LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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	4.122	205	210	216	rBV	81493	111080	2.26%	0.173%
2	4.705	303	309	322	rBV	1661435	2290103	46.62%	3.572%
3	5.175	383	389	406	rBV	657845	1006420	20.49%	1.570%
4	6.752	645	657	676	rBV	1173441	1997052	40.66%	3.115%
5	7.193	724	732	739	rBV3	37221	78074	1.59%	0.122%
6	7.546	785	792	802	rBV	491456	777786	15.83%	1.213%
7	8.693	973	987	999	rBV	910391	1625537	33.09%	2.536%
8	8.787	999	1003	1012	rVB	42760	70800	1.44%	0.110%
9	10.316	1253	1263	1277	rBV	565329	1025247	20.87%	1.599%
10	12.810	1680	1687	1708	rBV	1968715	3102242	63.16%	4.839%
11	13.663	1826	1832	1838	rBV	257461	388887	7.92%	0.607%
12	14.057	1893	1899	1908	rBV	29114	74394	1.51%	0.116%
13	14.198	1916	1923	1929	rBV	746430	1164427	23.71%	1.816%
14	14.257	1929	1933	1943	rVB	76437	124902	2.54%	0.195%
15	14.604	1986	1992	2001	rBV	29282	55511	1.13%	0.087%
16	15.257	2096	2103	2109	rBV2	64234	95426	1.94%	0.149%
17	15.704	2173	2179	2190	rBV	383329	628029	12.79%	0.980%
18	16.775	2354	2361	2365	rVV2	50963	93182	1.90%	0.145%
19	16.957	2386	2392	2395	rBV	942399	1275092	25.96%	1.989%
20	16.998	2395	2399	2406	rVV	1117331	1594878	32.47%	2.488%
21	17.092	2407	2415	2422	rVV	284804	471038	9.59%	0.735%
22	17.157	2422	2426	2433	rVB	38484	65312	1.33%	0.102%
23	17.369	2454	2462	2467	rBV2	174601	285945	5.82%	0.446%
24	17.839	2537	2542	2545	rBV	109826	153852	3.13%	0.240%
25	17.886	2545	2550	2556	rVV	185706	263805	5.37%	0.412%
26	17.963	2559	2563	2568	rVV	60774	95936	1.95%	0.150%
27	18.022	2568	2573	2577	rVV2	285711	451246	9.19%	0.704%
28	18.063	2577	2580	2588	rVB	91670	136929	2.79%	0.214%
29	18.175	2596	2599	2604	rVB3	47152	58622	1.19%	0.091%
30	18.327	2621	2625	2628	rBV	105730	129304	2.63%	0.202%
31	18.369	2628	2632	2639	rVB3	75321	117832	2.40%	0.184%
32	18.451	2643	2646	2651	rBV2	37783	49670	1.01%	0.077%
33	18.569	2663	2666	2670	rVB	48344	54145	1.10%	0.084%
34	18.616	2670	2674	2678	rVV	166828	217550	4.43%	0.339%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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	18.657	2678	2681	2685	rVB	57250	68707	1.40%	0.107%
36	18.733	2690	2694	2698	rBV	96112	136261	2.77%	0.213%
37	18.792	2698	2704	2708	rBV4	85749	173322	3.53%	0.270%
38	18.869	2713	2717	2724	rBV4	70682	128183	2.61%	0.200%
39	18.986	2732	2737	2745	rBV	3369292	4515287	91.92%	7.044%
40	19.086	2751	2754	2758	rVB2	66889	78614	1.60%	0.123%
41	19.222	2774	2777	2782	rVB	101034	144118	2.93%	0.225%
42	19.339	2788	2797	2806	rBV	2921707	4912073	100.00%	7.662%
43	19.422	2806	2811	2817	rVB3	133080	263299	5.36%	0.411%
44	19.545	2824	2832	2836	rBV	3457090	4394034	89.45%	6.854%
45	19.580	2836	2838	2844	rVB	222691	259212	5.28%	0.404%
46	19.663	2846	2852	2853	rBV	154108	257745	5.25%	0.402%
47	19.710	2858	2860	2864	rVB	89013	96621	1.97%	0.151%
48	19.792	2870	2874	2875	rBV4	117846	142525	2.90%	0.222%
49	19.827	2876	2880	2885	rVB	571474	754465	15.36%	1.177%
50	19.874	2885	2888	2891	rBV3	74317	82958	1.69%	0.129%
51	19.927	2893	2897	2901	rBV	498111	589392	12.00%	0.919%
52	19.980	2901	2906	2909	rVV2	291928	439448	8.95%	0.686%
53	20.016	2909	2912	2917	rVB	156203	233483	4.75%	0.364%
54	20.116	2926	2929	2933	rBV2	160870	190519	3.88%	0.297%
55	20.163	2933	2937	2941	rBV	225688	305339	6.22%	0.476%
56	20.527	2995	2999	3002	rBV3	114050	202199	4.12%	0.315%
57	20.563	3002	3005	3011	rVB	236753	327984	6.68%	0.512%
58	20.721	3025	3032	3035	rBV2	430383	769058	15.66%	1.200%
59	20.757	3035	3038	3041	rVB	336199	356301	7.25%	0.556%
60	20.798	3041	3045	3050	rBV4	529205	881510	17.95%	1.375%
61	20.957	3069	3072	3077	rBV	114903	169515	3.45%	0.264%
62	21.057	3084	3089	3094	rBV3	2409116	4475842	91.12%	6.982%
63	21.104	3094	3097	3107	rVB	1984107	2527152	51.45%	3.942%
64	21.186	3108	3111	3113	rBV2	115194	131836	2.68%	0.206%
65	21.216	3113	3116	3122	rBV2	406292	640964	13.05%	1.000%
66	21.327	3133	3135	3139	rVB	196068	202474	4.12%	0.316%
67	21.374	3139	3143	3148	rBV2	331789	502069	10.22%	0.783%
68	21.663	3189	3192	3197	rVB2	243169	319698	6.51%	0.499%
69	21.798	3213	3215	3218	rBV2	158069	185953	3.79%	0.290%
70	21.833	3218	3221	3227	rVB3	276092	381029	7.76%	0.594%
71	22.610	3347	3353	3357	rBV	1495498	3227991	65.72%	5.035%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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	22.768	3377	3380	3385	rVB	241915	351290	7.15%	0.548%
73	23.068	3426	3431	3439	rVB	921686	1695160	34.51%	2.644%
74	23.163	3441	3447	3454	rVV	1416143	2535973	51.63%	3.956%
75	23.257	3457	3463	3468	rVV2	976673	1922516	39.14%	2.999%
76	23.304	3468	3471	3479	rVB	418870	753743	15.34%	1.176%
77	25.456	3831	3837	3848	rVB	671023	1798247	36.61%	2.805%
78	26.133	3946	3952	3966	rVB2	518129	1451070	29.54%	2.264%

Sum of corrected areas: 64105434

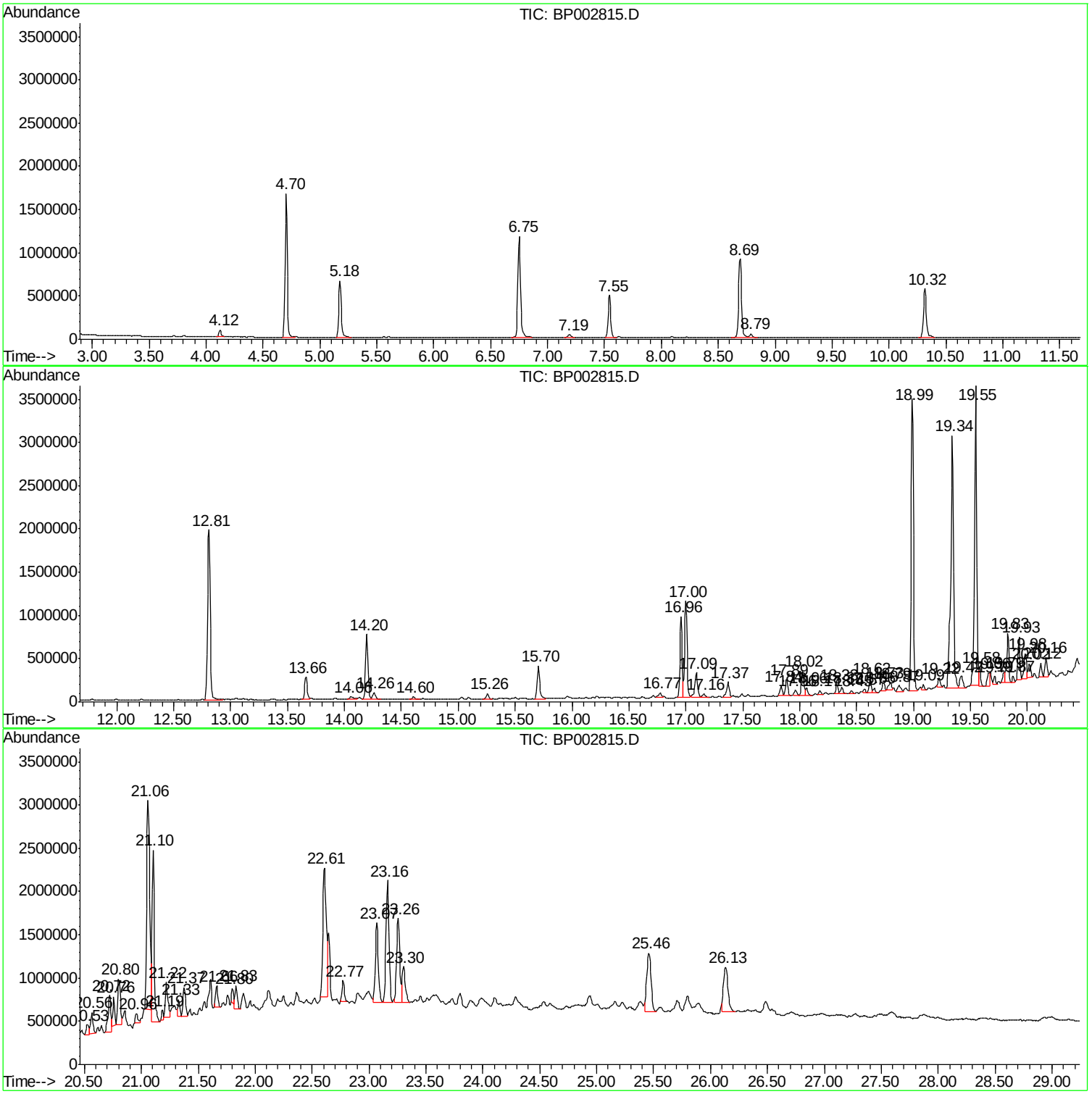
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

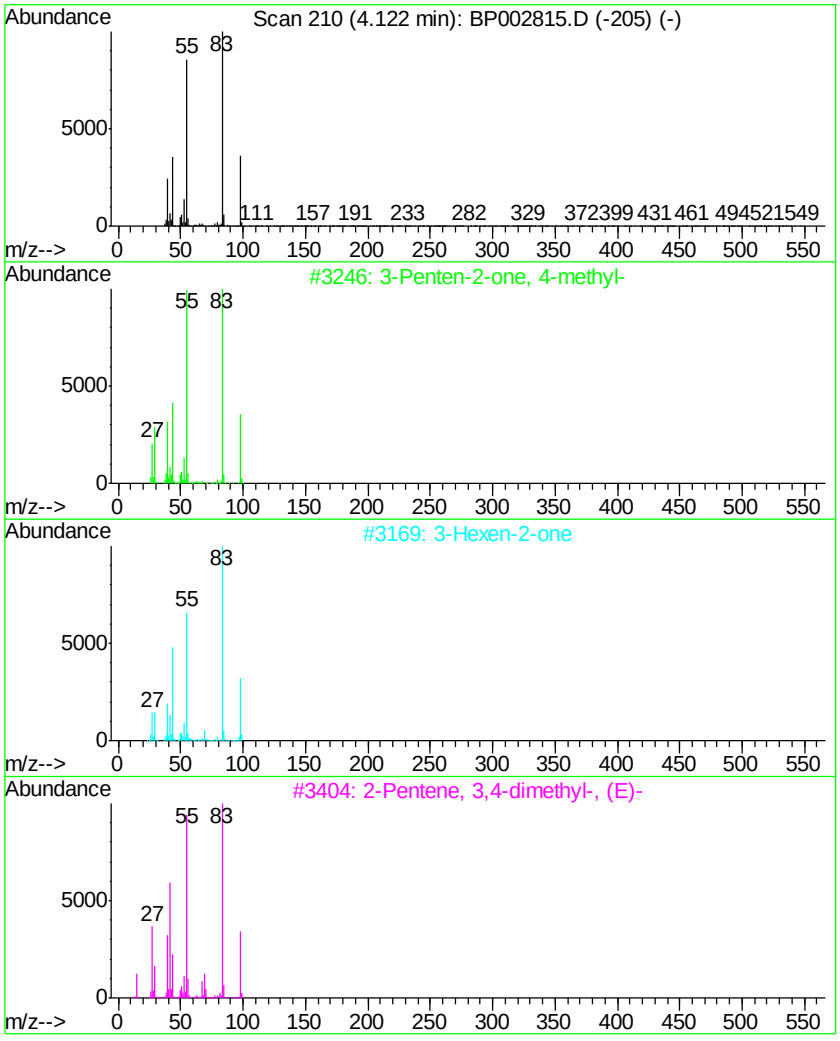
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

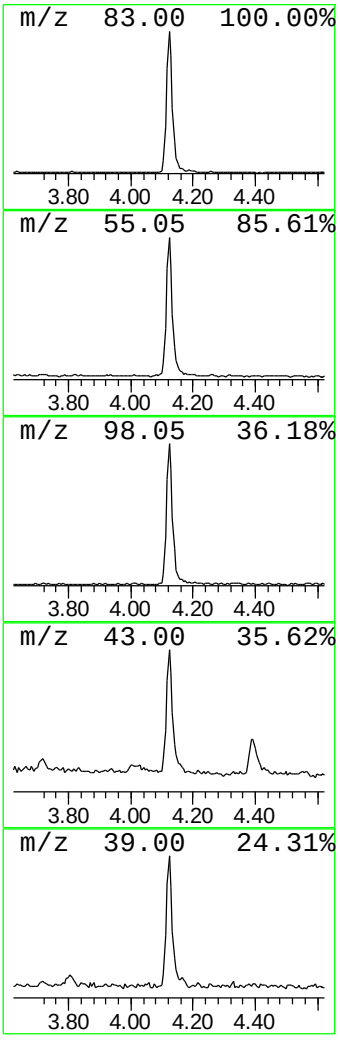
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.12	2.86 ng	111080	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	90
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

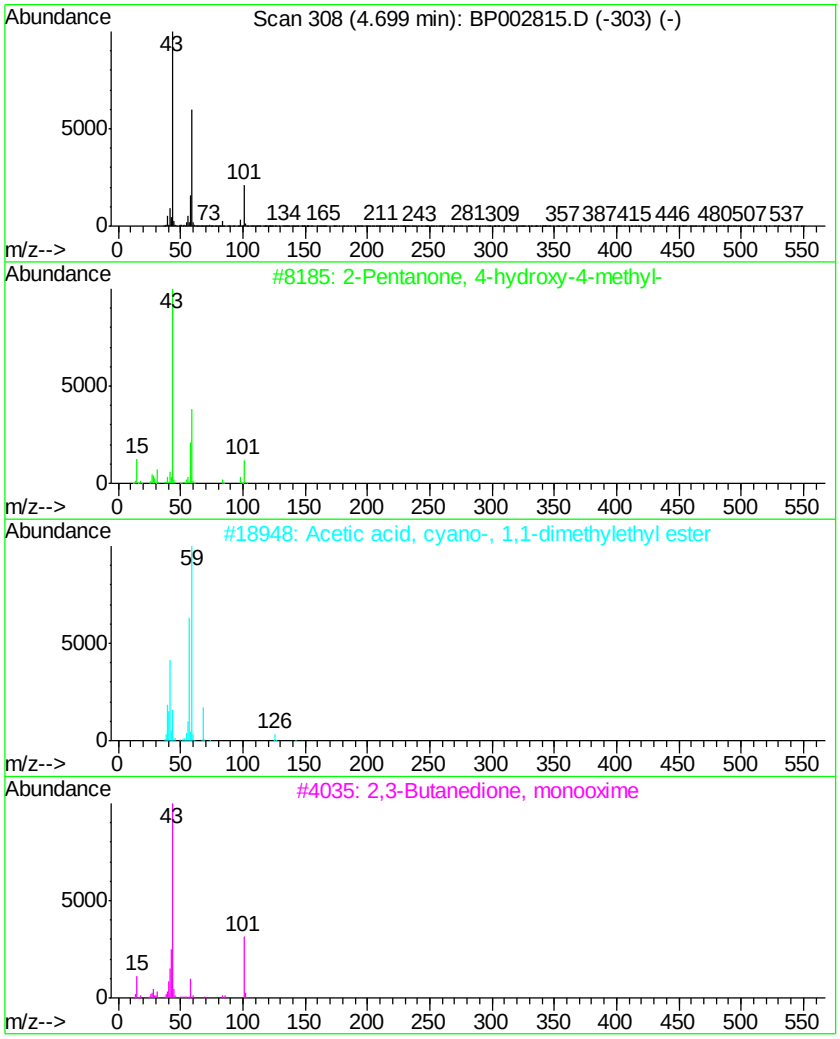
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

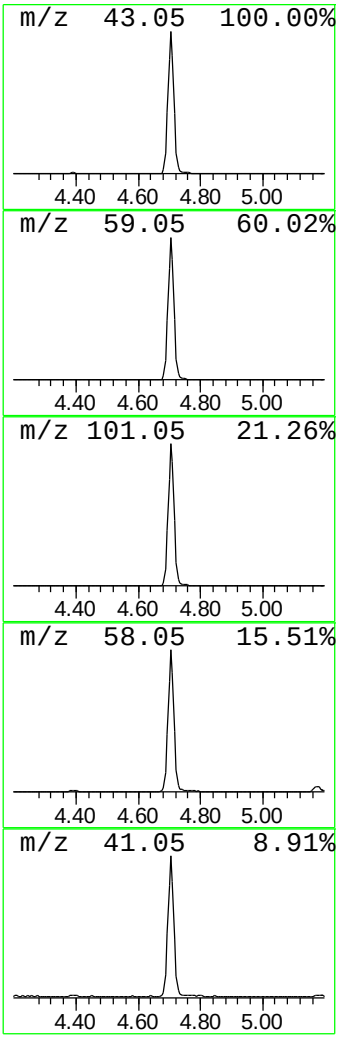
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.70	58.89 ng	2290100	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

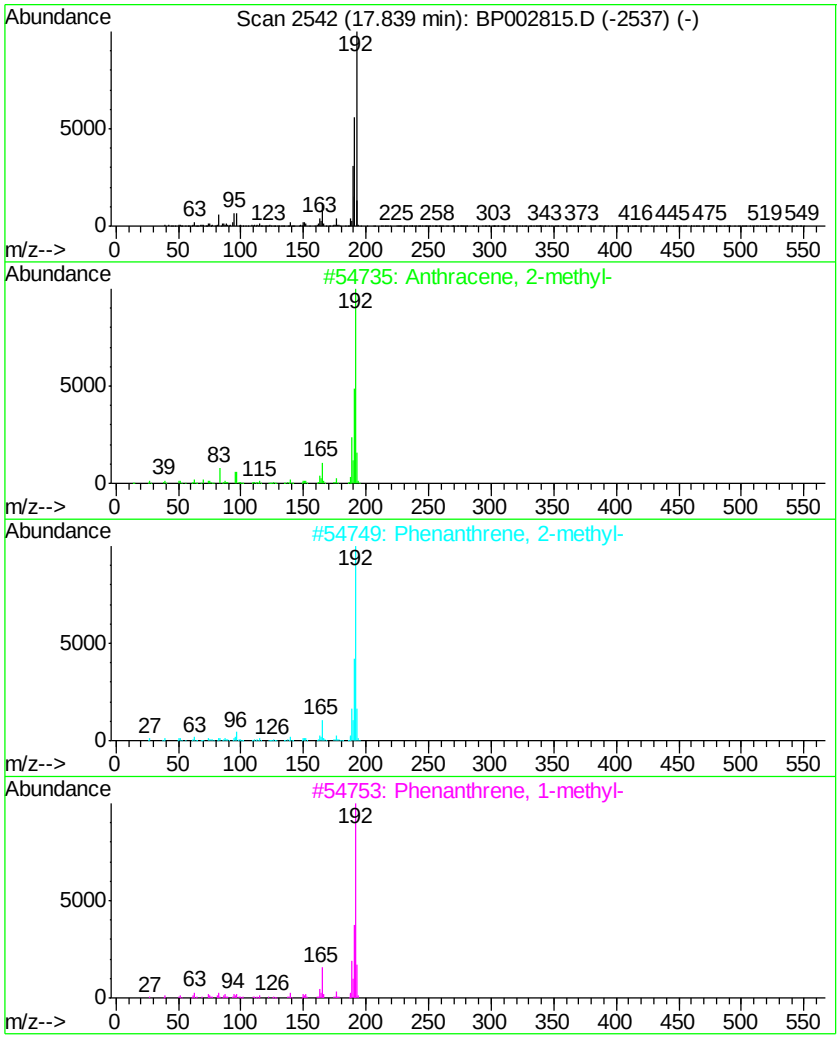
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

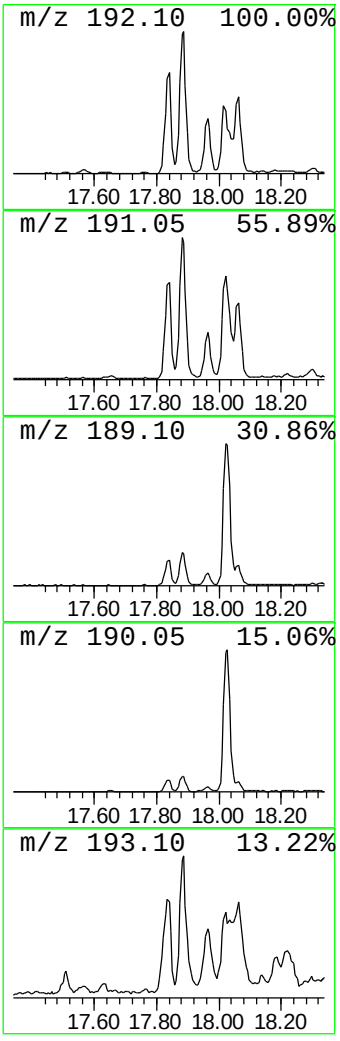
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	2.41 ng	153852	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

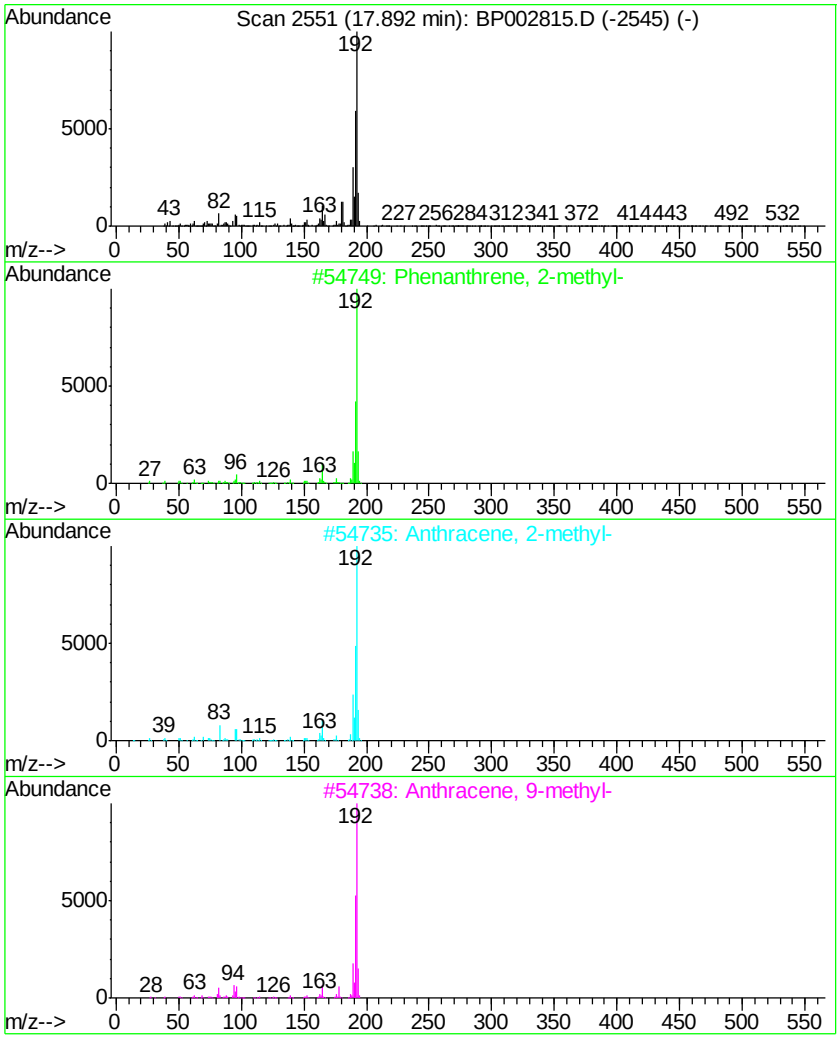
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

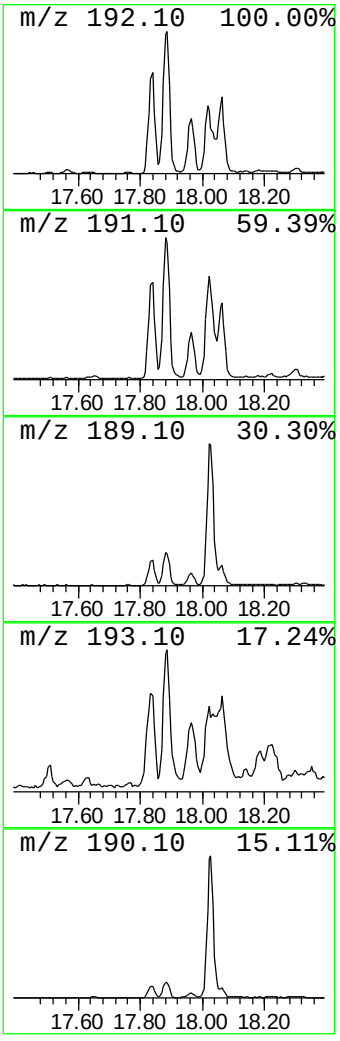
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	4.14 ng	263805	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

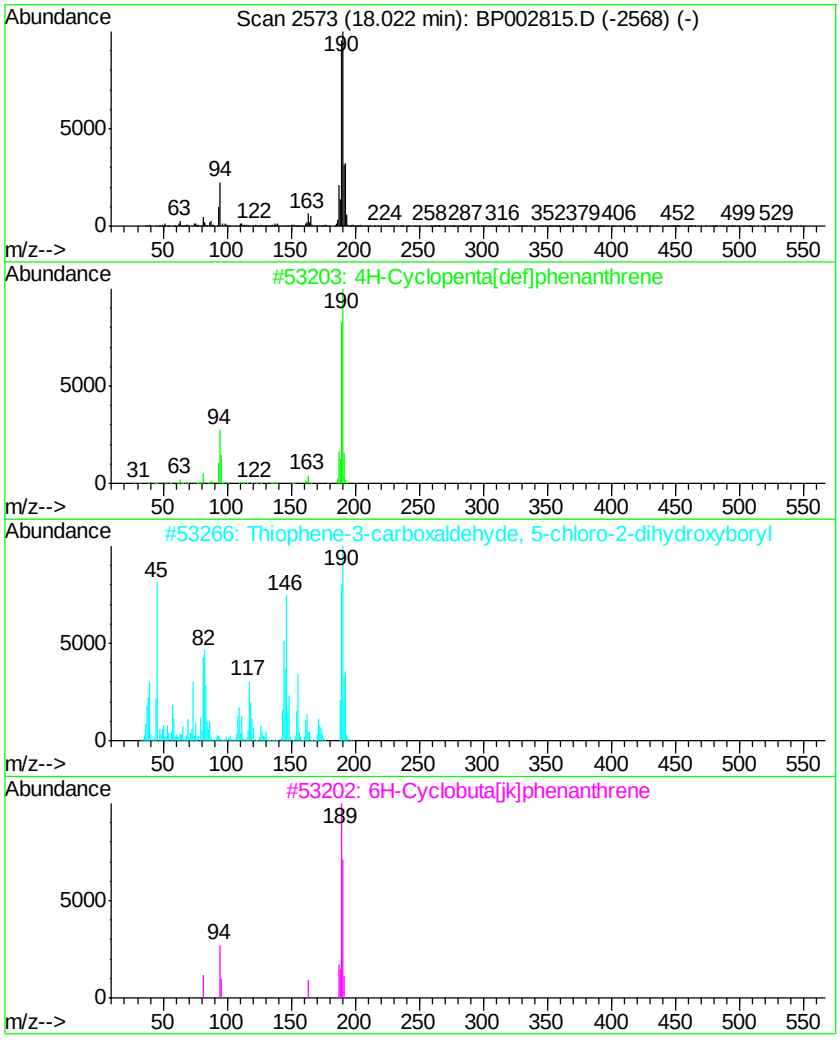
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

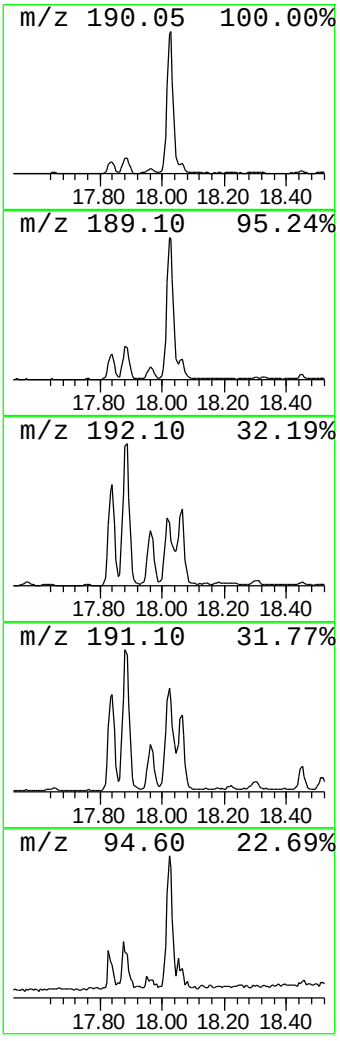
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	7.08 ng	451246	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	46
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

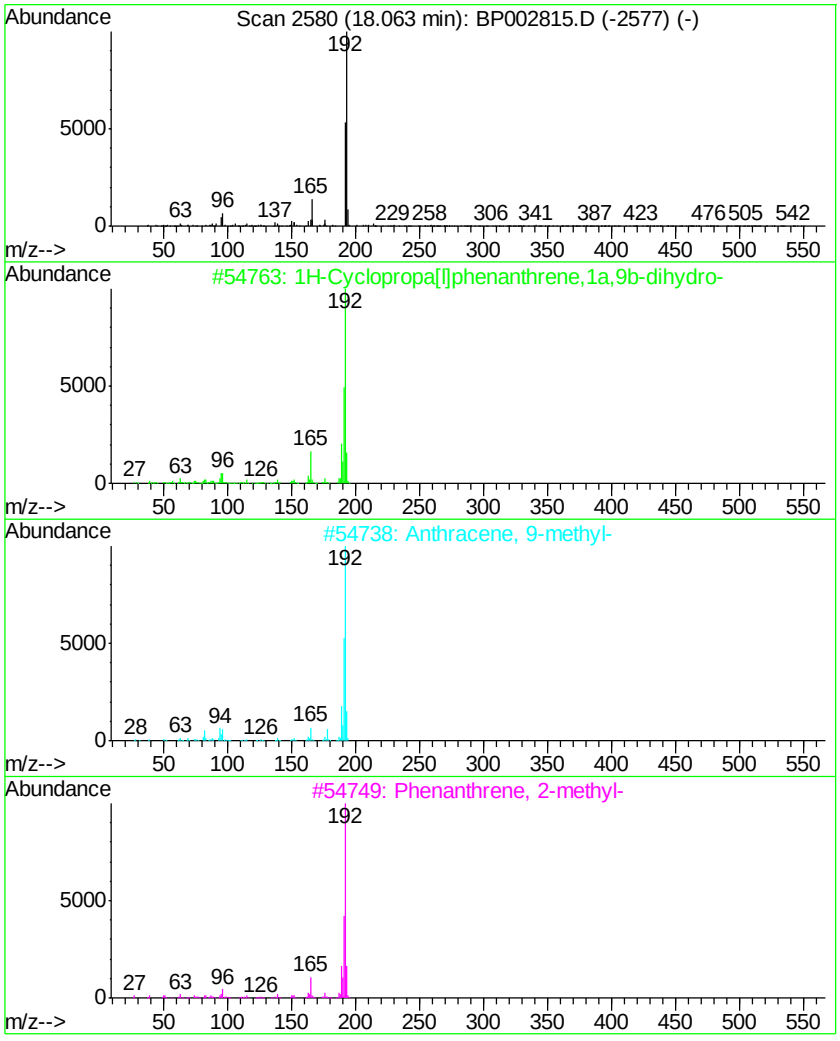
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

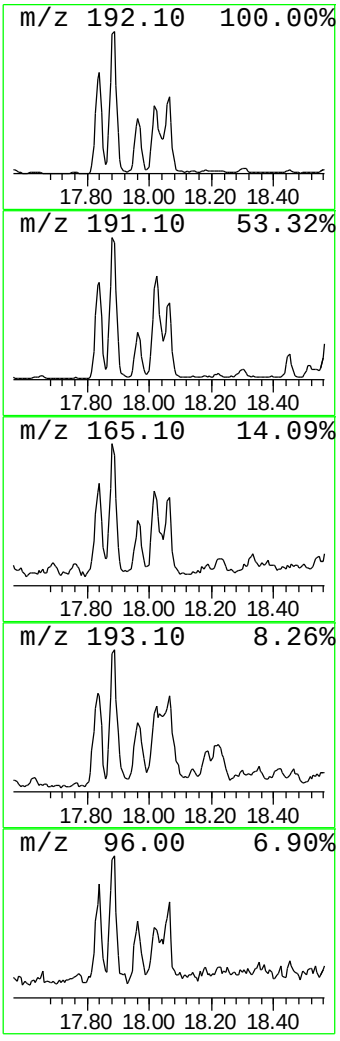
****

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	2.15 ng	136929	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	86
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

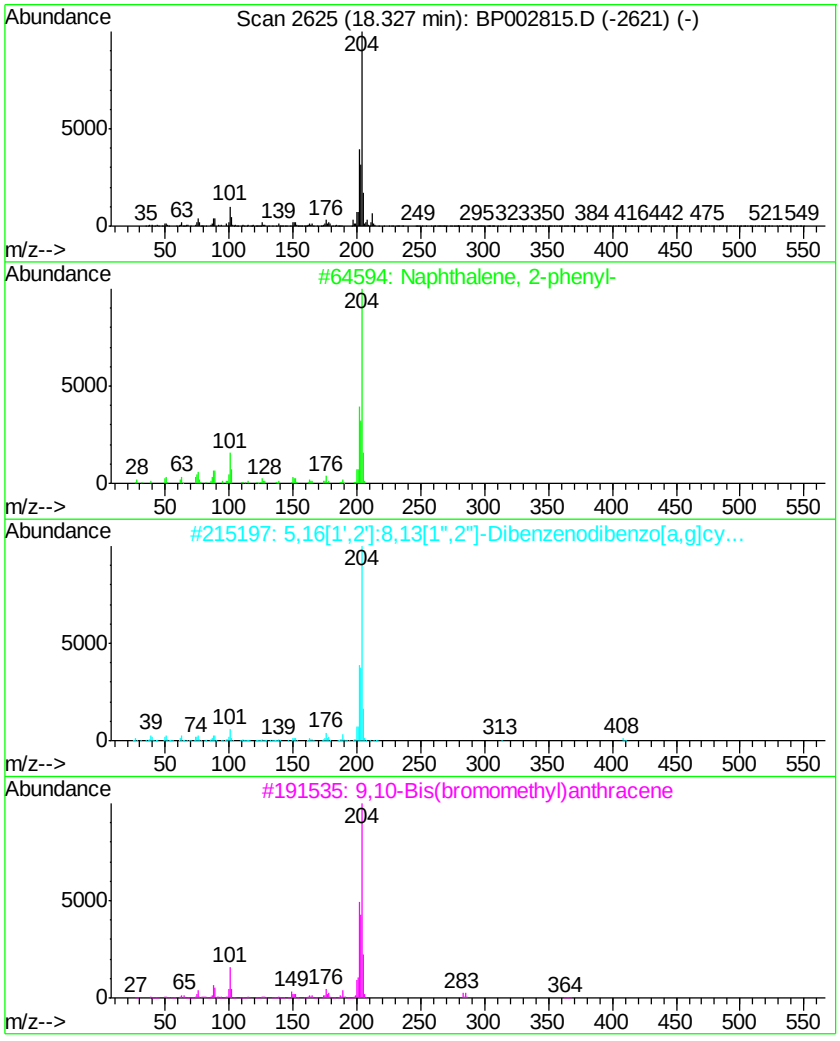
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

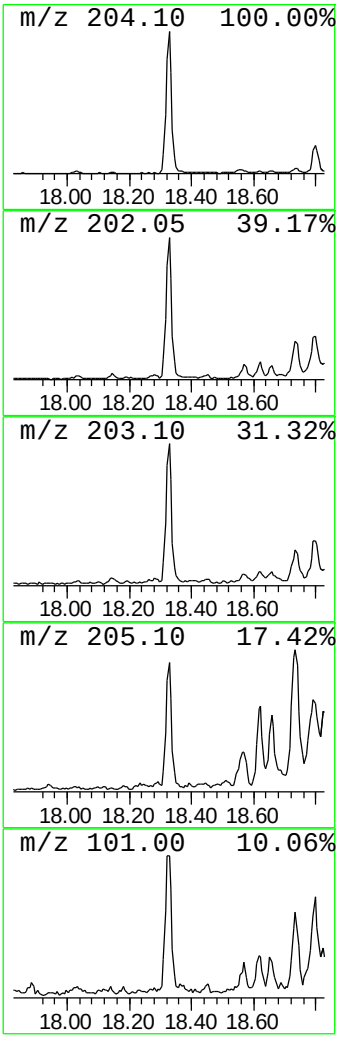
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	2.03 ng	129304	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

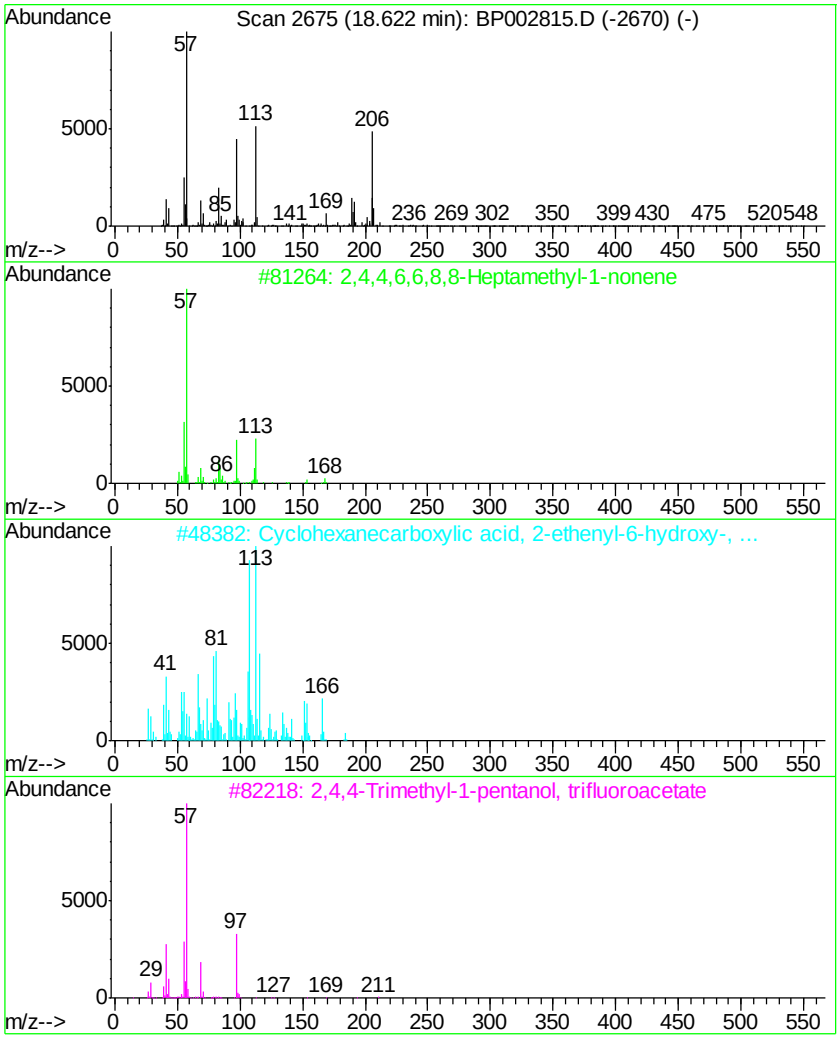
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

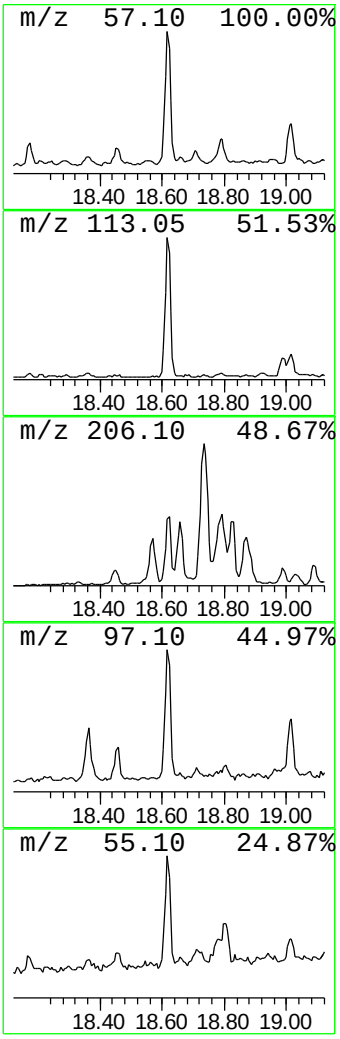
****

Peak Number 9 unknown18.62 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	3.41 ng	217550	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,4,6,6,8,8-Heptamethyl-1-nonene	224	C16H32	015796-04-0	22
2	Cyclohexanecarboxylic acid, 2-et...	184	C10H16O3	113122-03-5	15
3	2,4,4-Trimethyl-1-pentanol, trif...	226	C10H17F3O2	1000365-19-5	14
4	3-Bromo-5,5-dimethyl-2,4-imidazo...	206	C5H7BrN2O2	058402-65-6	14
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

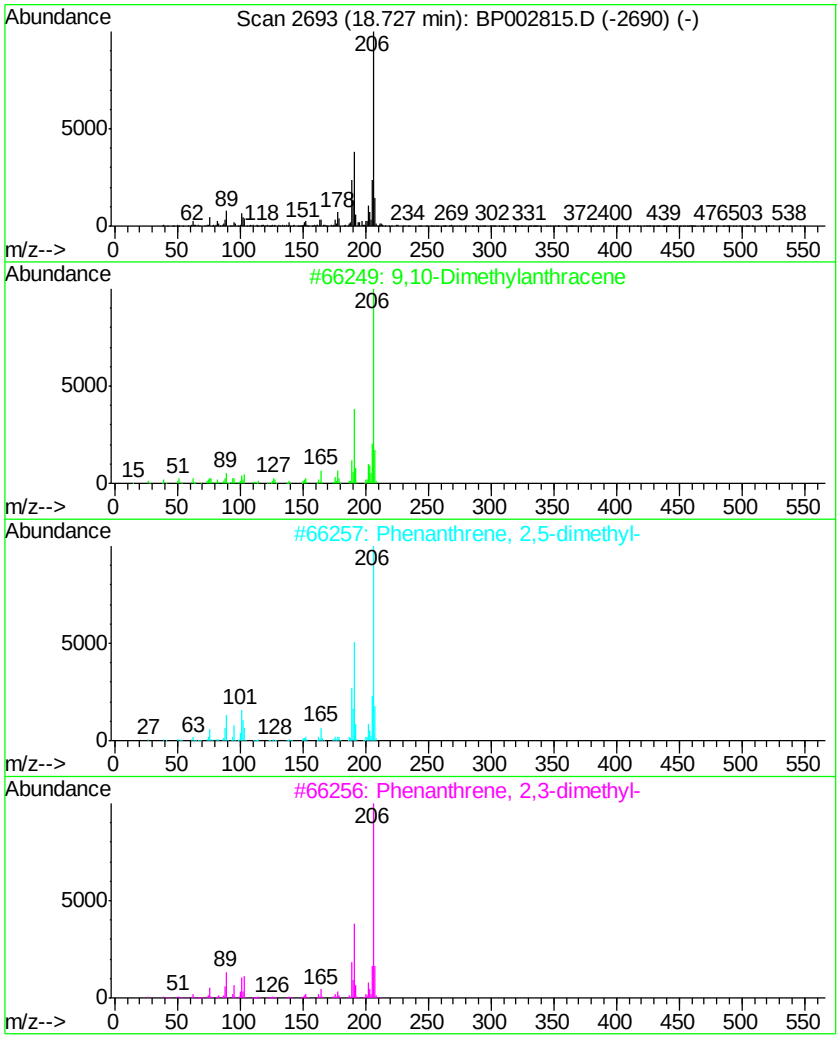
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

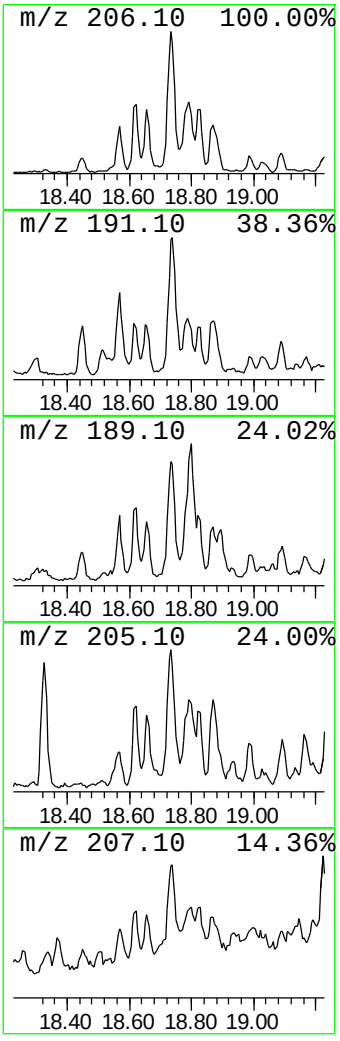
****

Peak Number 10 9,10-Dimethylanthracene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	2.14 ng	136261	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

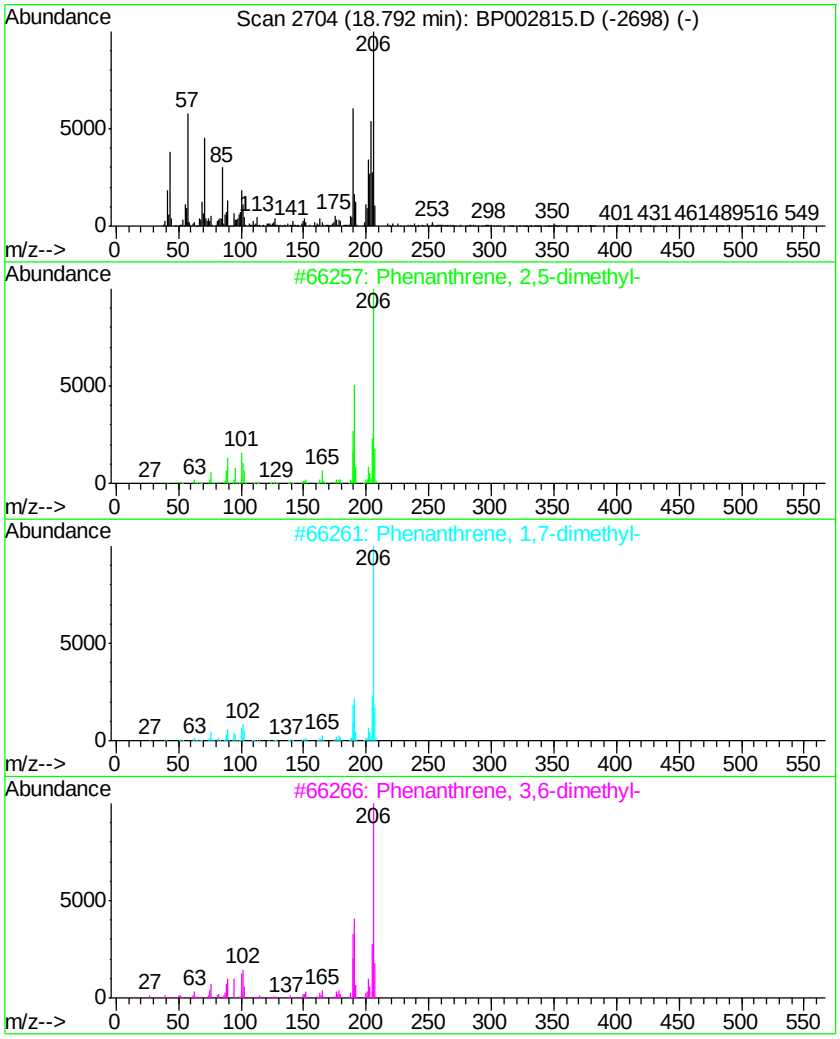
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

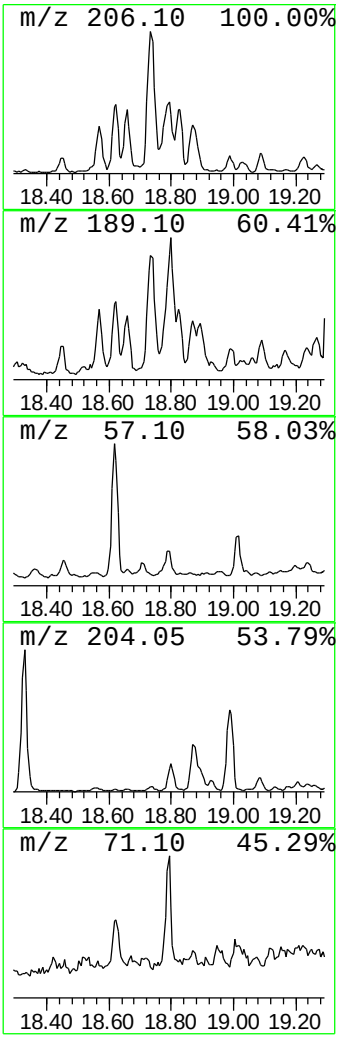
****

Peak Number 11 unknown18.79 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	2.72 ng	173322	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	38
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	30
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

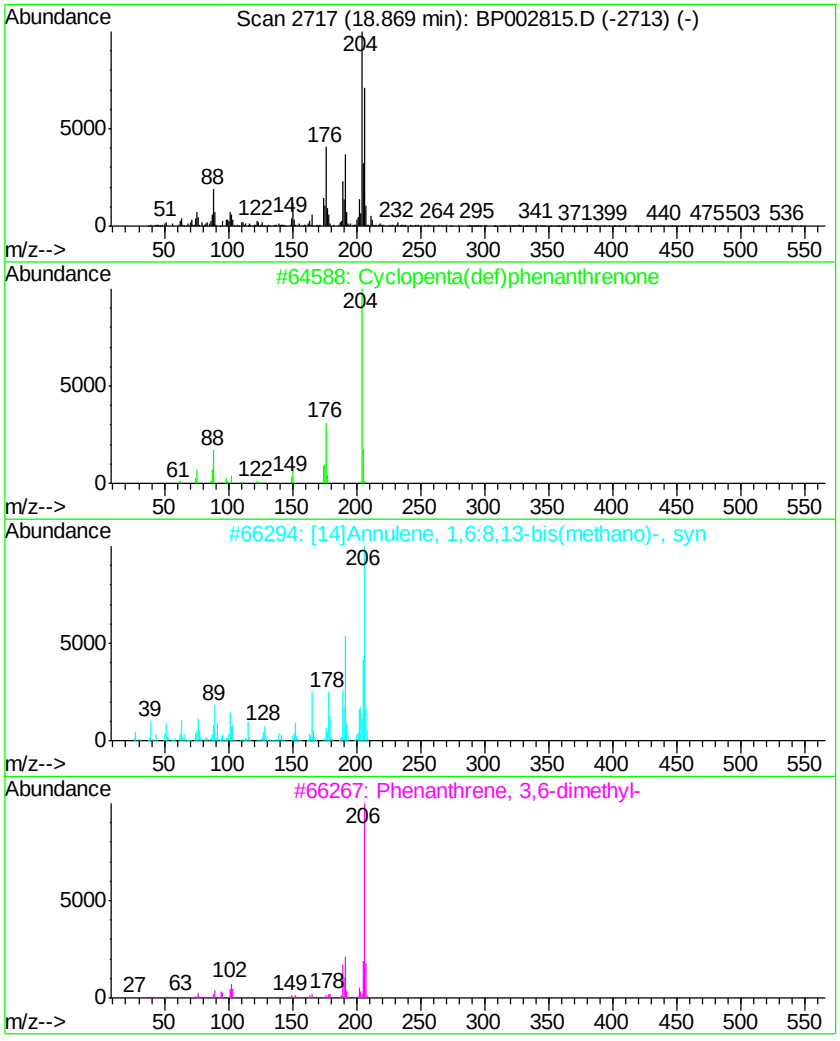
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

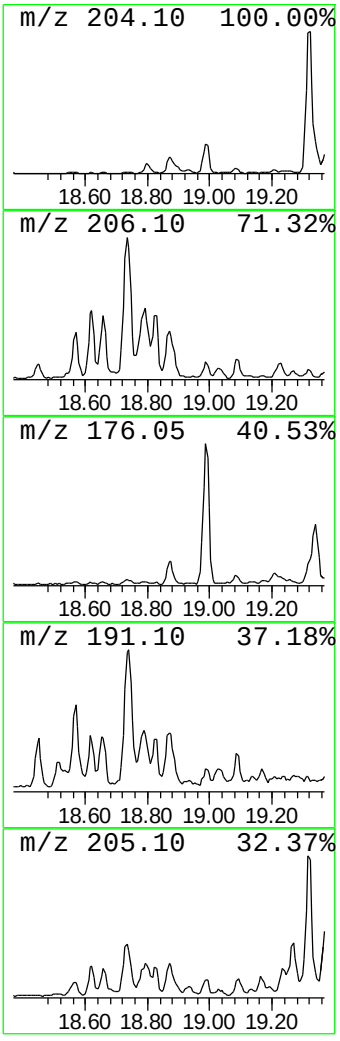
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.01 ng	128183	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	50
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	41
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	41
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	41
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

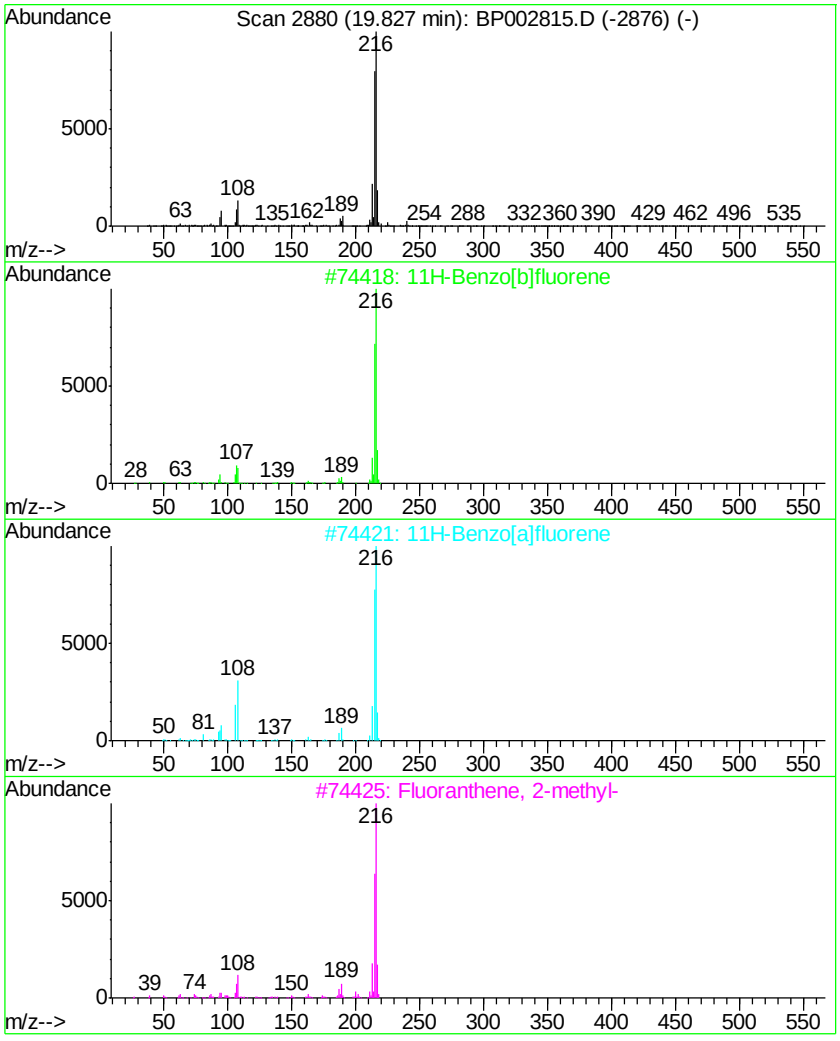
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

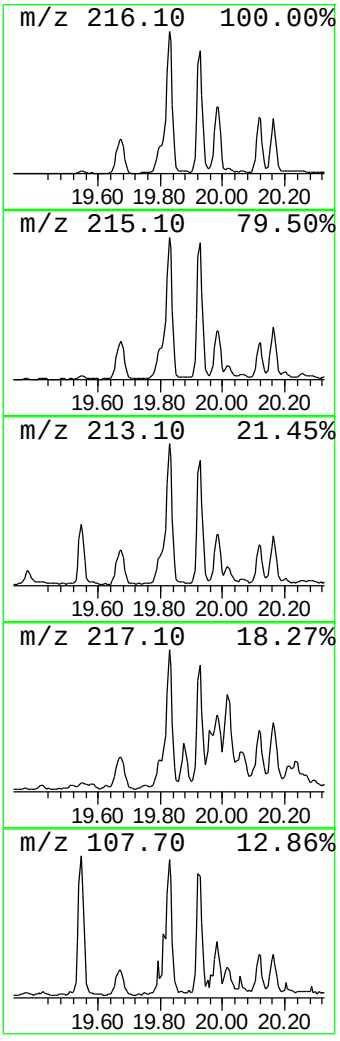
****

Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	3.37 ng	754465	Chrysene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

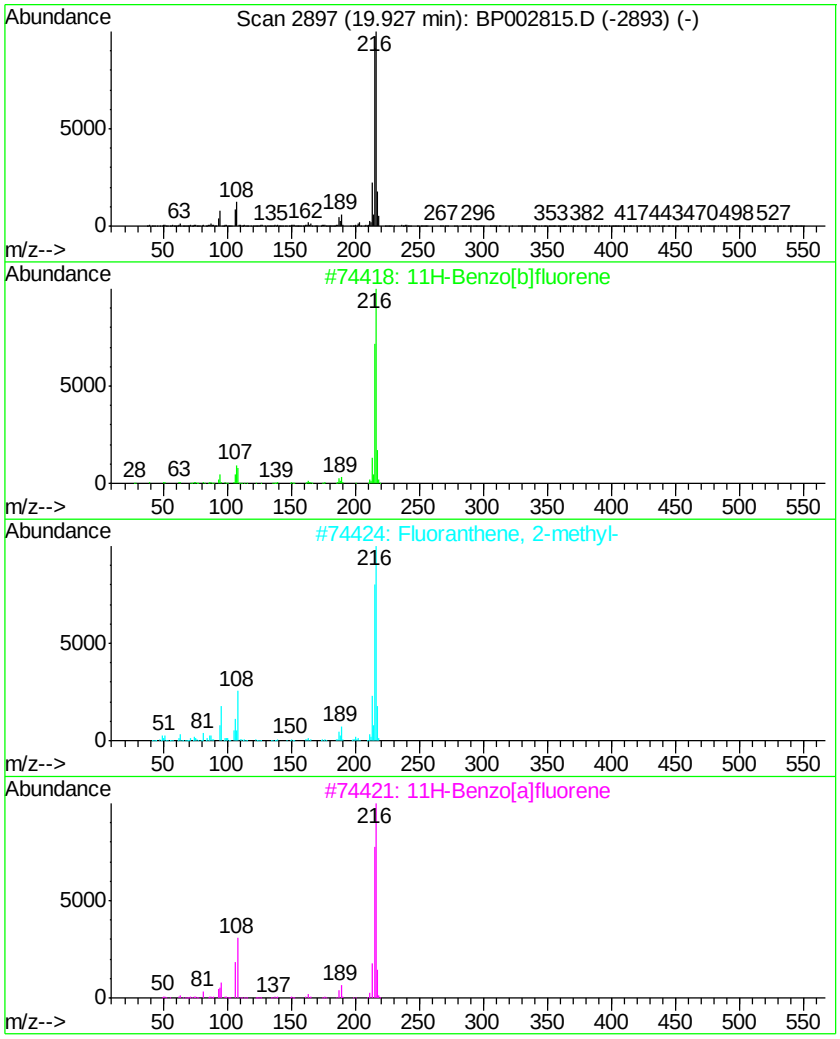
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

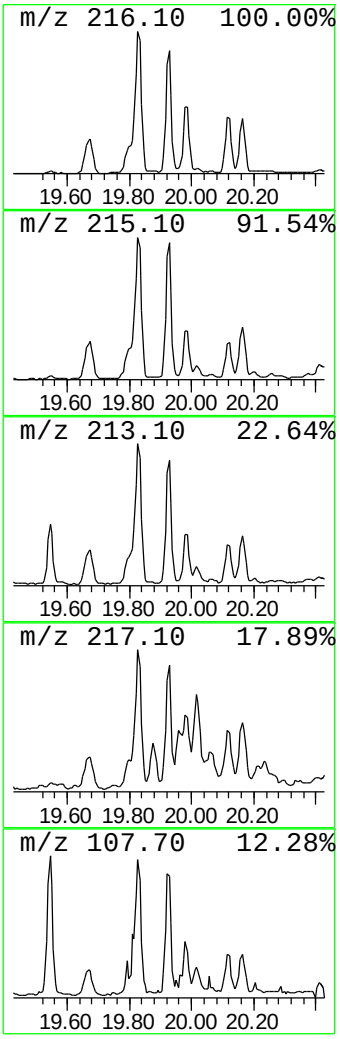
****

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	2.63 ng	589392	Chrysene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

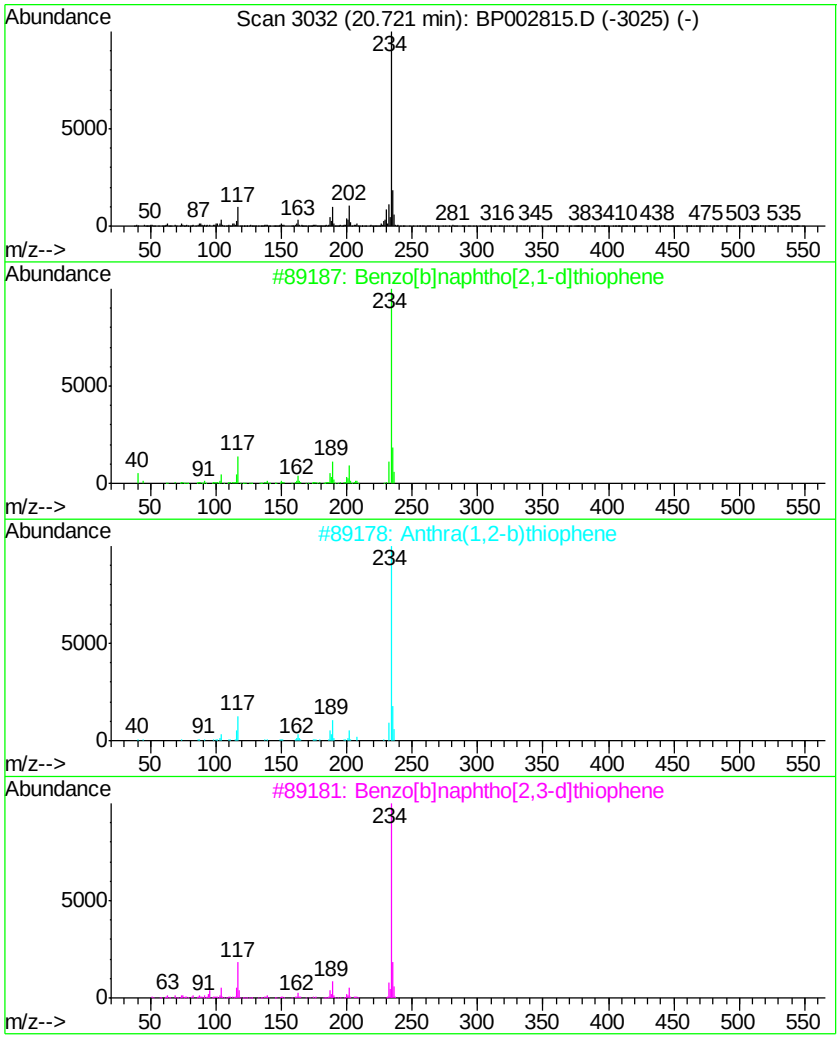
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

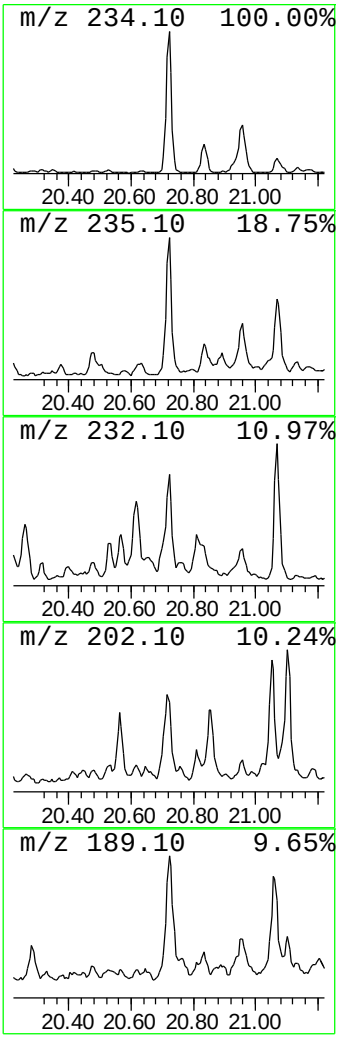
****

Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.72	3.44 ng	769058	Chrysene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	96
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

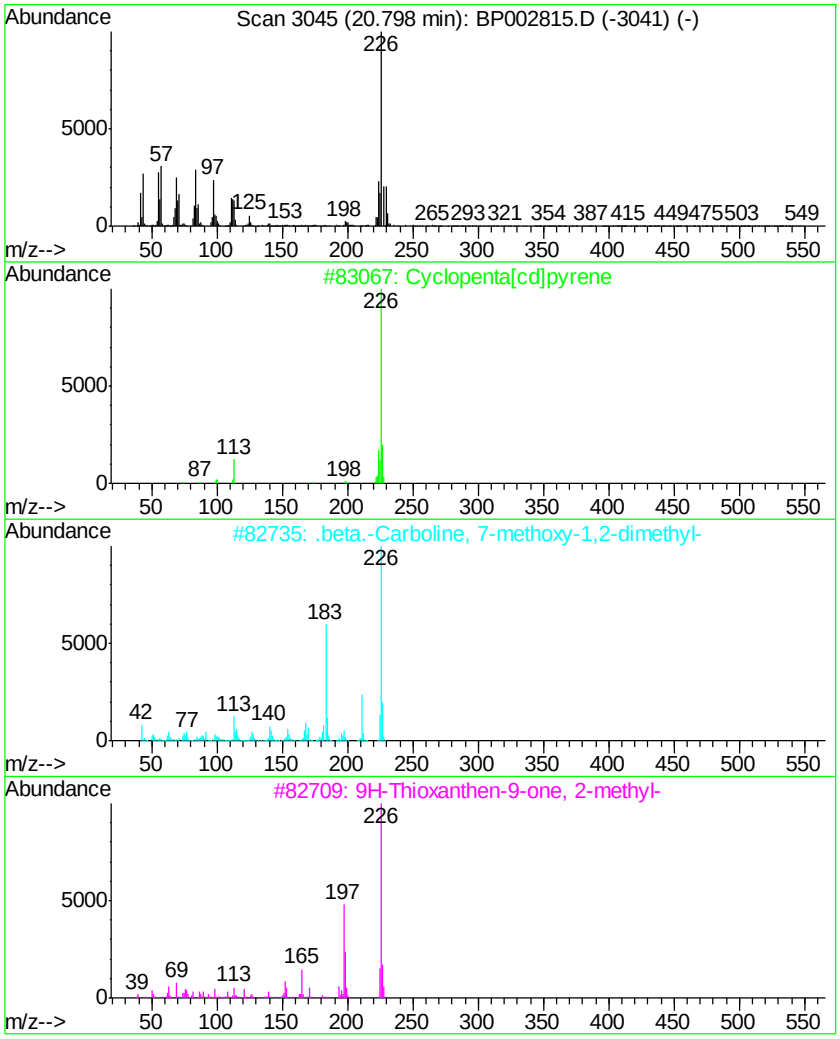
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

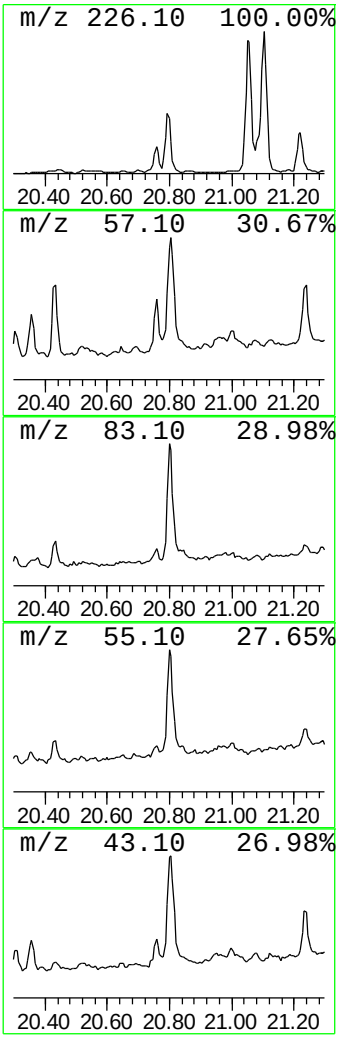
****

Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	3.94 ng	881510	Chrysene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	46
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	37
5	Phenol, 2-[5-(2-furanyl)-3-1H-py...	226	C13H10N2O2	038371-84-5	28





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

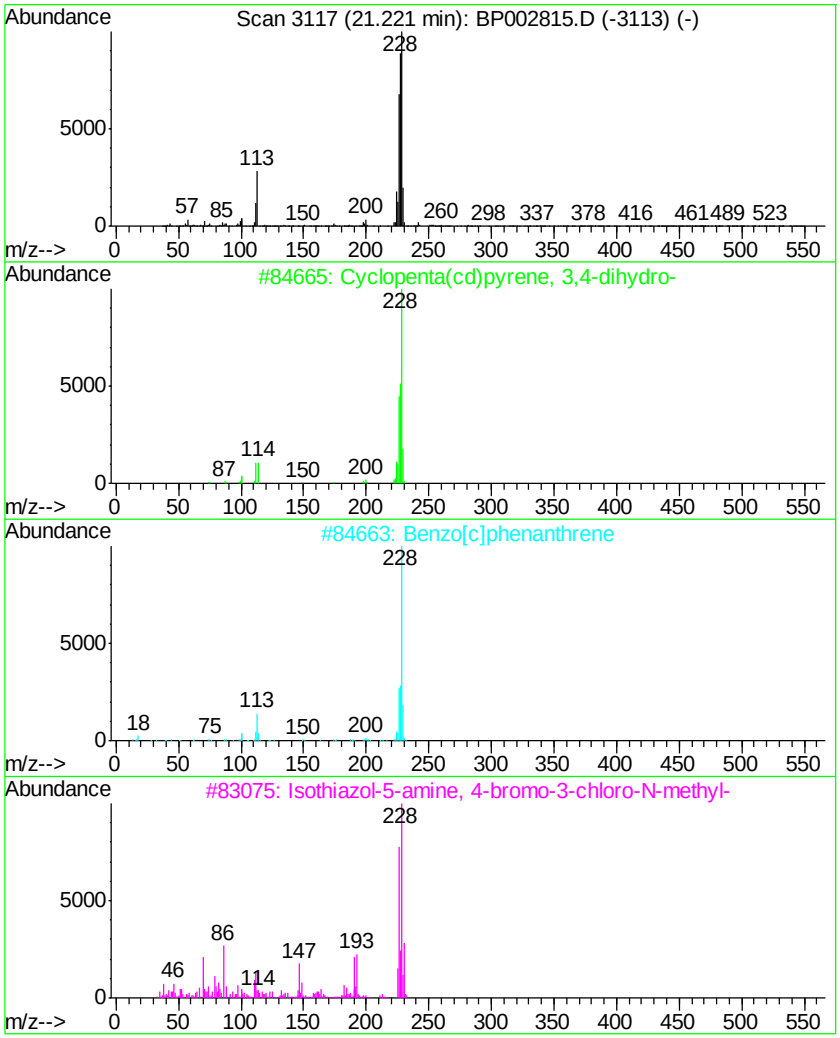
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

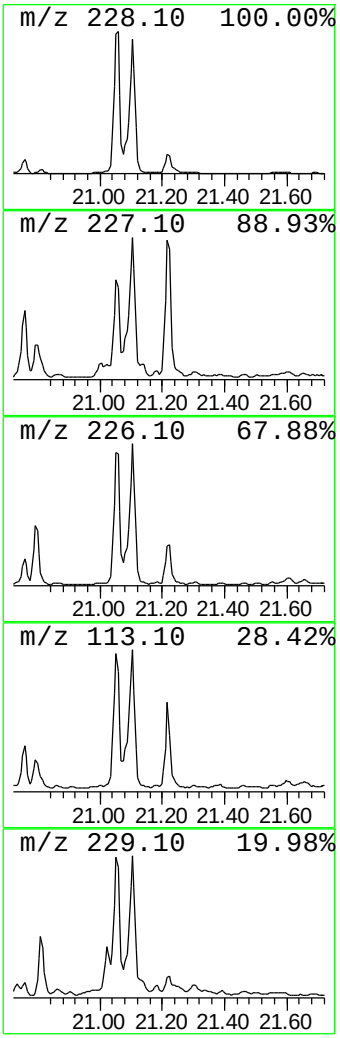
****

Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	2.86 ng	640964	Chrysene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	91
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47
4	Triphenylene	228	C18H12	000217-59-4	46
5	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

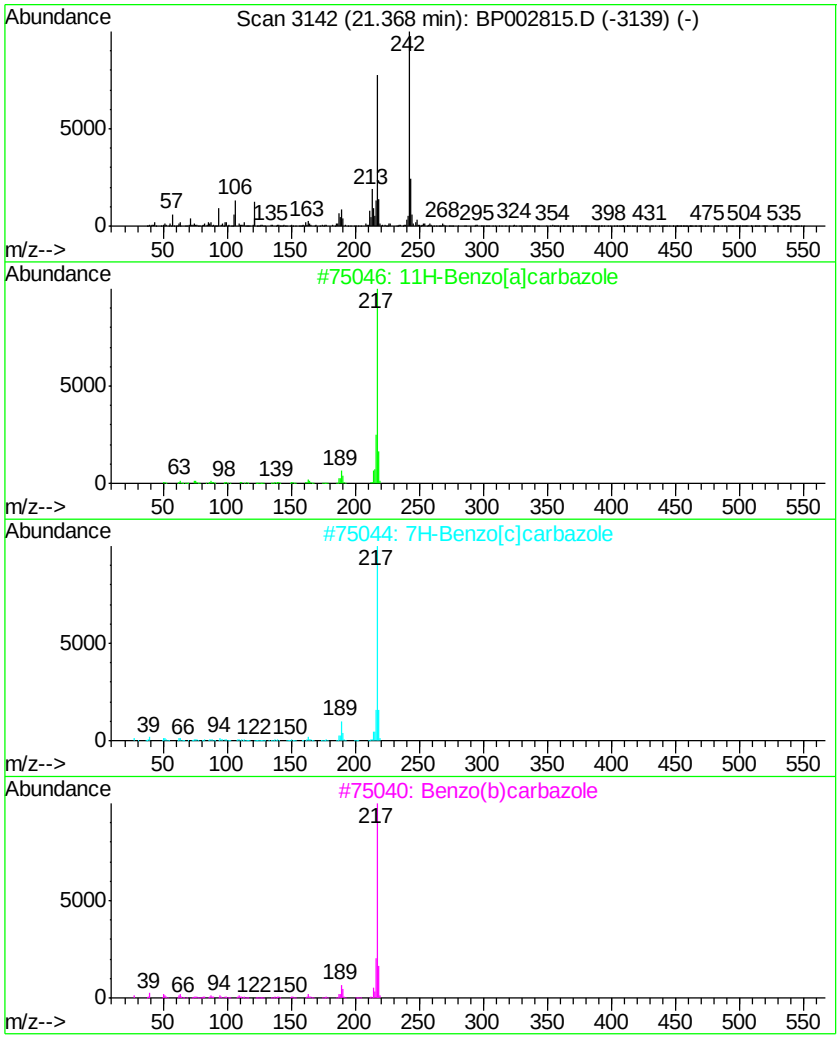
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

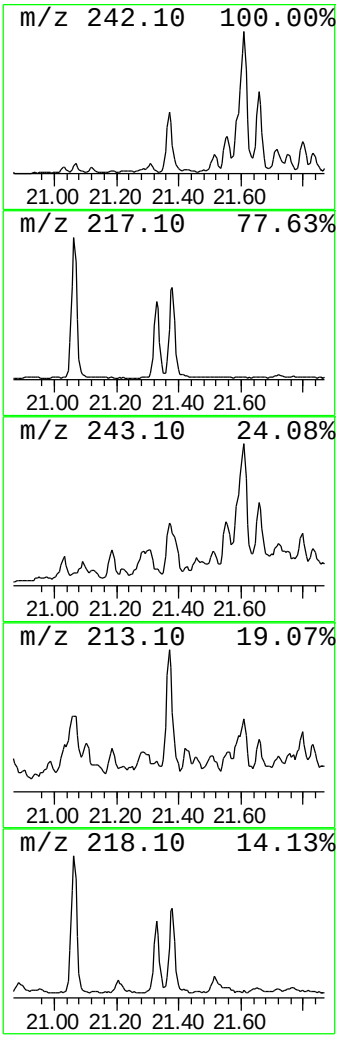
****

Peak Number 18 11H-Benzo[a]carbazole Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.24 ng	502069	Chrysene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	78
2	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	60
3	Benzo(b)carbazole	217	C16H11N	000243-28-7	60
4	Benzo(c)carbazole	217	C16H11N	034777-33-8	49
5	1-Aminopyrene	217	C16H11N	001606-67-3	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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

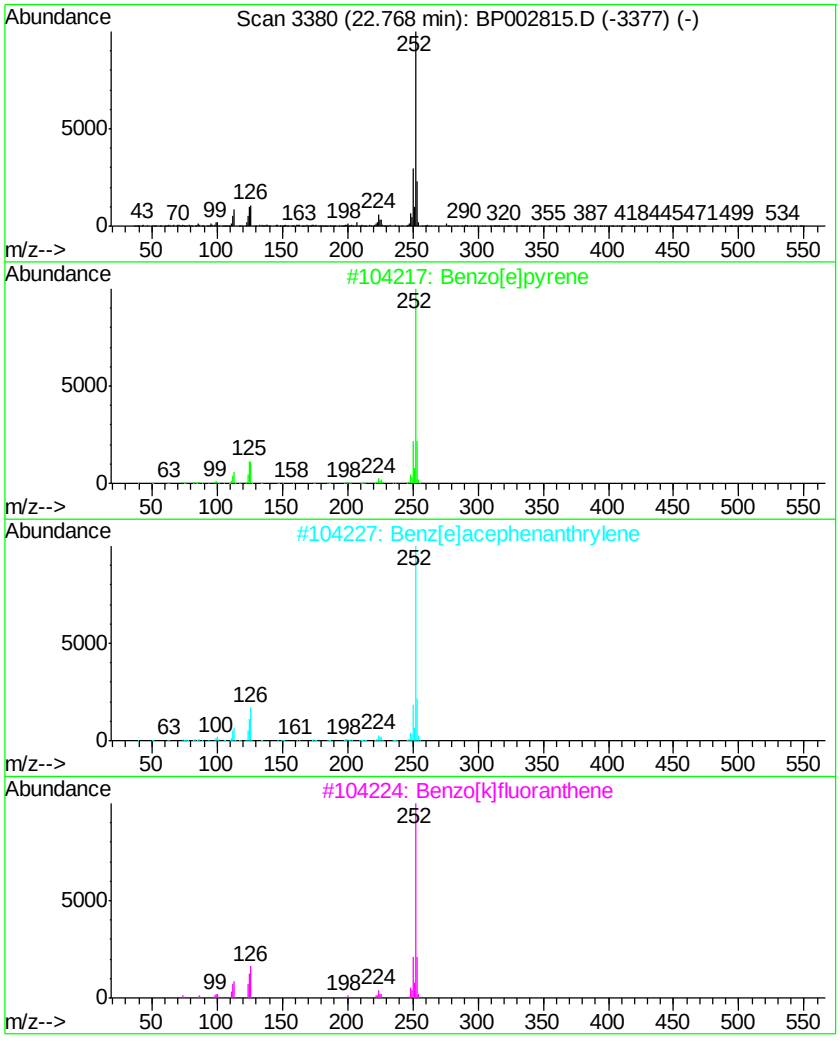
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

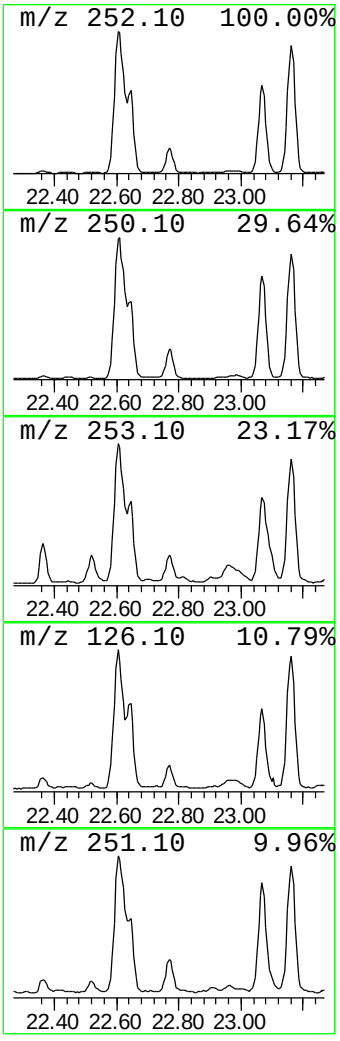
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	3.65 ng	351290	Perylene-d12	23.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP072120\
Data File : BP002815.D
Acq On : 21 Jul 2020 15:46
Operator : CG/JU
Sample : L3360-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SP-1A

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
3-Penten-2-one, 4...	4.12	2.9	ng	111080	1	7.55	777786	20.0
2-Pentanone, 4-hy...	4.70	58.9	ng	2290100	1	7.55	777786	20.0
Anthracene, 2-met...	17.84	2.4	ng	153852	4	16.96	1275090	20.0
Phenanthrene, 2-m...	17.89	4.1	ng	263805	4	16.96	1275090	20.0
4H-Cyclopenta[def...	18.02	7.1	ng	451246	4	16.96	1275090	20.0
1H-Cyclopropa[l]p...	18.06	2.1	ng	136929	4	16.96	1275090	20.0
Naphthalene, 2-ph...	18.33	2.0	ng	129304	4	16.96	1275090	20.0
unknown18.62	18.62	3.4	ng	217550	4	16.96	1275090	20.0
9,10-Dimethylanth...	18.73	2.1	ng	136261	4	16.96	1275090	20.0
unknown18.79	18.79	2.7	ng	173322	4	16.96	1275090	20.0
Cyclopenta(def)ph...	18.87	2.0	ng	128183	4	16.96	1275090	20.0
11H-Benzo[a]fluorene	19.83	3.4	ng	754465	5	21.07	4475840	20.0
11H-Benzo[b]fluorene	19.93	2.6	ng	589392	5	21.07	4475840	20.0
Benzo[b]naphtho[2...	20.72	3.4	ng	769058	5	21.07	4475840	20.0
Cyclopenta[cd]pyrene	20.80	3.9	ng	881510	5	21.07	4475840	20.0
Cyclopenta(cd)pyr...	21.22	2.9	ng	640964	5	21.07	4475840	20.0
11H-Benzo[a]carba...	21.37	2.2	ng	502069	5	21.07	4475840	20.0
Benzo[e]pyrene	22.77	3.6	ng	351290	6	23.26	1922520	20.0