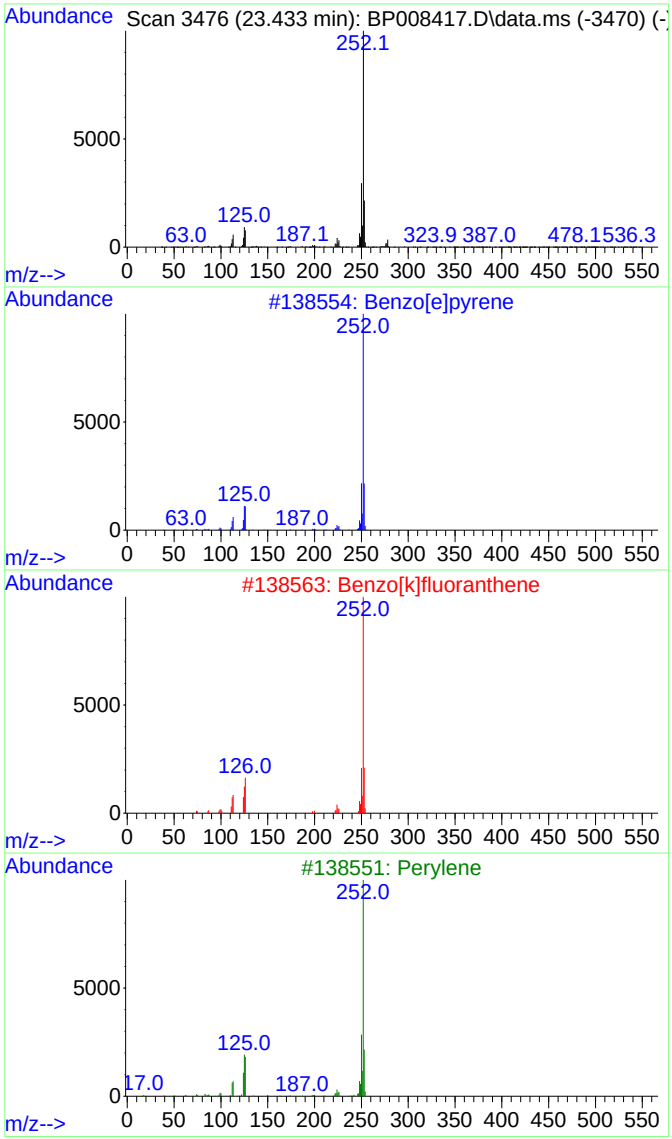
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

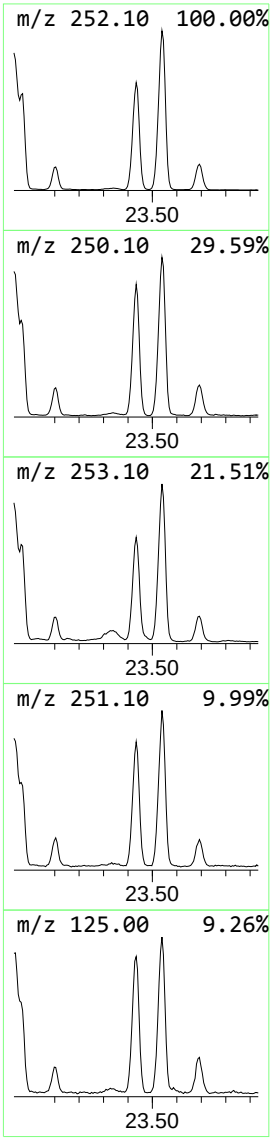
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.433	71.66 ng	2716990	Perylene-d12	23.639

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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	20.0	ng	351383	1	7.746	350676	20.0
9H-Fluoren-9-one	16.822	17.1	ng	601031	4	17.163	703458	20.0
Dibenzothiophene	16.975	21.1	ng	743345	4	17.163	703458	20.0
Naphthalene, 1-...	17.681	13.6	ng	479178	4	17.163	703458	20.0
4-Methylnaphtho...	17.745	23.4	ng	822008	4	17.163	703458	20.0
Phenanthrene, 1...	18.034	62.1	ng	2184910	4	17.163	703458	20.0
Phenanthrene, 2...	18.081	74.2	ng	2608820	4	17.163	703458	20.0
Anthracene, 1-m...	18.163	14.6	ng	512057	4	17.163	703458	20.0
Naphtho[2,3-b]n...	18.222	100.7	ng	3542060	4	17.163	703458	20.0
Phenanthrene, 4...	18.263	53.1	ng	1867930	4	17.163	703458	20.0
Naphthalene, 2-...	18.522	36.3	ng	1276970	4	17.163	703458	20.0
9,10-Anthracene...	18.575	47.8	ng	1679940	4	17.163	703458	20.0
Phenanthrene, 2...	18.757	21.1	ng	742933	4	17.163	703458	20.0
Phenanthrene, 3...	18.810	16.2	ng	570899	4	17.163	703458	20.0
Phenanthrene, 2...	18.928	49.8	ng	1751430	4	17.163	703458	20.0
unknown18.986	18.986	30.8	ng	1083440	4	17.163	703458	20.0
Cyclopenta(def)...	19.075	57.0	ng	2006660	4	17.163	703458	20.0
Anthracene, 9-p...	22.645	20.4	ng	774475	6	23.639	758346	20.0
Benzo[e]pyrene	23.433	71.7	ng	2716990	6	23.639	758346	20.0