LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003312.D
Acq On : 16 Sep 2020 20:59
Operator : CG/JU
Sample : L4015-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : REACTOR-5W-(A-D-0-4)

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-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP003312.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.228	392	398	415	rBV	1558348	2410299	51.44%	3.798%
2	6.810	658	667	682	rBV	1349580	2392125	51.06%	3.769%
3	7.616	795	804	814	rBV	514161	808782	17.26%	1.274%
4	8.763	987	999	1012	rBV	1001369	1733044	36.99%	2.731%
5	10.393	1267	1276	1283	rBV	565900	1054376	22.50%	1.661%
6	12.881	1691	1699	1721	rBV	2524998	3801494	81.14%	5.990%
7	13.722	1836	1842	1854	rBV	190766	304504	6.50%	0.480%
8	13.981	1881	1886	1898	rVB	43165	73714	1.57%	0.116%
9	14.263	1926	1934	1940	rBV	849311	1287495	27.48%	2.029%
10	14.322	1940	1944	1954	rVB	66113	107745	2.30%	0.170%
11	15.086	2069	2074	2079	rVB	100266	130552	2.79%	0.206%
12	15.757	2182	2188	2201	rBV	1550178	2391683	51.05%	3.768%
13	16.322	2279	2284	2290	rBV	156738	215640	4.60%	0.340%
14	16.833	2368	2371	2381	rVB2	33726	61428	1.31%	0.097%
15	17.016	2396	2402	2406	rBV	920887	1365960	29.15%	2.152%
16	17.057	2406	2409	2415	rVB	698412	916053	19.55%	1.443%
17	17.151	2421	2425	2431	rVB	160104	223936	4.78%	0.353%
18	17.216	2431	2436	2441	rBV	83225	117496	2.51%	0.185%
19	17.422	2464	2471	2477	rBV2	118945	226498	4.83%	0.357%
20	17.892	2547	2551	2554	rBV	78786	98585	2.10%	0.155%
21	17.933	2554	2558	2566	rBV2	186905	281254	6.00%	0.443%
22	18.016	2569	2572	2576	rVB	49992	61848	1.32%	0.097%
23	18.080	2578	2583	2587	rBV2	177803	277910	5.93%	0.438%
24	18.380	2630	2634	2638	rBV	74709	106551	2.27%	0.168%
25	18.416	2638	2640	2647	rVB2	40901	65525	1.40%	0.103%
26	18.786	2699	2703	2708	rBV	61507	107797	2.30%	0.170%
27	18.916	2722	2725	2733	rVB2	69003	112508	2.40%	0.177%
28	19.039	2740	2746	2753	rBV	2511799	3221962	68.77%	5.076%
29	19.392	2796	2806	2814	rBV	2186715	3803919	81.19%	5.993%
30	19.463	2815	2818	2826	rVB2	98706	157361	3.36%	0.248%
31	19.592	2832	2840	2844	rBV	3366540	4405088	94.02%	6.941%
32	19.722	2855	2862	2865	rBV2	127012	302784	6.46%	0.477%
33	19.874	2884	2888	2892	rVB2	442891	595933	12.72%	0.939%
34	19.974	2901	2905	2908	rVB	276156	330268	7.05%	0.520%
35	20.027	2911	2914	2917	rVB2	196765	241189	5.15%	0.380%
36	20.210	2941	2945	2949	rBV	150902	219321	4.68%	0.346%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003312.D
Acq On : 16 Sep 2020 20:59
Operator : CG/JU
Sample : L4015-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : REACTOR-5W-(A-D-0-4)

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-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	20.604	3009	3012	3019	rVB	198727	278916	5.95%	0.439%
38	20.763	3035	3039	3042	rBV3	240495	323511	6.90%	0.510%
39	20.798	3042	3045	3048	rVV	285069	333225	7.11%	0.525%
40	20.839	3048	3052	3058	rVV2	648447	1101099	23.50%	1.735%
41	20.892	3059	3061	3069	rVB	261242	314135	6.70%	0.495%
42	21.063	3087	3090	3092	rBV2	265719	328069	7.00%	0.517%
43	21.098	3092	3096	3101	rVV3	2518985	4685323	100.00%	7.382%
44	21.145	3101	3104	3114	rVB	1900895	2535275	54.11%	3.995%
45	21.263	3120	3124	3129	rBV	326509	448791	9.58%	0.707%
46	21.368	3139	3142	3146	rVB	274667	330148	7.05%	0.520%
47	21.416	3146	3150	3155	rBV2	331782	455377	9.72%	0.717%
48	21.651	3187	3190	3194	rVB	301384	374417	7.99%	0.590%
49	21.845	3220	3223	3226	rBV	192795	260628	5.56%	0.411%
50	22.663	3356	3362	3367	rBV	1854508	4196551	89.57%	6.612%
51	22.833	3386	3391	3400	rBV	378073	609133	13.00%	0.960%
52	23.133	3437	3442	3451	rVB	1079235	2131786	45.50%	3.359%
53	23.227	3452	3458	3467	rVV	1711467	3223883	68.81%	5.080%
54	23.327	3469	3475	3479	rVV2	926271	1837713	39.22%	2.895%
55	23.374	3480	3483	3492	rVB	529640	934903	19.95%	1.473%
56	25.586	3851	3859	3868	rVB	929443	2603304	55.56%	4.102%
57	26.274	3968	3976	3989	rVB	694987	2149538	45.88%	3.387%

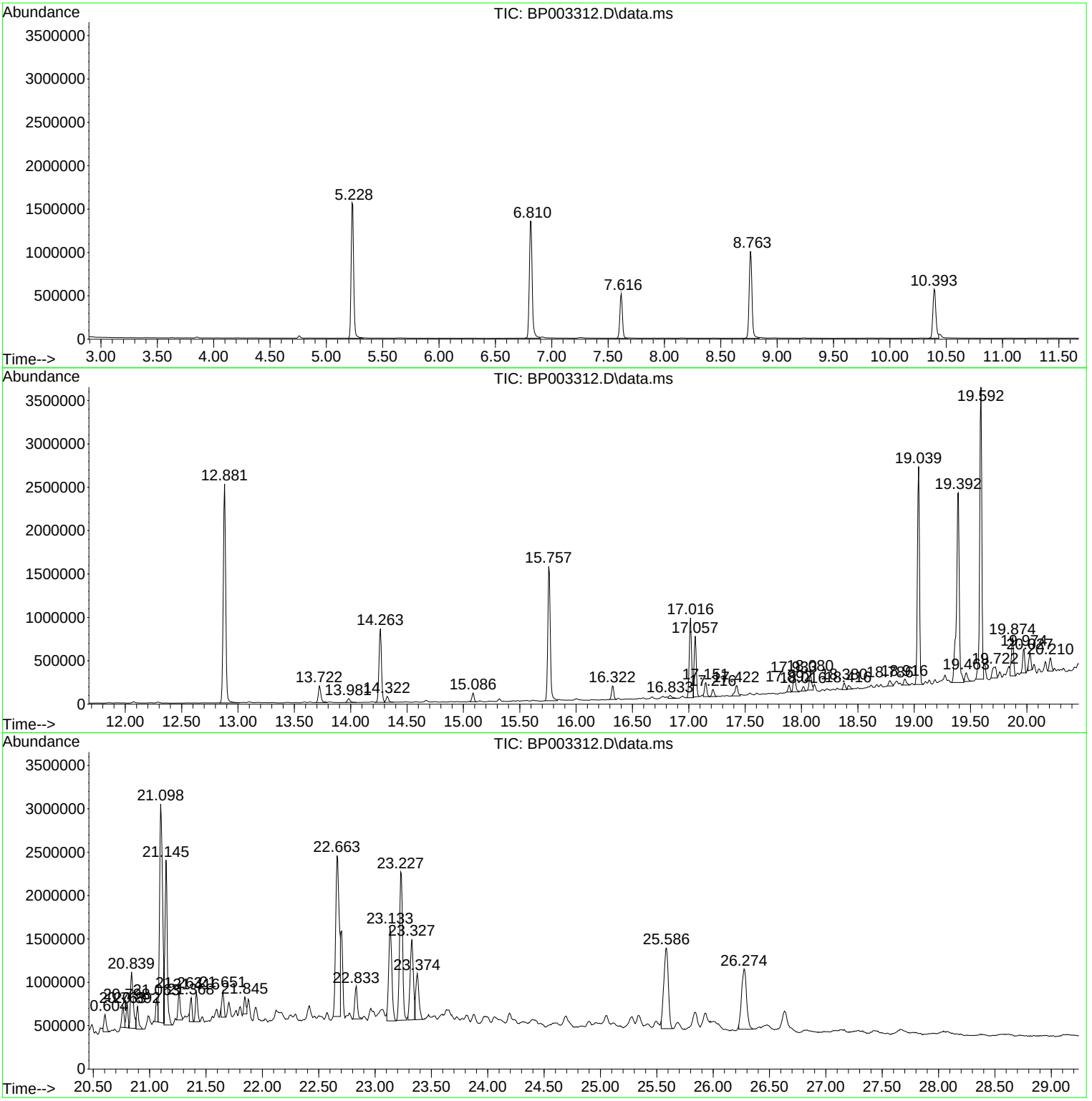
Sum of corrected areas: 63468352

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003312.D
Acq On : 16 Sep 2020 20:59
Operator : CG/JU
Sample : L4015-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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\BP091620\
Data File : BP003312.D
Acq On : 16 Sep 2020 20:59
Operator : CG/JU
Sample : L4015-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

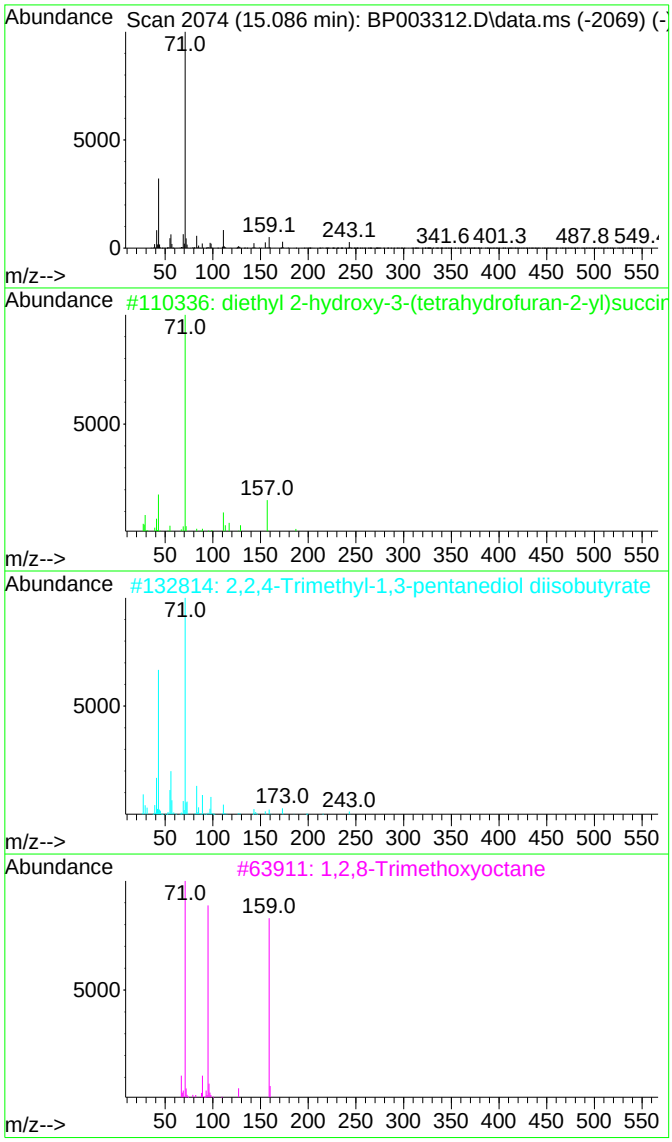
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

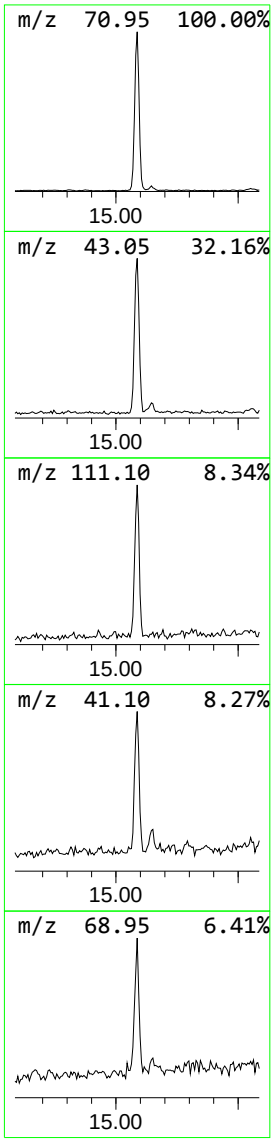
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 diethyl 2-hydroxy-3-(tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.086	2.03 ng	130552	Acenaphthene-d10	14.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	diethyl 2-hydroxy-3-(tetrahydrof...	260	C12H20O6	1000365-67-1	64
2	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	64
3	1,2,8-Trimethoxyoctane	204	C11H24O3	062635-58-9	50
4	Oxalic acid, decyl neopentyl ester	300	C17H32O4	1000309-73-4	50
5	Butyric acid, 1-propylpentyl ester	200	C12H24O2	020286-46-8	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003312.D
Acq On : 16 Sep 2020 20:59
Operator : CG/JU
Sample : L4015-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

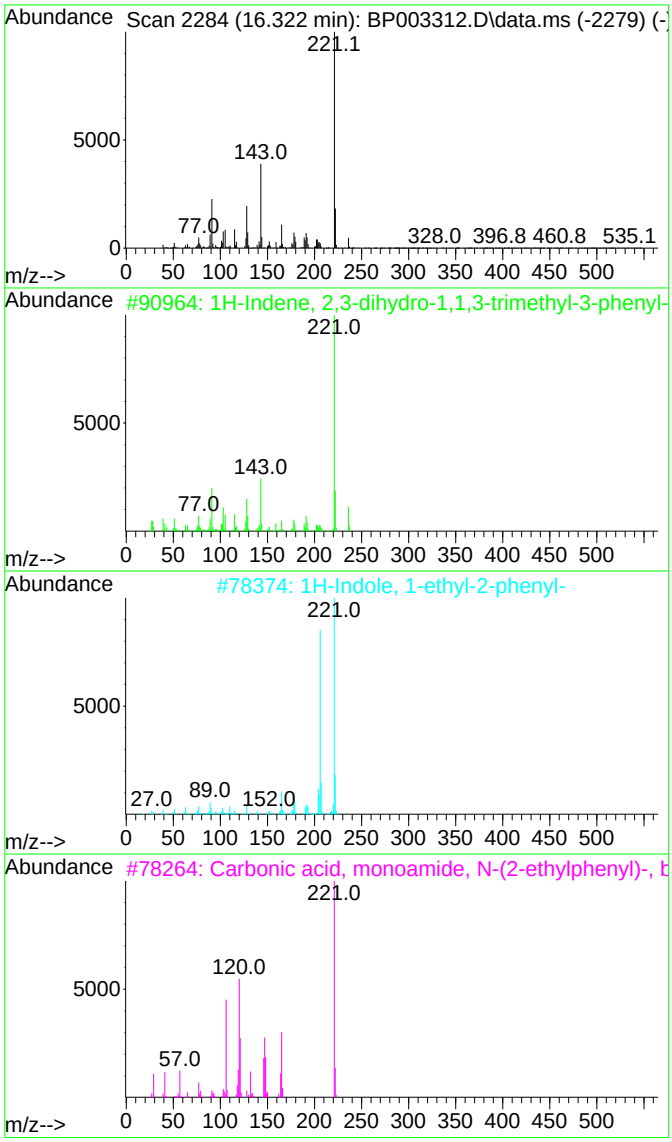
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

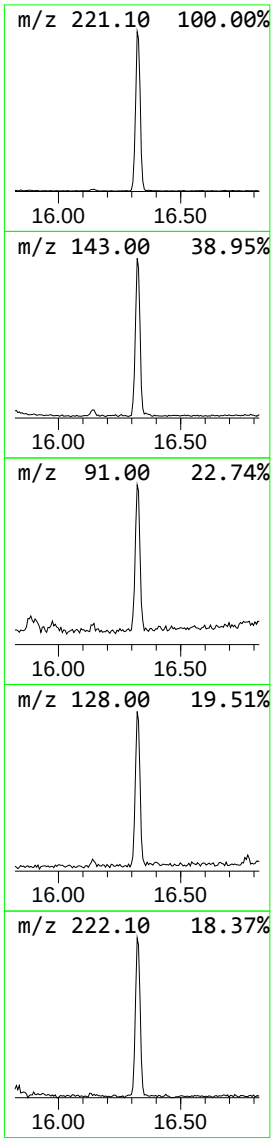
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.322	3.16 ng	215640	Phenanthrene-d10	17.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	90
2	1H-Indole, 1-ethyl-2-phenyl-	221	C16H15N	013228-39-2	49
3	Carbonic acid, monoamide, N-(2-e...	221	C13H19NO2	1000339-98-3	43
4	4-Hydroxy-beta-phenylcinnamonitrile	221	C15H11NO	016281-90-6	43
5	Ambrox	236	C16H28O	100679-85-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003312.D
Acq On : 16 Sep 2020 20:59
Operator : CG/JU
Sample : L4015-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

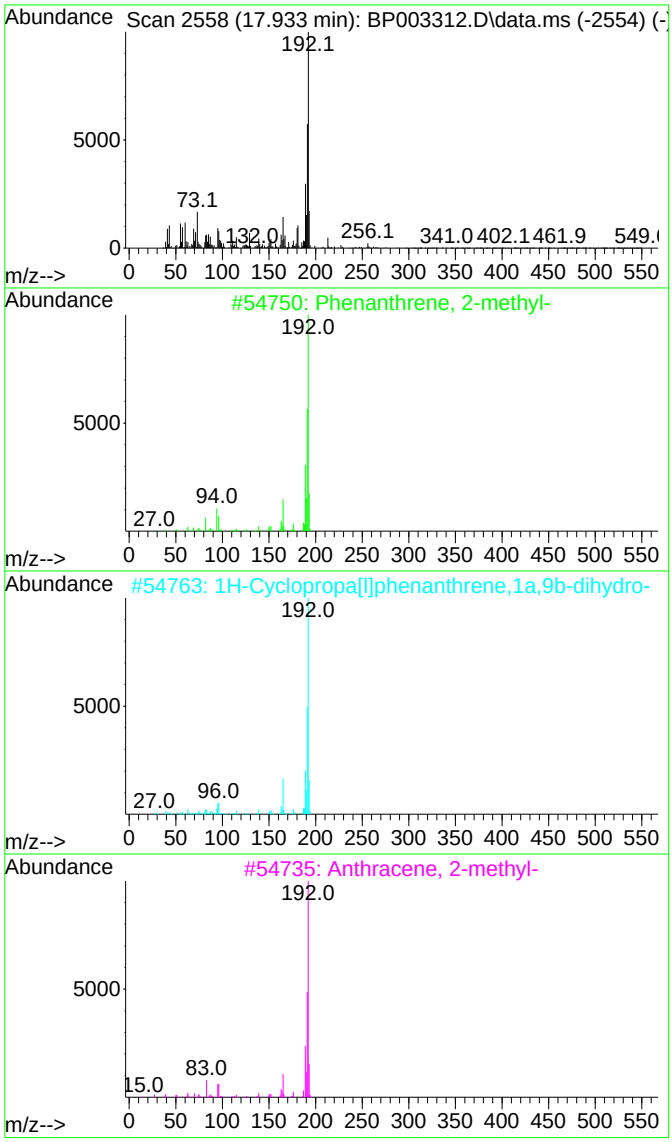
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

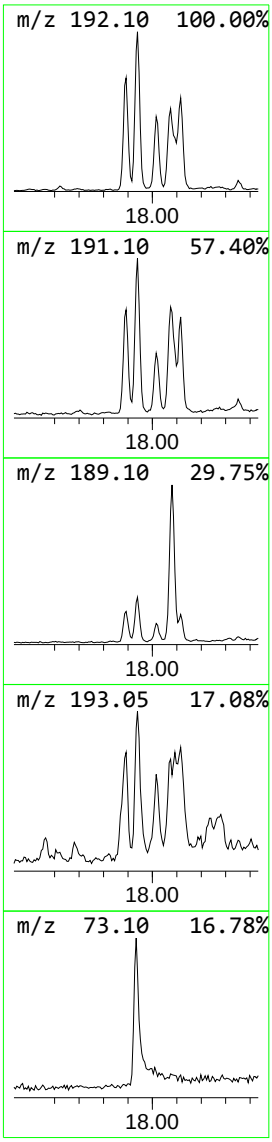
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.933	4.12 ng	281254	Phenanthrene-d10	17.016

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003312.D
Acq On : 16 Sep 2020 20:59
Operator : CG/JU
Sample : L4015-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

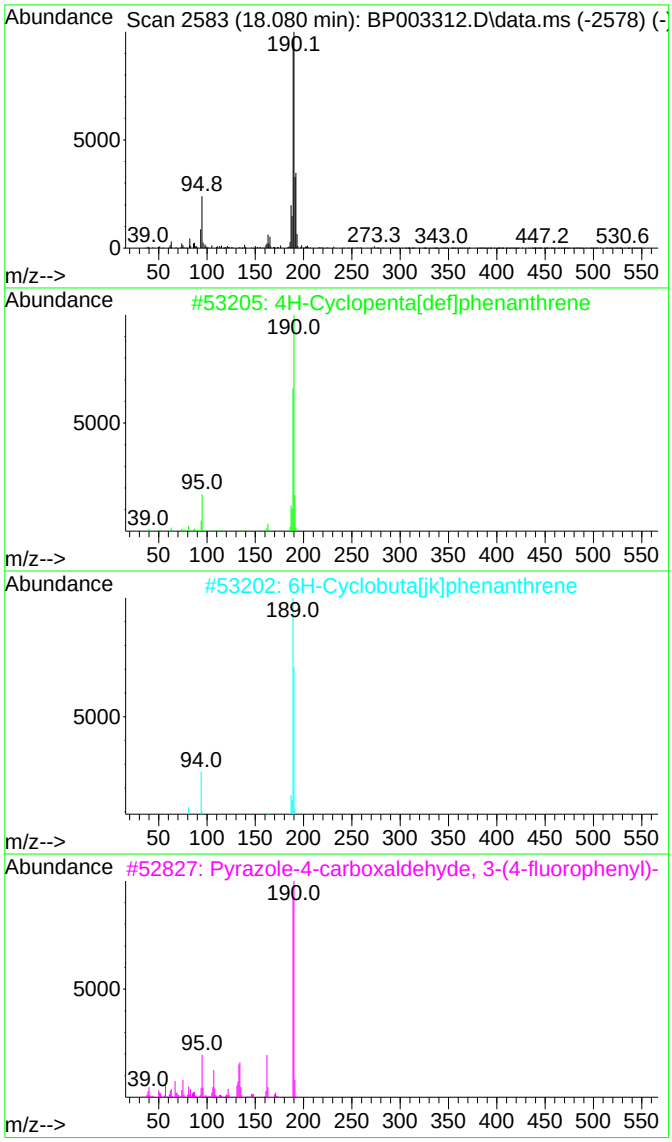
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

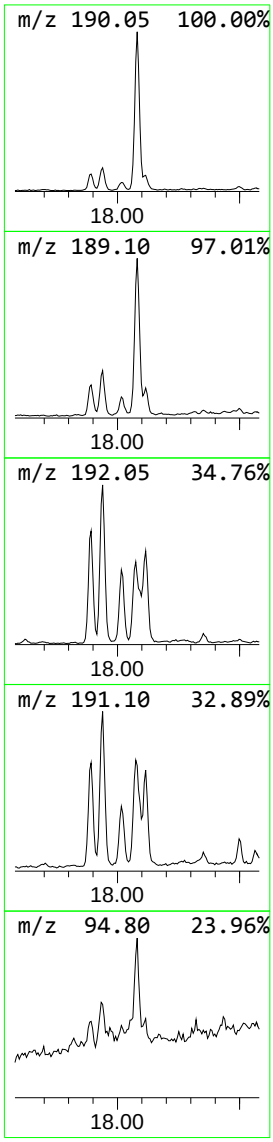
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.080	4.07 ng	277910	Phenanthrene-d10	17.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	52
4	Methyl diselenide	190	C2H6Se2	007101-31-7	46
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003312.D
Acq On : 16 Sep 2020 20:59
Operator : CG/JU
Sample : L4015-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

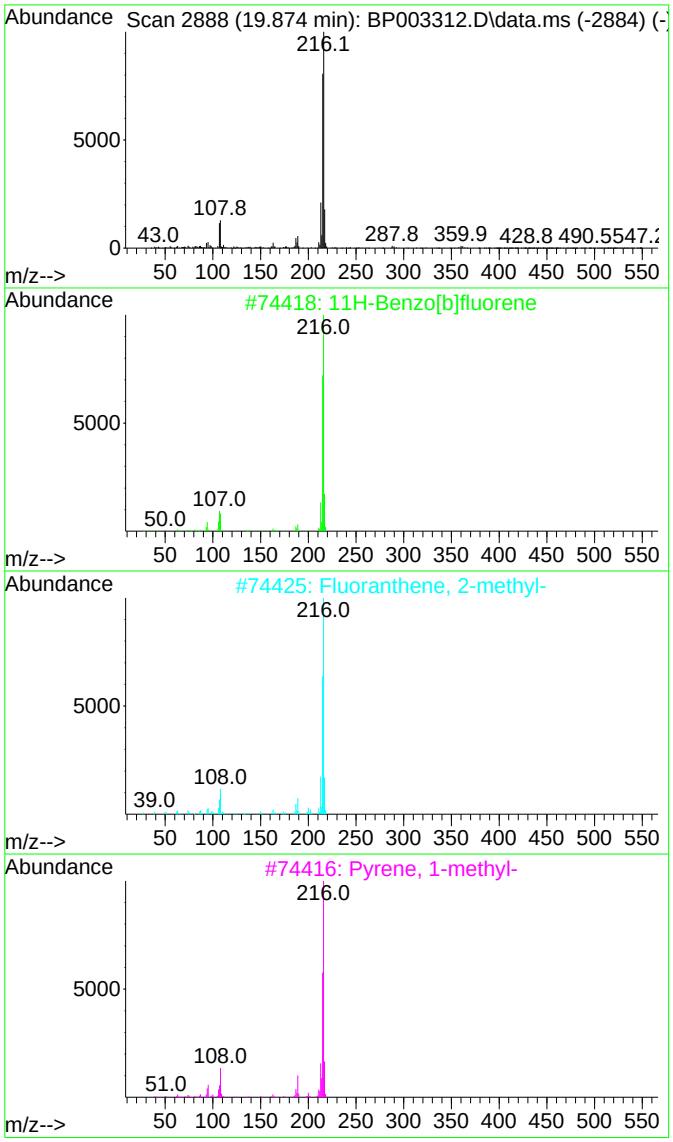
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

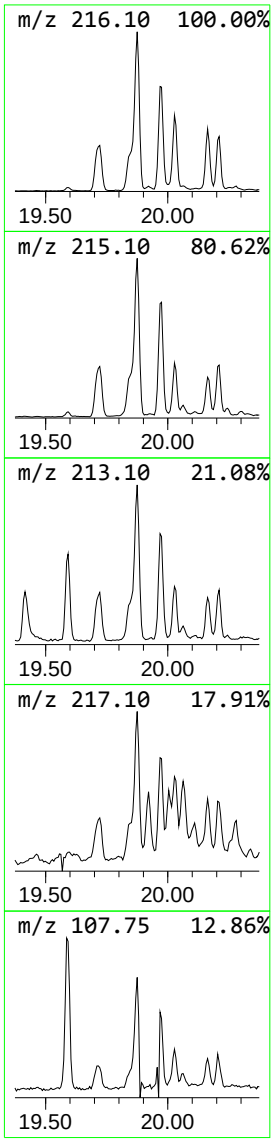
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.875	2.54 ng	595933	Chrysene-d12	21.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003312.D
Acq On : 16 Sep 2020 20:59
Operator : CG/JU
Sample : L4015-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

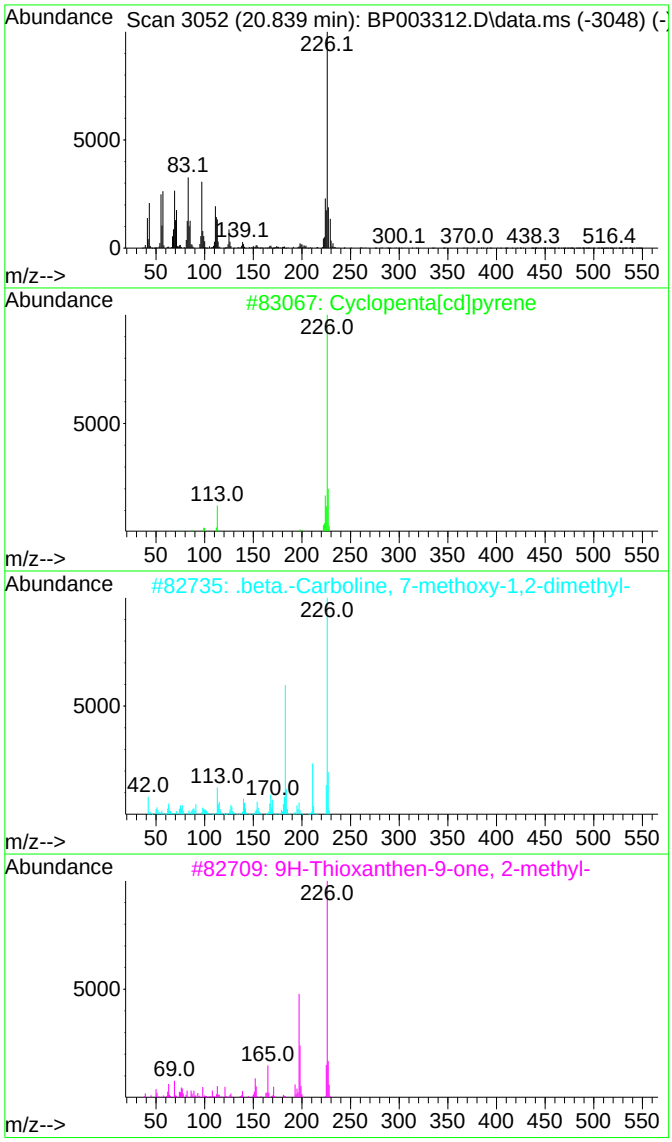
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

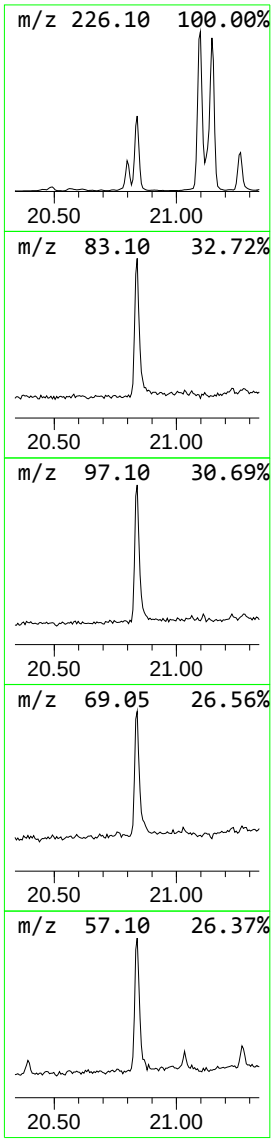
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclopenta[cd]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.839	4.70 ng	1101100	Chrysene-d12	21.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	53
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	43
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	43
4	2-Phenyl-4,5-methylenedioxybenza...	226	C14H10O3	004432-95-5	38
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003312.D
Acq On : 16 Sep 2020 20:59
Operator : CG/JU
Sample : L4015-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

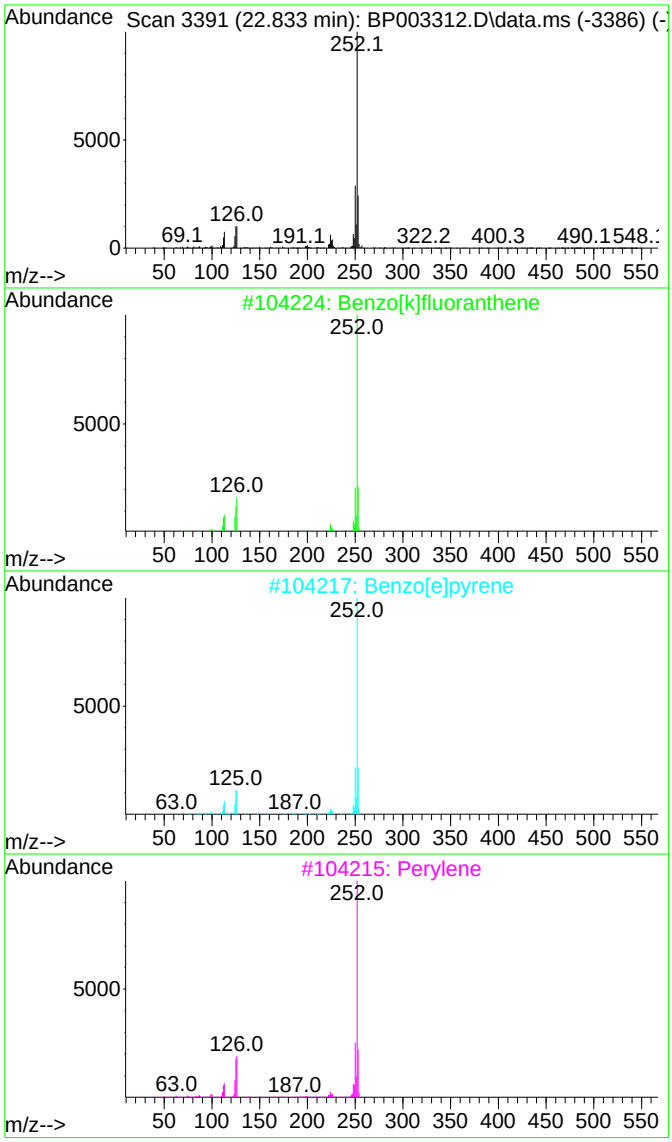
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

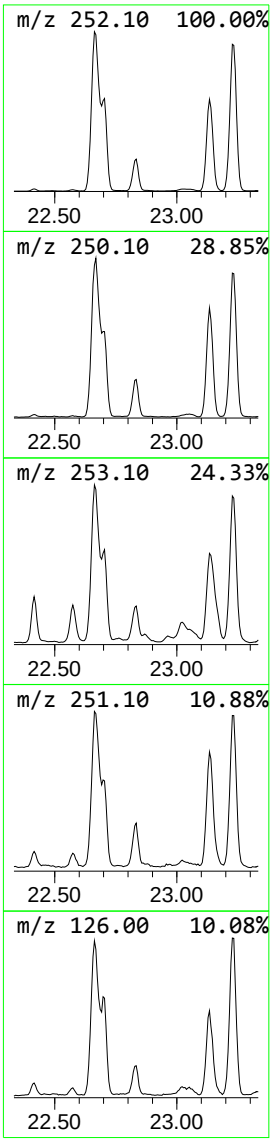
****

Peak Number 7 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.833	6.63 ng	609133	Perylene-d12	23.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Perylene	252	C20H12	000198-55-0	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003312.D
Acq On : 16 Sep 2020 20:59
Operator : CG/JU
Sample : L4015-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

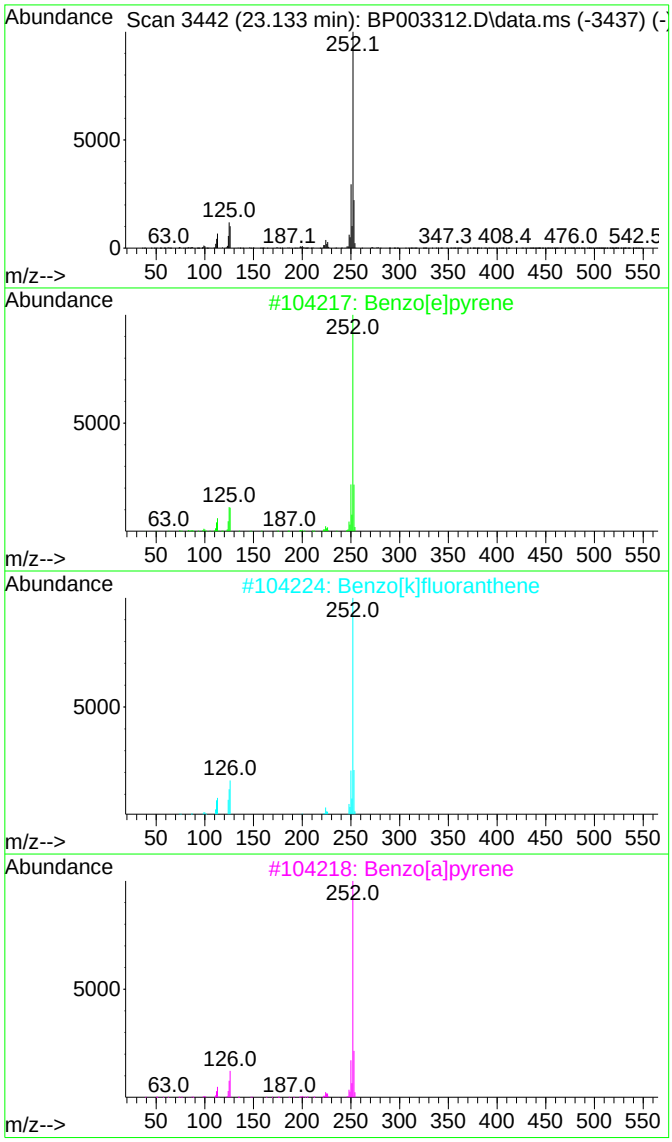
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

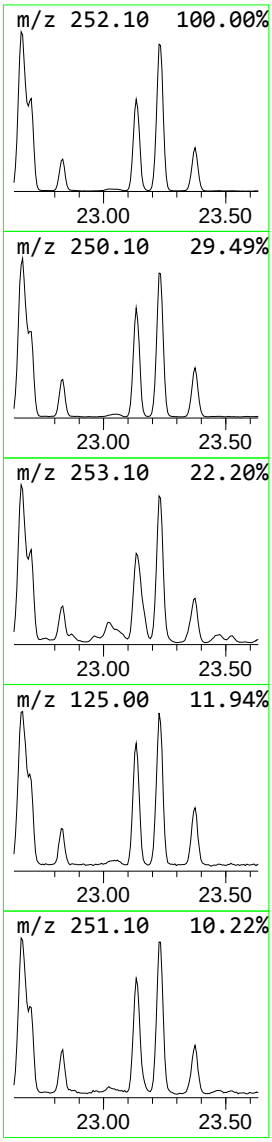
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.133	23.20 ng	2131790	Perylene-d12	23.327

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	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003312.D
Acq On : 16 Sep 2020 20:59
Operator : CG/JU
Sample : L4015-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : REACTOR-5W-(A-D-0-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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
diethyl 2-hydro...	15.086	2.0	ng	130552	3	14.263	1287500	20.0
1H-Indene, 2,3-...	16.322	3.2	ng	215640	4	17.016	1365960	20.0
Phenanthrene, 2...	17.933	4.1	ng	281254	4	17.016	1365960	20.0
4H-Cyclopenta[d...	18.080	4.1	ng	277910	4	17.016	1365960	20.0
11H-Benzo[b]flu...	19.875	2.5	ng	595933	5	21.110	4685320	20.0
Cyclopenta[cd]p...	20.839	4.7	ng	1101100	5	21.110	4685320	20.0
Perylene	22.833	6.6	ng	609133	6	23.327	1837710	20.0
Benzo[e]pyrene	23.133	23.2	ng	2131790	6	23.327	1837710	20.0