LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112921\
Data File : BP008151.D
Acq On : 29 Nov 2021 20:28
Operator : CG/JU
Sample : M4842-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-112421

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-BP112521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008151.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.011	3	4	10	rVB	145935	138575	3.31%	0.349%
2	4.934	324	331	340	rBV	28753	45902	1.10%	0.116%
3	5.393	403	409	426	rVB	293973	463796	11.07%	1.169%
4	6.987	672	680	689	rBV	279534	473785	11.31%	1.194%
5	7.805	811	819	828	rBV	456406	713835	17.04%	1.800%
6	8.963	1009	1016	1026	rBV	176197	298530	7.13%	0.753%
7	10.040	1188	1199	1205	rBV4	32898	82986	1.98%	0.209%
8	10.110	1205	1211	1214	rBV2	23871	43133	1.03%	0.109%
9	10.399	1252	1260	1269	rBV3	18350	44412	1.06%	0.112%
10	10.605	1284	1295	1301	rBV	553870	978058	23.35%	2.466%
11	13.069	1706	1714	1725	rBV	463467	685258	16.36%	1.728%
12	14.175	1896	1902	1908	rBV	27892	48949	1.17%	0.123%
13	14.451	1941	1949	1955	rBV	847617	1269139	30.29%	3.199%
14	14.510	1955	1959	1969	rVB	133589	205960	4.92%	0.519%
15	14.851	2012	2017	2025	rVB	51882	82633	1.97%	0.208%
16	15.504	2123	2128	2136	rBV	131054	183083	4.37%	0.462%
17	15.798	2174	2178	2187	rVB	29012	50500	1.21%	0.127%
18	15.945	2197	2203	2211	rBV	380994	562228	13.42%	1.417%
19	16.181	2239	2243	2253	rVB2	39840	73527	1.76%	0.185%
20	16.863	2355	2359	2366	rVB3	29509	47920	1.14%	0.121%
21	17.028	2383	2387	2396	rVB	82451	123544	2.95%	0.311%
22	17.210	2412	2418	2422	rBV	1044595	1552430	37.06%	3.914%
23	17.251	2422	2425	2431	rVV	1374949	1887582	45.05%	4.759%
24	17.345	2432	2441	2447	rVB	346886	525759	12.55%	1.325%
25	17.404	2447	2451	2457	rBV3	29528	51998	1.24%	0.131%
26	17.616	2482	2487	2493	rBV	102206	151032	3.61%	0.381%
27	17.728	2502	2506	2512	rVB3	44598	67687	1.62%	0.171%
28	17.792	2514	2517	2526	rVB5	26493	46484	1.11%	0.117%
29	18.081	2562	2566	2570	rBV	160199	222009	5.30%	0.560%
30	18.128	2570	2574	2579	rVB	246531	335184	8.00%	0.845%
31	18.210	2584	2588	2592	rVV	84064	120102	2.87%	0.303%
32	18.269	2593	2598	2602	rVV3	331830	546330	13.04%	1.377%
33	18.304	2602	2604	2609	rVB	120060	137424	3.28%	0.346%
34	18.569	2645	2649	2652	rBV	143607	185181	4.42%	0.467%
35	18.610	2652	2656	2663	rVB2	71720	107731	2.57%	0.272%
36	18.975	2713	2718	2721	rBV	109807	175551	4.19%	0.443%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112921\
Data File : BP008151.D
Acq On : 29 Nov 2021 20:28
Operator : CG/JU
Sample : M4842-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-112421

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-BP112521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.110	2737	2741	2748	rBV2	122669	206674	4.93%	0.521%
38	19.228	2756	2761	2767	rBV	3127997	4189514	100.00%	10.562%
39	19.328	2775	2778	2782	rVB	53878	61062	1.46%	0.154%
40	19.463	2798	2801	2805	rVB	87549	112071	2.68%	0.283%
41	19.581	2817	2821	2829	rVB	2504712	3634803	86.76%	9.163%
42	19.651	2830	2833	2839	rVB3	133041	201483	4.81%	0.508%
43	19.781	2847	2855	2858	rBV2	837935	1209402	28.87%	3.049%
44	19.816	2859	2861	2866	rVB	115136	141387	3.37%	0.356%
45	19.892	2870	2874	2881	rBV3	160383	408632	9.75%	1.030%
46	20.069	2900	2904	2909	rVB	395629	575828	13.74%	1.452%
47	20.163	2917	2920	2924	rBV	296650	332556	7.94%	0.838%
48	20.222	2925	2930	2933	rVV2	226149	369417	8.82%	0.931%
49	20.257	2933	2936	2940	rVB	164201	196803	4.70%	0.496%
50	20.804	3025	3029	3036	rBV	228284	305810	7.30%	0.771%
51	20.963	3053	3056	3059	rVB	177232	201053	4.80%	0.507%
52	20.998	3059	3062	3065	rVV	228350	236670	5.65%	0.597%
53	21.039	3065	3069	3074	rVV2	250554	472668	11.28%	1.192%
54	21.092	3075	3078	3086	rVB	282929	397719	9.49%	1.003%
55	21.304	3108	3114	3119	rBV3	2042643	4140016	98.82%	10.437%
56	21.351	3119	3122	3131	rVB	1473357	1907996	45.54%	4.810%
57	21.469	3139	3142	3149	rBV	302812	367057	8.76%	0.925%
58	22.980	3394	3399	3404	rBV	1133760	2488115	59.39%	6.272%
59	23.498	3483	3487	3498	rVB	616606	1252715	29.90%	3.158%
60	23.604	3499	3505	3514	rVB	1047979	2071911	49.45%	5.223%
61	23.710	3517	3523	3528	rBV2	751679	1457630	34.79%	3.675%

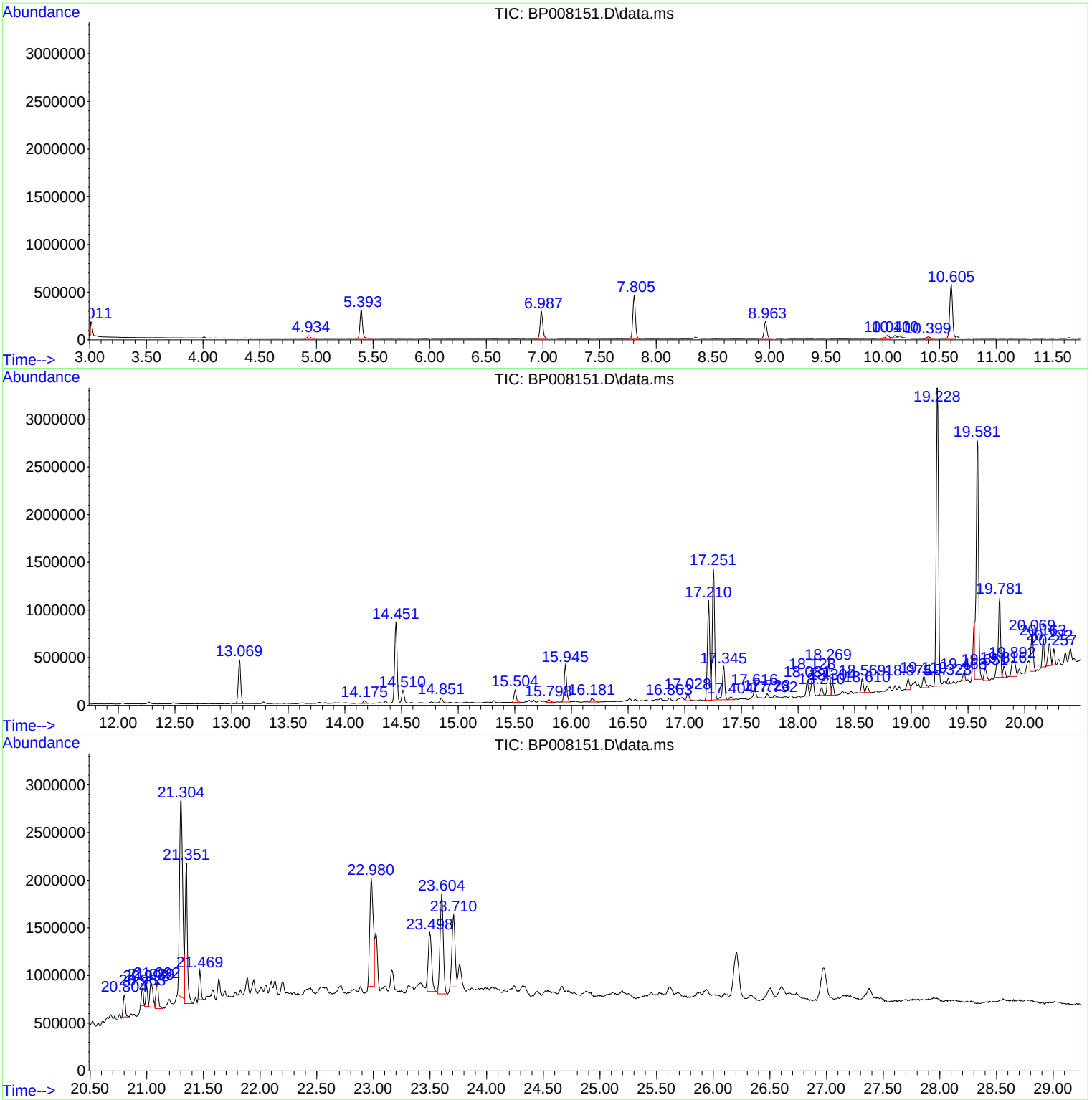
Sum of corrected areas: 39667229

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112921\
Data File : BP008151.D
Acq On : 29 Nov 2021 20:28
Operator : CG/JU
Sample : M4842-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-112421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112921\
Data File : BP008151.D
Acq On : 29 Nov 2021 20:28
Operator : CG/JU
Sample : M4842-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-112421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

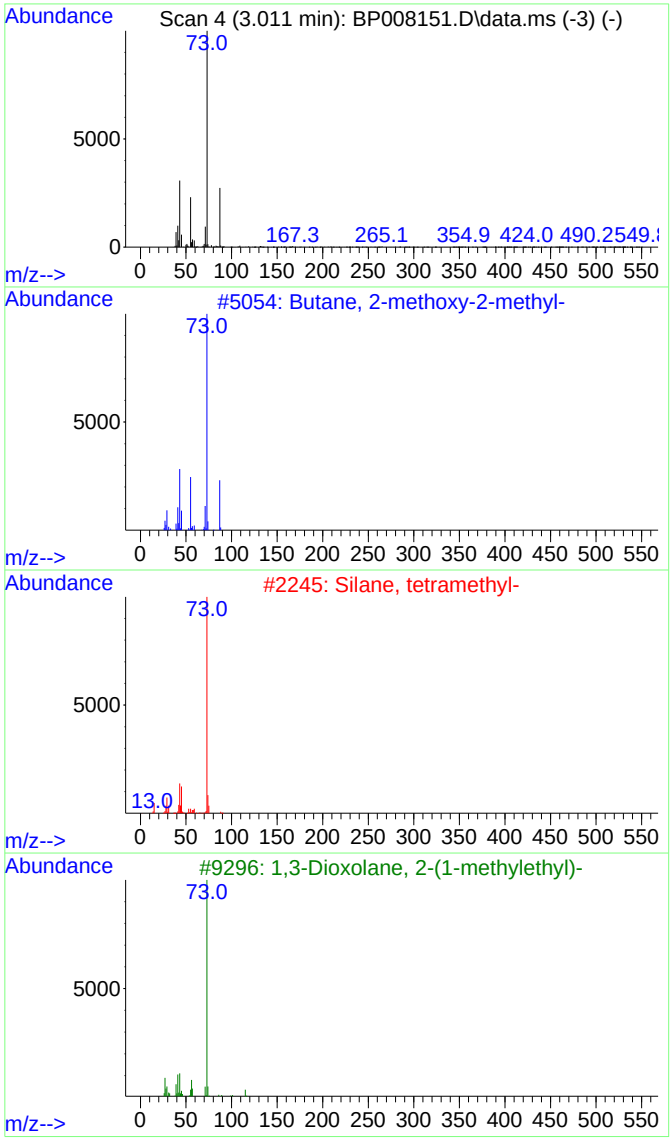
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

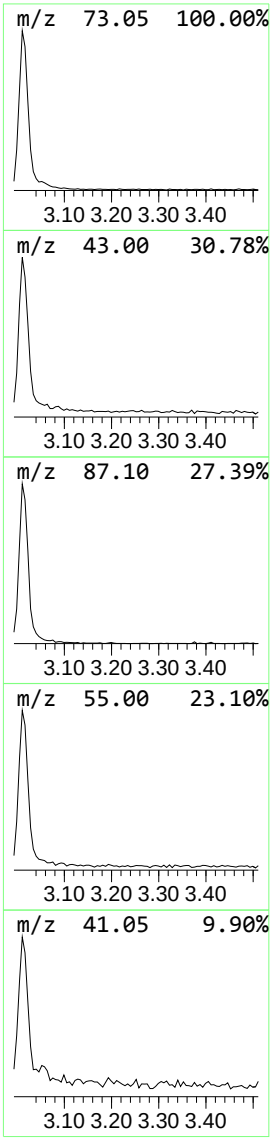
****

Peak Number 1 unknown3.011 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.011	3.88 ng	138575	1,4-Dichlorobenzene-d4	7.805

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	42
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
3	1,3-Dioxolane, 2-(1-methylethyl)-	116	C6H12O2	000822-83-3	9
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	7





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112921\
Data File : BP008151.D
Acq On : 29 Nov 2021 20:28
Operator : CG/JU
Sample : M4842-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-112421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

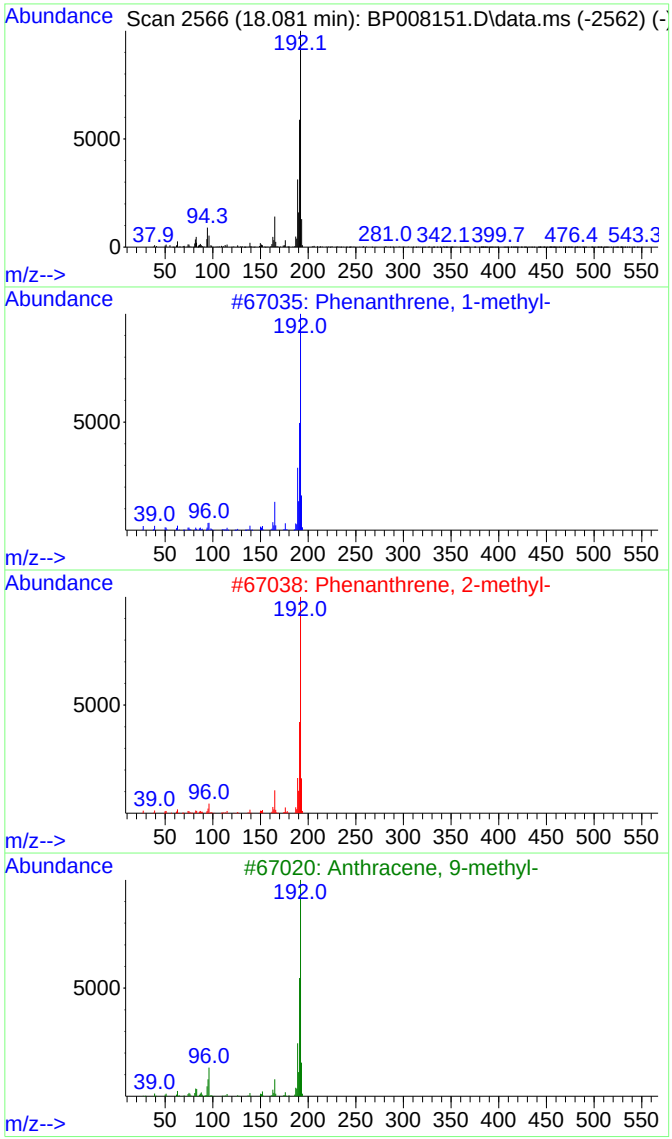
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

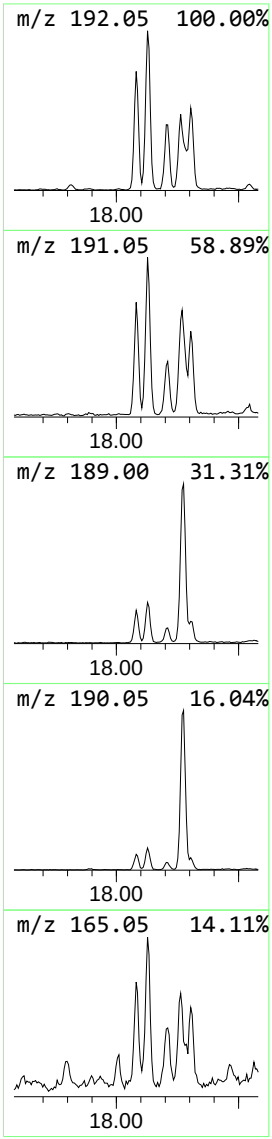
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.081	2.86 ng	222009	Phenanthrene-d10	17.210

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112921\
Data File : BP008151.D
Acq On : 29 Nov 2021 20:28
Operator : CG/JU
Sample : M4842-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-112421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

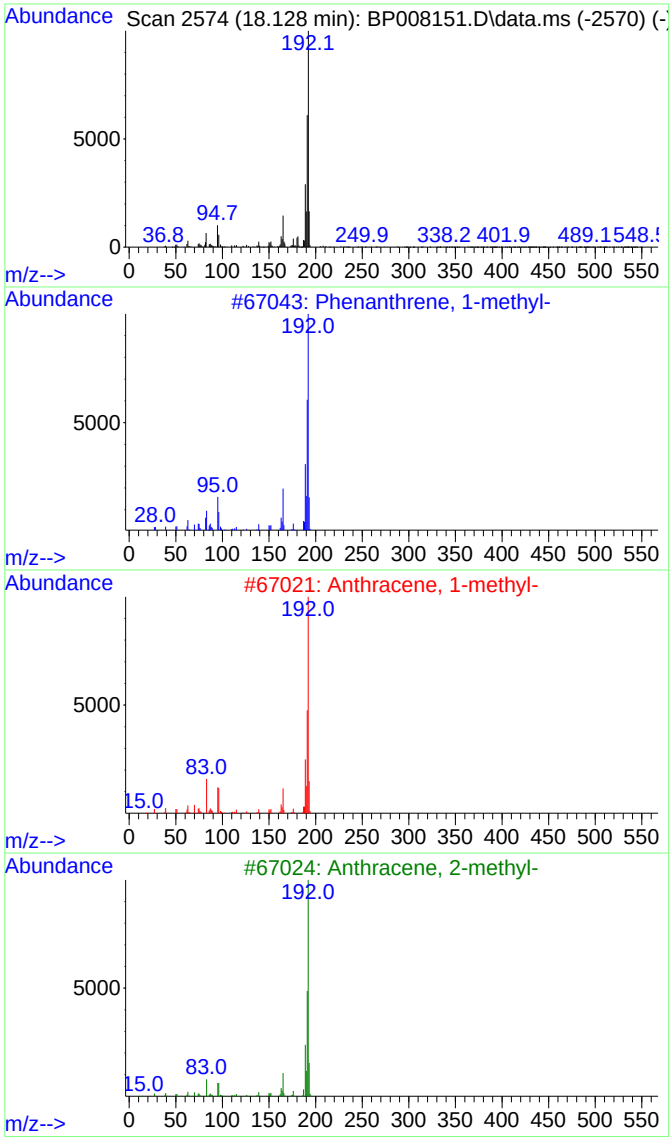
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

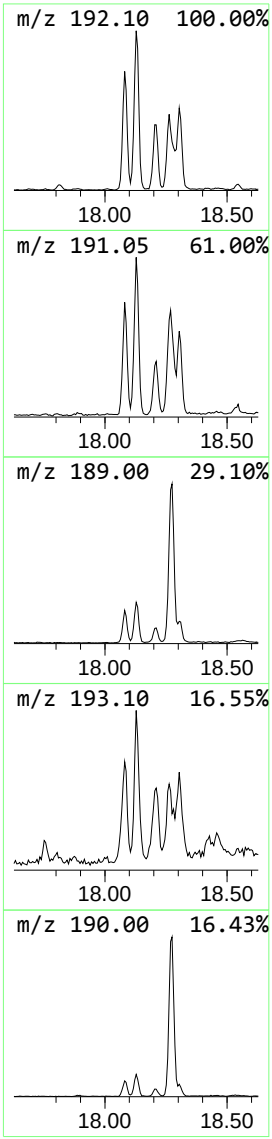
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.128	4.32 ng	335184	Phenanthrene-d10	17.210

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Anthracene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112921\
Data File : BP008151.D
Acq On : 29 Nov 2021 20:28
Operator : CG/JU
Sample : M4842-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-112421

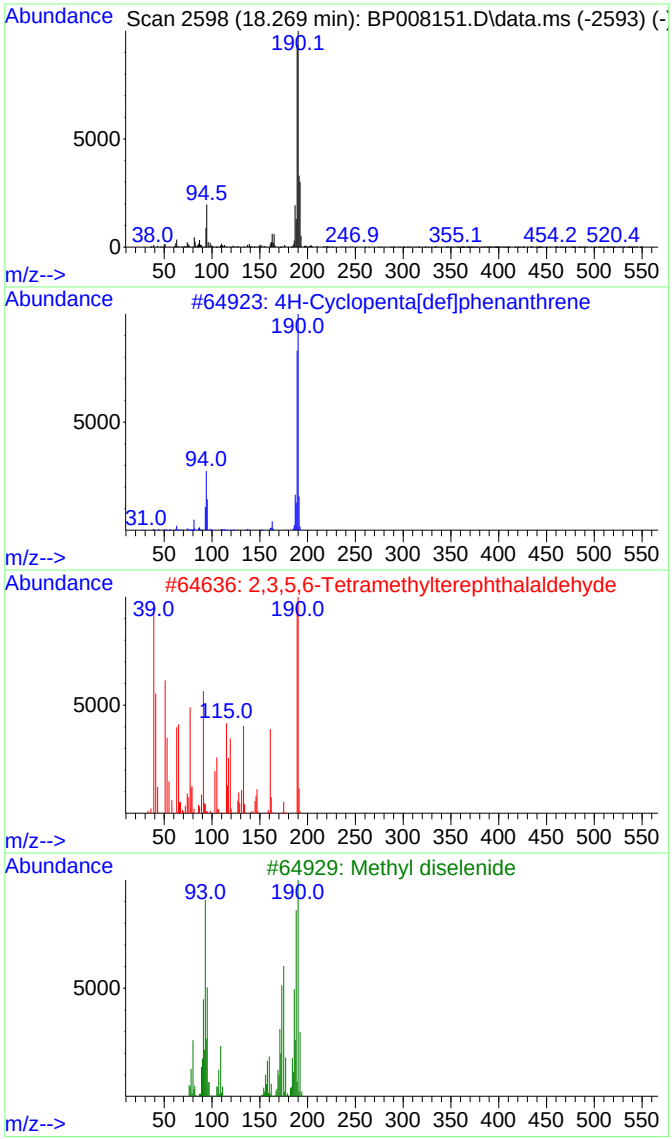
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

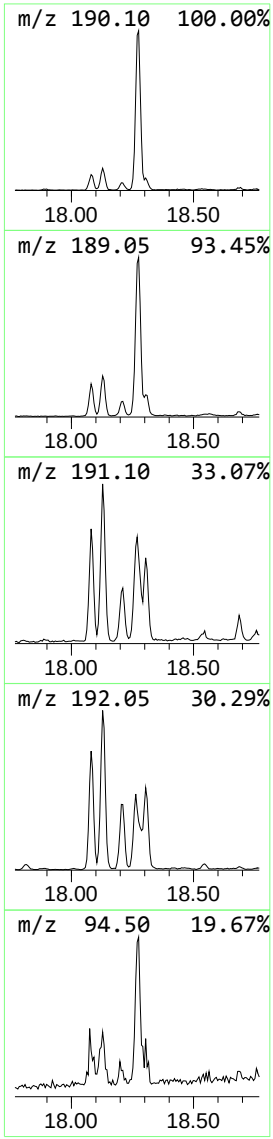
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.269	7.04 ng	546330	Phenanthrene-d10	17.210

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112921\
Data File : BP008151.D
Acq On : 29 Nov 2021 20:28
Operator : CG/JU
Sample : M4842-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-112421

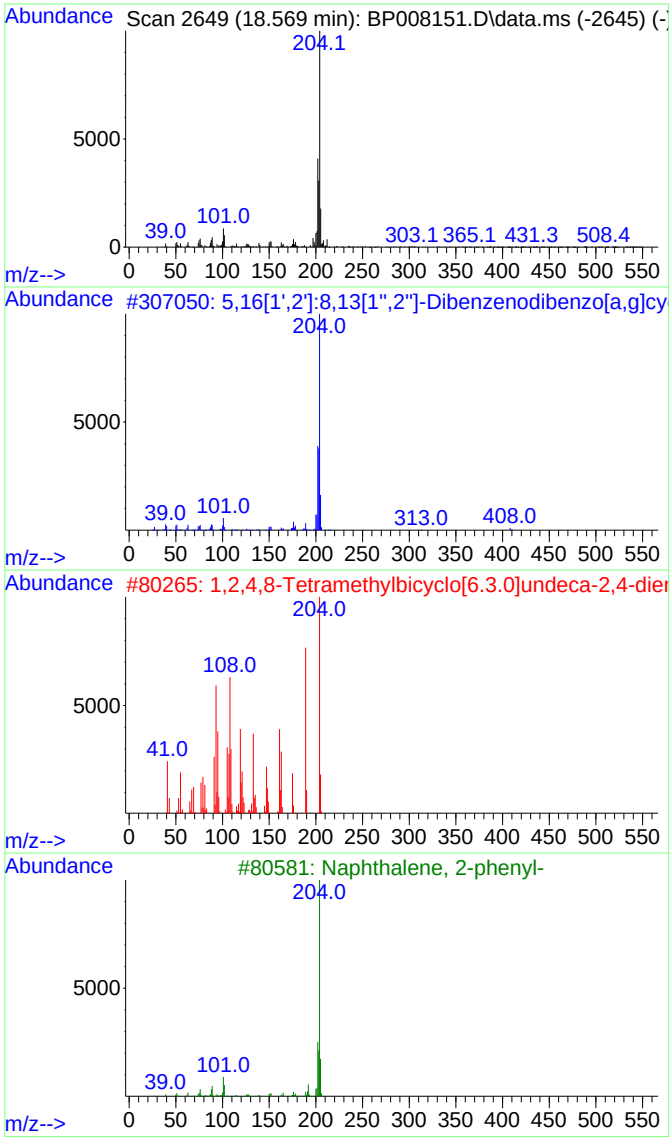
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

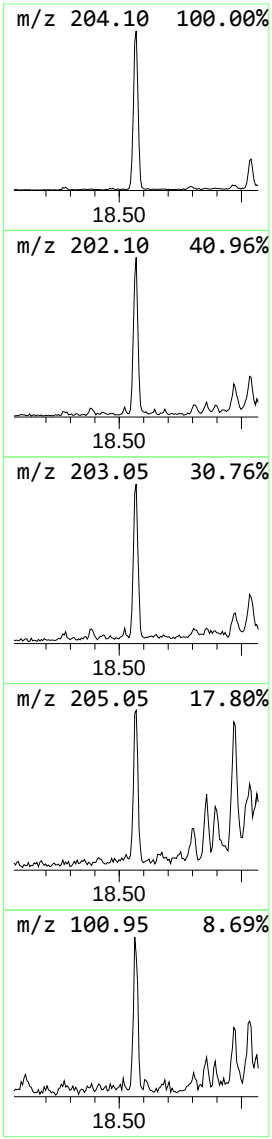
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.569	2.39 ng	185181	Phenanthrene-d10	17.210

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112921\
Data File : BP008151.D
Acq On : 29 Nov 2021 20:28
Operator : CG/JU
Sample : M4842-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-112421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

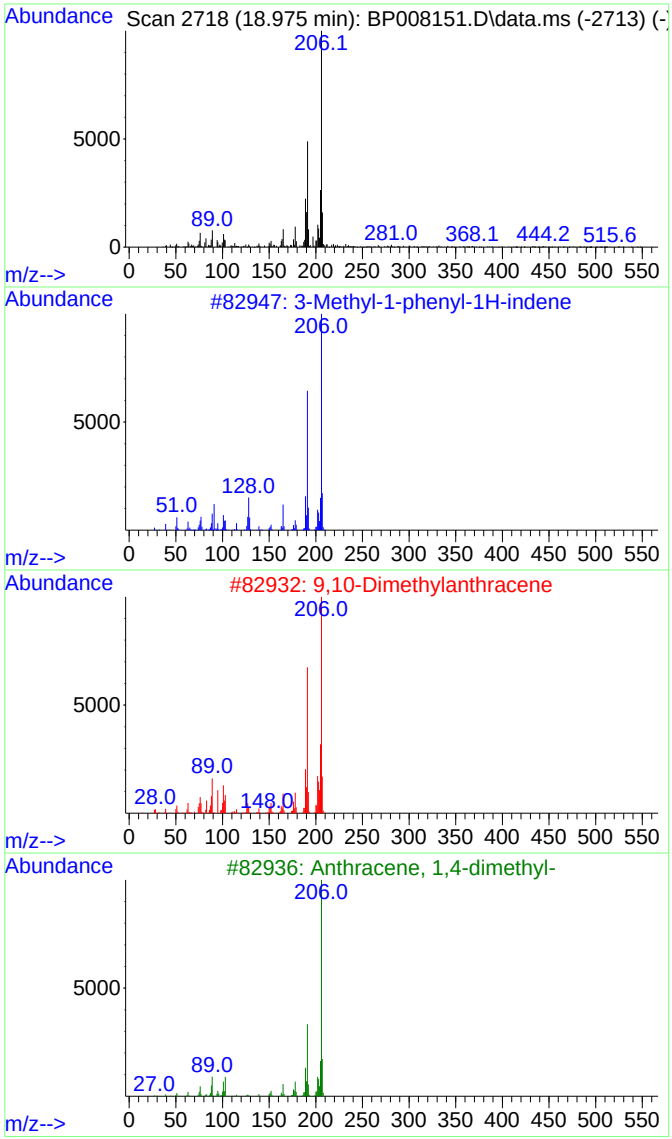
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

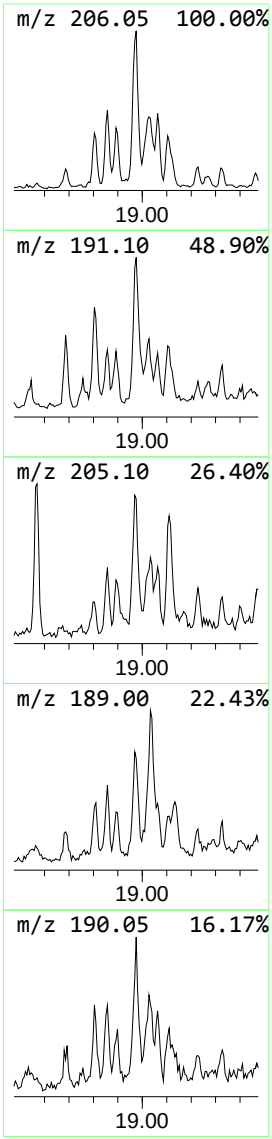
****

Peak Number 6 3-Methyl-1-phenyl-1H-indene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.975	2.26 ng	175551	Phenanthrene-d10	17.210

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112921\
Data File : BP008151.D
Acq On : 29 Nov 2021 20:28
Operator : CG/JU
Sample : M4842-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-112421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

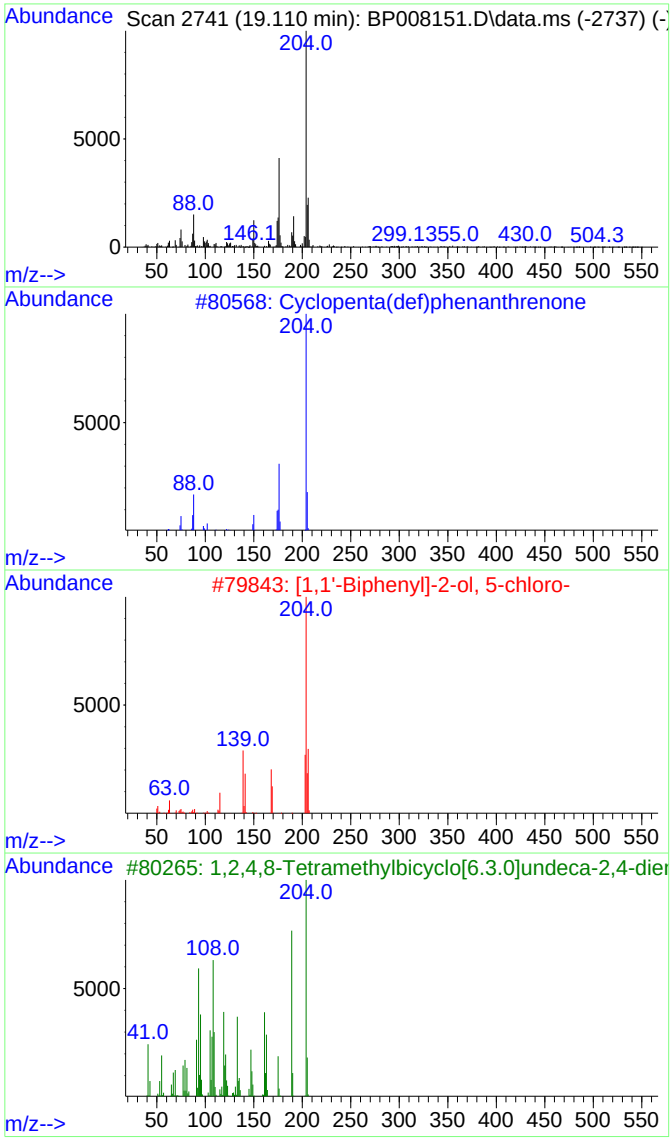
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

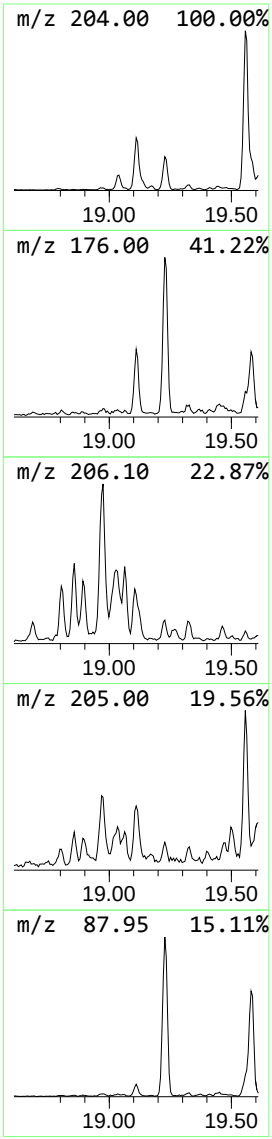
****

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.110	2.66 ng	206674	Phenanthrene-d10	17.210

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	40





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Data File : BP008151.D
Acq On : 29 Nov 2021 20:28
Operator : CG/JU
Sample : M4842-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-112421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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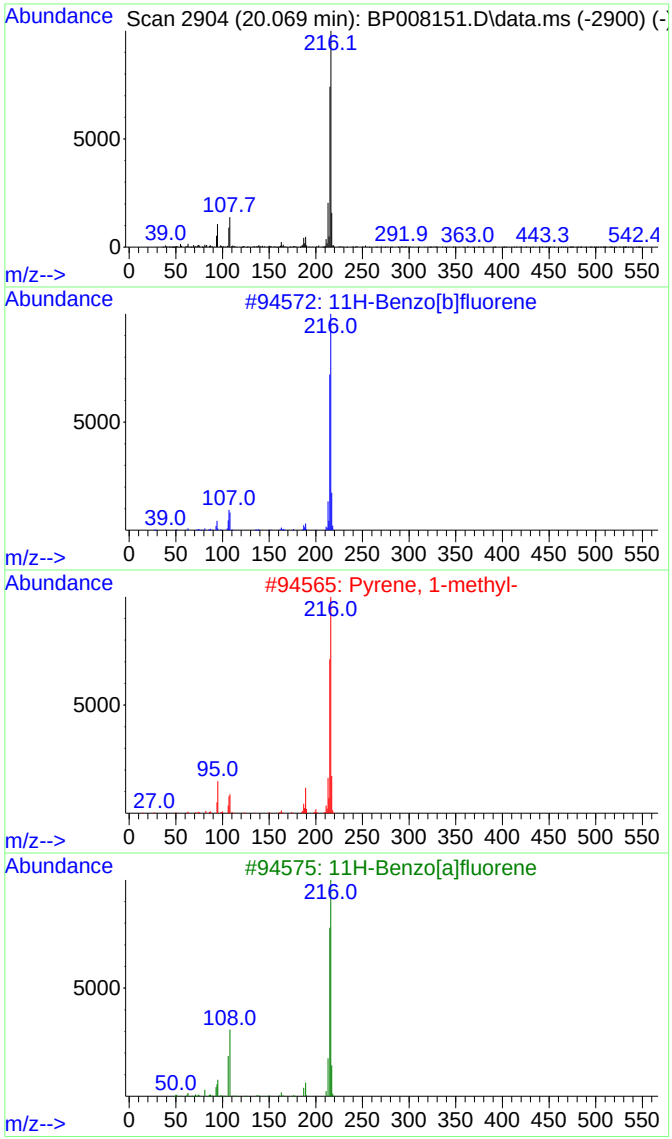
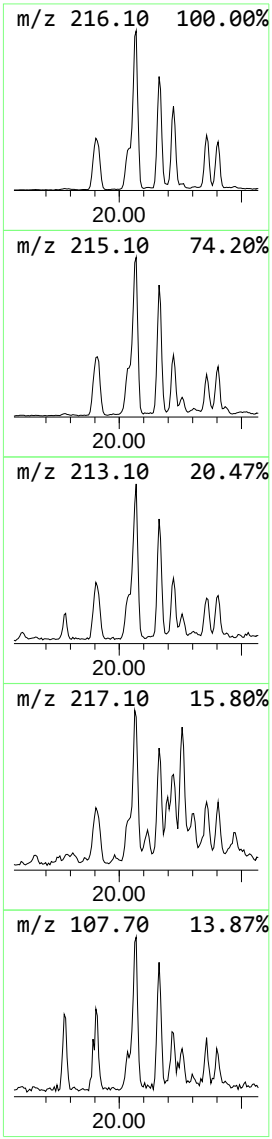
Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.069	2.78 ng	575828	Chrysene-d12	21.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112921\
Data File : BP008151.D
Acq On : 29 Nov 2021 20:28
Operator : CG/JU
Sample : M4842-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-112421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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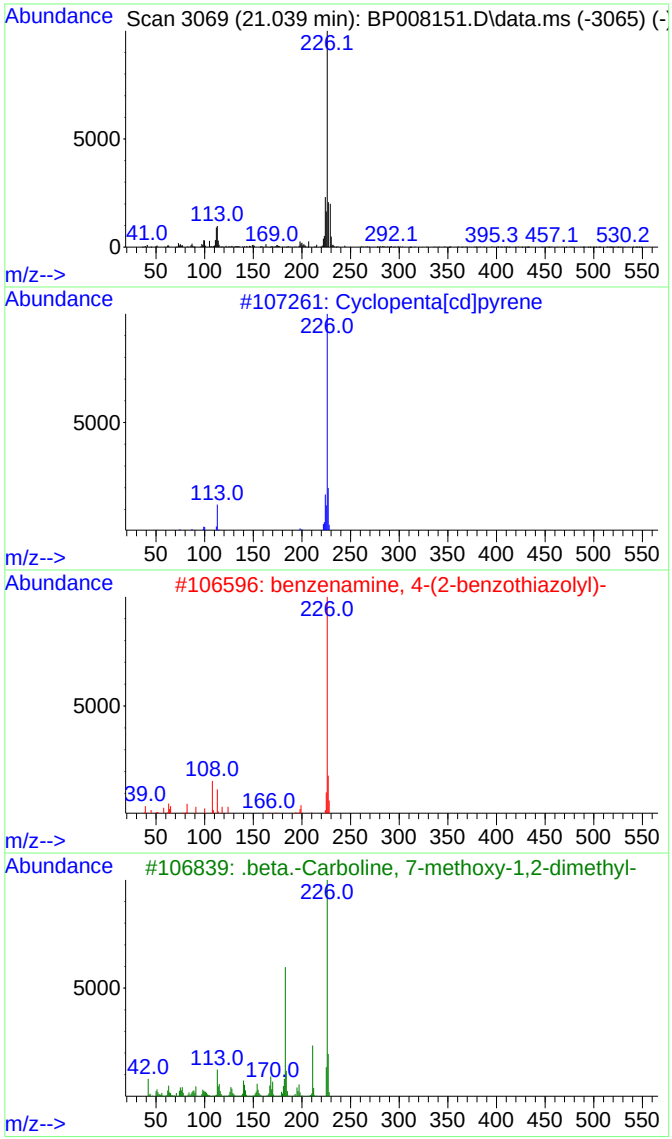
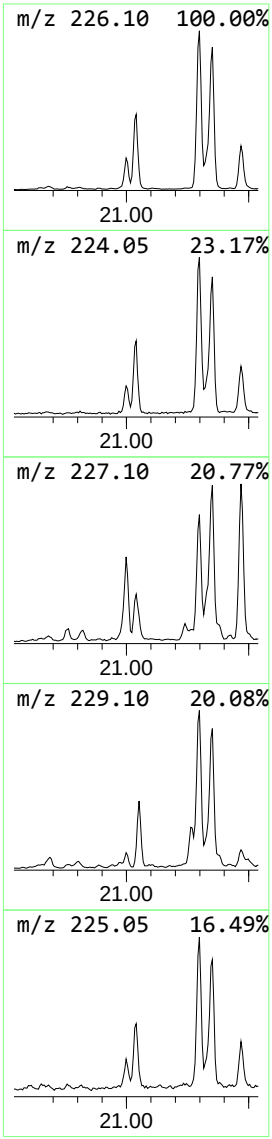
Peak Number 9 Cyclopenta[cd]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.039	2.28 ng	472668	Chrysene-d12	21.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	52
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50
5	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112921\
Data File : BP008151.D
Acq On : 29 Nov 2021 20:28
Operator : CG/JU
Sample : M4842-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-112421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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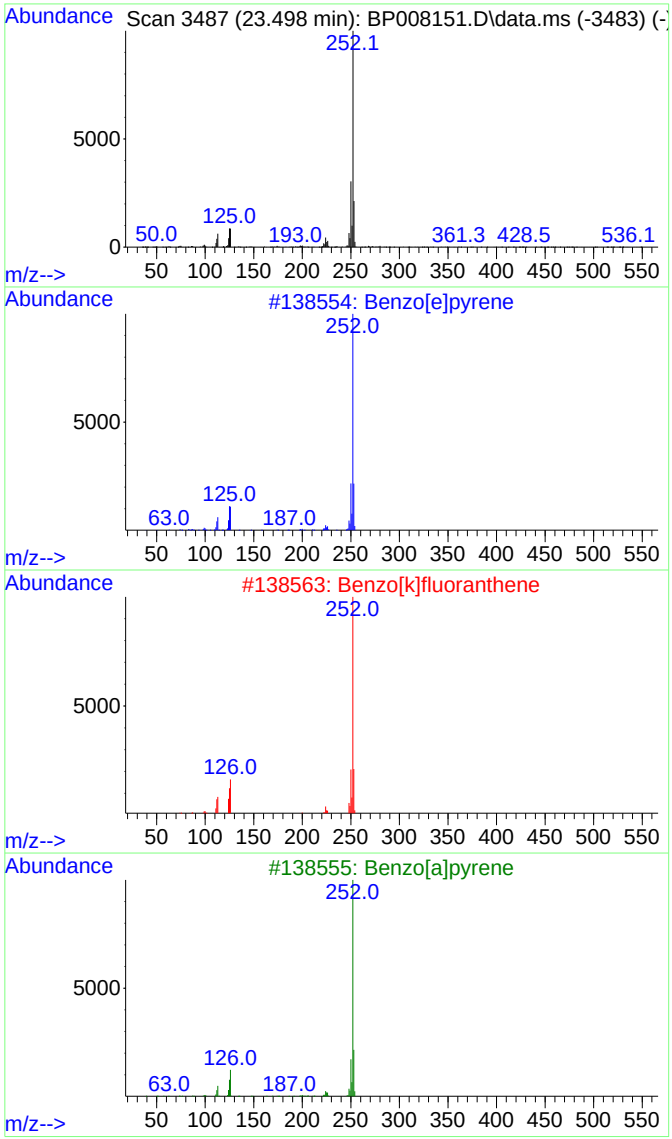
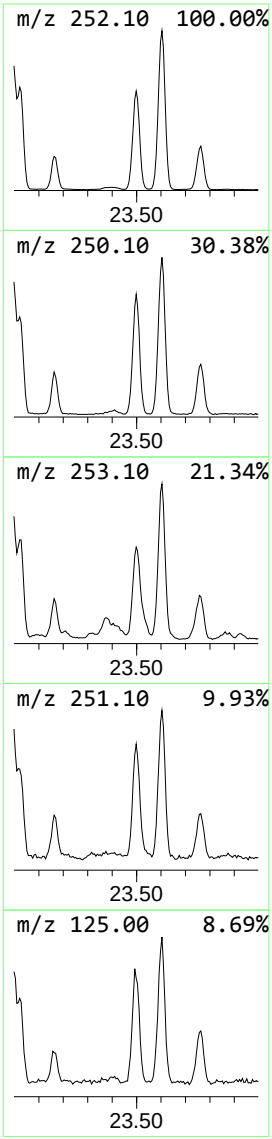
Peak Number 10 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.498	17.19 ng	1252720	Perylene-d12	23.710

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112921\
Data File : BP008151.D
Acq On : 29 Nov 2021 20:28
Operator : CG/JU
Sample : M4842-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-112421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown3.011	3.011	3.9	ng	138575	1	7.805	713835	20.0
Phenanthrene, 1...	18.081	2.9	ng	222009	4	17.210	1552430	20.0
Anthracene, 1-m...	18.128	4.3	ng	335184	4	17.210	1552430	20.0
4H-Cyclopenta[d...	18.269	7.0	ng	546330	4	17.210	1552430	20.0
5,16[1',2']:8,1...	18.569	2.4	ng	185181	4	17.210	1552430	20.0
3-Methyl-1-phen...	18.975	2.3	ng	175551	4	17.210	1552430	20.0
Cyclopenta(def)...	19.110	2.7	ng	206674	4	17.210	1552430	20.0
11H-Benzo[b]flu...	20.069	2.8	ng	575828	5	21.310	4140020	20.0
Cyclopenta[cd]p...	21.039	2.3	ng	472668	5	21.310	4140020	20.0
Benzo[e]pyrene	23.498	17.2	ng	1252720	6	23.710	1457630	20.0