LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

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\8270-BP071020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.717	306	311	322	rVB2	49165	75573	1.55%	0.106%
2	5.187	385	391	412	rBV	2260525	3373599	69.04%	4.742%
3	6.711	644	650	653	rBV	77723	122199	2.50%	0.172%
4	6.764	653	659	682	rVB	2196206	3641079	74.51%	5.118%
5	7.175	723	729	750	rBV	91659	213882	4.38%	0.301%
6	7.558	787	794	804	rBV	869190	1387319	28.39%	1.950%
7	8.093	878	885	892	rBV	35224	78789	1.61%	0.111%
8	8.705	977	989	1004	rBV	1467494	2500933	51.18%	3.515%
9	10.328	1257	1265	1270	rBV	1142701	1956117	40.03%	2.749%
10	10.381	1270	1274	1284	rVB	207152	360654	7.38%	0.507%
11	12.004	1542	1550	1558	rBV	111044	184193	3.77%	0.259%
12	12.093	1559	1565	1578	rVV4	37840	110919	2.27%	0.156%
13	12.222	1582	1587	1595	rVB	132414	220642	4.52%	0.310%
14	12.822	1682	1689	1710	rVB	3194786	4886452	100.00%	6.868%
15	13.034	1721	1725	1728	rBV	33859	57774	1.18%	0.081%
16	13.387	1777	1785	1791	rBV3	46827	125799	2.57%	0.177%
17	13.528	1803	1809	1814	rBV	121685	208650	4.27%	0.293%
18	13.581	1814	1818	1825	rVB	64264	94429	1.93%	0.133%
19	13.669	1827	1833	1845	rBV	993363	1398394	28.62%	1.966%
20	13.763	1845	1849	1853	rBV	49911	75868	1.55%	0.107%
21	13.928	1871	1877	1893	rVB	222915	387812	7.94%	0.545%
22	14.210	1918	1925	1932	rBV	1558268	2367408	48.45%	3.328%
23	14.275	1932	1936	1940	rVV	79048	116998	2.39%	0.164%
24	14.616	1988	1994	2001	rBV2	192270	316587	6.48%	0.445%
25	14.698	2004	2008	2013	rVB	56247	83381	1.71%	0.117%
26	14.840	2026	2032	2037	rBV2	44879	76705	1.57%	0.108%
27	15.016	2054	2062	2064	rBV	35053	69752	1.43%	0.098%
28	15.269	2099	2105	2111	rBV	312674	475796	9.74%	0.669%
29	15.569	2151	2156	2161	rBV	118979	186329	3.81%	0.262%
30	15.710	2169	2180	2190	rBV	1924399	3100130	63.44%	4.357%
31	15.804	2192	2196	2201	rVB2	36301	58694	1.20%	0.082%
32	15.922	2210	2216	2219	rBV	90595	153690	3.15%	0.216%
33	16.281	2270	2277	2282	rBV3	55123	101905	2.09%	0.143%
34	16.328	2282	2285	2291	rVB	46415	66577	1.36%	0.094%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

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\8270-BP071020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.510	2312	2316	2320	rBV	54964	76286	1.56%	0.107%
36	16.551	2320	2323	2327	rVV	60118	81839	1.67%	0.115%
37	16.628	2331	2336	2345	rVB	236436	357011	7.31%	0.502%
38	16.710	2345	2350	2356	rBV3	64175	123827	2.53%	0.174%
39	16.787	2356	2363	2374	rVB	151191	281694	5.76%	0.396%
40	16.969	2388	2394	2398	rBV	1485536	2180653	44.63%	3.065%
41	17.010	2398	2401	2407	rVV	2546171	3569716	73.05%	5.018%
42	17.069	2408	2411	2413	rVV2	60771	89557	1.83%	0.126%
43	17.104	2413	2417	2424	rVV	398019	609954	12.48%	0.857%
44	17.169	2424	2428	2434	rVB3	53482	98987	2.03%	0.139%
45	17.381	2455	2464	2468	rBV2	256825	421680	8.63%	0.593%
46	17.498	2480	2484	2488	rBV4	59737	85937	1.76%	0.121%
47	17.557	2490	2494	2503	rVB3	94516	158684	3.25%	0.223%
48	17.698	2515	2518	2526	rVB	42210	75632	1.55%	0.106%
49	17.775	2527	2531	2536	rBV3	37977	62923	1.29%	0.088%
50	17.845	2538	2543	2547	rVV	357322	489616	10.02%	0.688%
51	17.898	2547	2552	2560	rVV2	692794	1020941	20.89%	1.435%
52	17.975	2561	2565	2570	rVV	102358	158561	3.24%	0.223%
53	18.034	2570	2575	2579	rVV2	454748	738193	15.11%	1.038%
54	18.075	2579	2582	2590	rVB	214258	290374	5.94%	0.408%
55	18.145	2590	2594	2598	rBV4	39241	71358	1.46%	0.100%
56	18.186	2598	2601	2605	rVB	52674	65338	1.34%	0.092%
57	18.339	2622	2627	2630	rBV	197256	260463	5.33%	0.366%
58	18.375	2630	2633	2640	rVB	286372	388833	7.96%	0.547%
59	18.581	2665	2668	2672	rVB2	55603	59421	1.22%	0.084%
60	18.628	2672	2676	2680	rBV	376587	441721	9.04%	0.621%
61	18.669	2680	2683	2687	rVB2	76065	87027	1.78%	0.122%
62	18.716	2688	2691	2693	rBV	69830	89058	1.82%	0.125%
63	18.745	2693	2696	2701	rVV2	173626	292876	5.99%	0.412%
64	18.804	2701	2706	2709	rVV3	110677	212184	4.34%	0.298%
65	18.839	2709	2712	2715	rVV	65573	73715	1.51%	0.104%
66	18.881	2715	2719	2727	rVB	195174	306316	6.27%	0.431%
67	18.963	2730	2733	2734	rVV2	56450	57657	1.18%	0.081%
68	18.998	2734	2739	2746	rVV	2784884	3790726	77.58%	5.328%
69	19.069	2748	2751	2753	rVV	48898	63601	1.30%	0.089%
70	19.098	2753	2756	2760	rVB2	63493	79088	1.62%	0.111%
71	19.145	2760	2764	2768	rBV	137307	175788	3.60%	0.247%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

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\8270-BP071020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.198	2769	2773	2776	rVV3	92861	152419	3.12%	0.214%
73	19.233	2776	2779	2790	rVV3	98624	260793	5.34%	0.367%
74	19.322	2790	2794	2795	rVV	357104	395531	8.09%	0.556%
75	19.351	2795	2799	2808	rVV	2254326	3091561	63.27%	4.345%
76	19.428	2808	2812	2818	rVB2	118406	213369	4.37%	0.300%
77	19.557	2825	2834	2845	rVB	3024141	4191057	85.77%	5.891%
78	19.675	2848	2854	2860	rBV4	173950	418940	8.57%	0.589%
79	19.804	2872	2876	2879	rBV4	127897	229013	4.69%	0.322%
80	19.839	2879	2882	2887	rVB	317058	406551	8.32%	0.571%
81	19.939	2895	2899	2902	rBV	187137	219765	4.50%	0.309%
82	19.992	2903	2908	2913	rVB2	234500	361356	7.40%	0.508%
83	20.128	2928	2931	2935	rBV	108468	122840	2.51%	0.173%
84	20.175	2935	2939	2945	rBV2	119645	206793	4.23%	0.291%
85	20.569	3003	3006	3014	rVB	264155	338094	6.92%	0.475%
86	20.727	3029	3033	3037	rBV2	182112	298551	6.11%	0.420%
87	20.769	3037	3040	3043	rVV	226825	246735	5.05%	0.347%
88	20.816	3043	3048	3052	rVV3	753041	1139351	23.32%	1.601%
89	20.863	3053	3056	3063	rVB	292659	386062	7.90%	0.543%
90	21.075	3086	3092	3096	rBV3	1723700	3218023	65.86%	4.523%
91	21.116	3096	3099	3108	rVB	1028122	1295568	26.51%	1.821%
92	21.245	3119	3121	3124	rVB2	88792	82770	1.69%	0.116%
93	21.386	3141	3145	3150	rBV2	153673	254627	5.21%	0.358%
94	21.680	3190	3195	3201	rBV5	246300	476241	9.75%	0.669%
95	22.622	3349	3355	3359	rBV2	982650	2106860	43.12%	2.961%
96	23.080	3428	3433	3441	rVB	523316	955591	19.56%	1.343%
97	23.174	3444	3449	3456	rVB	768277	1353943	27.71%	1.903%
98	23.269	3459	3465	3470	rBV2	873756	1582565	32.39%	2.224%
99	23.821	3555	3559	3566	rVB2	279425	538415	11.02%	0.757%
100	23.904	3569	3573	3583	rVB3	212896	479604	9.81%	0.674%

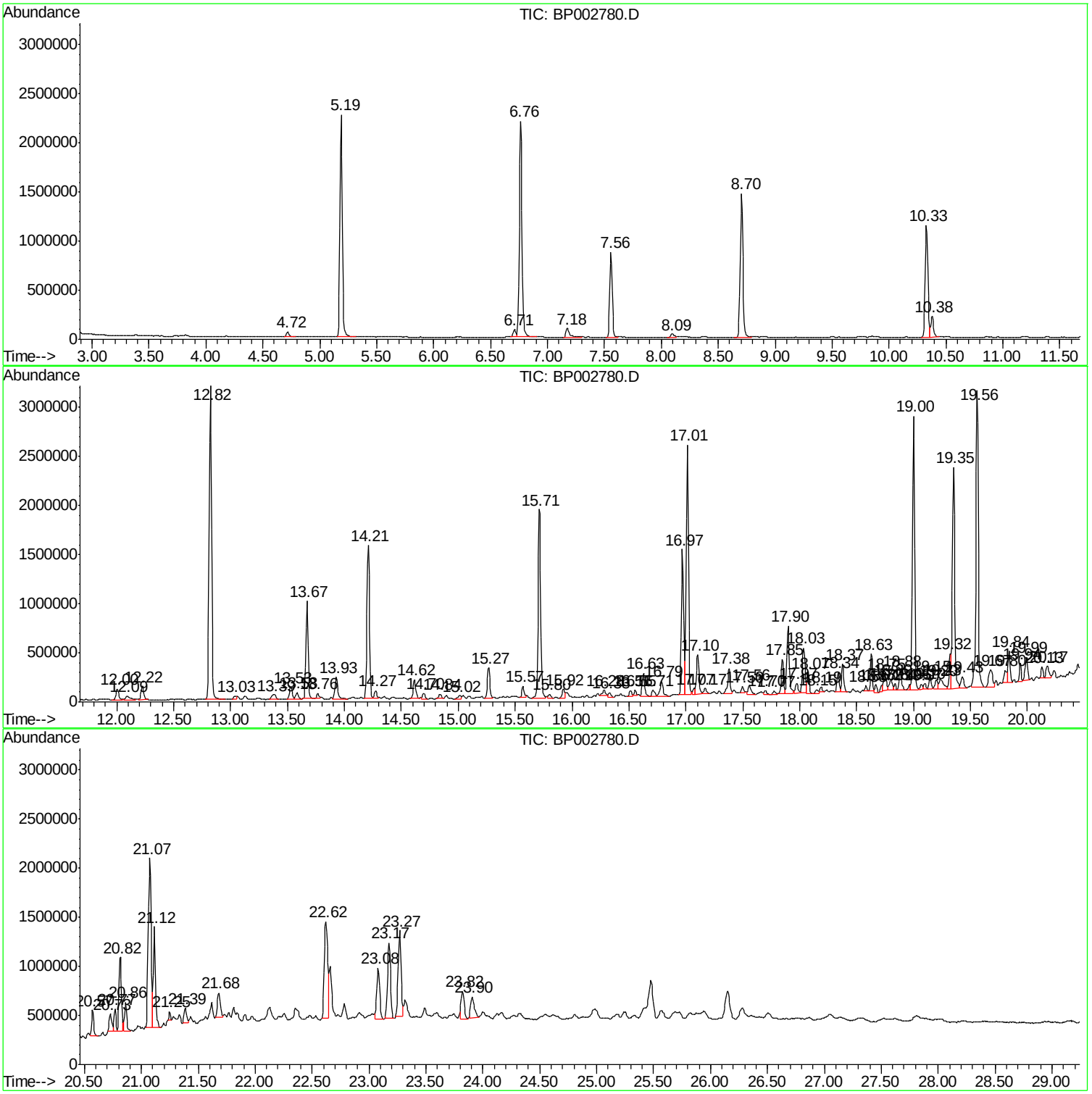
Sum of corrected areas: 71145251

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

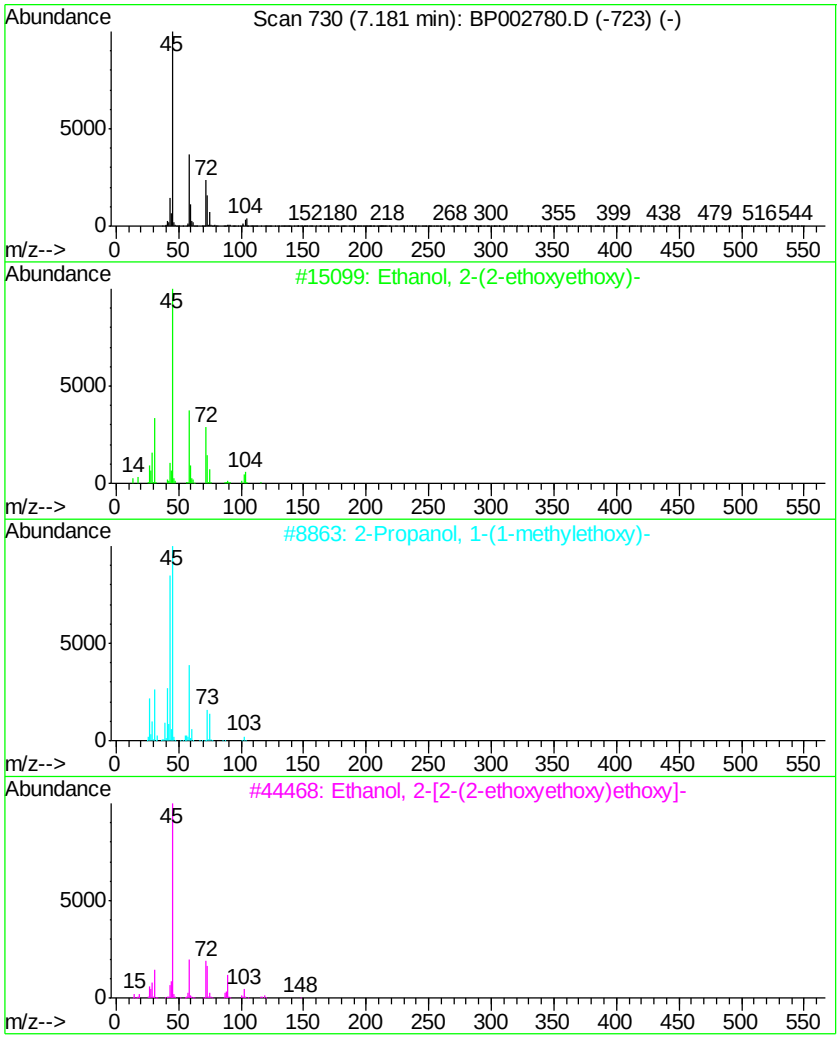
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

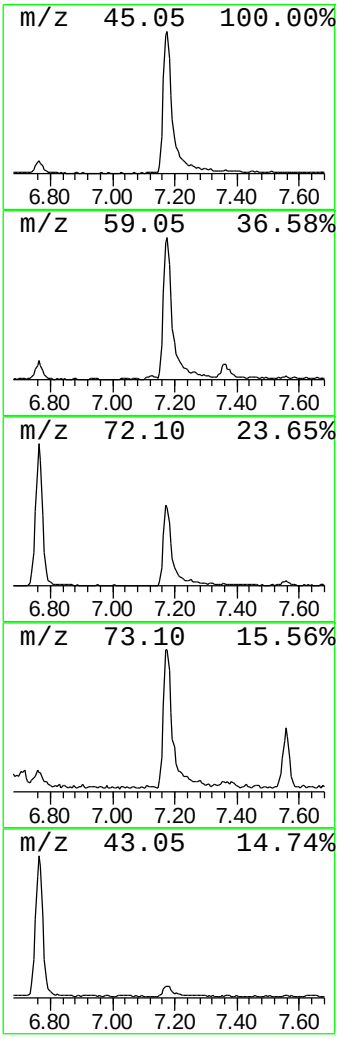
****

Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	3.08 ng	213882	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	90
2	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	45
3	Ethanol, 2-[2-(2-ethoxyethoxy)et...	178	C8H18O4	000112-50-5	39
4	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	36
5	.beta.-Methoxyethoxymethyl chloride	124	C4H9ClO2	003970-21-6	36





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

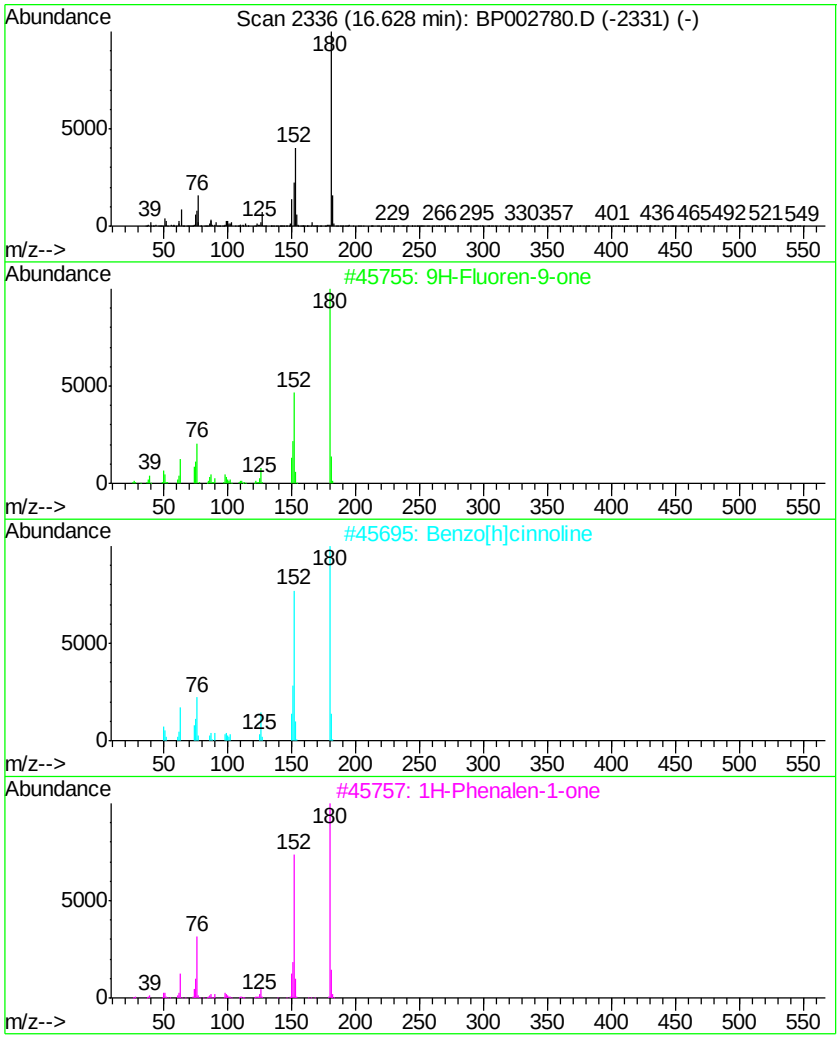
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

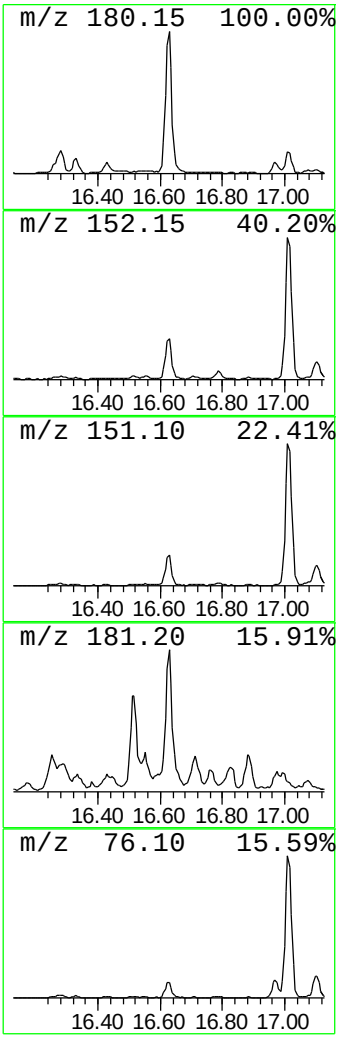
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	3.27 ng	357011	Phenanthrene-d10	16.97

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	86
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	42
5	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

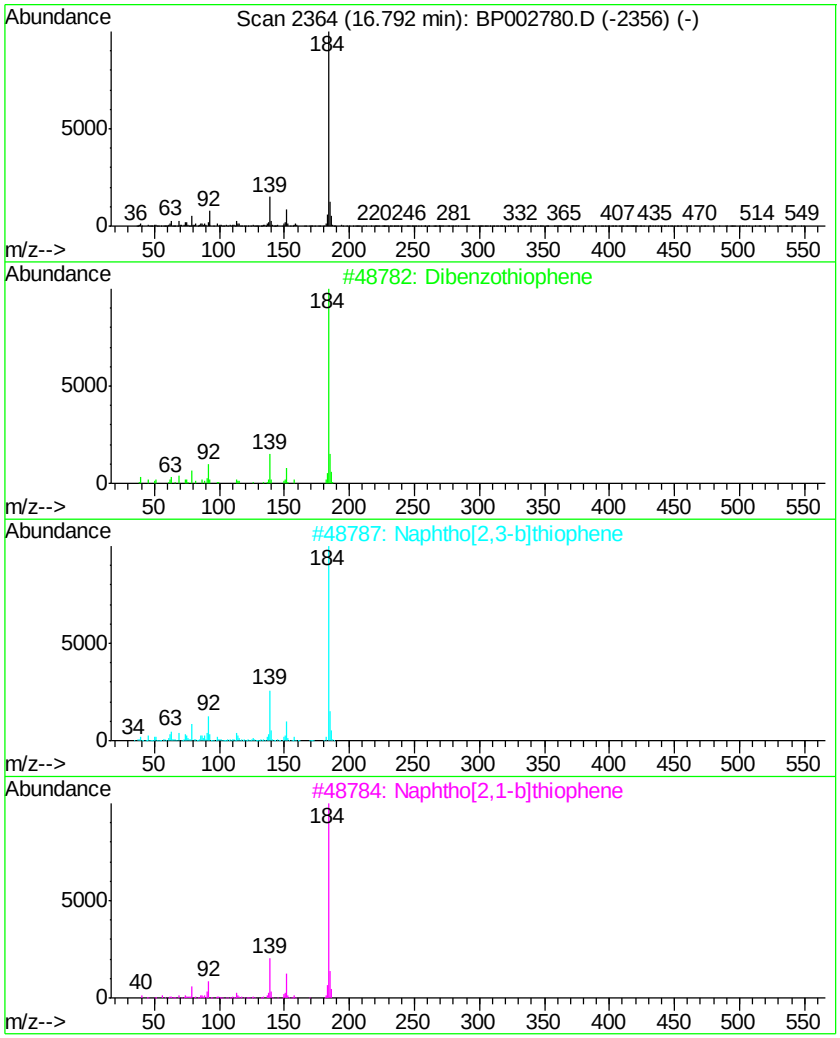
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

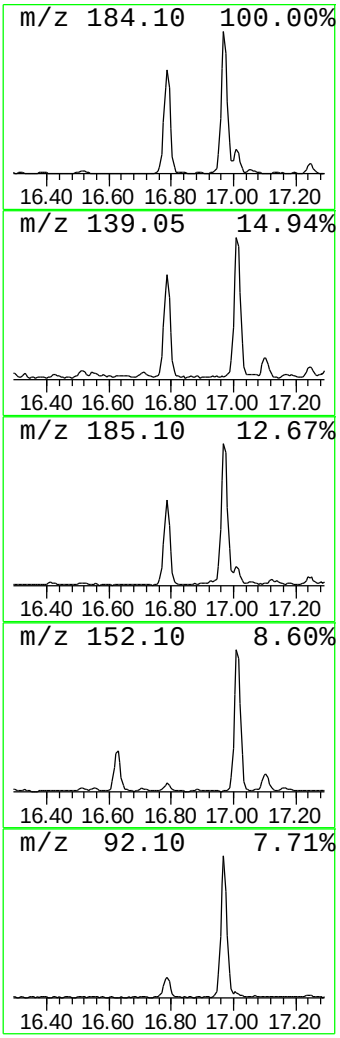
****

Peak Number 3 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	2.58 ng	281694	Phenanthrene-d10	16.97

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

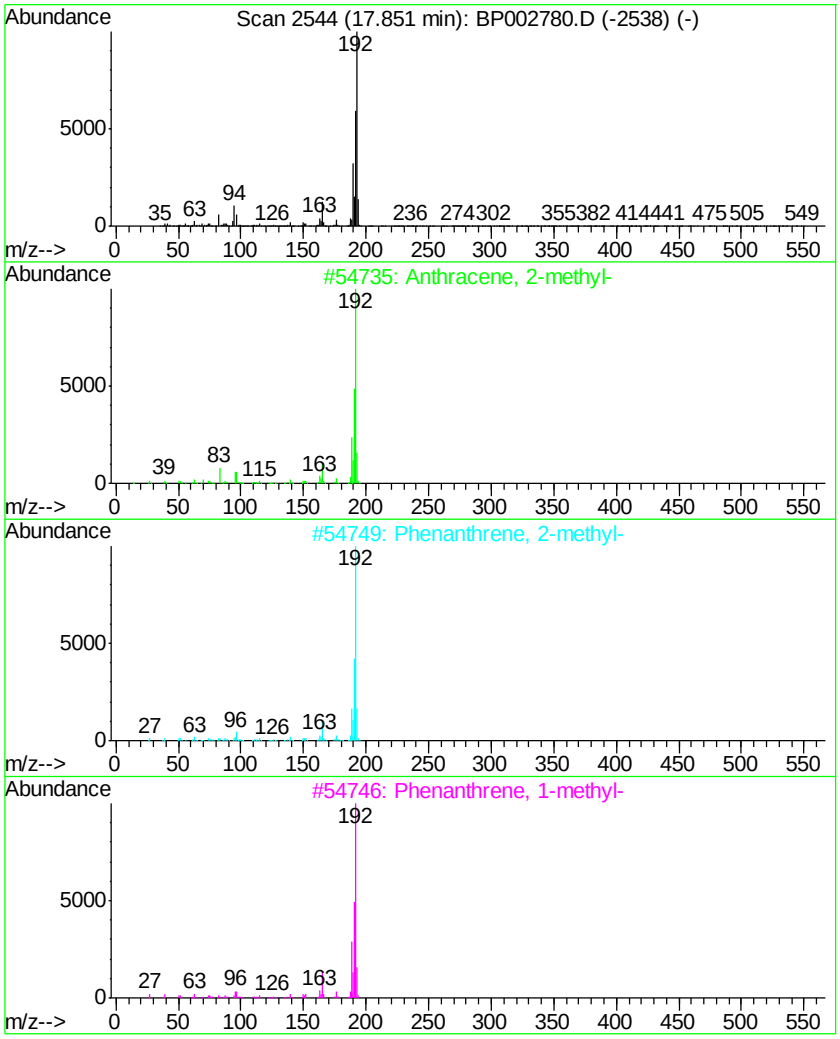
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

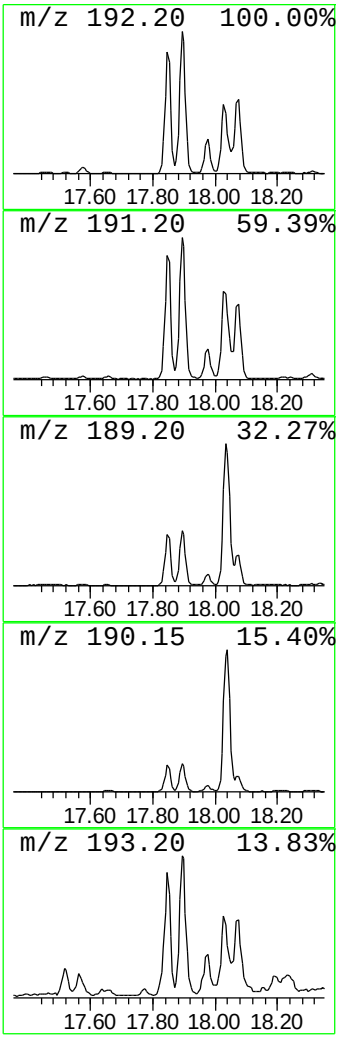
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	4.49 ng	489616	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

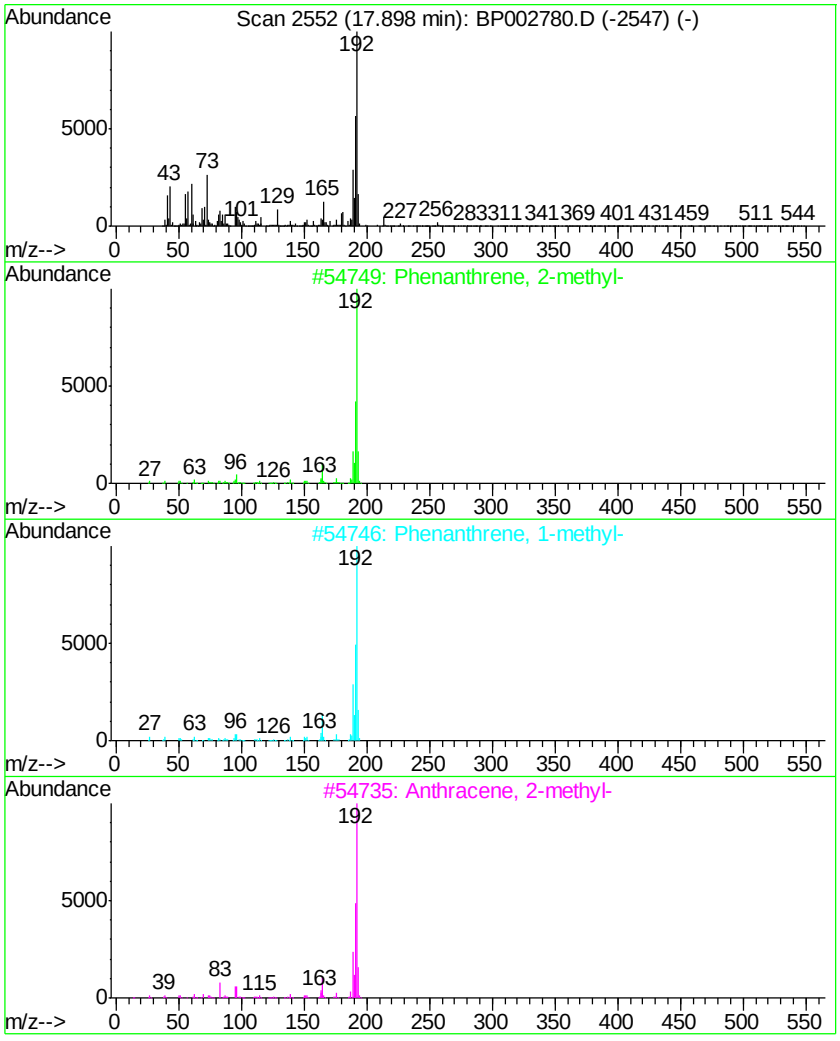
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

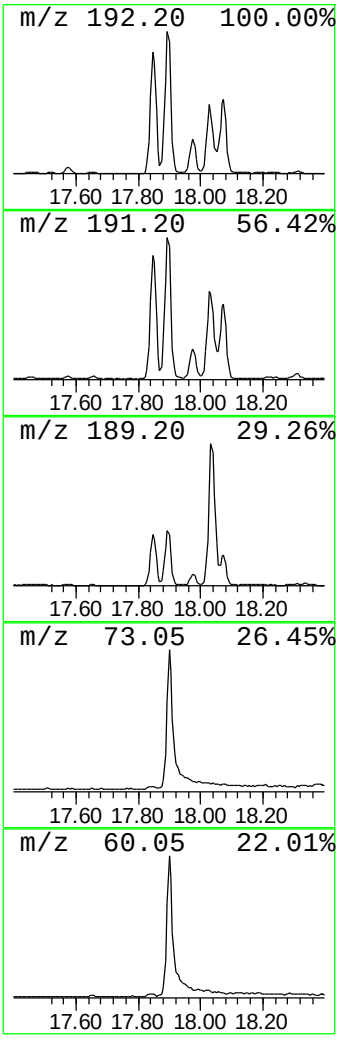
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	9.36 ng	1020940	Phenanthrene-d10	16.97

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	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

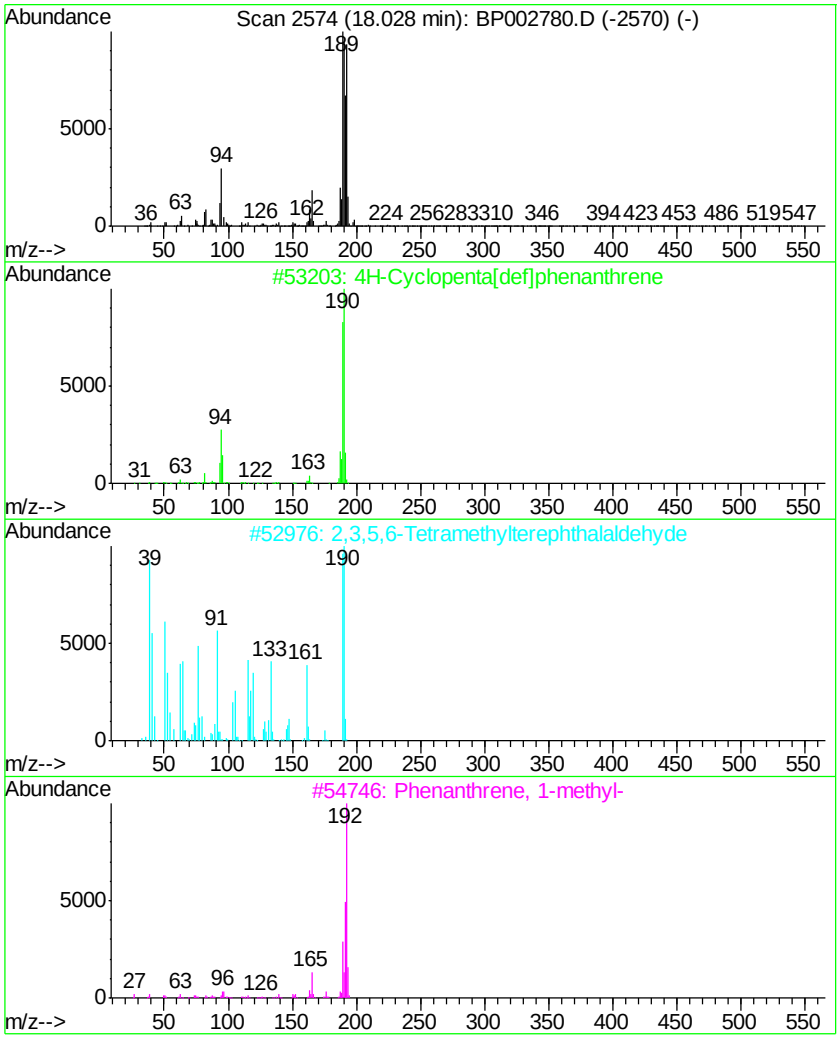
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

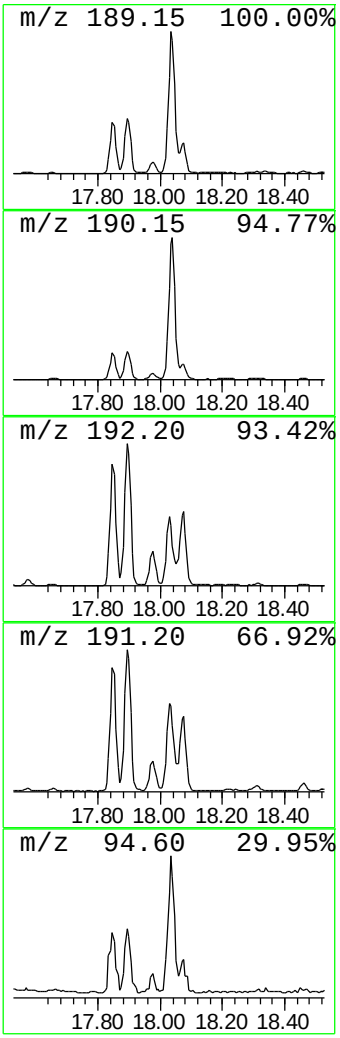
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	6.77 ng	738193	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

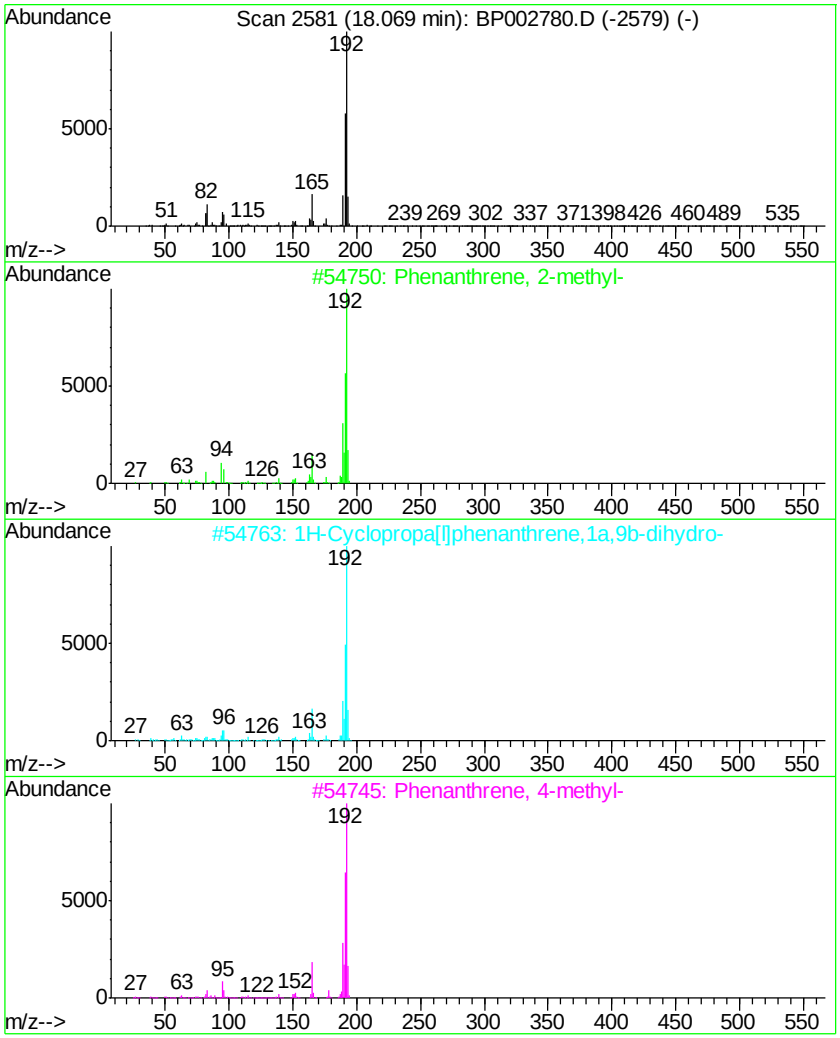
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

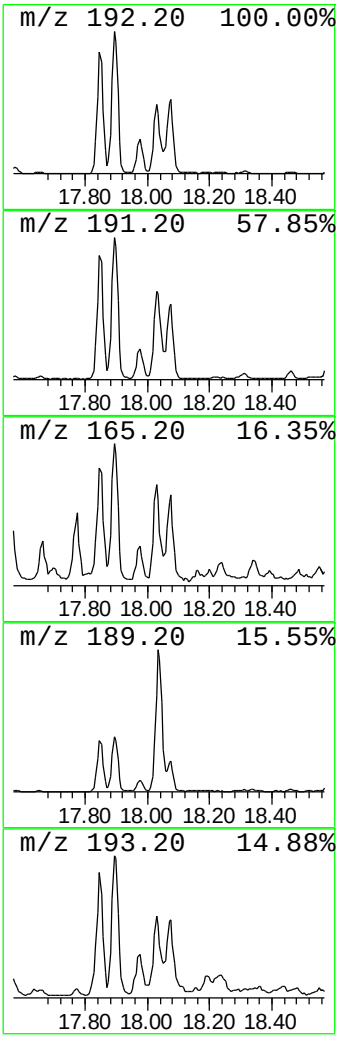
****

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	2.66 ng	290374	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

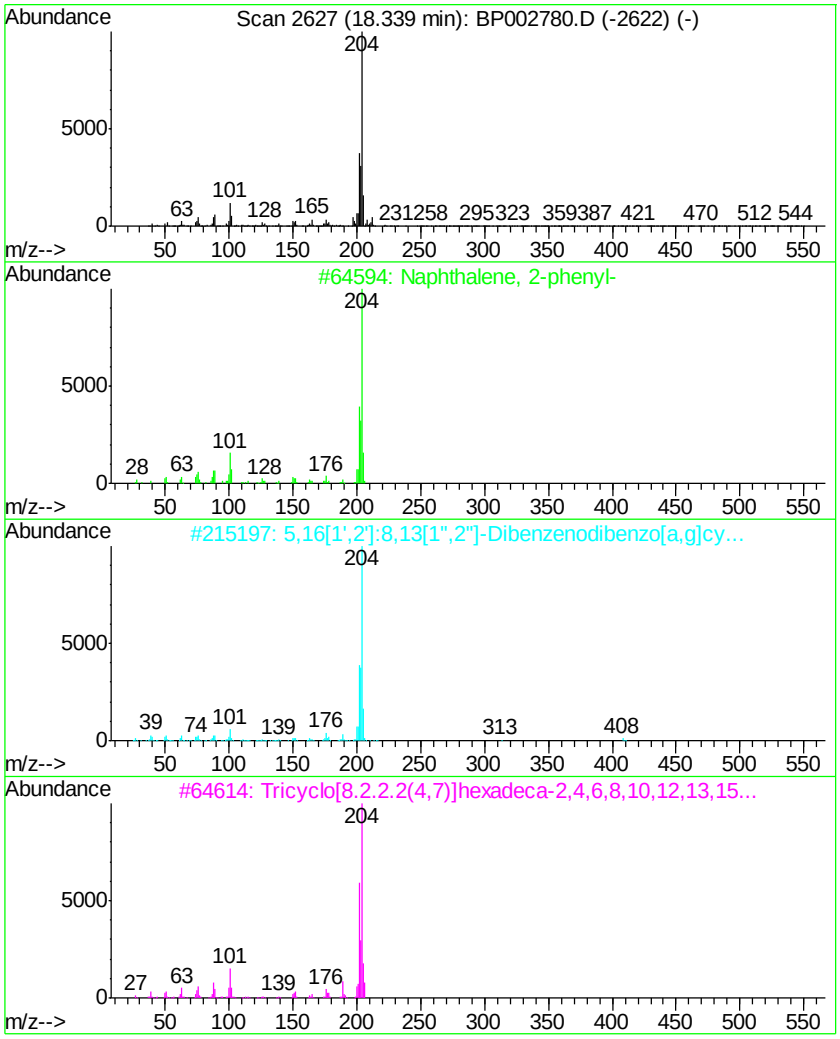
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

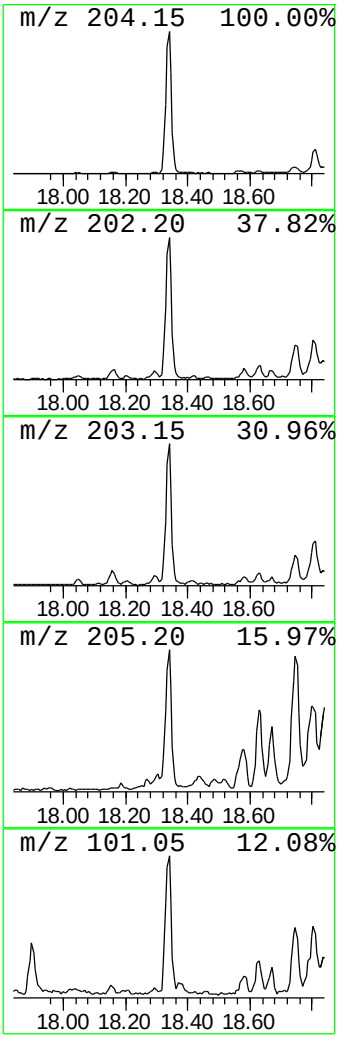
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.39 ng	260463	Phenanthrene-d10	16.97

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	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

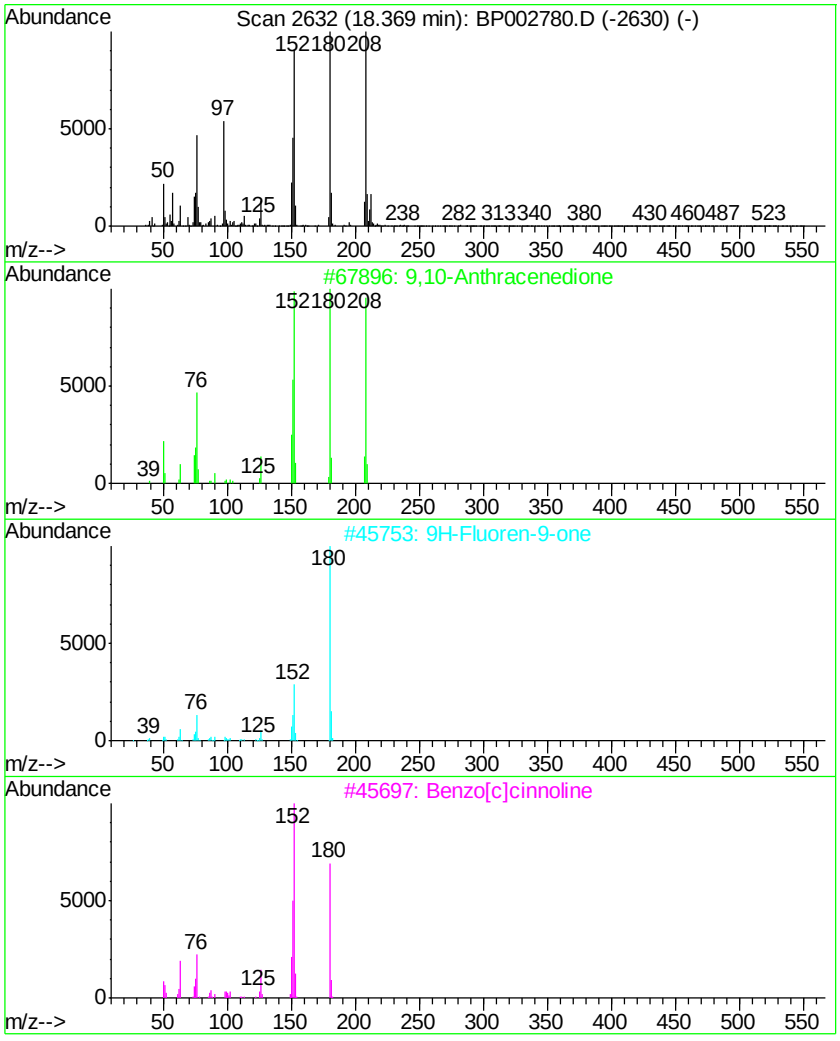
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

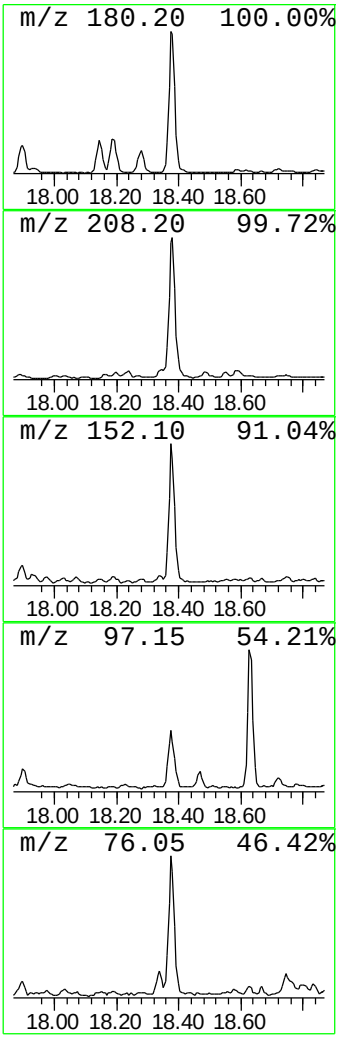
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	3.57 ng	388833	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	89
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

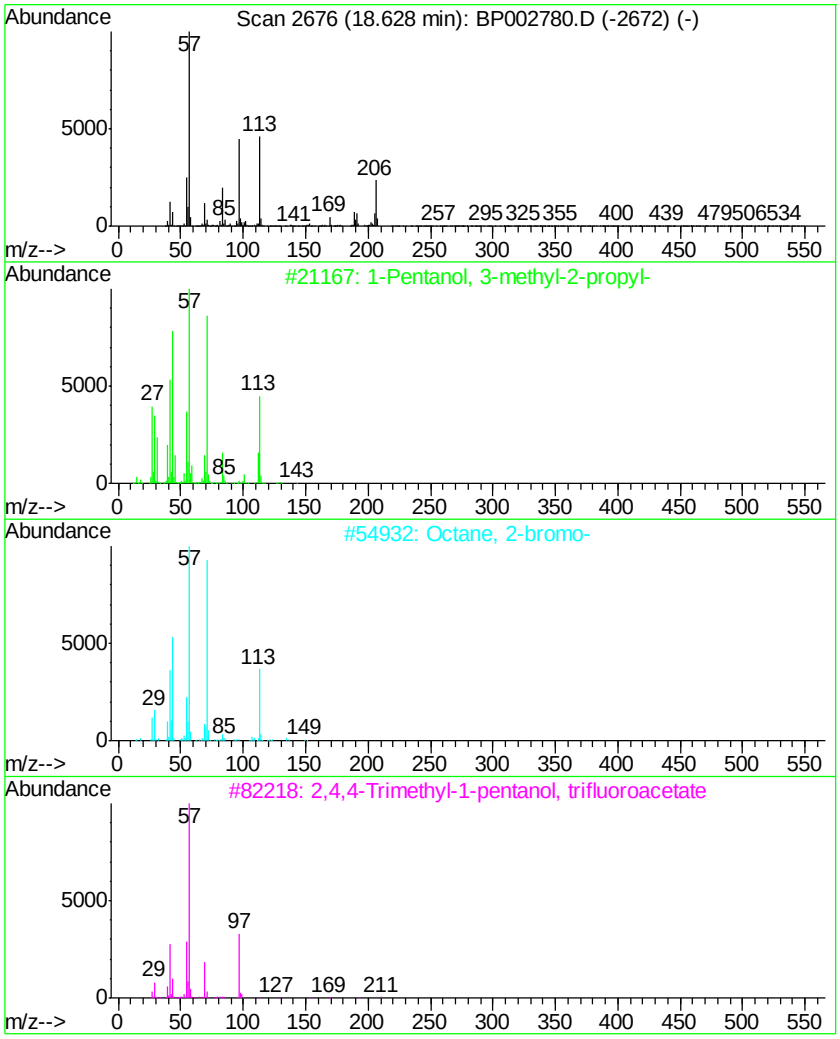
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

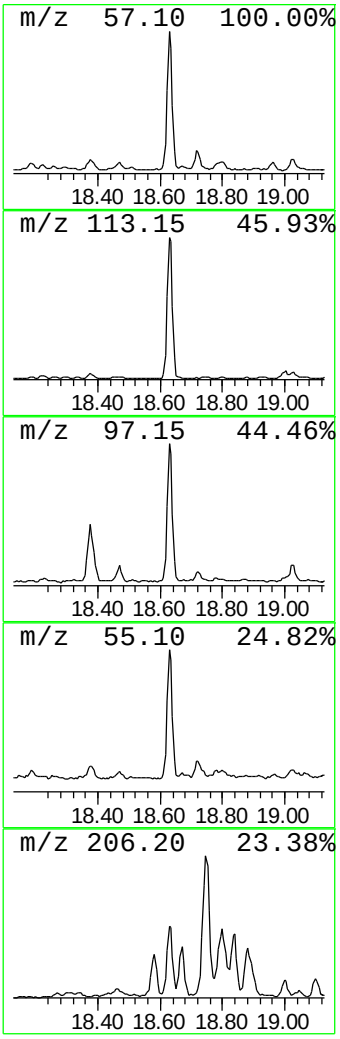
****

Peak Number 10 unknown18.63 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	4.05 ng	441721	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentanol, 3-methyl-2-propyl-	144	C9H20O	054004-40-9	23
2	Octane, 2-bromo-	192	C8H17Br	000557-35-7	16
3	2,4,4-Trimethyl-1-pentanol, trif...	226	C10H17F3O2	1000365-19-5	12
4	2,4,4,6,6,8,8-Heptamethyl-1-nonene	224	C16H32	015796-04-0	10
5	4-Hepten-3-one, 5-methyl-, (E)-	126	C8H14O	020685-44-3	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

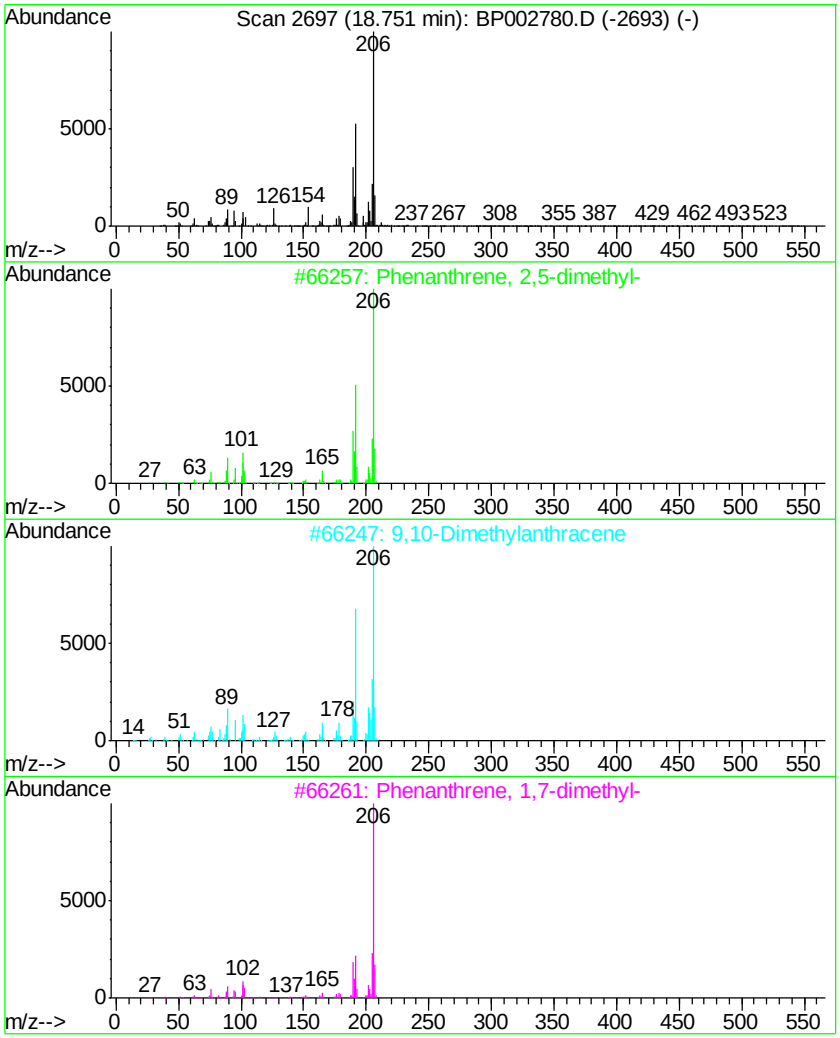
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

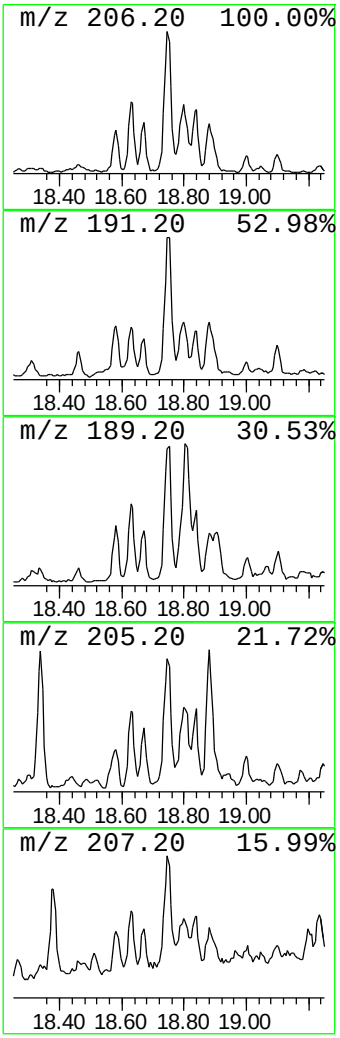
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	2.69 ng	292876	Phenanthrene-d10	16.97

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	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

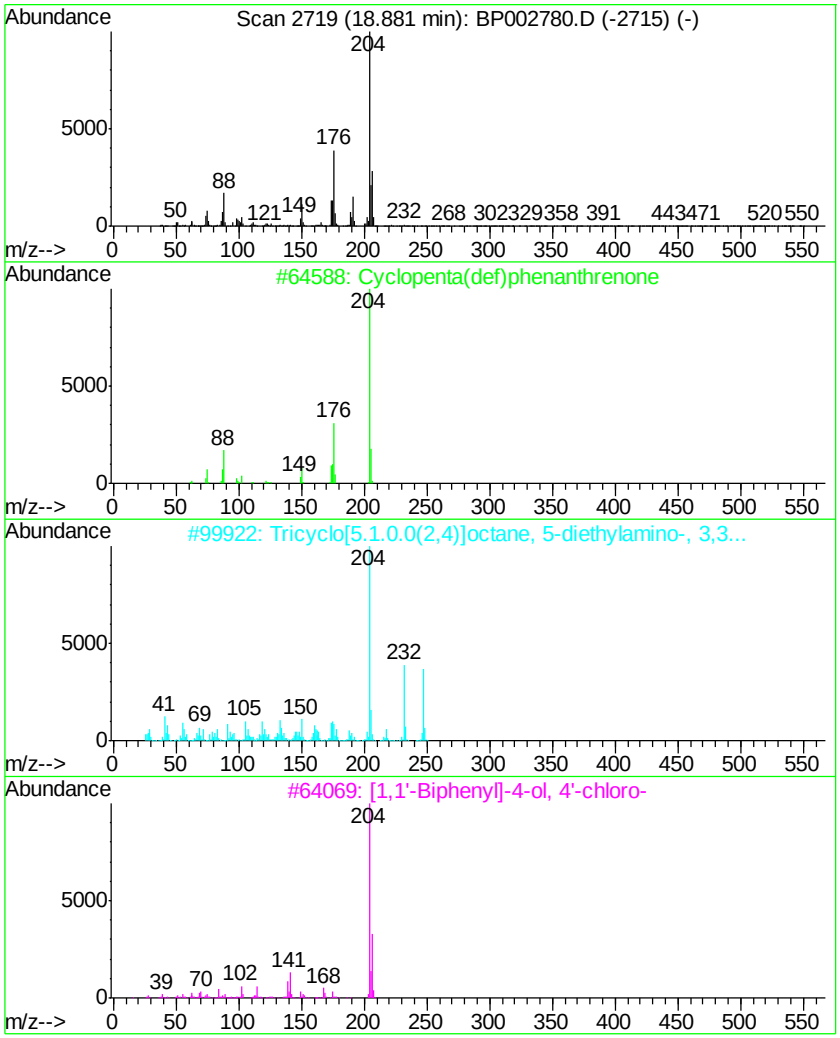
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

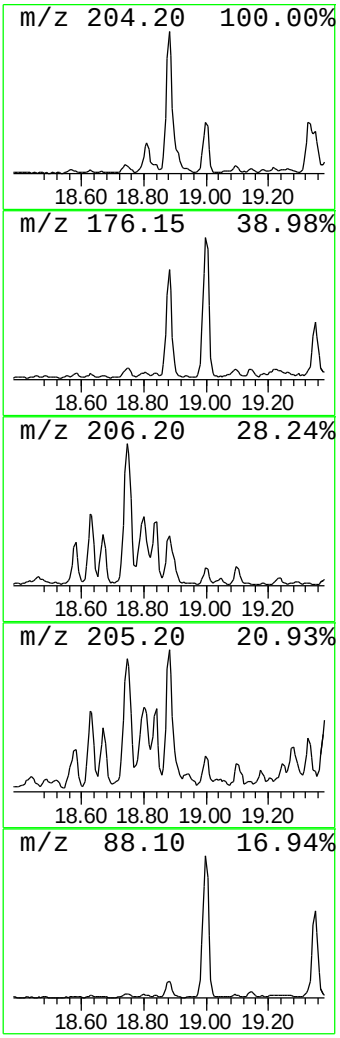
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	2.81 ng	306316	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

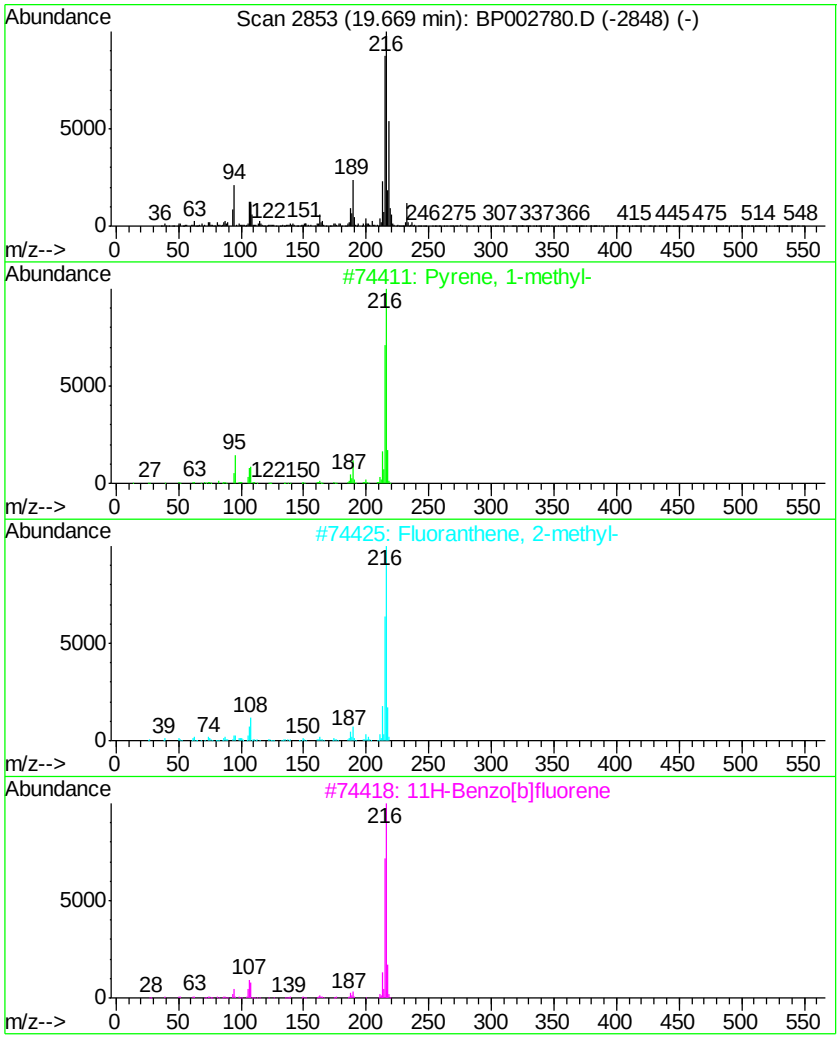
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

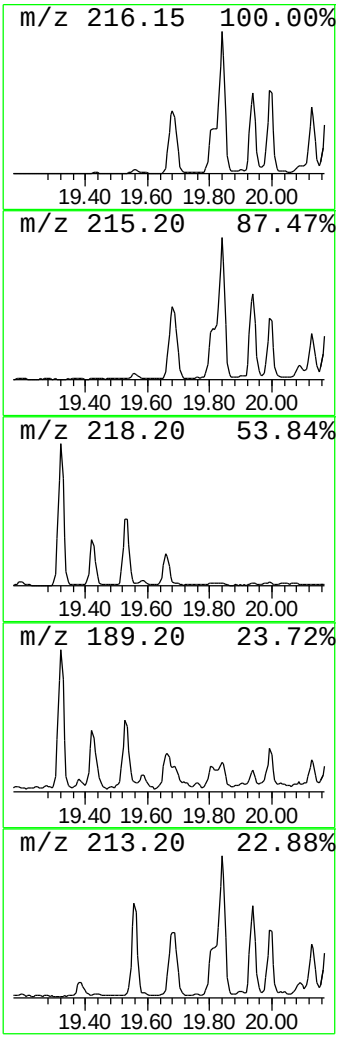
****

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	2.60 ng	418940	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

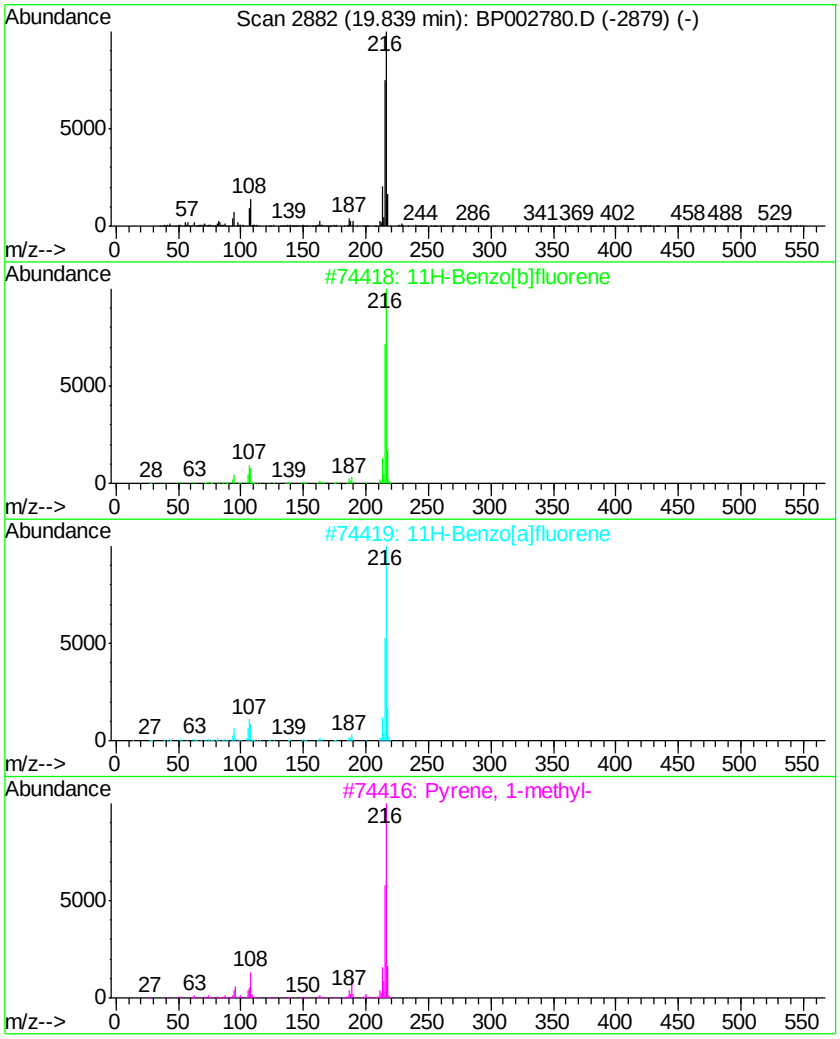
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

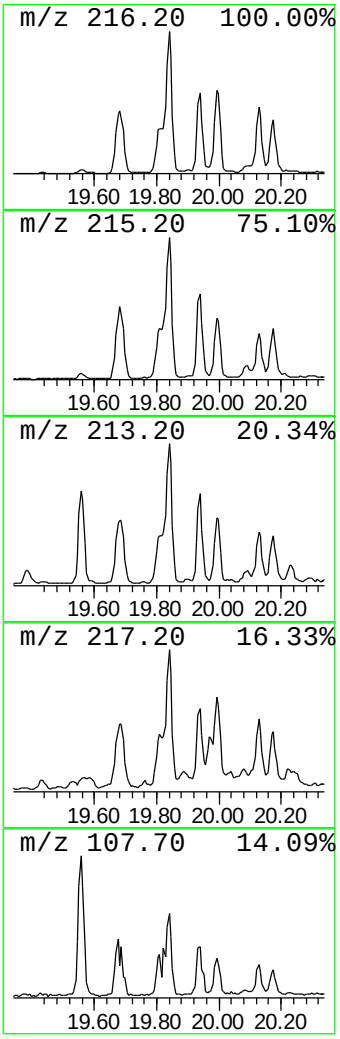
****

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	2.53 ng	406551	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

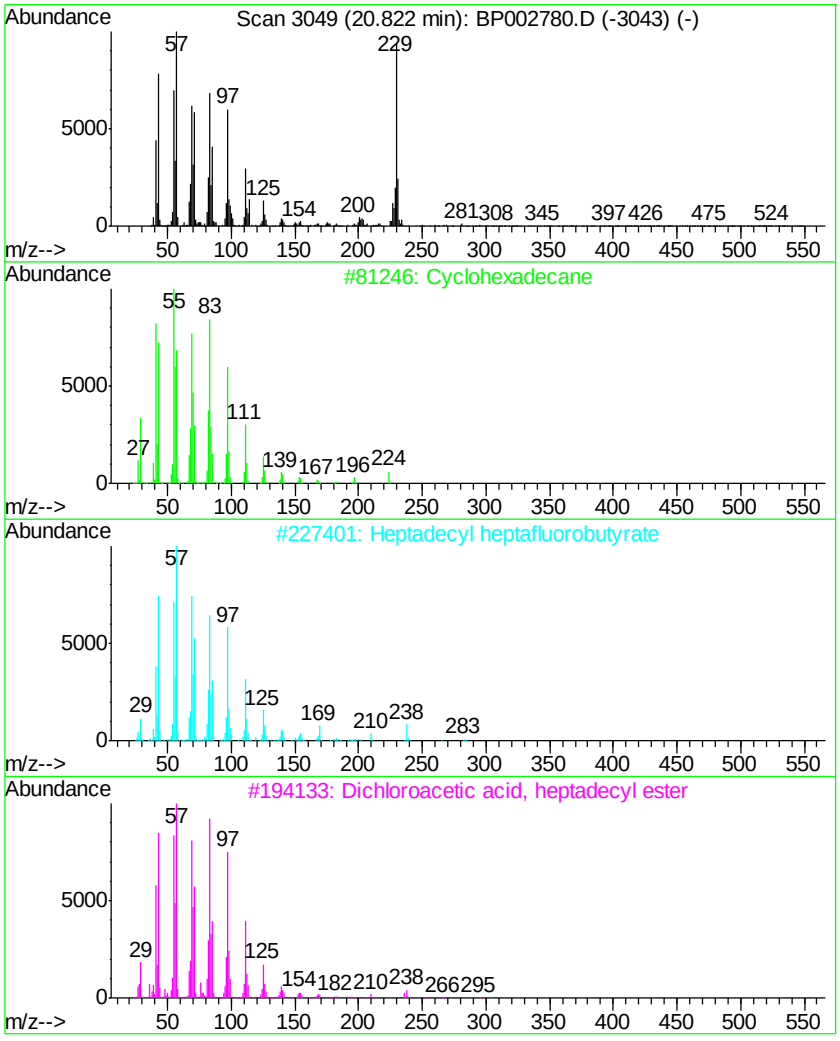
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

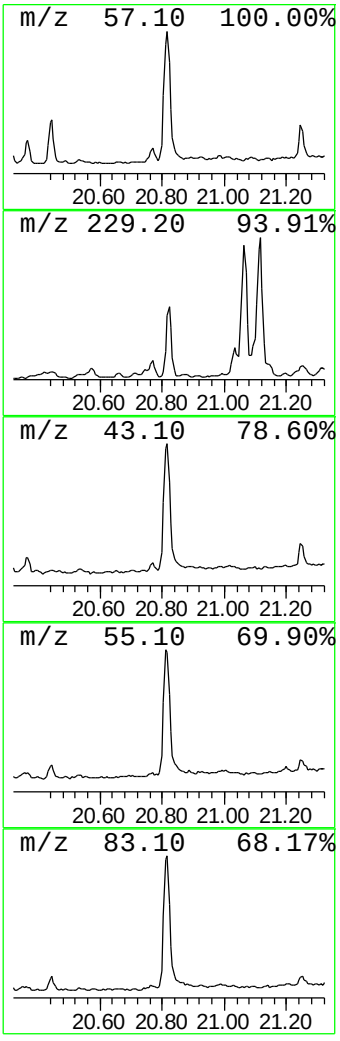
****

Peak Number 15 Cyclohexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	7.08 ng	1139350	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	93
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	89
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	89
4	1-Heneicosanol	312	C21H44O	015594-90-8	86
5	n-Nonadecanol-1	284	C19H40O	001454-84-8	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

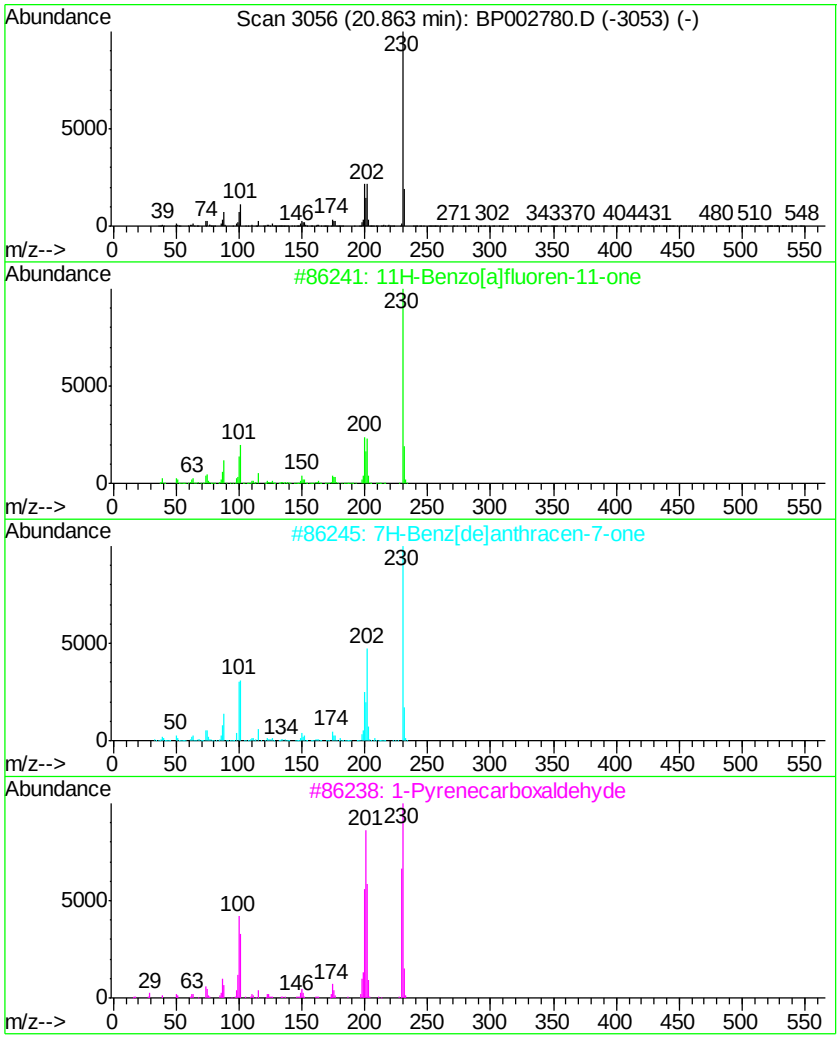
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

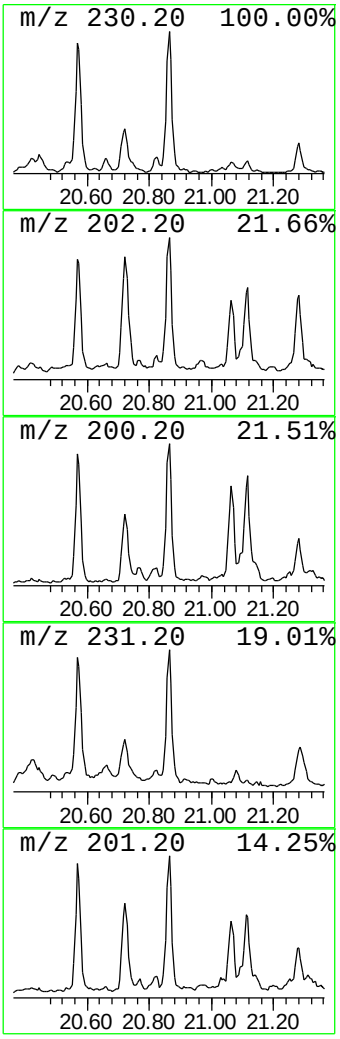
****

Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	2.40 ng	386062	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	o-Terphenyl	230	C18H14	000084-15-1	59
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

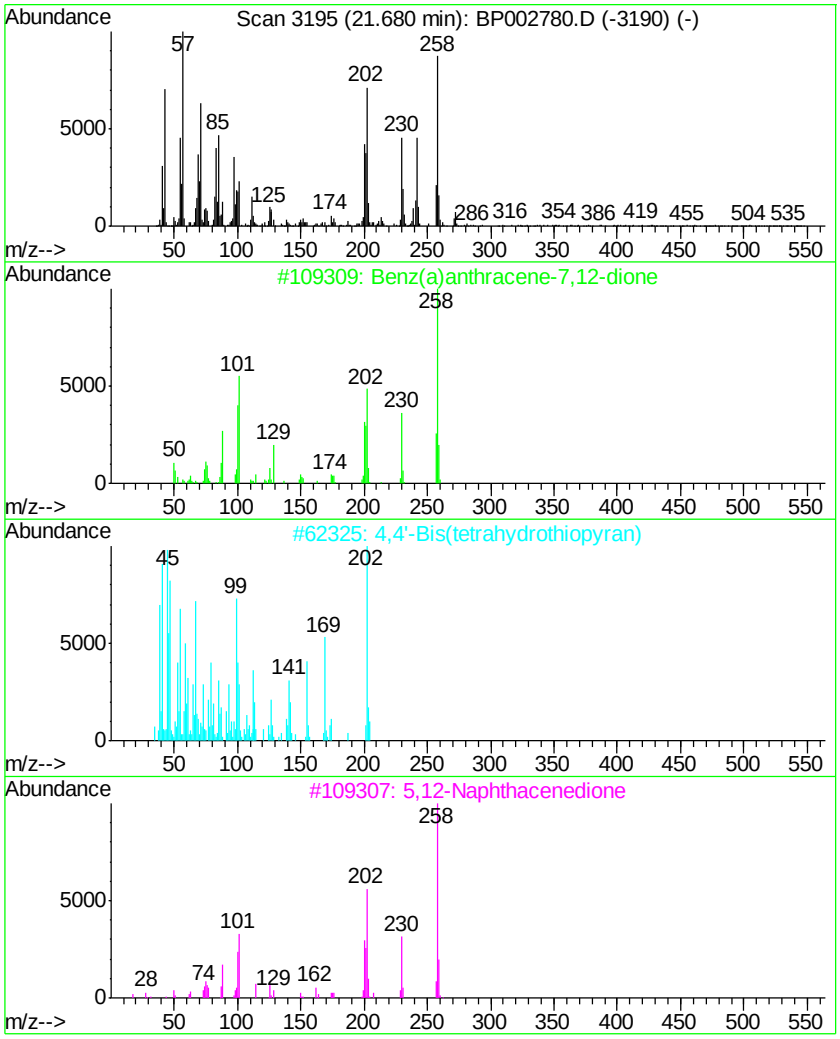
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

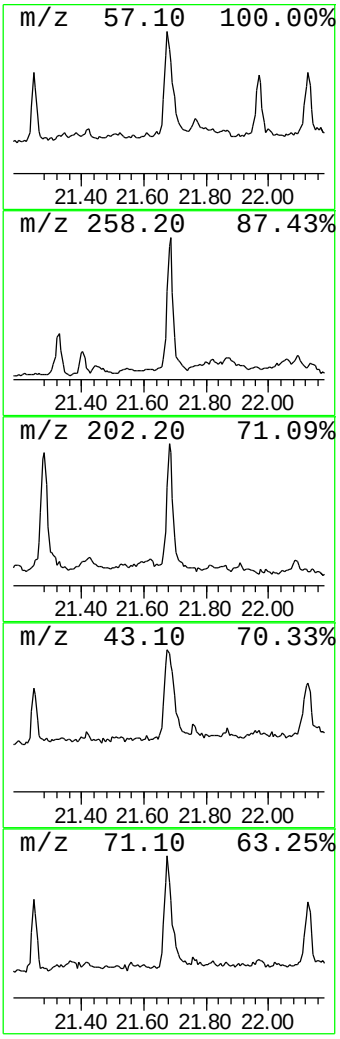
****

Peak Number 17 Benz(a)anthracene-7,12-dione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.68	2.96 ng	476241	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
2	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	90
3	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	55
4	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	27
5	Acetamide, 2-(4-cyano-1,6-diazat...	368	C19H17FN4OS	1000316-10-7	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

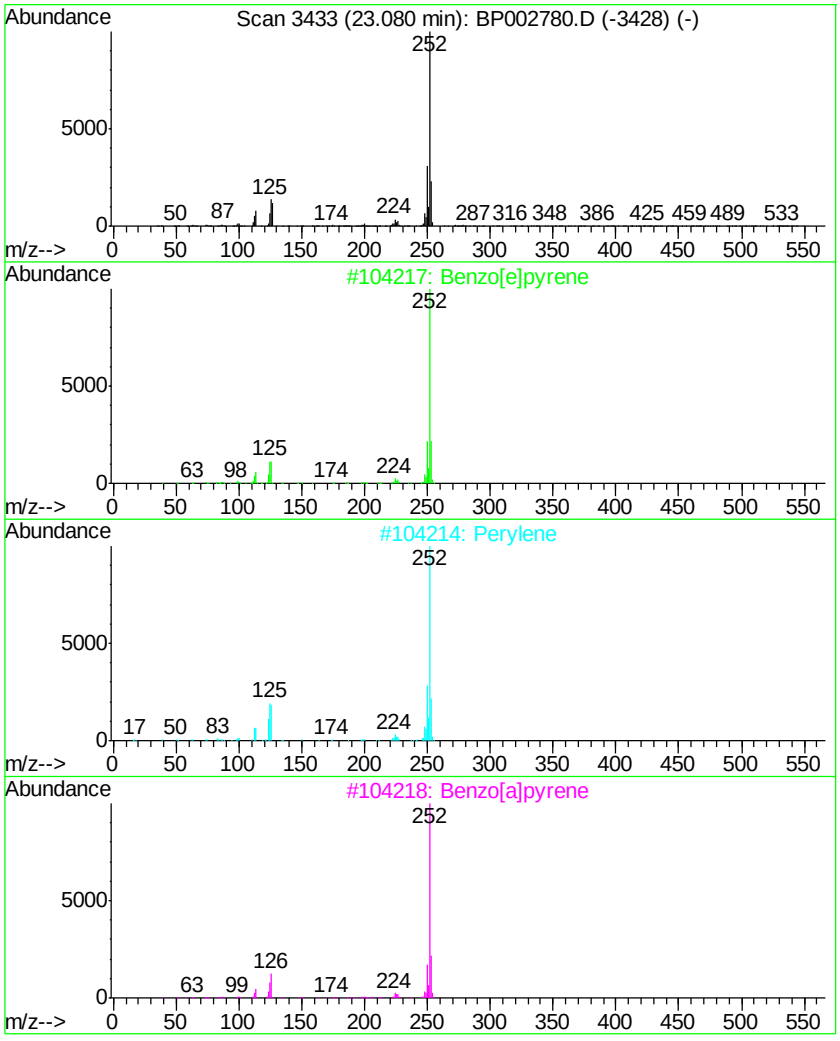
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

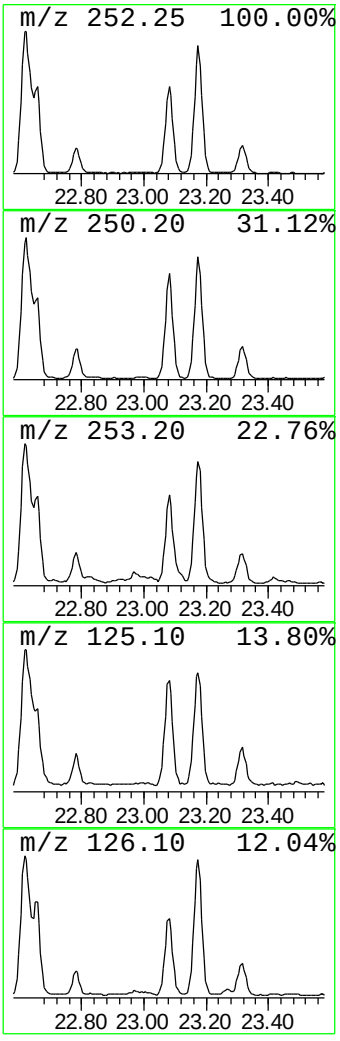
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.08	12.08 ng	955591	Perylene-d12	23.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

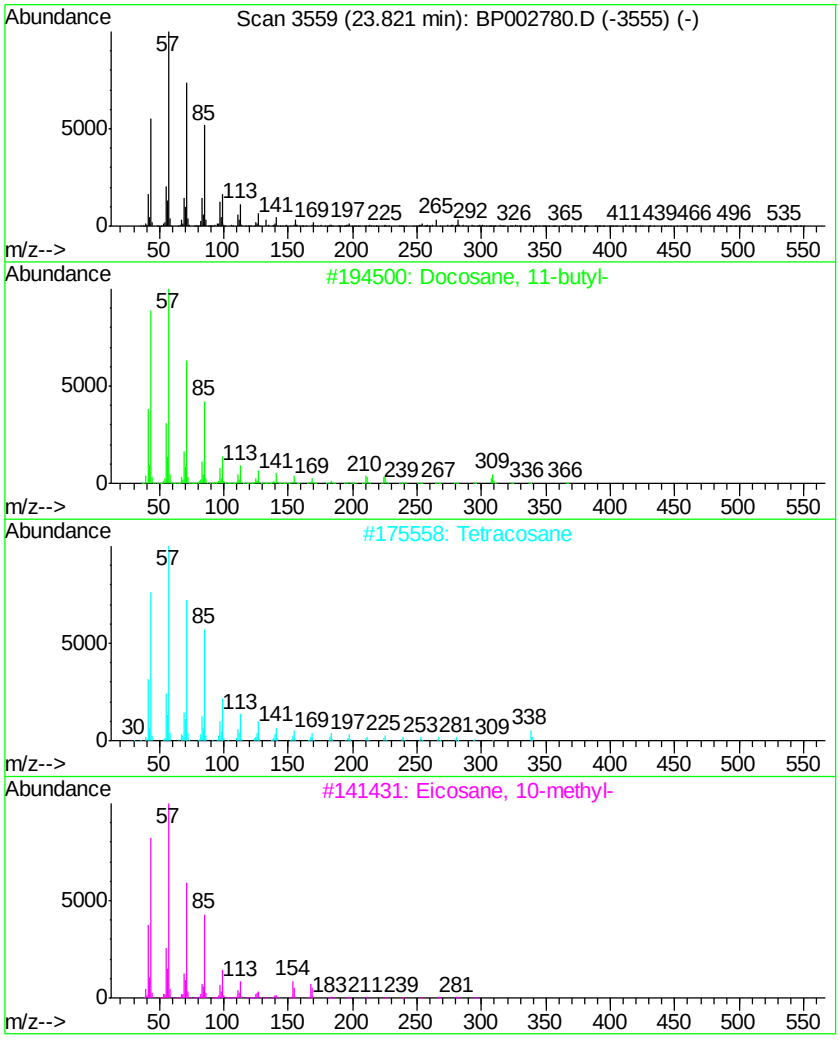
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

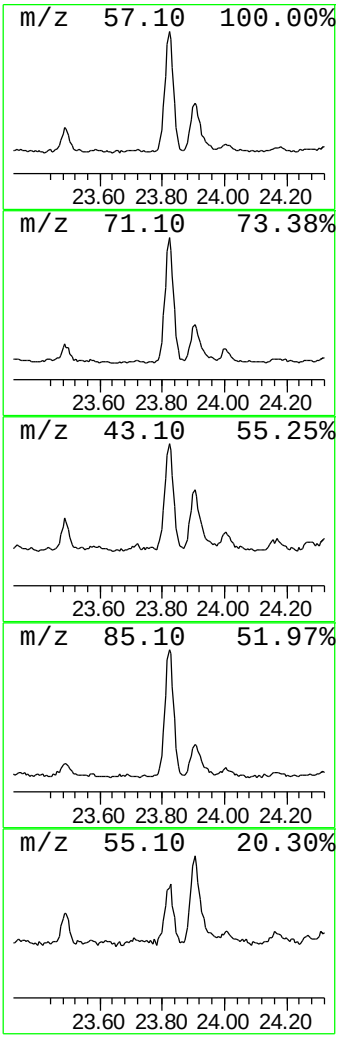
****

Peak Number 19 Docosane, 11-butyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.82	6.80 ng	538415	Perylene-d12	23.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 11-butyl-	366	C26H54	013475-76-8	95
2	Tetracosane	338	C24H50	000646-31-1	94
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	94
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
5	Eicosane	282	C20H42	000112-95-8	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

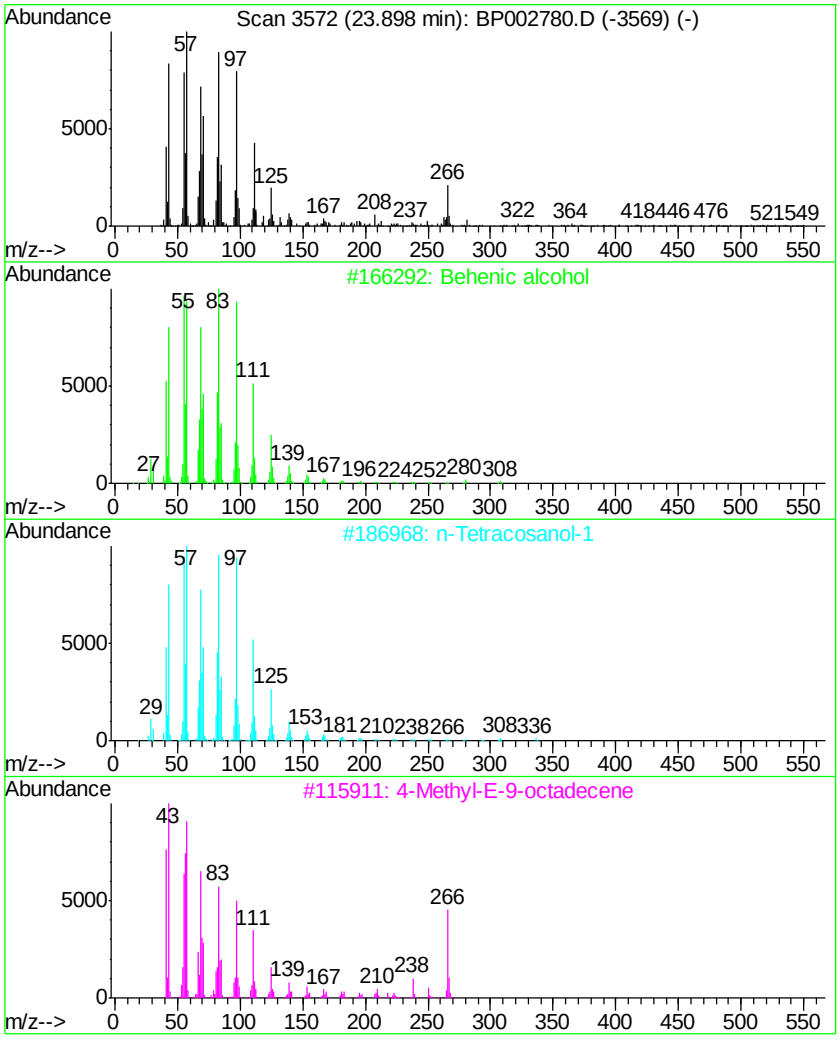
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

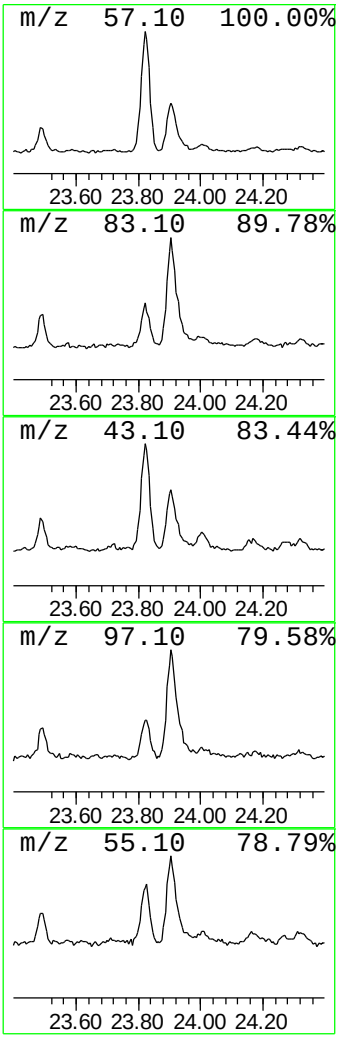
****

Peak Number 20 Behenic alcohol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.90	6.06 ng	479604	Perylene-d12	23.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	91
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
3	4-Methyl-E-9-octadecene	266	C19H38	1000130-87-1	90
4	1-Nonadecene	266	C19H38	018435-45-5	87
5	Cyclopentadecane	210	C15H30	000295-48-7	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : S-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethanol, 2-(2-eth...	7.18	3.1	ng	213882	1	7.56	1387320	20.0
9H-Fluoren-9-one	16.63	3.3	ng	357011	4	16.97	2180650	20.0
Dibenzothiophene	16.79	2.6	ng	281694	4	16.97	2180650	20.0
Anthracene, 2-met...	17.85	4.5	ng	489616	4	16.97	2180650	20.0
Phenanthrene, 2-m...	17.90	9.4	ng	1020940	4	16.97	2180650	20.0
4H-Cyclopenta[def...	18.03	6.8	ng	738193	4	16.97	2180650	20.0
1H-Cyclopropa[l]p...	18.07	2.7	ng	290374	4	16.97	2180650	20.0
Naphthalene, 2-ph...	18.34	2.4	ng	260463	4	16.97	2180650	20.0
9,10-Anthracenedione	18.37	3.6	ng	388833	4	16.97	2180650	20.0
unknown18.63	18.63	4.0	ng	441721	4	16.97	2180650	20.0
Phenanthrene, 2,5...	18.75	2.7	ng	292876	4	16.97	2180650	20.0
Cyclopenta(def)ph...	18.88	2.8	ng	306316	4	16.97	2180650	20.0
Pyrene, 1-methyl-	19.67	2.6	ng	418940	5	21.08	3218020	20.0
11H-Benzo[b]fluorene	19.84	2.5	ng	406551	5	21.08	3218020	20.0
Cyclohexadecane	20.82	7.1	ng	1139350	5	21.08	3218020	20.0
11H-Benzo[a]fluor...	20.86	2.4	ng	386062	5	21.08	3218020	20.0
Benz(a)anthracene...	21.68	3.0	ng	476241	5	21.08	3218020	20.0
Benzo[e]pyrene	23.08	12.1	ng	955591	6	23.27	1582570	20.0
Docosane, 11-butyl-	23.82	6.8	ng	538415	6	23.27	1582570	20.0
Behenic alcohol	23.90	6.1	ng	479604	6	23.27	1582570	20.0