LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : M-6(0-10)

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-BP110320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP003947.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.928	3	7	22	rVB	6506167	7339784	69.07%	6.141%
2	3.087	27	34	44	rVV	121070	237524	2.24%	0.199%
3	3.175	44	49	65	rVB	462251	550632	5.18%	0.461%
4	5.805	487	496	512	rBV	2320740	3411586	32.11%	2.854%
5	7.457	769	777	789	rBV	2152545	3491416	32.86%	2.921%
6	7.852	839	844	851	rBV	97001	149107	1.40%	0.125%
7	8.281	910	917	924	rBV	550998	855274	8.05%	0.716%
8	9.446	1103	1115	1123	rBV	1381434	2298862	21.63%	1.923%
9	11.116	1390	1399	1404	rBV	665695	1163343	10.95%	0.973%
10	11.163	1404	1407	1416	rVB3	85527	154239	1.45%	0.129%
11	12.581	1641	1648	1659	rBV	49297	134818	1.27%	0.113%
12	13.528	1801	1809	1820	rBV	3021768	4410804	41.51%	3.691%
13	13.728	1838	1843	1851	rBV	346483	506972	4.77%	0.424%
14	14.239	1924	1930	1935	rBV4	53269	123295	1.16%	0.103%
15	14.328	1941	1945	1951	rBV	435243	649792	6.12%	0.544%
16	14.381	1951	1954	1957	rVV	103502	126939	1.19%	0.106%
17	14.628	1991	1996	2002	rBV	173895	266028	2.50%	0.223%
18	14.787	2018	2023	2028	rVB	517436	636350	5.99%	0.532%
19	14.904	2038	2043	2049	rVB	946946	1397478	13.15%	1.169%
20	14.969	2049	2054	2062	rVB	197947	300360	2.83%	0.251%
21	15.292	2104	2109	2113	rBV2	97284	156365	1.47%	0.131%
22	15.728	2179	2183	2187	rVB	333281	393573	3.70%	0.329%
23	15.945	2215	2220	2227	rVB	203708	322259	3.03%	0.270%
24	16.386	2289	2295	2308	rVB	2224301	3213102	30.24%	2.688%
25	16.581	2324	2328	2330	rBV	135402	173746	1.64%	0.145%
26	16.610	2330	2333	2340	rVB2	218817	309261	2.91%	0.259%
27	17.216	2432	2436	2443	rVB2	112903	171162	1.61%	0.143%
28	17.286	2444	2448	2457	rVB2	71398	126448	1.19%	0.106%
29	17.375	2458	2463	2469	rBV6	74333	161287	1.52%	0.135%
30	17.457	2474	2477	2485	rVB	69872	109084	1.03%	0.091%
31	17.639	2502	2508	2511	rBV	1163657	1632156	15.36%	1.366%
32	17.680	2511	2515	2521	rVV	1100838	1510057	14.21%	1.263%
33	17.769	2525	2530	2535	rVV	714831	996952	9.38%	0.834%
34	17.828	2535	2540	2545	rVV2	75327	141842	1.33%	0.119%
35	18.022	2570	2573	2577	rVB	111302	128191	1.21%	0.107%
36	18.286	2615	2618	2624	rVB3	106171	159605	1.50%	0.134%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : M-6(0-10)

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-BP110320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.486	2648	2652	2656	rBV	258286	327020	3.08%	0.274%
38	18.533	2656	2660	2665	rVB	374221	493645	4.65%	0.413%
39	18.610	2668	2673	2678	rBV	236771	352252	3.32%	0.295%
40	18.680	2678	2685	2688	rBV2	564078	1080229	10.17%	0.904%
41	18.863	2712	2716	2720	rBV3	93804	176947	1.67%	0.148%
42	18.951	2727	2731	2735	rBV3	240183	349477	3.29%	0.292%
43	18.992	2735	2738	2748	rVB5	179827	332430	3.13%	0.278%
44	19.280	2784	2787	2794	rVB3	116539	148880	1.40%	0.125%
45	19.363	2796	2801	2805	rBV3	395509	667403	6.28%	0.558%
46	19.498	2819	2824	2831	rBV	523204	988419	9.30%	0.827%
47	19.616	2838	2844	2849	rBV	3715486	4757084	44.77%	3.980%
48	19.663	2849	2852	2855	rVB3	128086	139400	1.31%	0.117%
49	19.851	2881	2884	2886	rBV	134407	161523	1.52%	0.135%
50	19.933	2894	2898	2899	rBV	612064	743298	7.00%	0.622%
51	19.969	2899	2904	2910	rVV	5028344	7069523	66.53%	5.915%
52	20.027	2910	2914	2920	rVB2	304558	491880	4.63%	0.412%
53	20.133	2927	2932	2937	rVB	4389292	5403109	50.85%	4.521%
54	20.192	2937	2942	2948	rVB2	356685	588578	5.54%	0.492%
55	20.274	2951	2956	2962	rBV3	651680	1313018	12.36%	1.099%
56	20.433	2974	2983	2987	rVB	1079820	2646029	24.90%	2.214%
57	20.533	2996	3000	3003	rVB2	421624	552885	5.20%	0.463%
58	20.592	3003	3010	3013	rBV2	1149518	1745274	16.42%	1.460%
59	20.627	3013	3016	3019	rVB	331224	372879	3.51%	0.312%
60	20.727	3029	3033	3037	rBV	1257361	1731188	16.29%	1.448%
61	20.769	3037	3040	3049	rVB	1458896	1990364	18.73%	1.665%
62	20.963	3070	3073	3076	rBV3	222725	334244	3.15%	0.280%
63	21.157	3102	3106	3112	rVB	948023	1317299	12.40%	1.102%
64	21.321	3127	3134	3137	rBV2	1248777	2228930	20.98%	1.865%
65	21.351	3137	3139	3143	rVV	700365	921693	8.67%	0.771%
66	21.398	3144	3147	3151	rVV2	1083236	1523620	14.34%	1.275%
67	21.439	3151	3154	3162	rVB2	677111	1106113	10.41%	0.925%
68	21.663	3187	3192	3196	rBV2	2991652	5732081	53.94%	4.796%
69	21.716	3198	3201	3212	rVB	3460203	4839269	45.54%	4.049%
70	21.845	3219	3223	3228	rBV	932573	1414503	13.31%	1.184%
71	22.010	3248	3251	3256	rBV3	388544	597710	5.63%	0.500%
72	22.321	3302	3304	3311	rVB2	590566	811084	7.63%	0.679%
73	22.386	3313	3315	3320	rVB2	353274	475502	4.47%	0.398%
74	22.492	3329	3333	3337	rVB2	654325	905872	8.53%	0.758%
75	22.592	3346	3350	3356	rVB2	485064	818297	7.70%	0.685%
76	23.415	3482	3490	3502	rVB2	3278000	10625889	100.00%	8.891%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : M-6(0-10)

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-BP110320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	23.598	3517	3521	3527	rVB	583478	1052525	9.91%	0.881%
78	23.951	3574	3581	3590	rVB	1969320	4136950	38.93%	3.461%
79	24.057	3592	3599	3610	rVV	2378461	5009260	47.14%	4.191%
80	24.162	3612	3617	3622	rVV	735382	1586774	14.93%	1.328%
81	24.221	3623	3627	3635	rVB2	733576	1546562	14.55%	1.294%

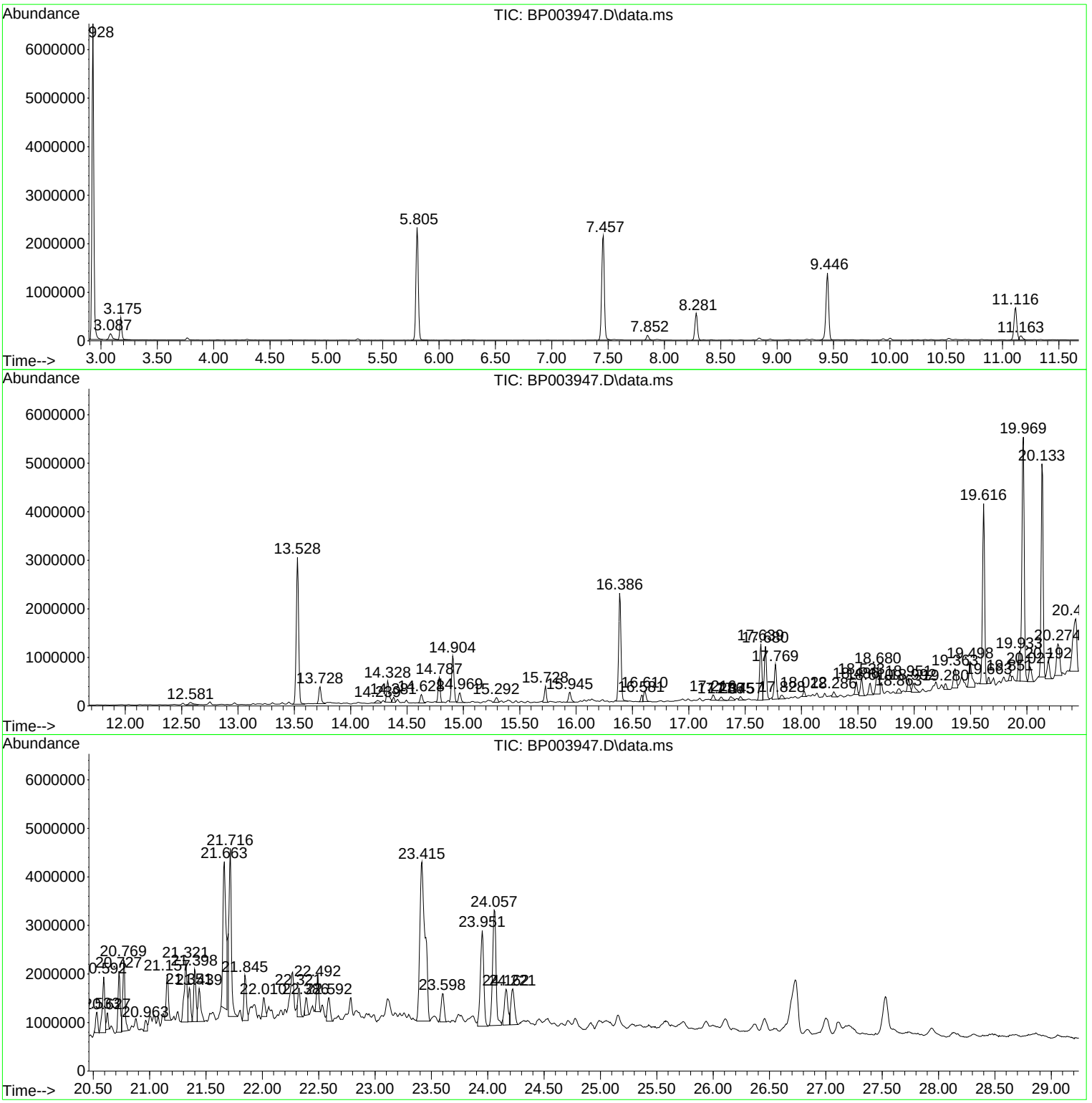
Sum of corrected areas: 119516604

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.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\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

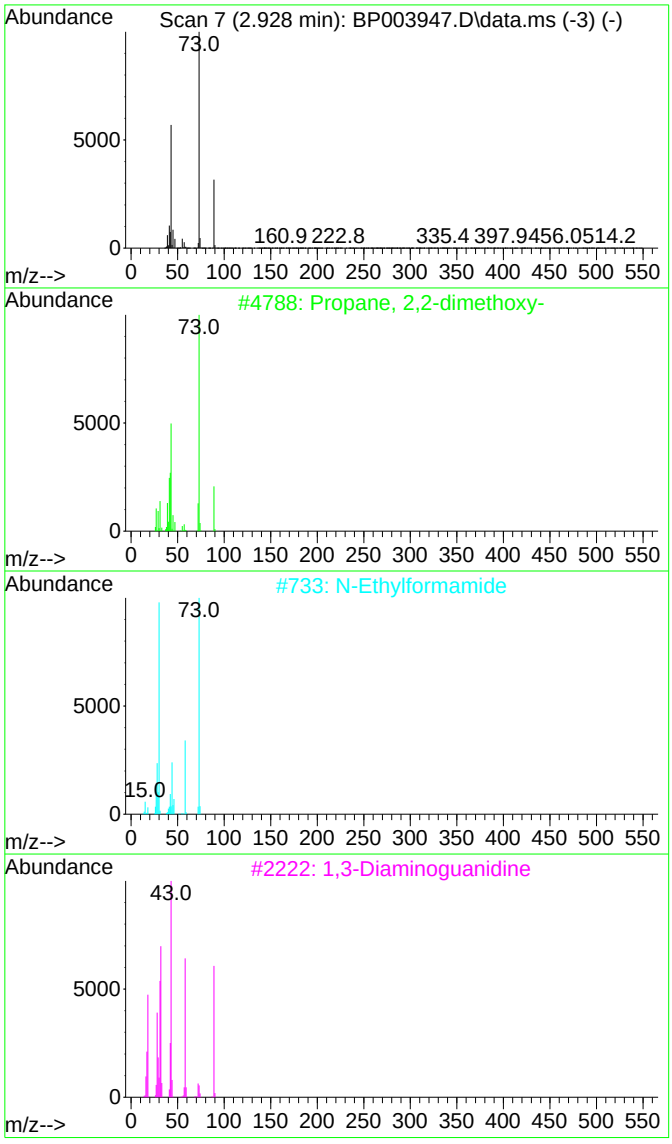
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

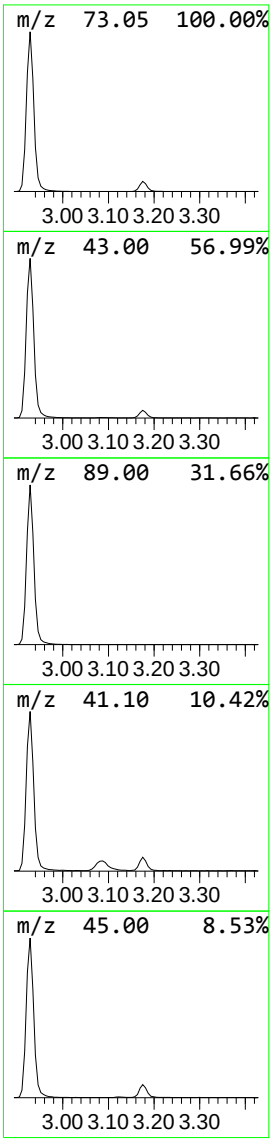
****

Peak Number 1 unknown2.928 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.928	171.64 ng	7339780	1,4-Dichlorobenzene-d4	8.281

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	38
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
4	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5	1,3-Dioxolane, 2-(3-bromo-5,5,5-...	352	C10H16BrCl3O2	1000115-31-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
M-6(0-10)

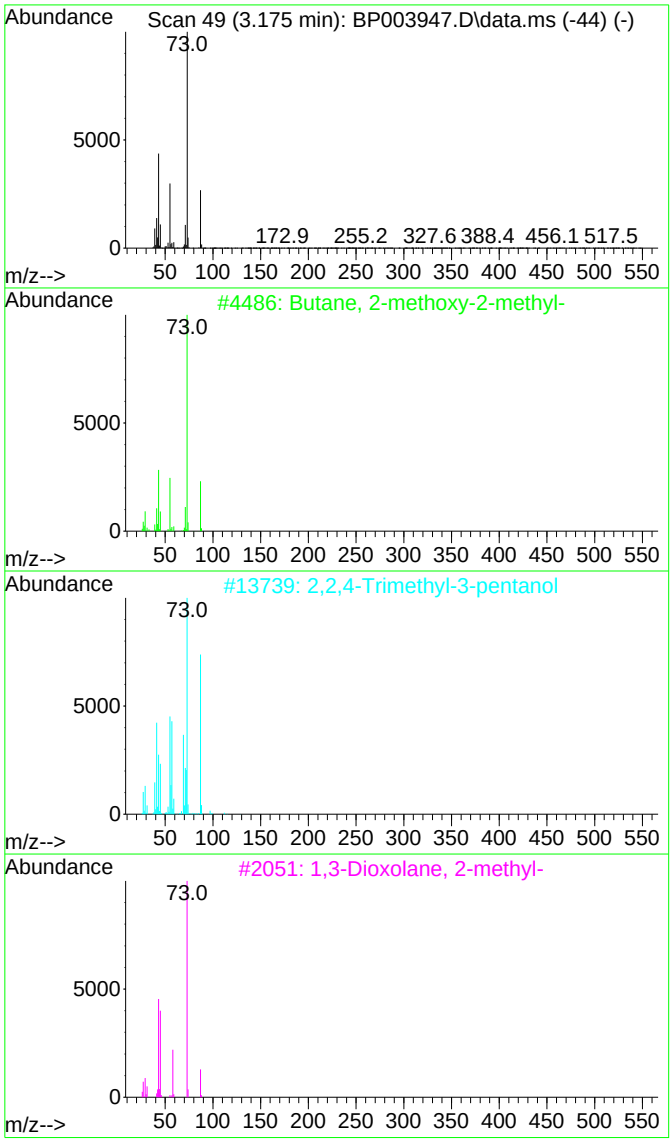
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

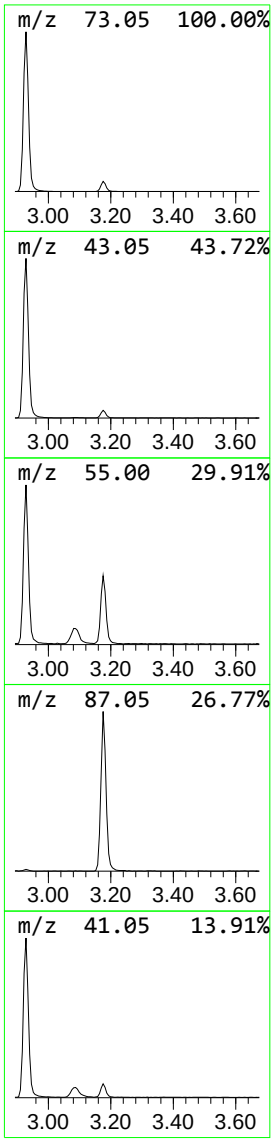
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.175	12.88 ng	550632	1,4-Dichlorobenzene-d4	8.281

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

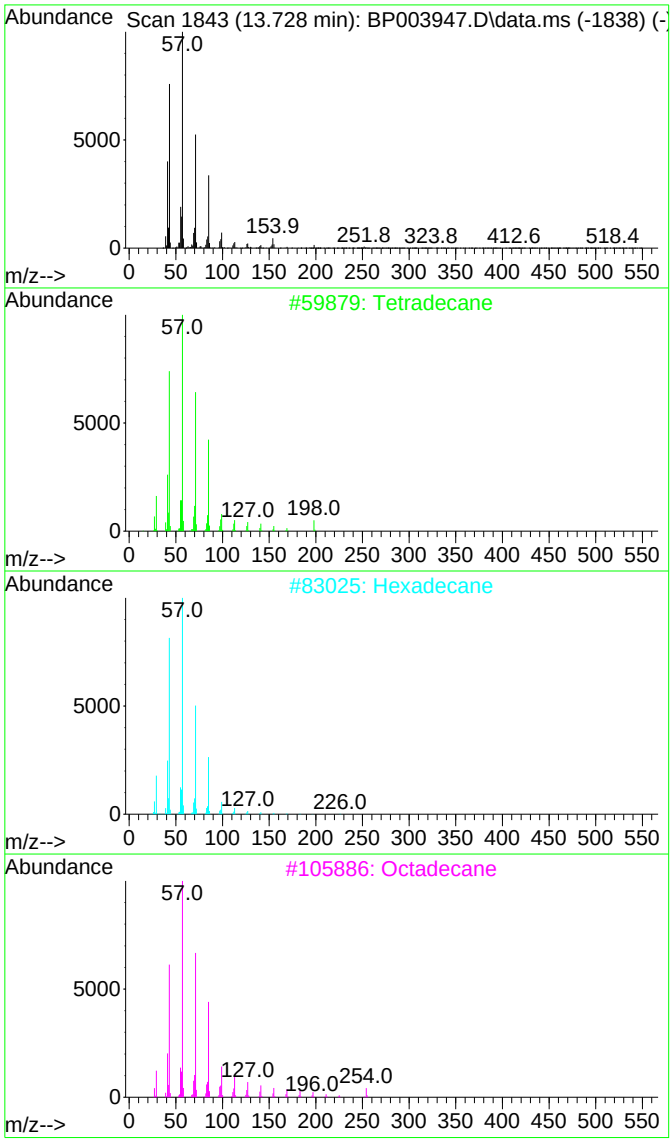
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

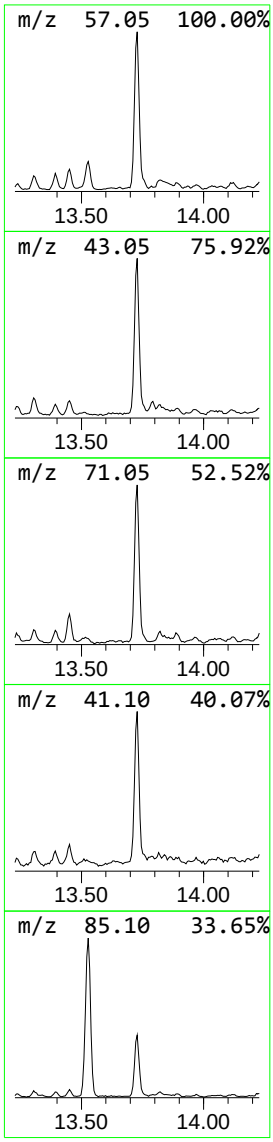
****

Peak Number 4 Tetradecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.728	7.26 ng	506972	Acenaphthene-d10	14.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	97
2	Hexadecane	226	C16H34	000544-76-3	87
3	Octadecane	254	C18H38	000593-45-3	87
4	Tridecane	184	C13H28	000629-50-5	86
5	Pentadecane	212	C15H32	000629-62-9	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

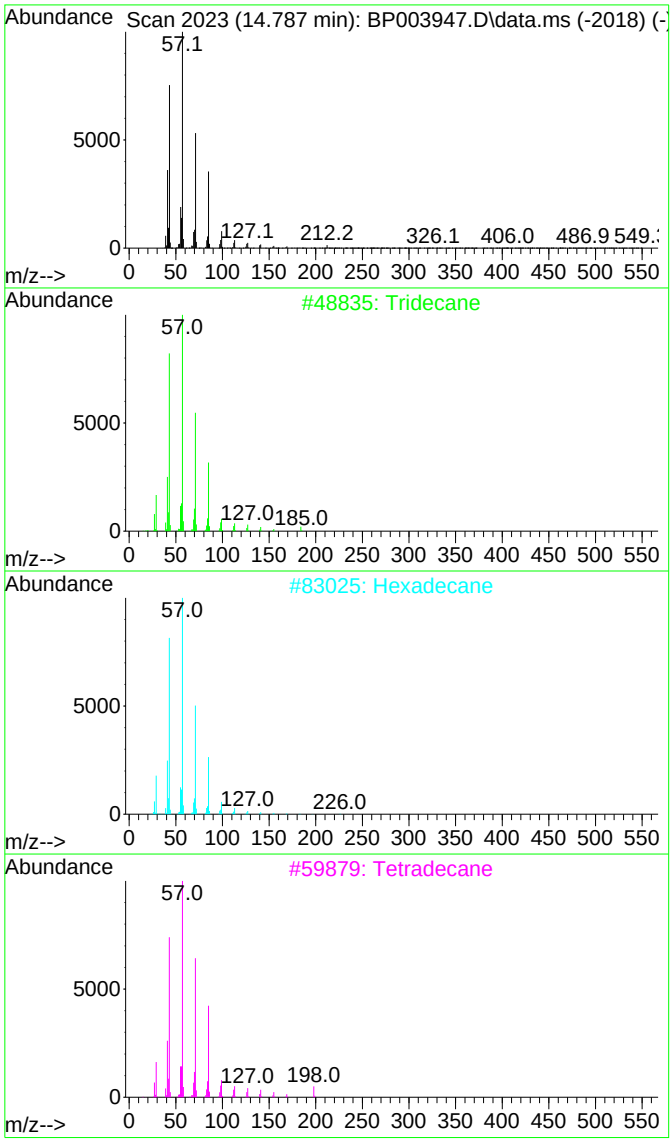
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

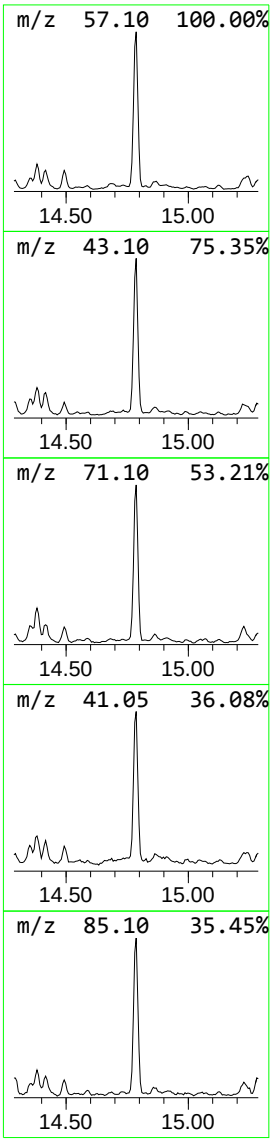
****

Peak Number 5 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	9.11 ng	636350	Acenaphthene-d10	14.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tetradecane	198	C14H30	000629-59-4	90
4	Eicosane	282	C20H42	000112-95-8	90
5	Pentadecane	212	C15H32	000629-62-9	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

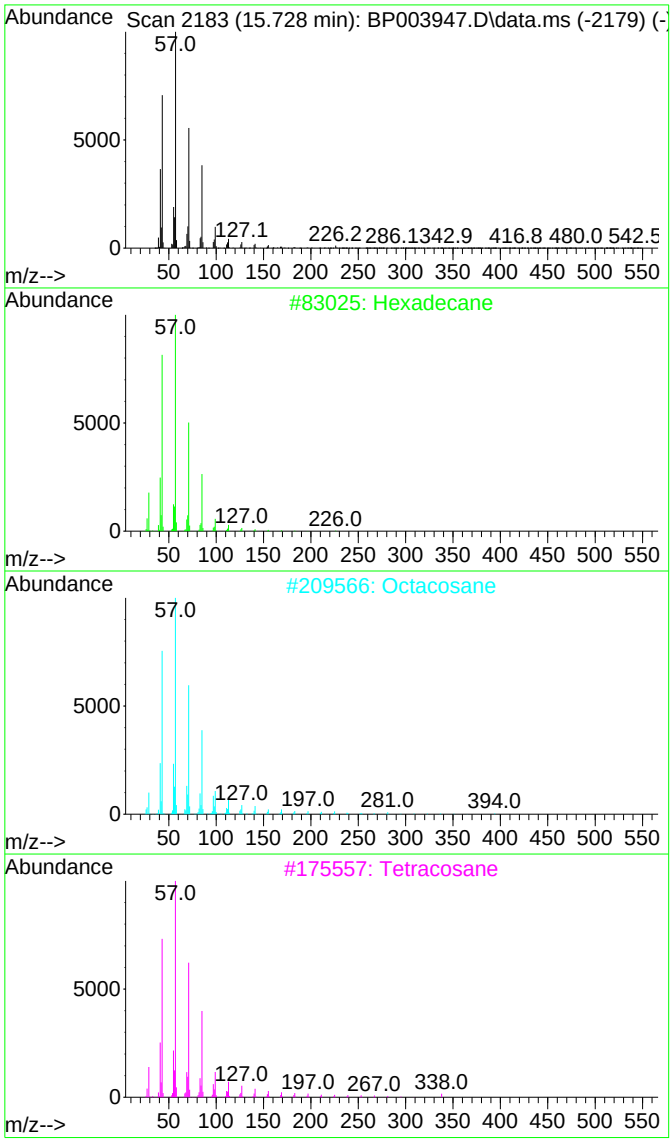
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

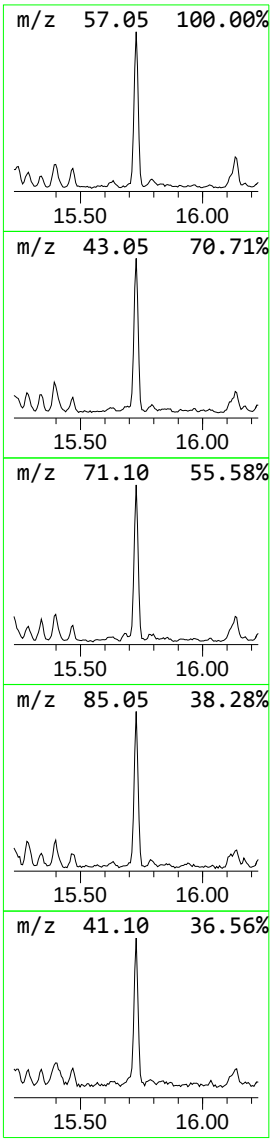
****

Peak Number 6 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.728	5.63 ng	393573	Acenaphthene-d10	14.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Octacosane	394	C28H58	000630-02-4	93
3	Tetracosane	338	C24H50	000646-31-1	90
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	87
5	Tetradecane	198	C14H30	000629-59-4	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

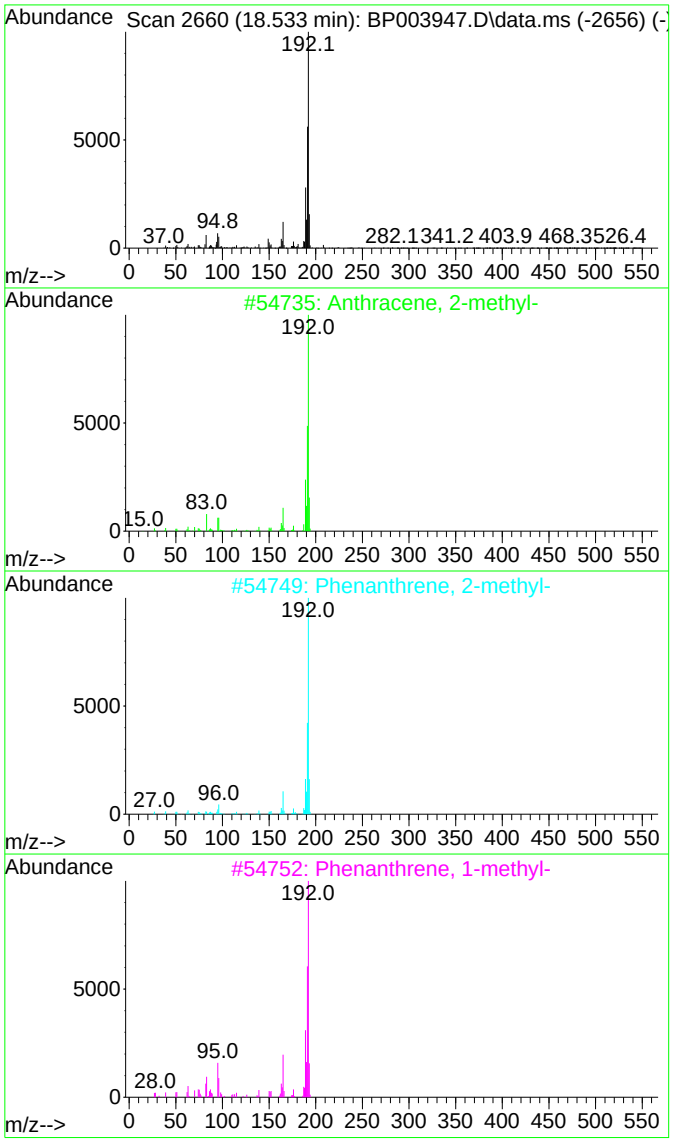
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

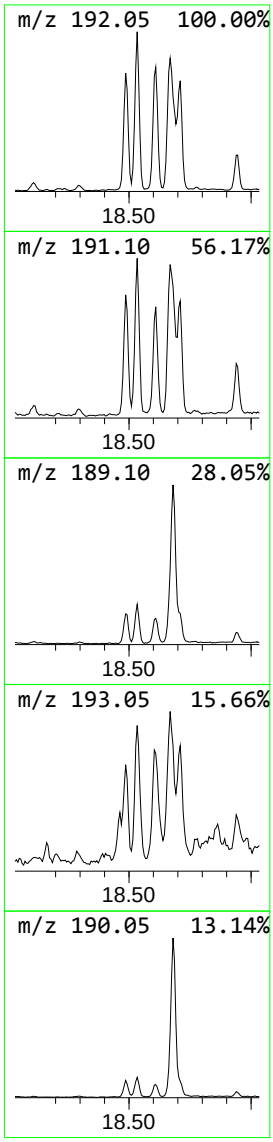
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.533	6.05 ng	493645	Phenanthrene-d10	17.639

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : M-6(0-10)

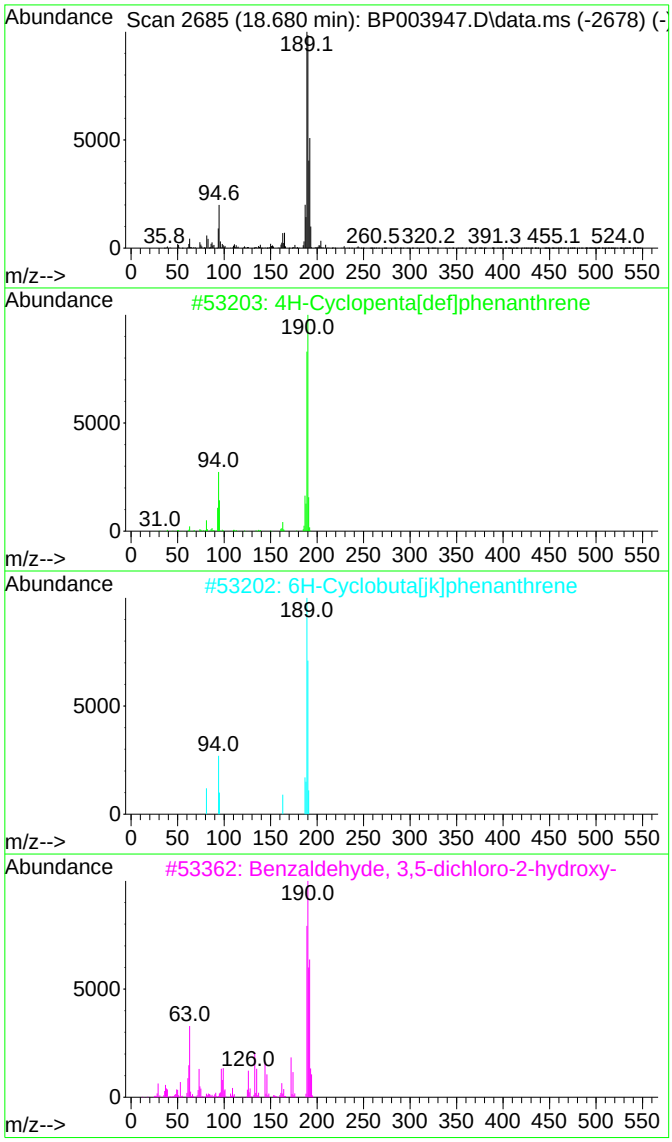
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

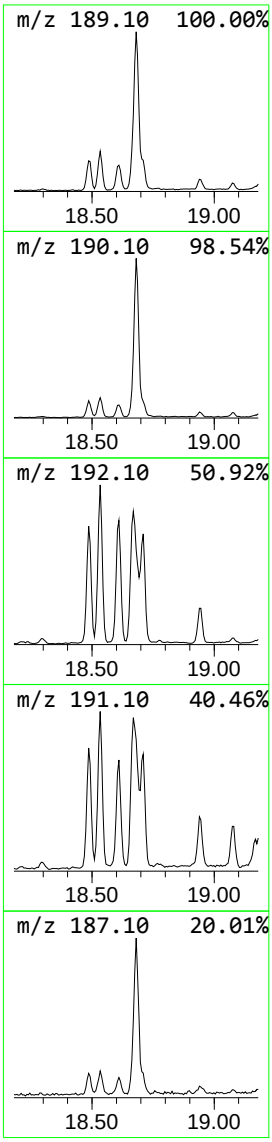
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.680	13.24 ng	1080230	Phenanthrene-d10	17.639

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

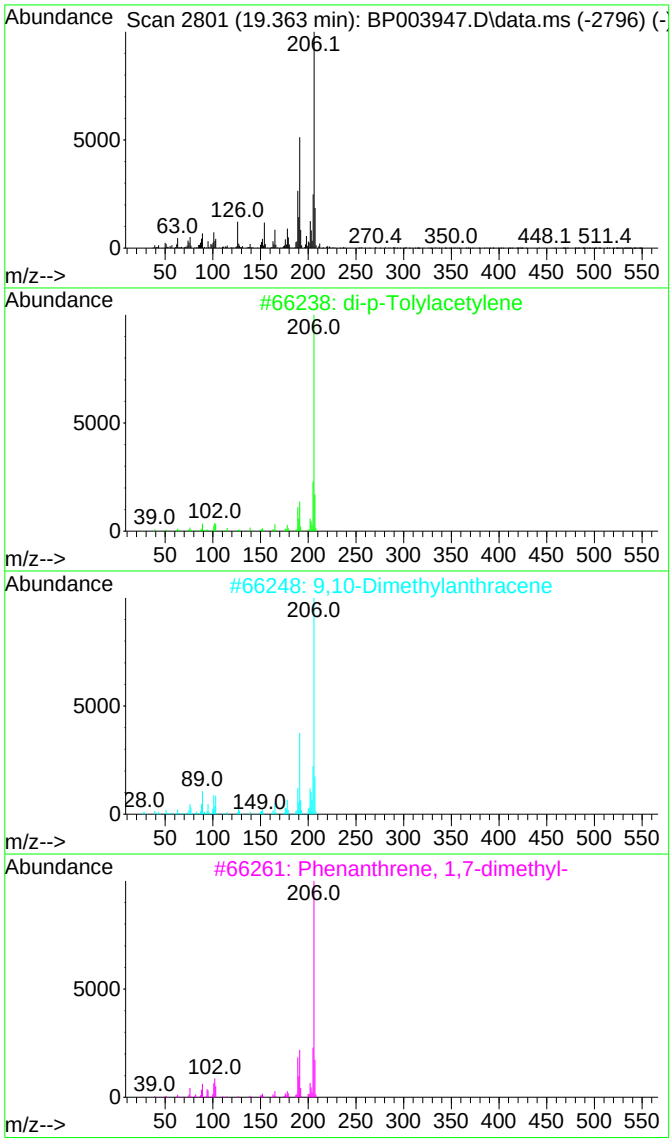
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

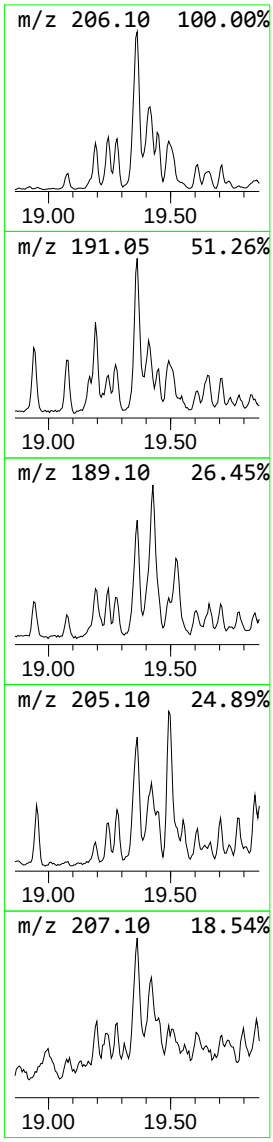
****

Peak Number 9 di-p-Tolylacetylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.363	8.18 ng	667403	Phenanthrene-d10	17.639

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

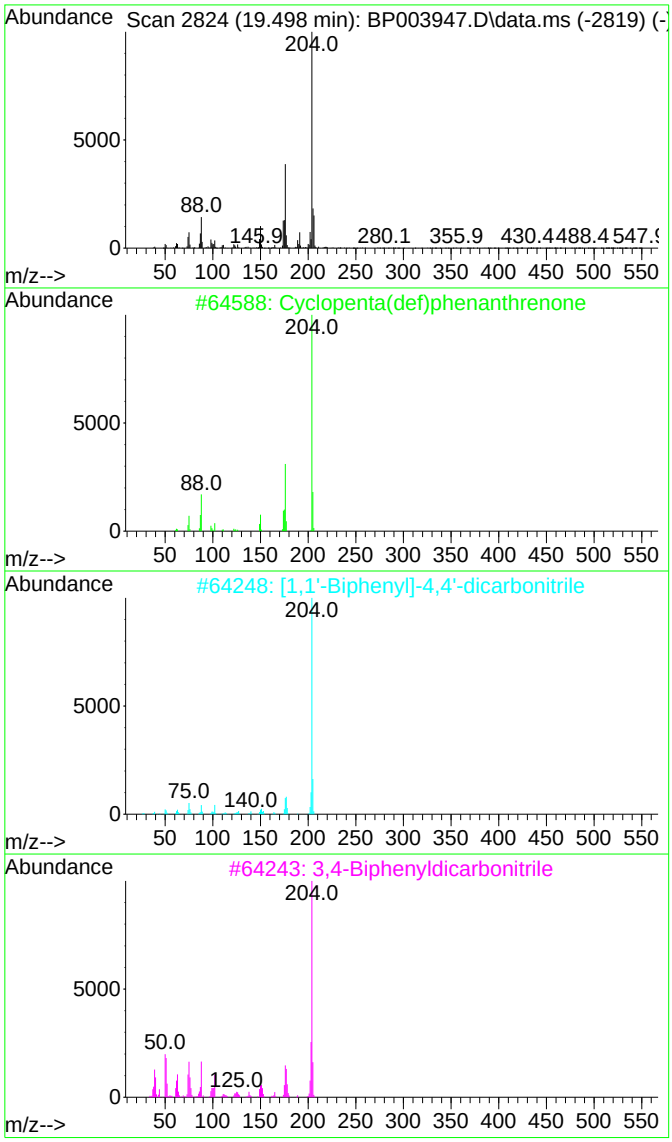
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

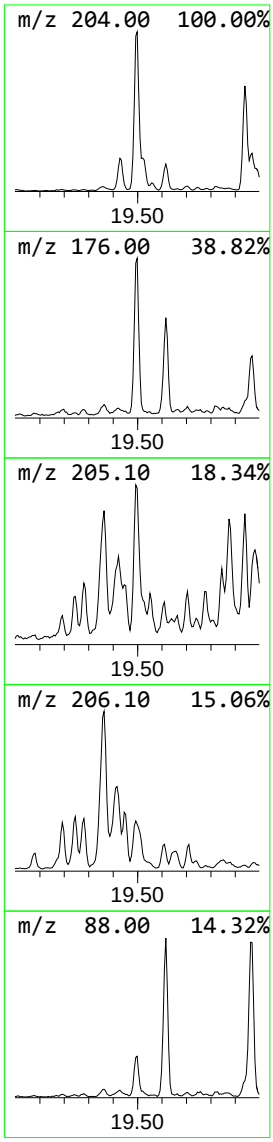
****

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.498	12.11 ng	988419	Phenanthrene-d10	17.639

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
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\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

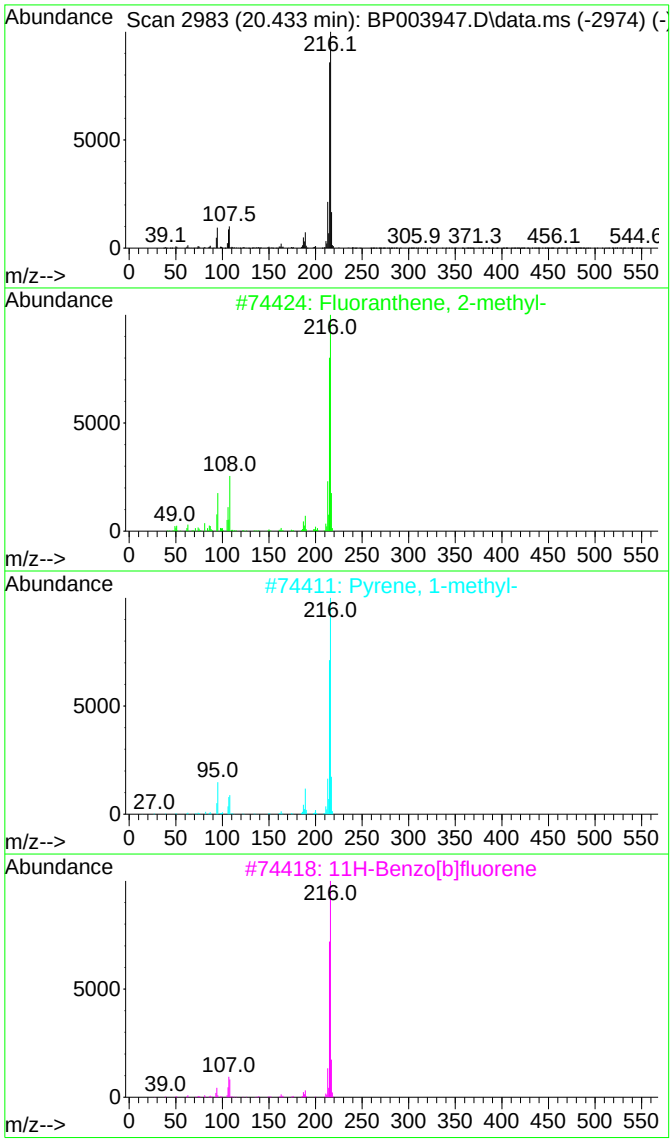
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

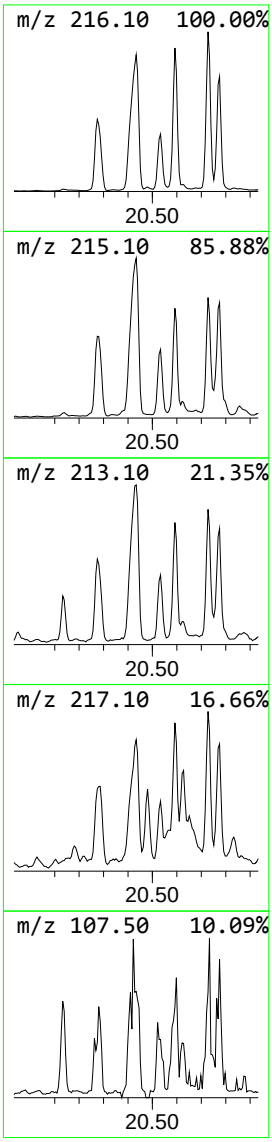
****

Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.433	9.23 ng	2646030	Chrysene-d12	21.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

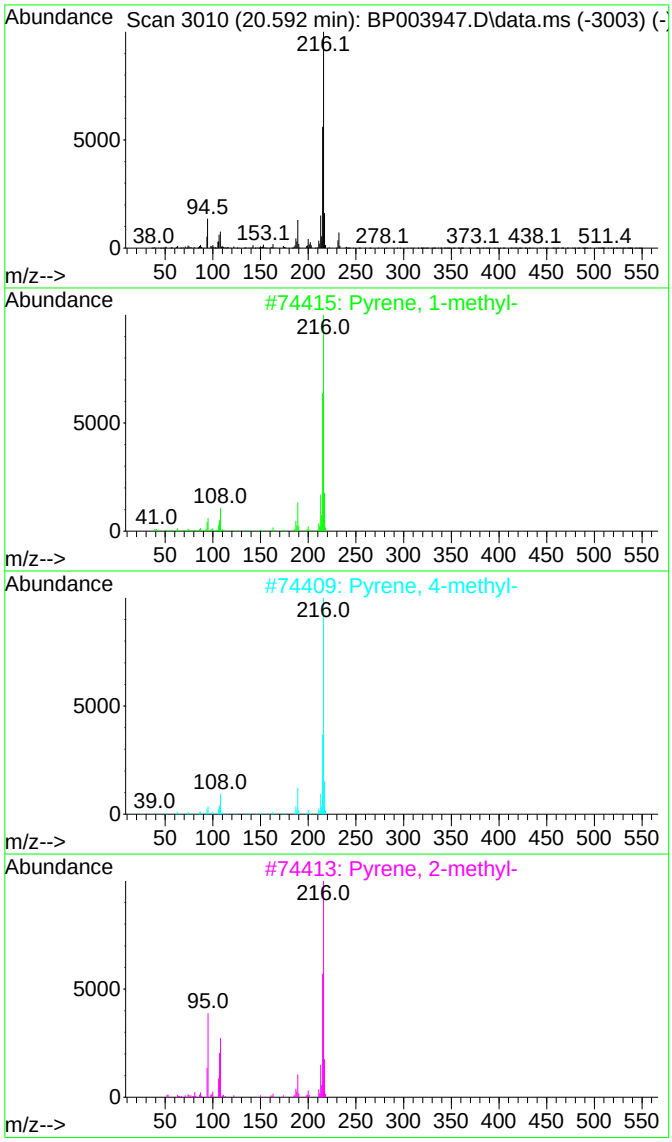
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

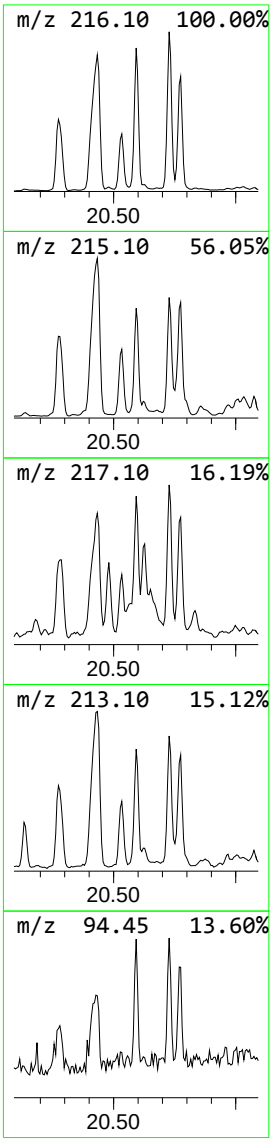
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.592	6.09 ng	1745270	Chrysene-d12	21.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

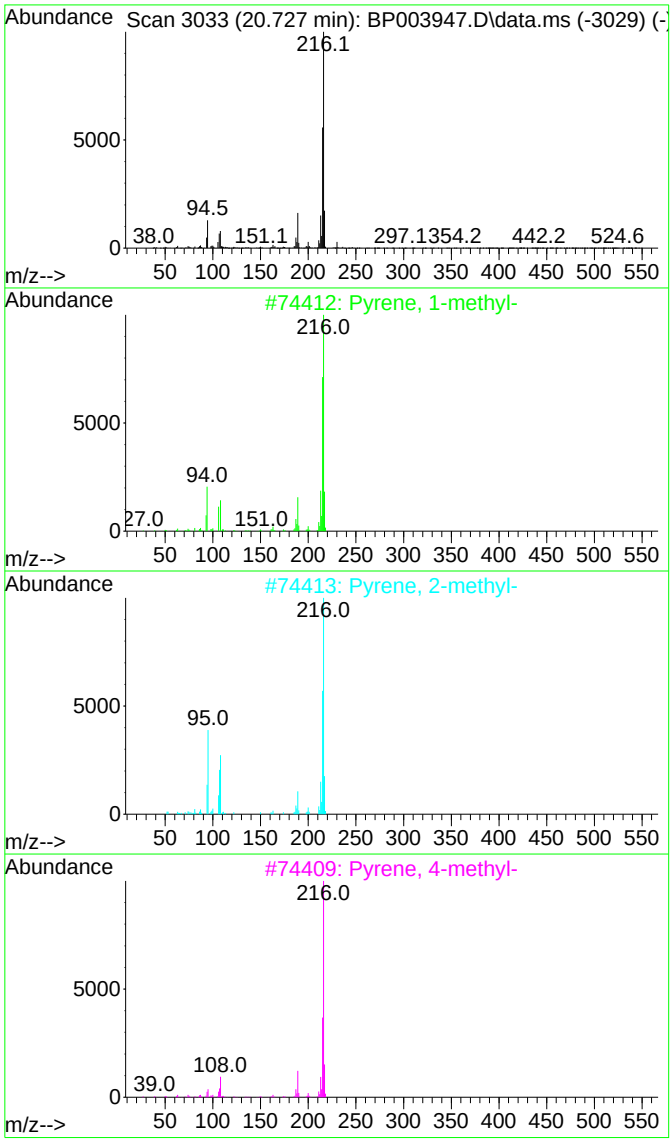
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

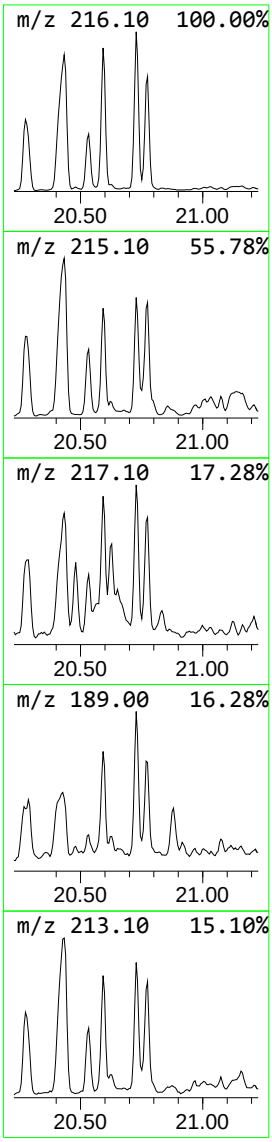
****

Peak Number 13 Pyrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.727	6.04 ng	1731190	Chrysene-d12	21.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	97
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

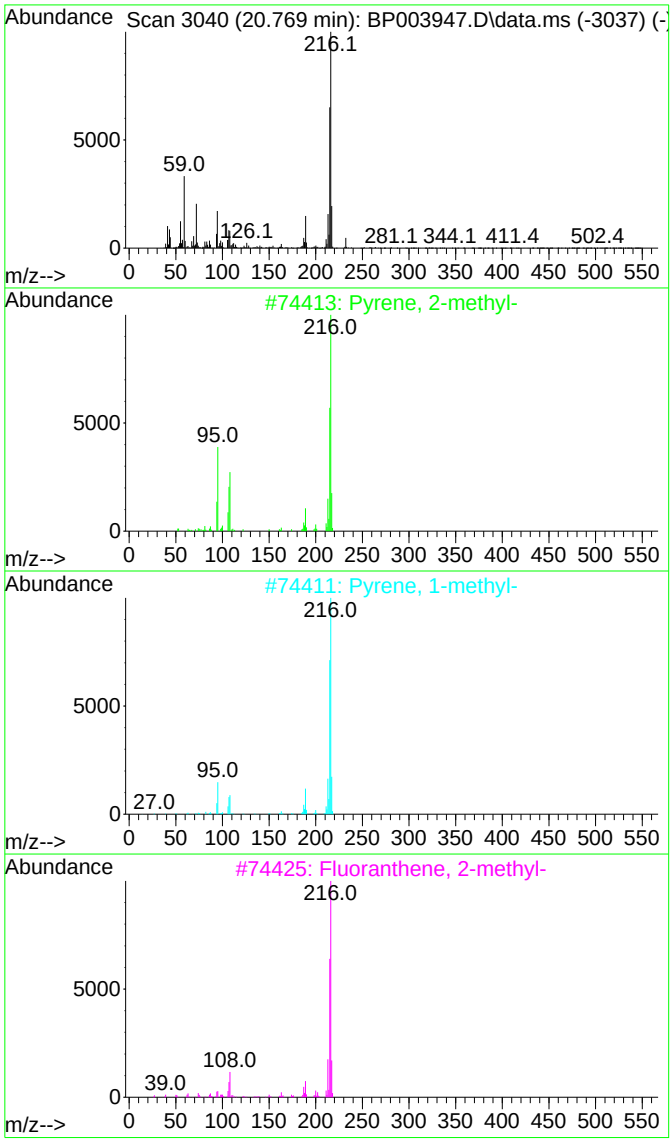
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

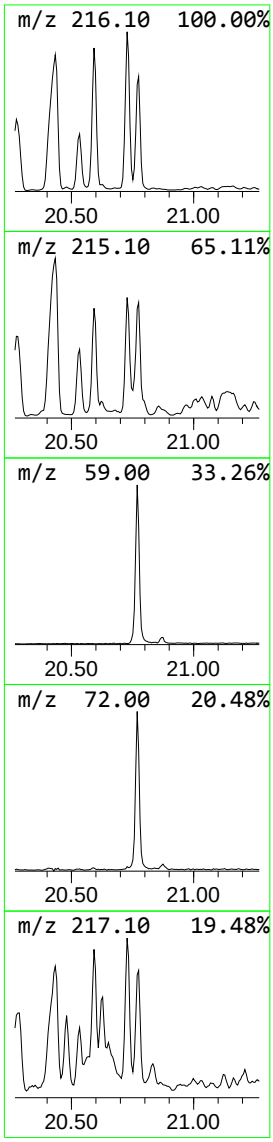
****

Peak Number 14 7H-Benzo[c]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.769	6.94 ng	1990360	Chrysene-d12	21.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : M-6(0-10)

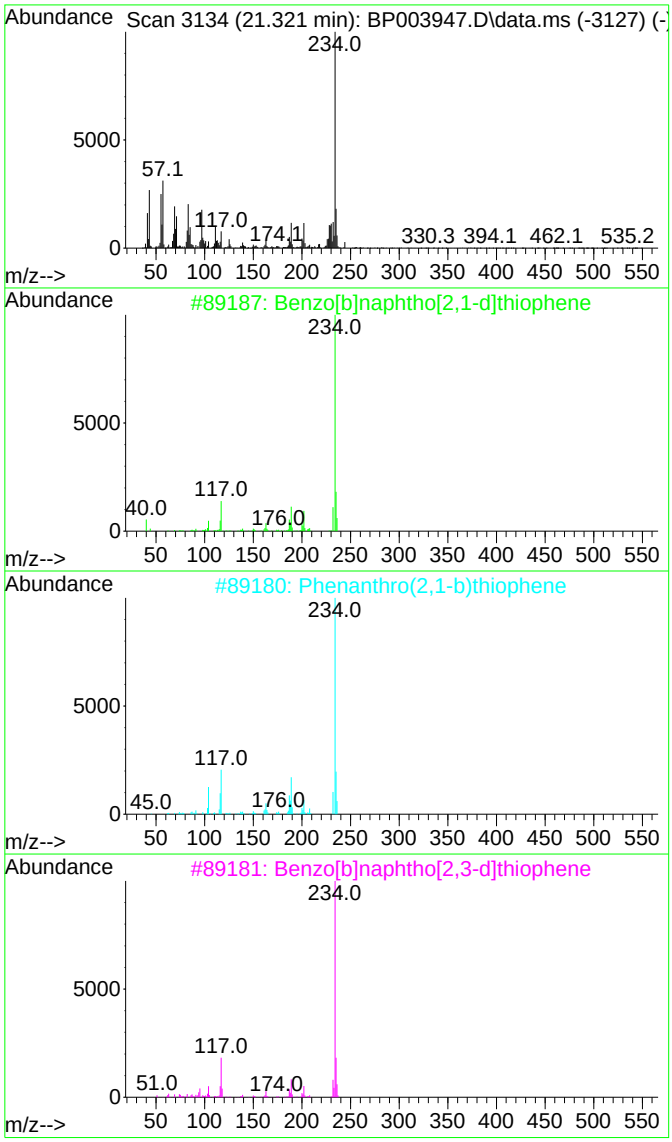
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

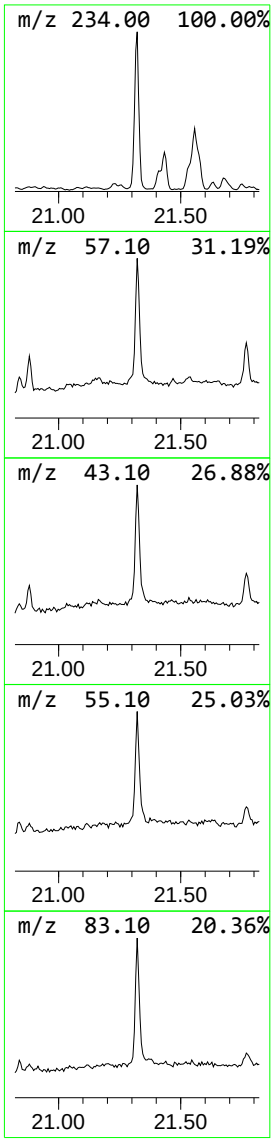
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.322	7.78 ng	2228930	Chrysene-d12	21.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	92
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	89
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

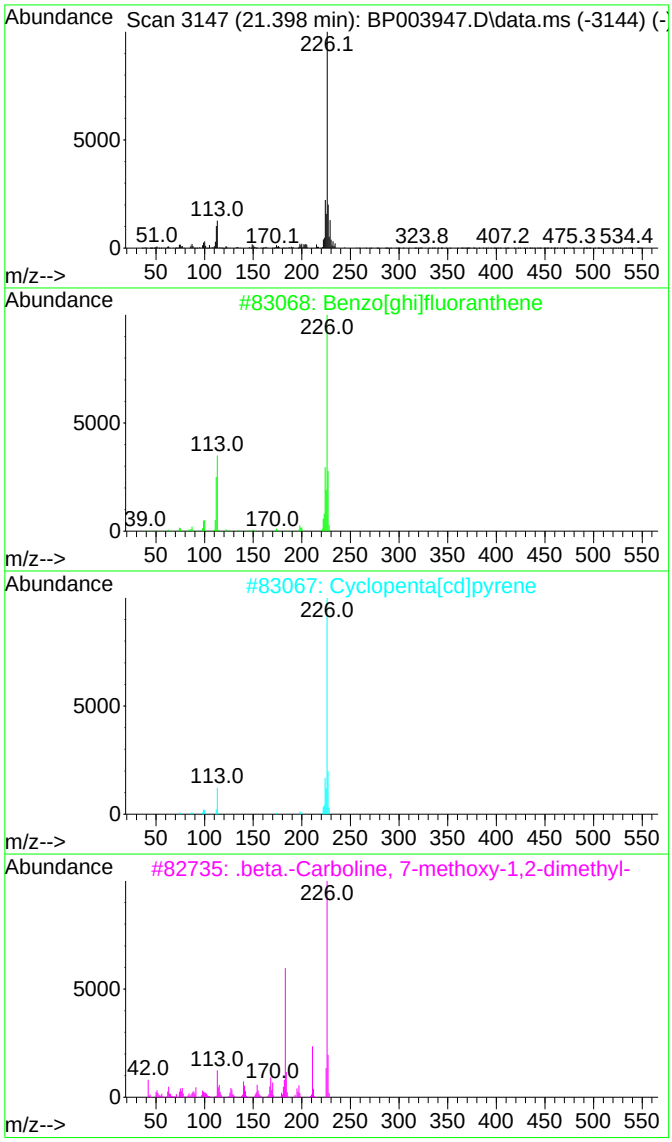
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

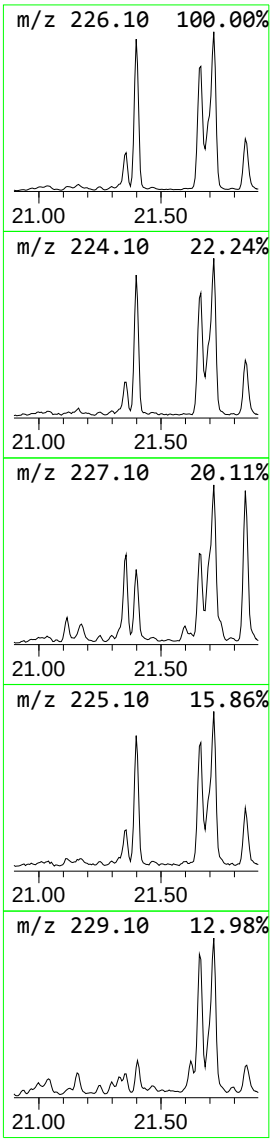
****

Peak Number 16 Benzo[ghi]fluoranthene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.398	5.32 ng	1523620	Chrysene-d12	21.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	76
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	52
5	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : M-6(0-10)

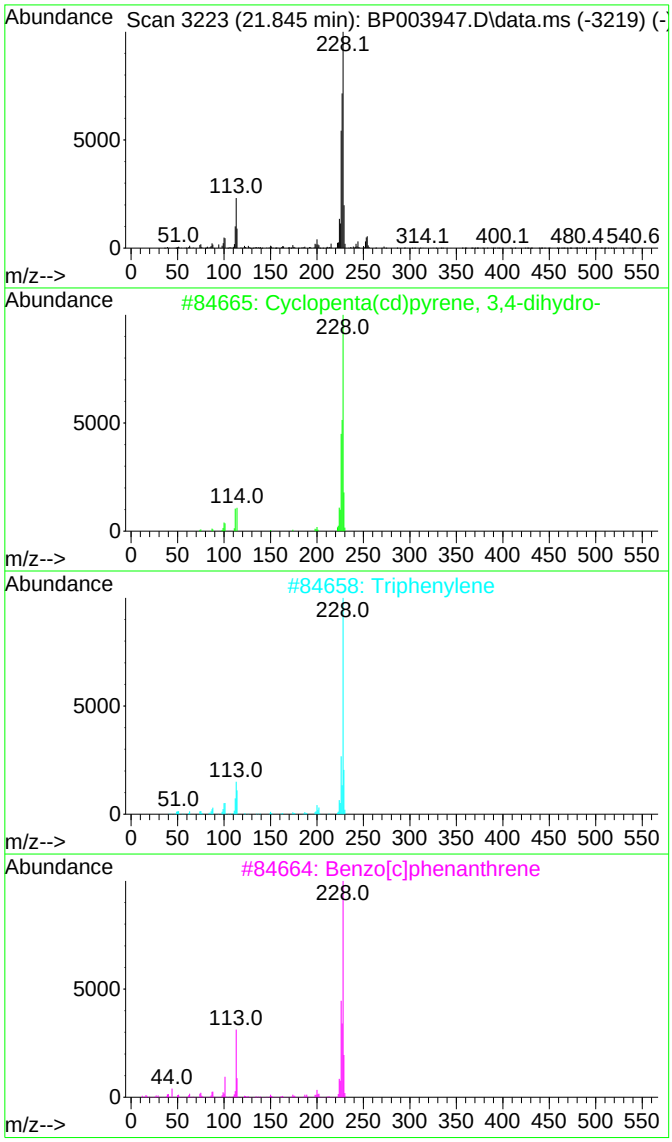
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

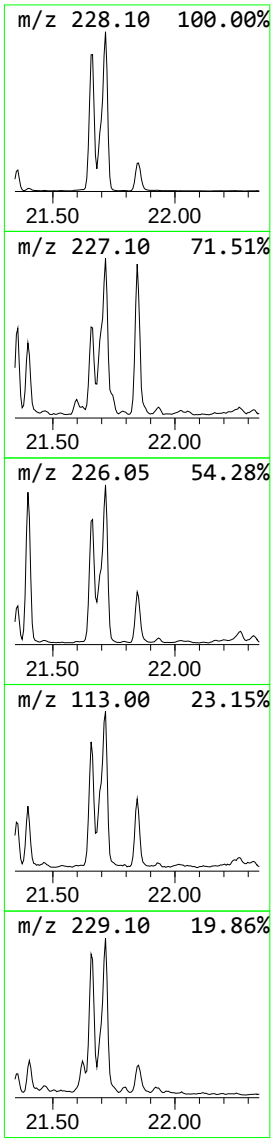
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.845	4.94 ng	1414500	Chrysene-d12	21.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	91
2	Triphenylene	228	C18H12	000217-59-4	87
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	64
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
5	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

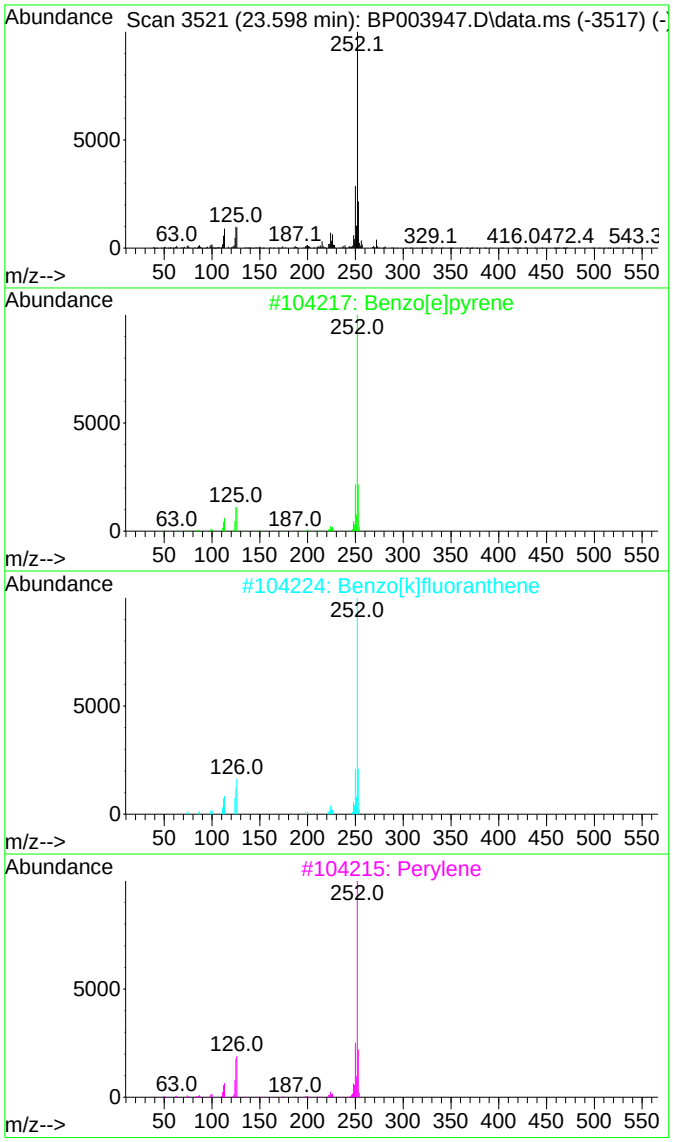
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

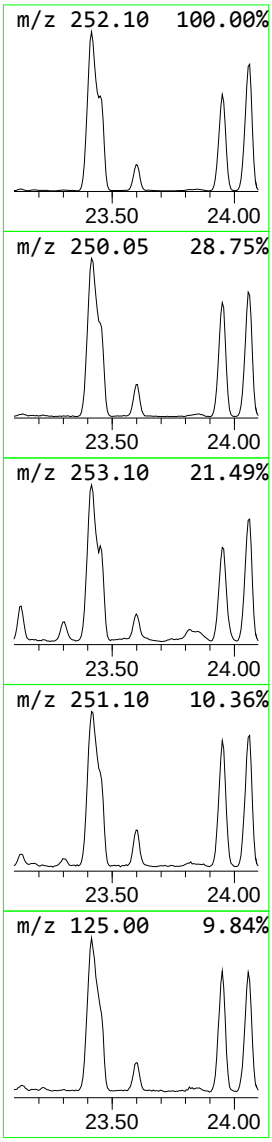
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.598	13.27 ng	1052530	Perylene-d12	24.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

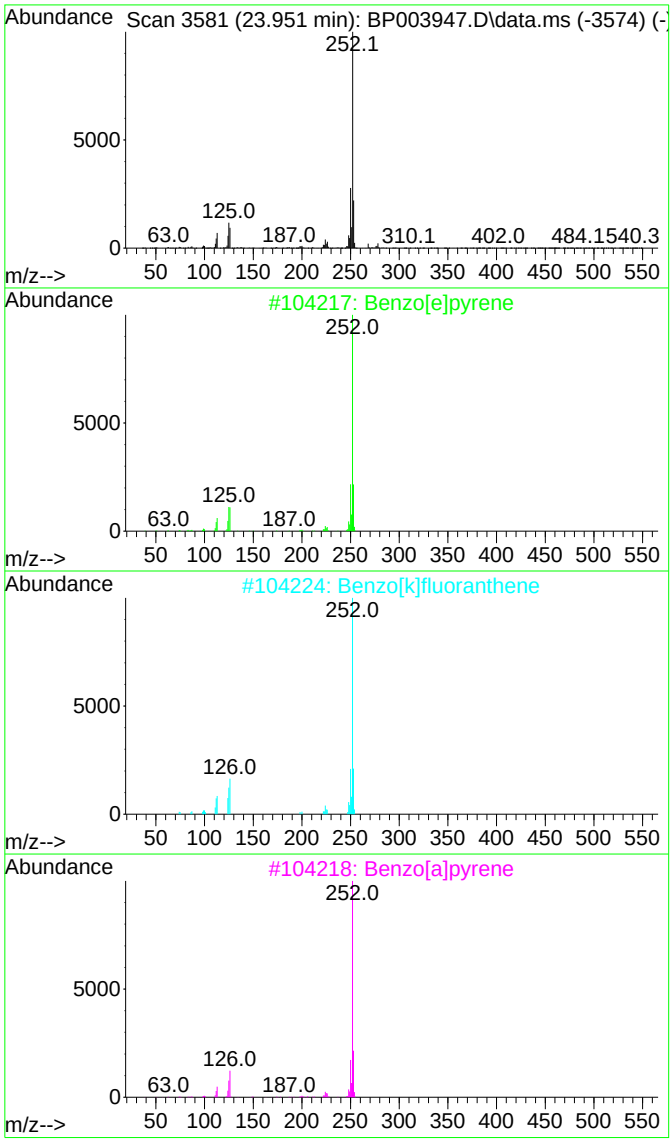
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

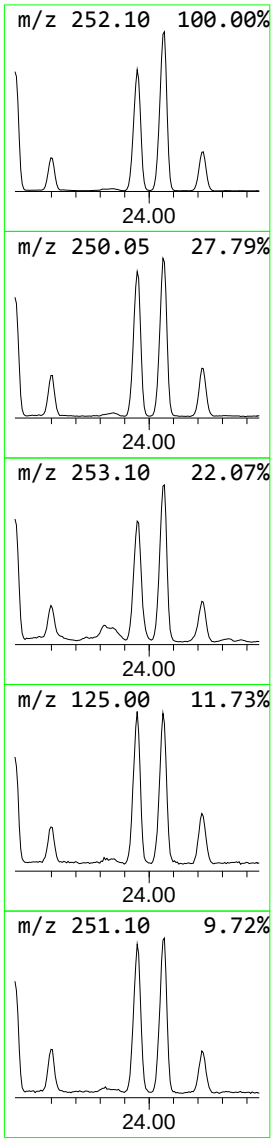
****

Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.951	52.14 ng	4136950	Perylene-d12	24.163

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

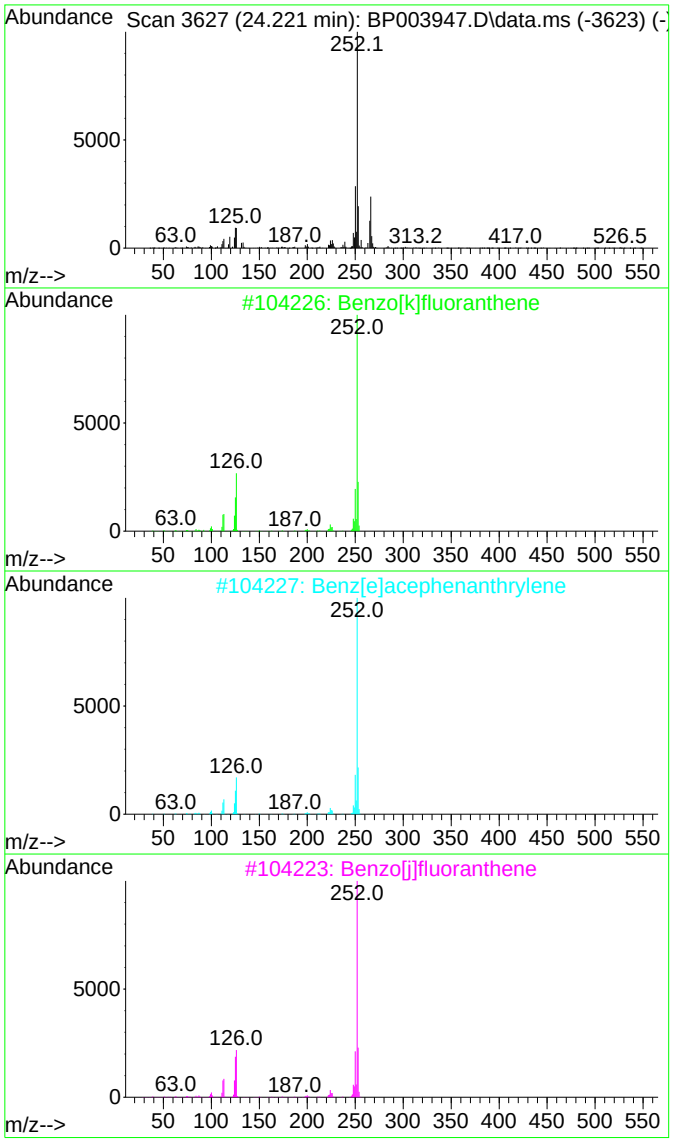
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

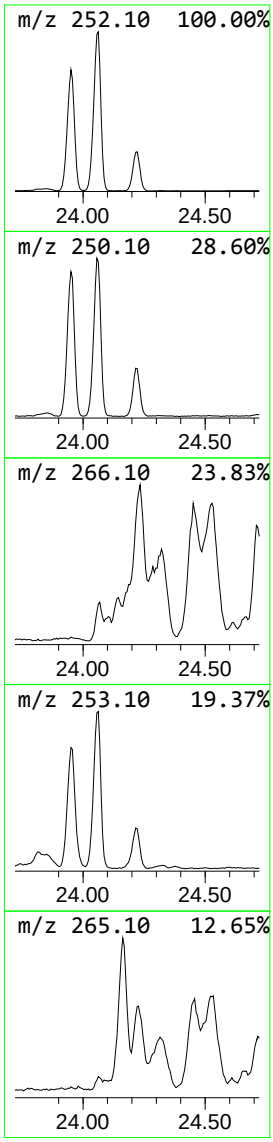
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.221	19.49 ng	1546560	Perylene-d12	24.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	86
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	70
4	Benzo[a]pyrene	252	C20H12	000050-32-8	70
5	Benzo[e]pyrene	252	C20H12	000192-97-2	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003947.D
Acq On : 12 Nov 2020 19:58
Operator : CG/JU
Sample : L4702-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : M-6(0-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.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
unknown2.928	2.928	171.6	ng	7339780	1	8.281	855274	20.0
Butane, 2-metho...	3.175	12.9	ng	550632	1	8.281	855274	20.0
Tetradecane	13.728	7.3	ng	506972	3	14.904	1397480	20.0
Tridecane	14.787	9.1	ng	636350	3	14.904	1397480	20.0
Hexadecane	15.728	5.6	ng	393573	3	14.904	1397480	20.0
Anthracene, 2-m...	18.533	6.0	ng	493645	4	17.639	1632160	20.0
4H-Cyclopenta[d...	18.680	13.2	ng	1080230	4	17.639	1632160	20.0
di-p-Tolylacety...	19.363	8.2	ng	667403	4	17.639	1632160	20.0
Cyclopenta(def)...	19.498	12.1	ng	988419	4	17.639	1632160	20.0
Fluoranthene, 2...	20.433	9.2	ng	2646030	5	21.674	5732080	20.0
Pyrene, 1-methyl-	20.592	6.1	ng	1745270	5	21.674	5732080	20.0
Pyrene, 4-methyl-	20.727	6.0	ng	1731190	5	21.674	5732080	20.0
7H-Benzo[c]fluo...	20.769	6.9	ng	1990360	5	21.674	5732080	20.0
Benzo[b]naphtho...	21.322	7.8	ng	2228930	5	21.674	5732080	20.0
Benzo[ghi]fluor...	21.398	5.3	ng	1523620	5	21.674	5732080	20.0
Cyclopenta(cd)p...	21.845	4.9	ng	1414500	5	21.674	5732080	20.0
Benzo[e]pyrene	23.598	13.3	ng	1052530	6	24.163	1586770	20.0
Perylene	23.951	52.1	ng	4136950	6	24.163	1586770	20.0
Benzo[j]fluoran...	24.221	19.5	ng	1546560	6	24.163	1586770	20.0