LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011321\
Data File : BP004546.D
Acq On : 13 Jan 2021 20:03
Operator : CG/JU
Sample : M1123-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VW-SP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP004546.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.405	371	377	385	rBV	1206676	1802512	28.45%	2.895%
2	5.816	441	447	455	rBV	64511	132220	2.09%	0.212%
3	6.987	636	646	664	rBV	1060247	1867244	29.48%	2.999%
4	7.475	716	729	738	rBV3	37845	104868	1.66%	0.168%
5	7.816	778	787	794	rBV	682359	1108816	17.50%	1.781%
6	8.351	869	878	886	rBV	28362	64395	1.02%	0.103%
7	8.969	976	983	999	rBV	682931	1178934	18.61%	1.893%
8	10.610	1253	1262	1268	rBV	840799	1457073	23.00%	2.340%
9	10.657	1268	1270	1277	rVB	62289	93047	1.47%	0.149%
10	12.128	1511	1520	1530	rVB	44841	135935	2.15%	0.218%
11	13.081	1675	1682	1692	rVB	2077453	2980743	47.05%	4.787%
12	13.916	1815	1824	1833	rBV	206977	343553	5.42%	0.552%
13	14.186	1863	1870	1880	rBV	420475	686457	10.84%	1.102%
14	14.463	1910	1917	1924	rBV	1307429	1979656	31.25%	3.179%
15	15.339	2061	2066	2072	rVB3	34347	66653	1.05%	0.107%
16	15.516	2091	2096	2104	rBV	46216	96587	1.52%	0.155%
17	15.728	2127	2132	2141	rBV5	28365	71753	1.13%	0.115%
18	15.963	2165	2172	2183	rBV	1734341	2627850	41.48%	4.220%
19	16.198	2207	2212	2221	rBV2	71288	139135	2.20%	0.223%
20	16.804	2311	2315	2321	rBV2	40952	66099	1.04%	0.106%
21	16.880	2324	2328	2335	rVB2	75979	131964	2.08%	0.212%
22	17.227	2381	2387	2391	rBV	1712204	2519433	39.77%	4.046%
23	17.269	2391	2394	2402	rVV	1200577	1618272	25.55%	2.599%
24	17.363	2405	2410	2415	rVB	311825	449065	7.09%	0.721%
25	17.627	2452	2455	2461	rVB2	81452	120759	1.91%	0.194%
26	17.745	2471	2475	2480	rVB	155824	225980	3.57%	0.363%
27	17.798	2481	2484	2493	rVB5	45206	84379	1.33%	0.136%
28	18.098	2531	2535	2540	rBV2	147086	342689	5.41%	0.550%
29	18.145	2540	2543	2547	rVB	177568	245528	3.88%	0.394%
30	18.222	2553	2556	2561	rVB	72521	90329	1.43%	0.145%
31	18.286	2562	2567	2571	rVV2	340931	629476	9.94%	1.011%
32	18.322	2571	2573	2578	rVB	136993	153745	2.43%	0.247%
33	18.580	2613	2617	2621	rBV	363325	453724	7.16%	0.729%
34	18.627	2621	2625	2633	rVB	199348	280567	4.43%	0.451%
35	18.986	2682	2686	2693	rBV2	151214	319698	5.05%	0.513%
36	19.127	2706	2710	2716	rBV2	212745	304465	4.81%	0.489%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011321\
Data File : BP004546.D
Acq On : 13 Jan 2021 20:03
Operator : CG/JU
Sample : M1123-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VW-SP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.245	2725	2730	2736	rVB	3075432	3964740	62.59%	6.367%
38	19.392	2751	2755	2759	rVB	381989	500046	7.89%	0.803%
39	19.598	2781	2790	2798	rBV	3985362	5725390	90.38%	9.195%
40	19.792	2818	2823	2827	rBV	3802246	4782146	75.49%	7.680%
41	20.174	2886	2888	2892	rVB	157776	160305	2.53%	0.257%
42	20.233	2896	2898	2902	rVB2	236515	259771	4.10%	0.417%
43	20.369	2919	2921	2925	rVB	222209	240103	3.79%	0.386%
44	20.416	2926	2929	2933	rBV	288348	355569	5.61%	0.571%
45	21.010	3027	3030	3033	rBV	301329	414046	6.54%	0.665%
46	21.051	3034	3037	3041	rVB	502398	670705	10.59%	1.077%
47	21.321	3076	3083	3087	rBV3	3475977	6334615	100.00%	10.173%
48	21.357	3087	3089	3094	rVB	1459687	1712807	27.04%	2.751%
49	22.968	3358	3363	3376	rVB	1455138	4471705	70.59%	7.182%
50	23.474	3444	3449	3457	rVB	1071931	2094569	33.07%	3.364%
51	23.574	3461	3466	3474	rVB	1385105	2705972	42.72%	4.346%
52	23.680	3479	3484	3490	rVB2	1562923	2900293	45.78%	4.658%

Sum of corrected areas: 62266385

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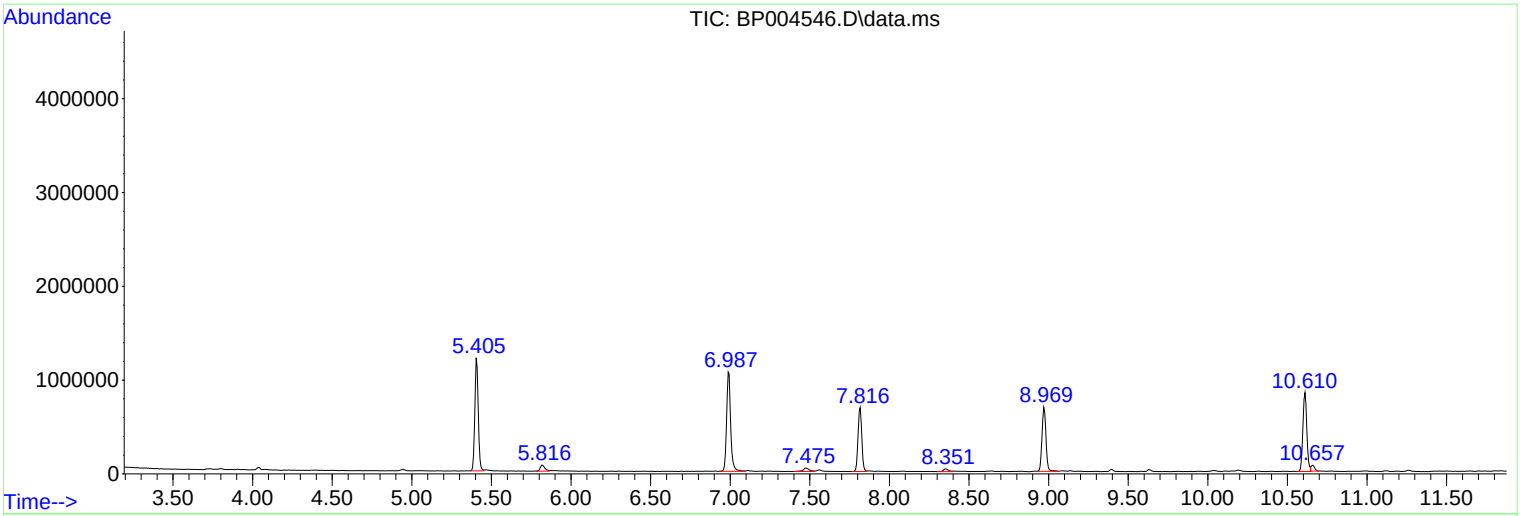
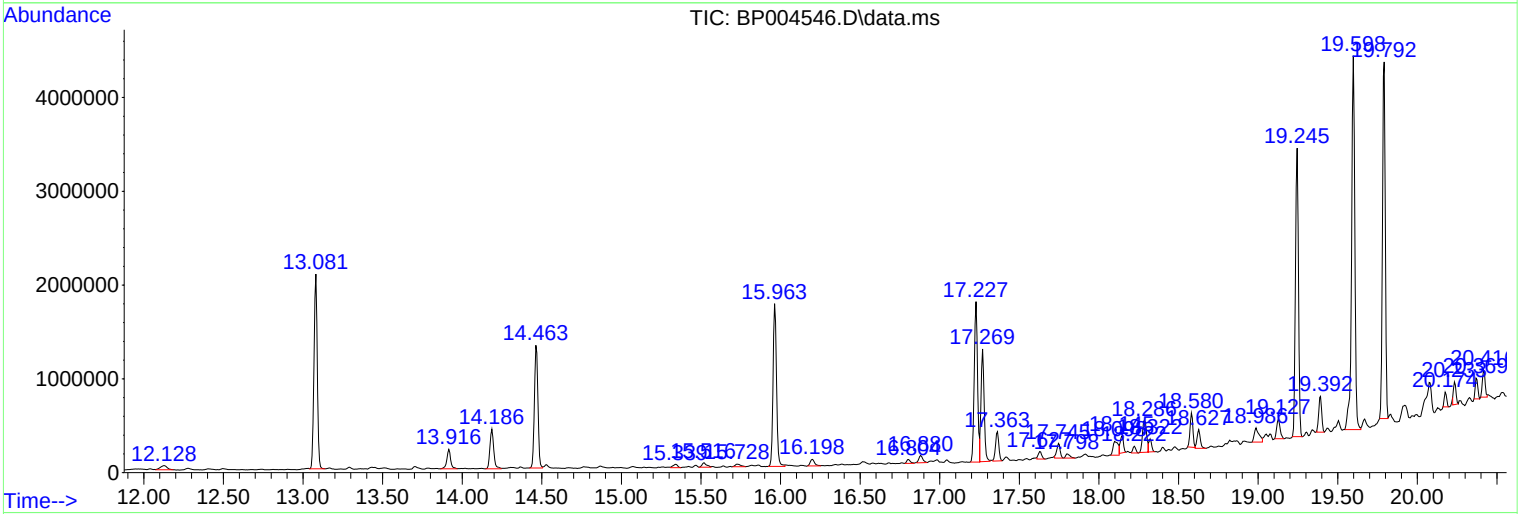
Misc :
ALS Vial : 19 Sample Multiplier: 1

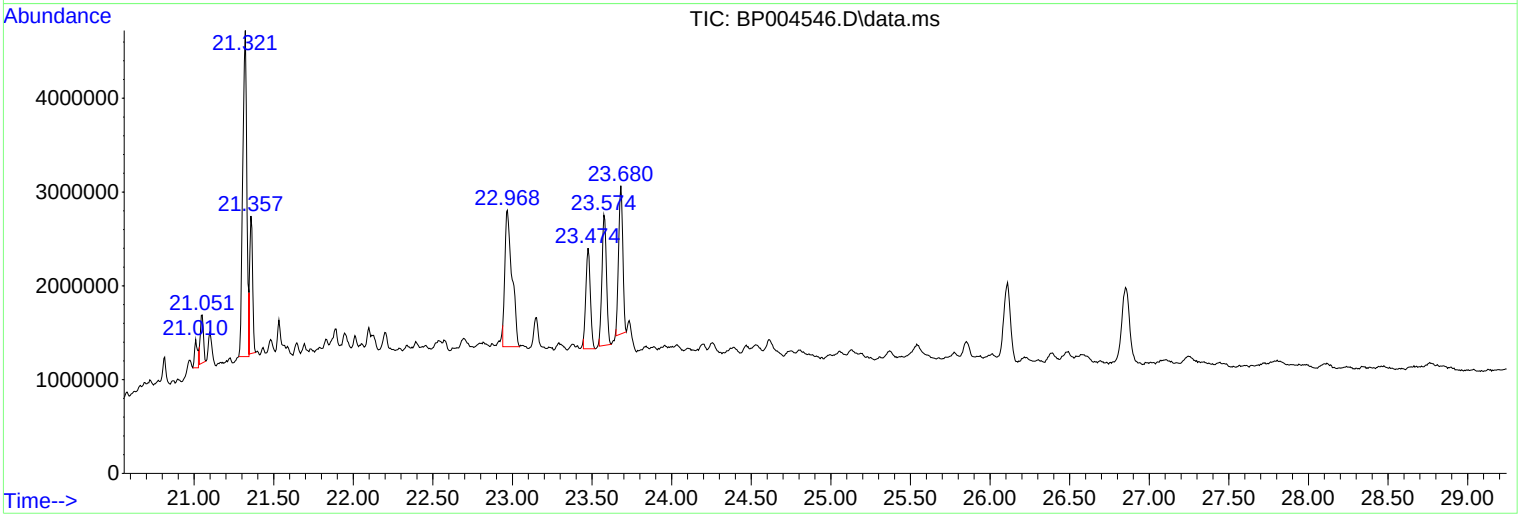
Instrument :
BNA_P
ClientSampleId :
VW-SP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.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\BP011321\
Data File : BP004546.D
Acq On : 13 Jan 2021 20:03
Operator : CG/JU
Sample : M1123-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
VW-SP

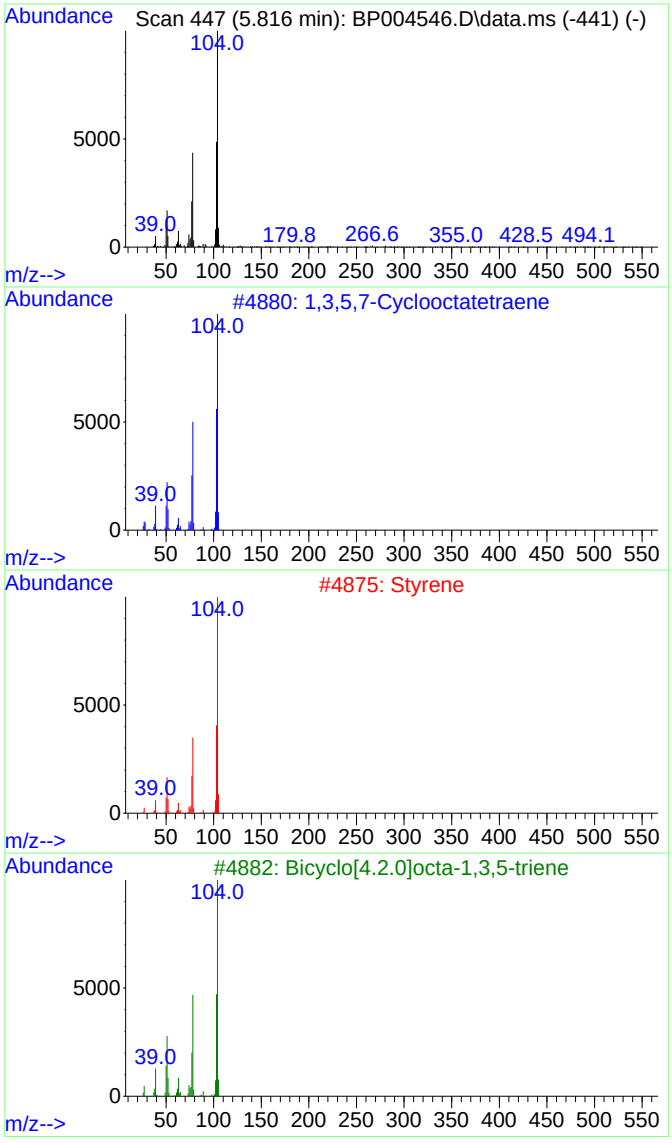
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

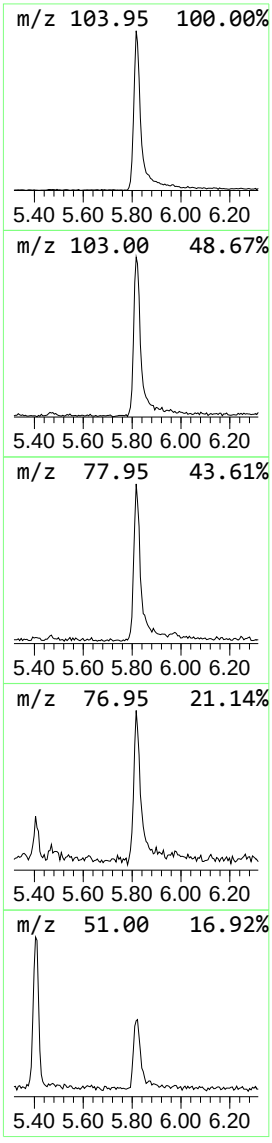
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 1,3,5,7-Cyclooctatetraene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.816	2.38 ng	132220	1,4-Dichlorobenzene-d4	7.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	95
2	Styrene	104	C8H8	000100-42-5	95
3	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	94
4	Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	72
5	Benzeneethanamine, N-[(4-hydroxy...	269	C17H19NO2	106827-59-2	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011321\
Data File : BP004546.D
Acq On : 13 Jan 2021 20:03
Operator : CG/JU
Sample : M1123-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
VW-SP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

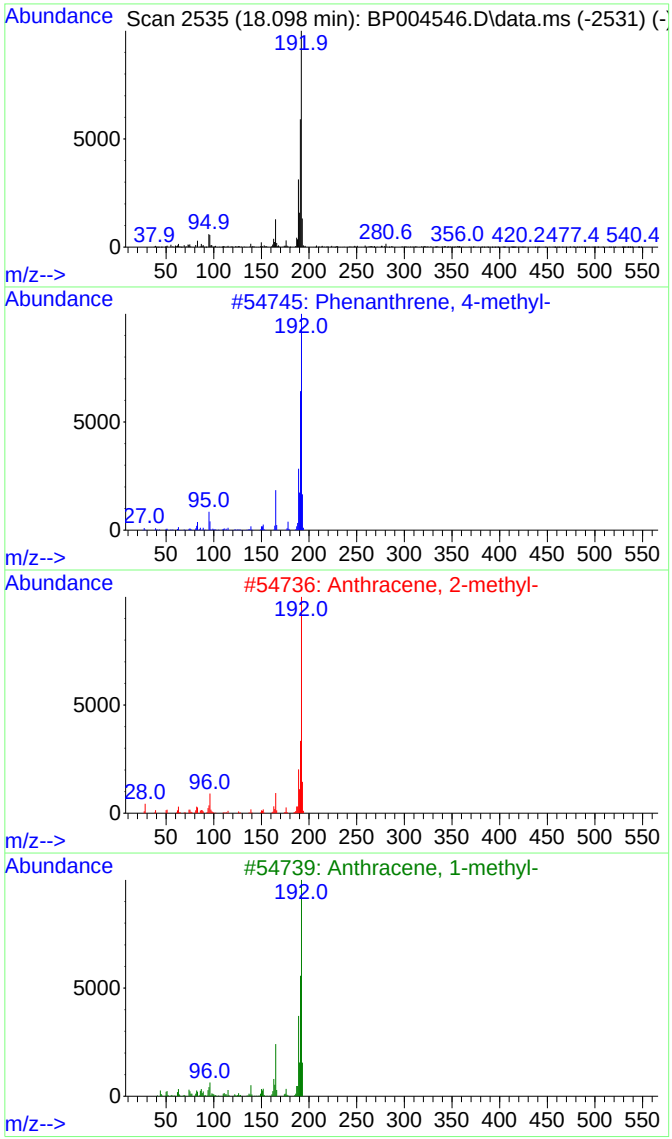
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

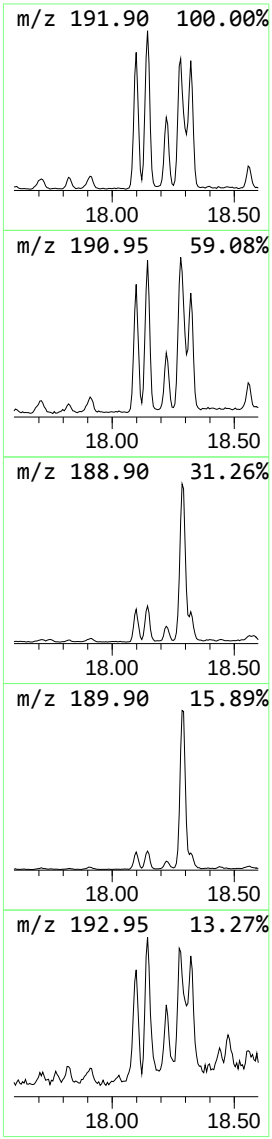
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.098	2.72 ng	342689	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011321\
Data File : BP004546.D
Acq On : 13 Jan 2021 20:03
Operator : CG/JU
Sample : M1123-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VW-SP

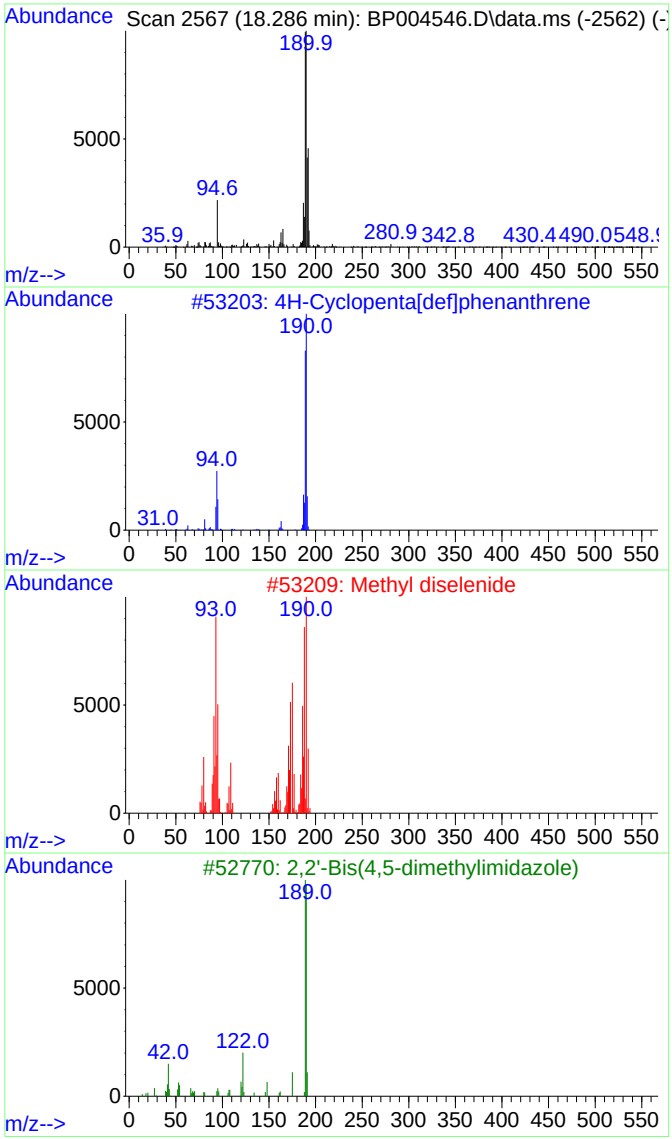
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

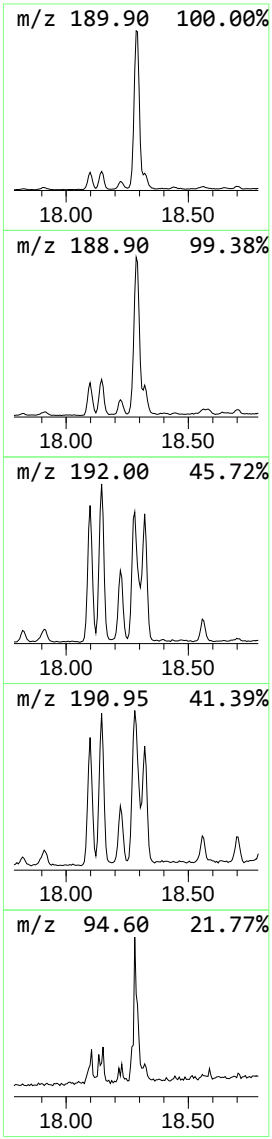
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.286	5.00 ng	629476	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	33
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011321\
Data File : BP004546.D
Acq On : 13 Jan 2021 20:03
Operator : CG/JU
Sample : M1123-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VW-SP

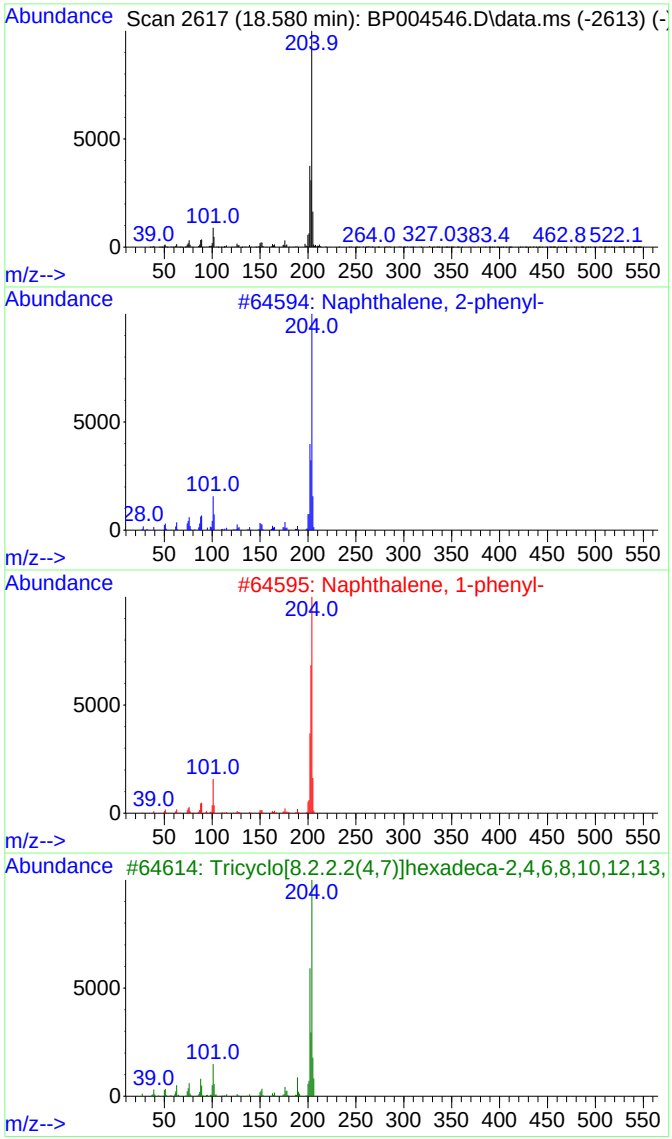
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

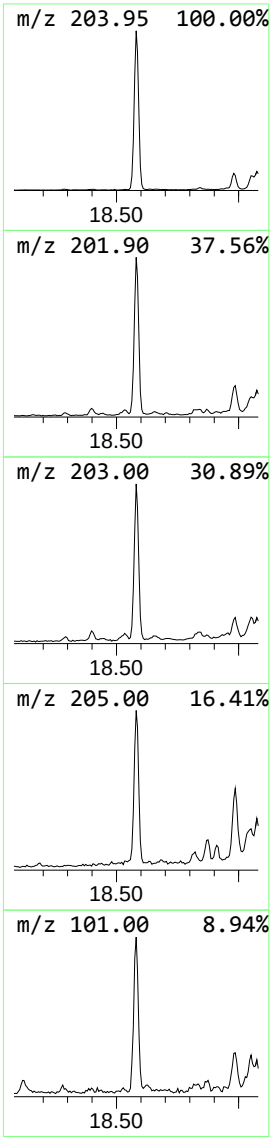
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 2-phenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.580	3.60 ng	453724	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	59
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011321\
Data File : BP004546.D
Acq On : 13 Jan 2021 20:03
Operator : CG/JU
Sample : M1123-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VW-SP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

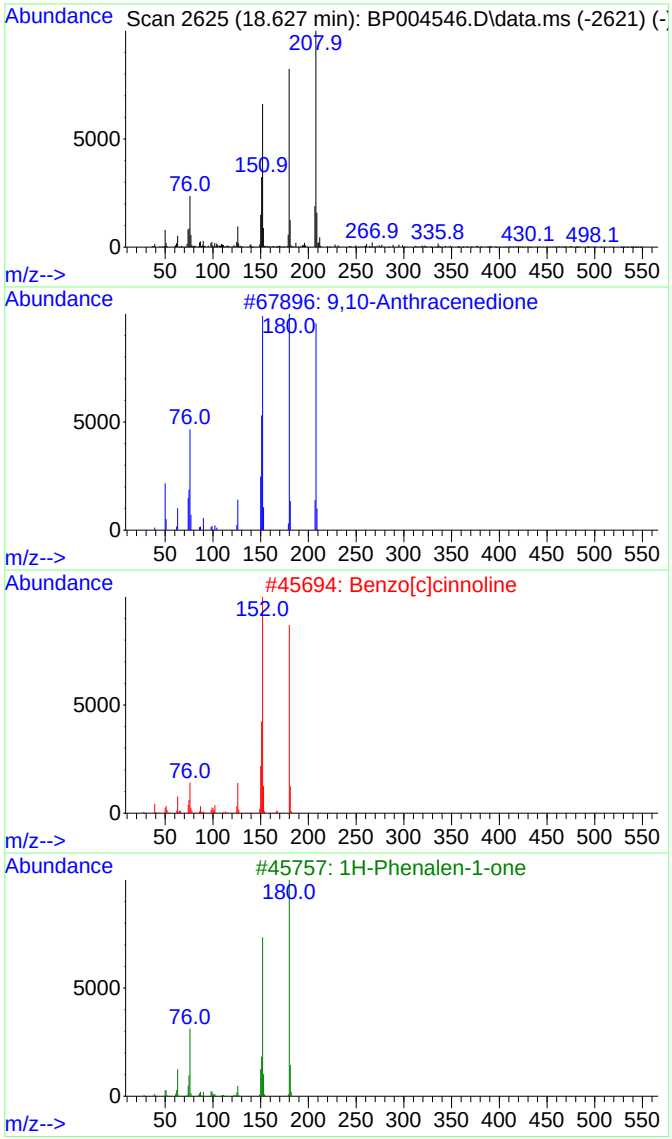
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

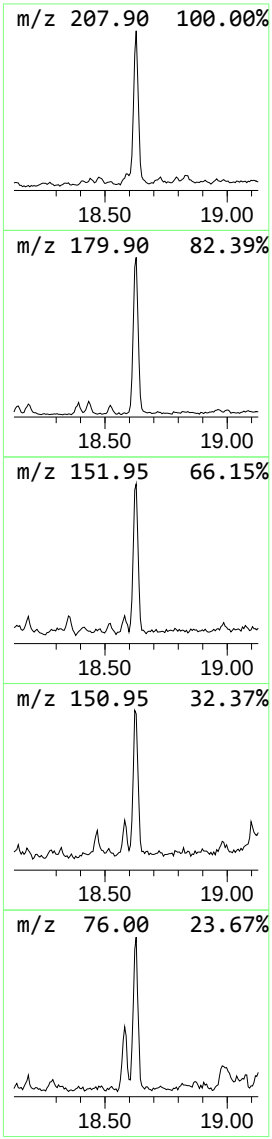
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.627	2.23 ng	280567	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	70
4	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	47
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011321\
Data File : BP004546.D
Acq On : 13 Jan 2021 20:03
Operator : CG/JU
Sample : M1123-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
VW-SP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

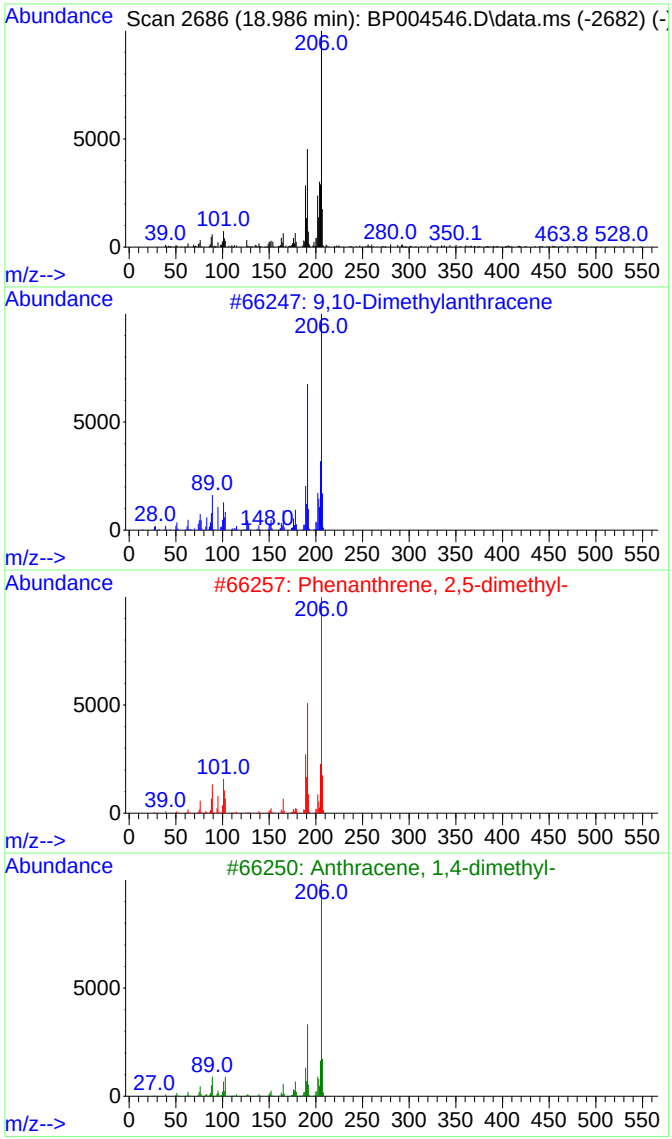
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

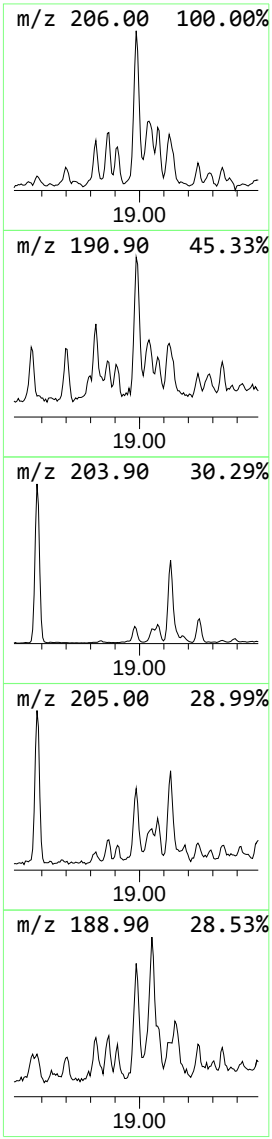
****

Peak Number 6 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.986	2.54 ng	319698	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	76
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	70
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	68
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011321\
Data File : BP004546.D
Acq On : 13 Jan 2021 20:03
Operator : CG/JU
Sample : M1123-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
VW-SP

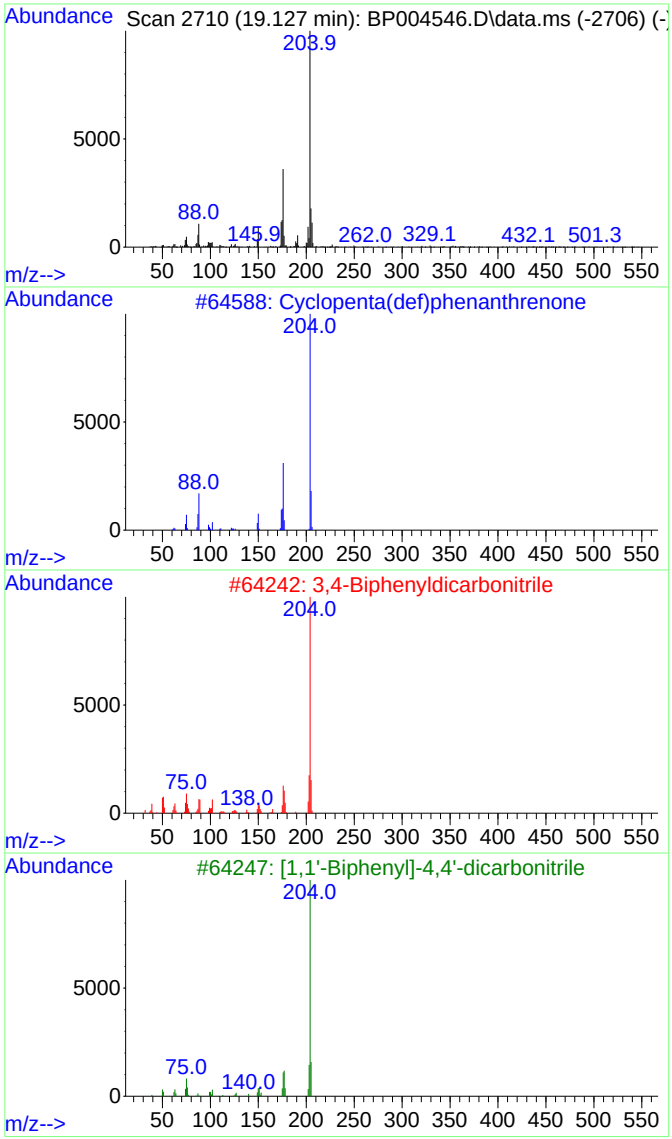
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

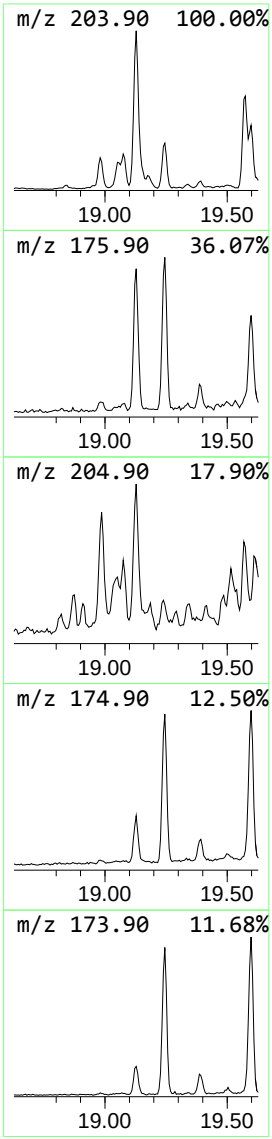
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.127	2.42 ng	304465	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	72
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
4	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	45
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011321\
Data File : BP004546.D
Acq On : 13 Jan 2021 20:03
Operator : CG/JU
Sample : M1123-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VW-SP

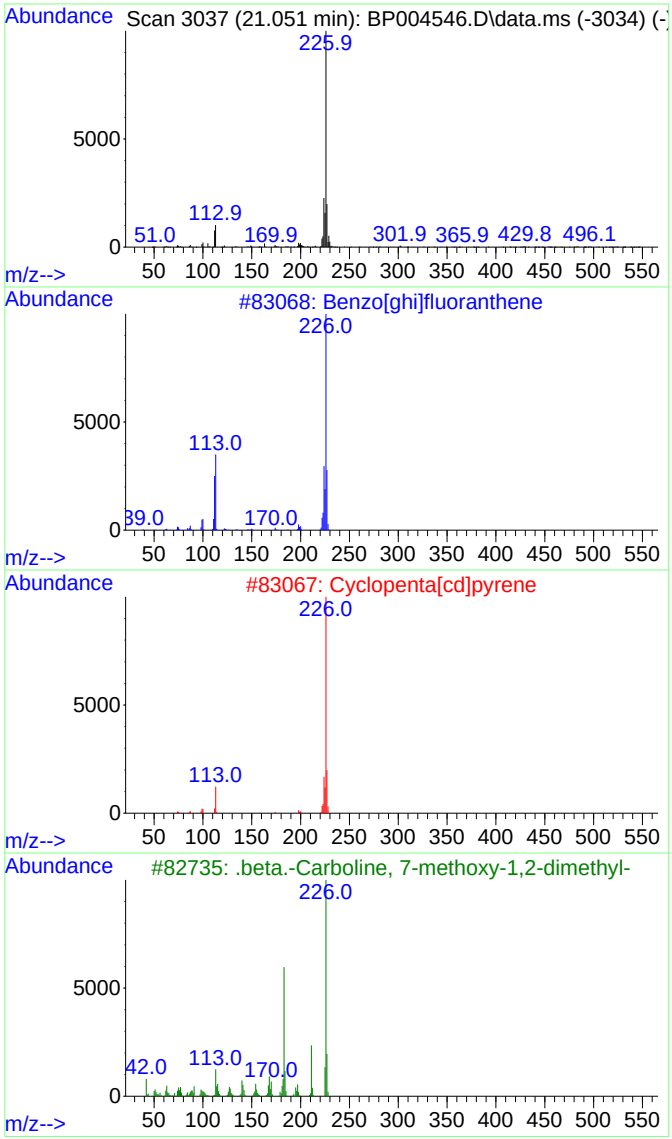
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

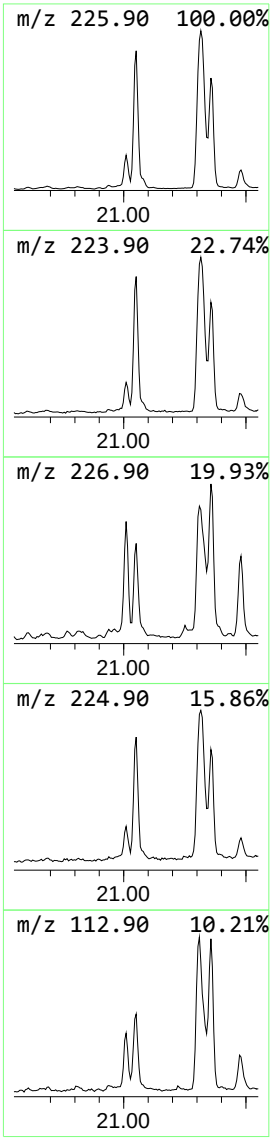
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Cyclopenta[cd]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.051	2.12 ng	670705	Chrysene-d12	21.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	81
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	64
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	45
5	2,2'-Oxydibenzaldehyde	226	C14H10O3	049590-51-4	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011321\
Data File : BP004546.D
Acq On : 13 Jan 2021 20:03
Operator : CG/JU
Sample : M1123-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
VW-SP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

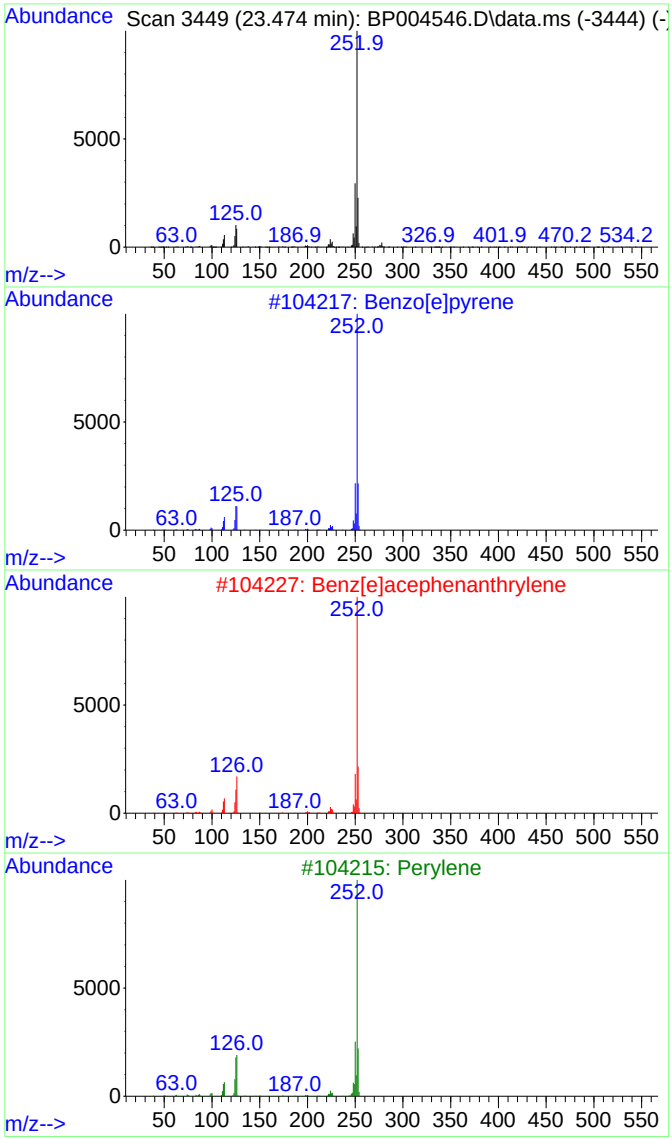
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

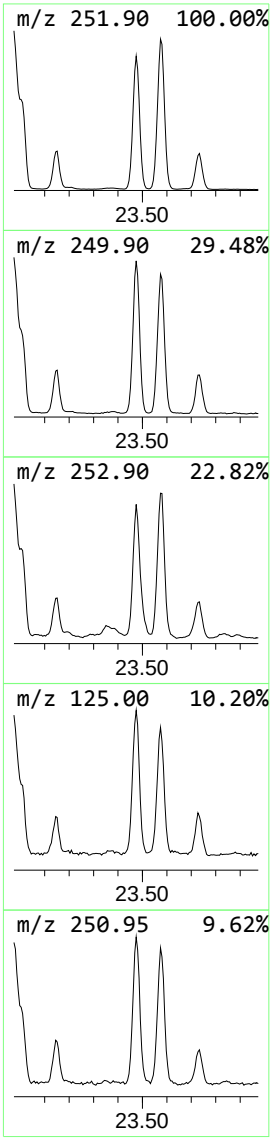
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.474	14.44 ng	2094570	Perylene-d12	23.680

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	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011321\
Data File : BP004546.D
Acq On : 13 Jan 2021 20:03
Operator : CG/JU
Sample : M1123-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VW-SP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.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
1,3,5,7-Cyclooc...	5.816	2.4	ng	132220	1	7.816	1108820	20.0
Phenanthrene, 4...	18.098	2.7	ng	342689	4	17.227	2519430	20.0
4H-Cyclopenta[d...	18.286	5.0	ng	629476	4	17.227	2519430	20.0
Naphthalene, 2-...	18.580	3.6	ng	453724	4	17.227	2519430	20.0
9,10-Anthracene...	18.627	2.2	ng	280567	4	17.227	2519430	20.0
9,10-Dimethylan...	18.986	2.5	ng	319698	4	17.227	2519430	20.0
Cyclopenta(def)...	19.127	2.4	ng	304465	4	17.227	2519430	20.0
Cyclopenta[cd]p...	21.051	2.1	ng	670705	5	21.321	6334620	20.0
Benzo[e]pyrene	23.474	14.4	ng	2094570	6	23.680	2900290	20.0