LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(9-11)

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: BP003423.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.158	380	386	401	rBV	530509	882651	8.31%	1.033%
2	6.746	646	656	670	rBV	515342	935826	8.82%	1.095%
3	7.540	783	791	808	rBV	539976	851232	8.02%	0.996%
4	8.693	980	987	999	rBV	337883	608899	5.74%	0.712%
5	10.316	1254	1263	1268	rBV	727766	1222517	11.52%	1.430%
6	10.363	1268	1271	1280	rVB	286186	453018	4.27%	0.530%
7	11.992	1541	1548	1556	rBV	150241	244360	2.30%	0.286%
8	12.210	1580	1585	1599	rVB	137207	230782	2.17%	0.270%
9	12.804	1680	1686	1699	rBV	1036850	1559088	14.69%	1.824%
10	13.022	1717	1723	1730	rBV2	62638	119785	1.13%	0.140%
11	13.516	1800	1807	1812	rBV	133158	232593	2.19%	0.272%
12	13.569	1812	1816	1822	rVB	88543	122803	1.16%	0.144%
13	13.657	1826	1831	1836	rBV	119670	174141	1.64%	0.204%
14	13.910	1868	1874	1888	rVB	411629	652792	6.15%	0.764%
15	14.192	1914	1922	1928	rBV	1107459	1645979	15.51%	1.926%
16	14.257	1928	1933	1942	rVB	725142	1044292	9.84%	1.222%
17	14.598	1985	1991	2000	rVV	441415	682852	6.43%	0.799%
18	14.822	2023	2029	2034	rBV3	62257	120586	1.14%	0.141%
19	14.992	2051	2058	2062	rBV	54858	114903	1.08%	0.134%
20	15.251	2096	2102	2108	rBV	841761	1172775	11.05%	1.372%
21	15.375	2120	2123	2126	rVV	92073	126170	1.19%	0.148%
22	15.410	2126	2129	2134	rVB	96111	138857	1.31%	0.162%
23	15.551	2148	2153	2164	rVB	217441	341561	3.22%	0.400%
24	15.698	2168	2178	2186	rBV	835471	1365293	12.86%	1.597%
25	15.786	2186	2193	2198	rVB3	61983	133816	1.26%	0.157%
26	15.933	2212	2218	2231	rVB4	116419	244800	2.31%	0.286%
27	16.263	2262	2274	2279	rBV3	169749	415930	3.92%	0.487%
28	16.310	2279	2282	2288	rVB2	91753	128711	1.21%	0.151%
29	16.410	2296	2299	2304	rVB2	74370	111360	1.05%	0.130%
30	16.498	2310	2314	2317	rVV2	100442	152413	1.44%	0.178%
31	16.533	2317	2320	2324	rVB	109881	140455	1.32%	0.164%
32	16.616	2329	2334	2341	rVV	419420	629287	5.93%	0.736%
33	16.692	2342	2347	2353	rVV3	155652	335886	3.16%	0.393%
34	16.769	2353	2360	2371	rVB	400813	702817	6.62%	0.822%
35	16.957	2386	2392	2395	rBV	1197463	1783291	16.80%	2.086%
36	17.004	2395	2400	2405	rVV	5595240	8530885	80.36%	9.981%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(9-11)

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	17.086	2405	2414	2420	rVB	1876019	2842938	26.78%	3.326%
38	17.151	2420	2425	2431	rBV	212874	341235	3.21%	0.399%
39	17.369	2452	2462	2467	rBV2	872665	1476433	13.91%	1.727%
40	17.480	2477	2481	2487	rBV4	161662	240210	2.26%	0.281%
41	17.551	2488	2493	2500	rVB4	118308	251072	2.37%	0.294%
42	17.680	2512	2515	2521	rVB	78259	128433	1.21%	0.150%
43	17.833	2535	2541	2545	rBV	810960	1153013	10.86%	1.349%
44	17.880	2545	2549	2555	rVB	1161407	1548439	14.59%	1.812%
45	17.963	2558	2563	2568	rVV	471630	619211	5.83%	0.724%
46	18.022	2568	2573	2577	rVV2	1293202	2144393	20.20%	2.509%
47	18.063	2577	2580	2588	rVB	537023	737858	6.95%	0.863%
48	18.139	2589	2593	2596	rBV	145229	202884	1.91%	0.237%
49	18.180	2597	2600	2604	rVB2	124746	165592	1.56%	0.194%
50	18.322	2620	2624	2629	rVB	578988	740880	6.98%	0.867%
51	18.380	2629	2634	2640	rVB	418632	630354	5.94%	0.737%
52	18.563	2662	2665	2671	rBV	166861	221368	2.09%	0.259%
53	18.616	2671	2674	2678	rBV	198247	231907	2.18%	0.271%
54	18.657	2678	2681	2687	rVB2	156645	208895	1.97%	0.244%
55	18.733	2689	2694	2699	rBV	418791	732054	6.90%	0.856%
56	18.798	2699	2705	2708	rBV3	237878	436271	4.11%	0.510%
57	18.886	2714	2720	2726	rBV2	384300	734482	6.92%	0.859%
58	19.004	2733	2740	2744	rBV	6584311	10489919	98.82%	12.273%
59	19.098	2752	2756	2760	rVB2	215632	286131	2.70%	0.335%
60	19.145	2760	2764	2768	rBV	188563	250681	2.36%	0.293%
61	19.227	2774	2778	2782	rVB2	261067	376026	3.54%	0.440%
62	19.357	2790	2800	2807	rBV2	5326672	10615197	100.00%	12.419%
63	19.422	2807	2811	2820	rVB2	361621	647263	6.10%	0.757%
64	19.551	2825	2833	2837	rVV2	1366486	2352673	22.16%	2.752%
65	19.598	2837	2841	2847	rVB	441485	713494	6.72%	0.835%
66	19.680	2848	2855	2860	rBV2	486024	1214817	11.44%	1.421%
67	19.810	2872	2877	2878	rBV2	345724	538969	5.08%	0.631%
68	19.845	2879	2883	2889	rVB2	1003772	1533004	14.44%	1.794%
69	19.939	2895	2899	2903	rBV	694608	891559	8.40%	1.043%
70	19.998	2903	2909	2913	rBV2	549377	1029048	9.69%	1.204%
71	20.133	2929	2932	2936	rBV	265050	349323	3.29%	0.409%
72	20.180	2936	2940	2944	rVB	342837	473834	4.46%	0.554%
73	20.592	3006	3010	3020	rVB	501934	970913	9.15%	1.136%
74	20.745	3032	3036	3038	rBV2	512997	816321	7.69%	0.955%
75	20.816	3044	3048	3058	rBV3	508298	1203621	11.34%	1.408%
76	21.092	3088	3095	3100	rBV2	2327508	6579945	61.99%	7.698%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

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

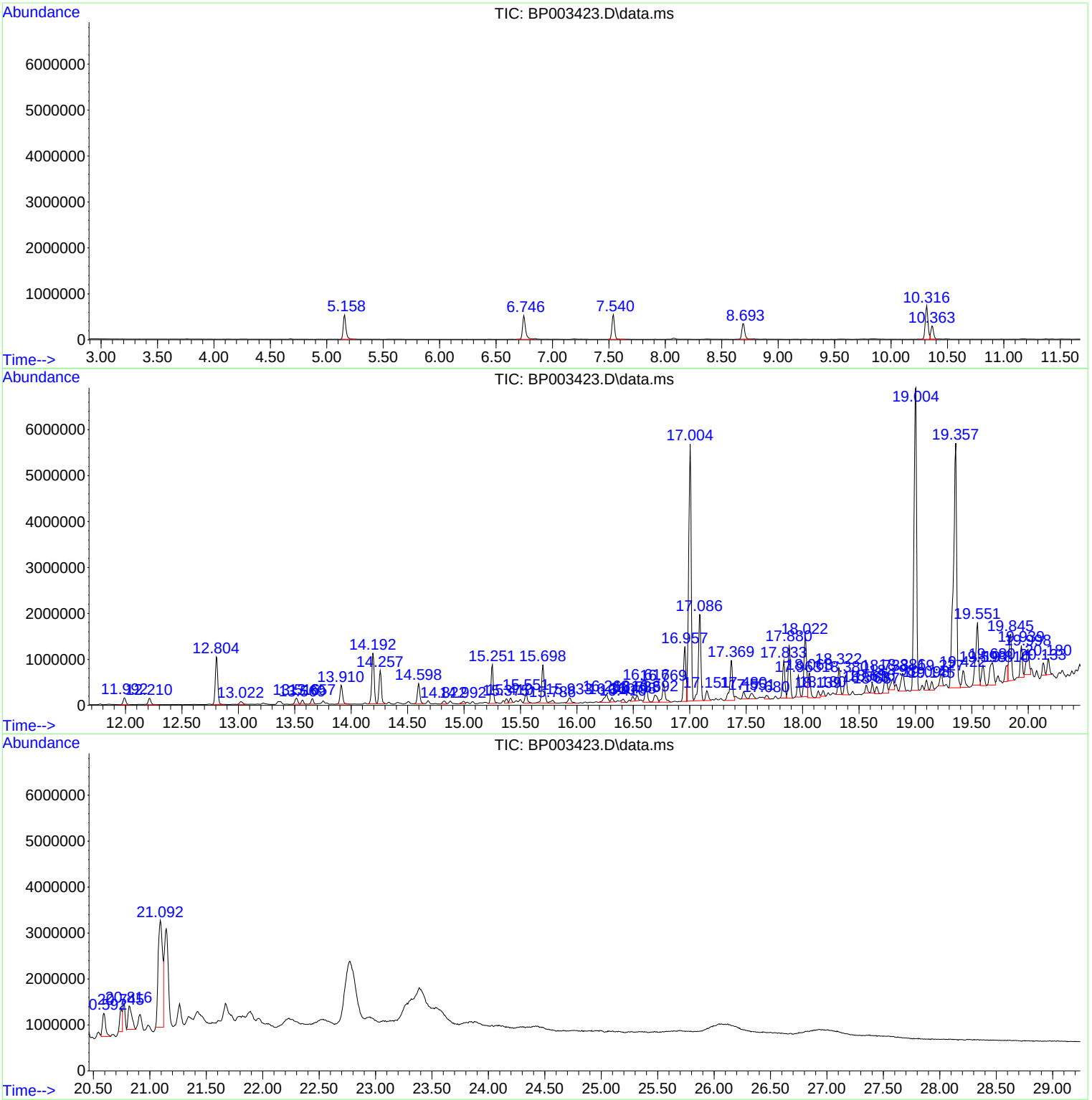
Sum of corrected areas: 85474066

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

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\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

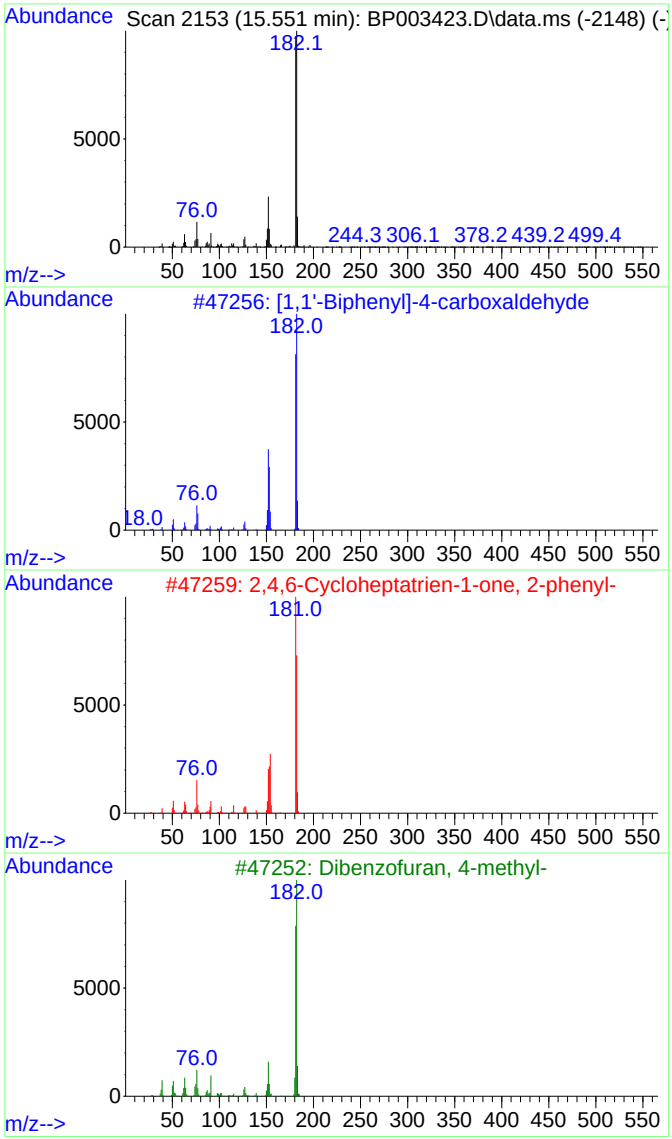
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

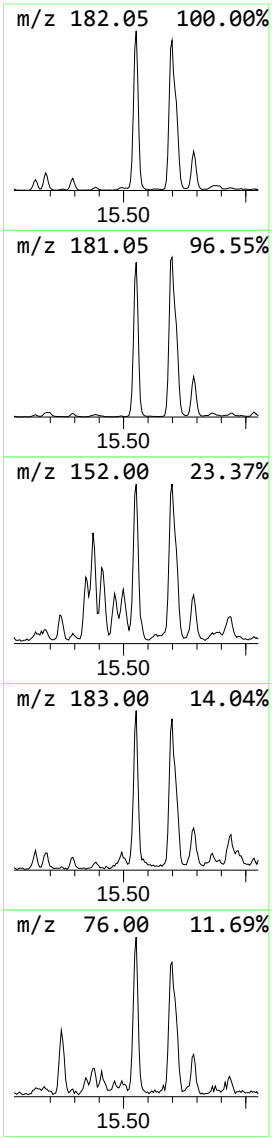
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.551	4.15 ng	341561	Acenaphthene-d10	14.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

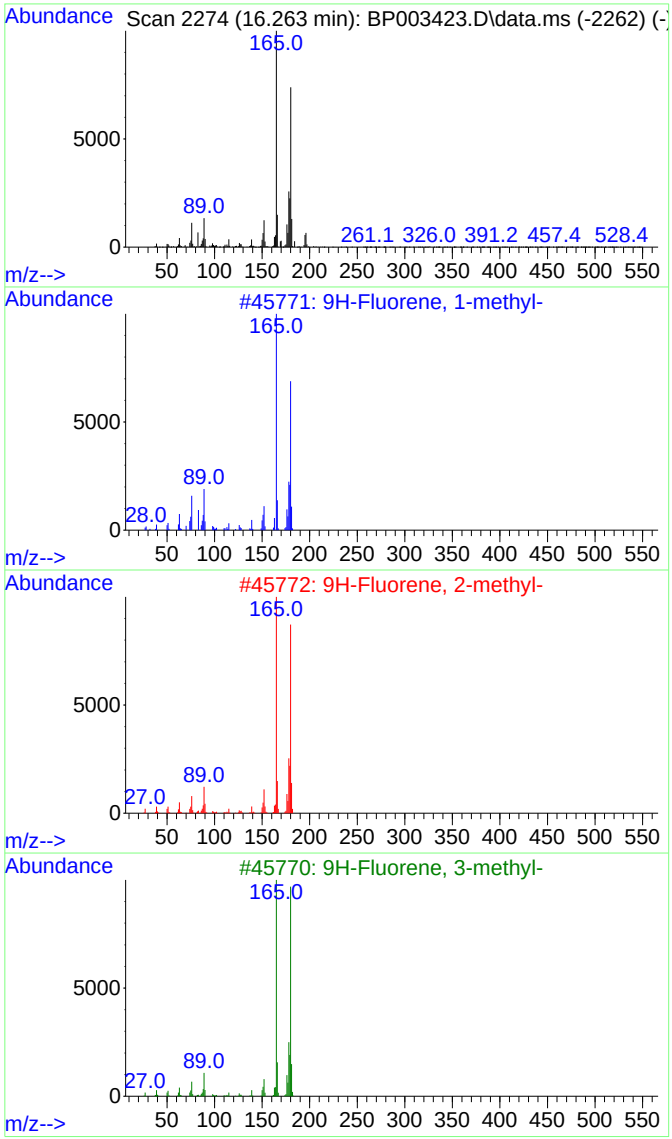
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

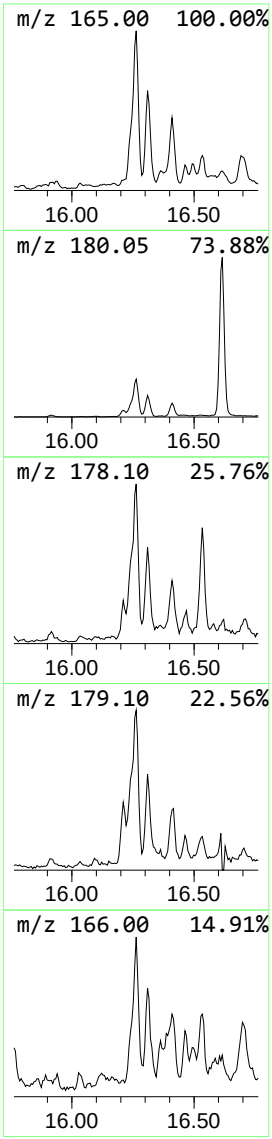
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 9H-Fluorene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.263	4.66 ng	415930	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

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

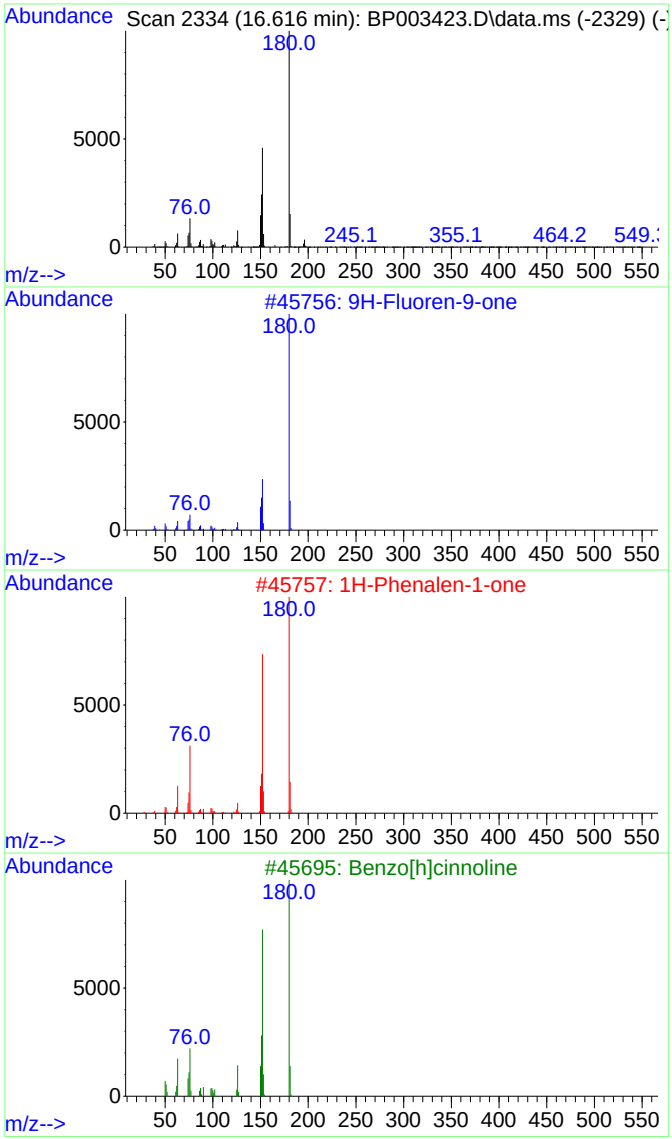
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

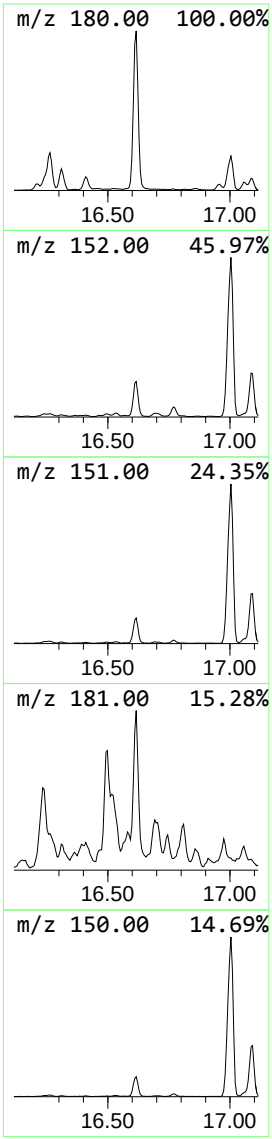
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.616	7.06 ng	629287	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50
4	5-Methoxy-4-methyl-2,1,3-benzoth...	180	C8H8N2OS	089976-68-1	47
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(9-11)

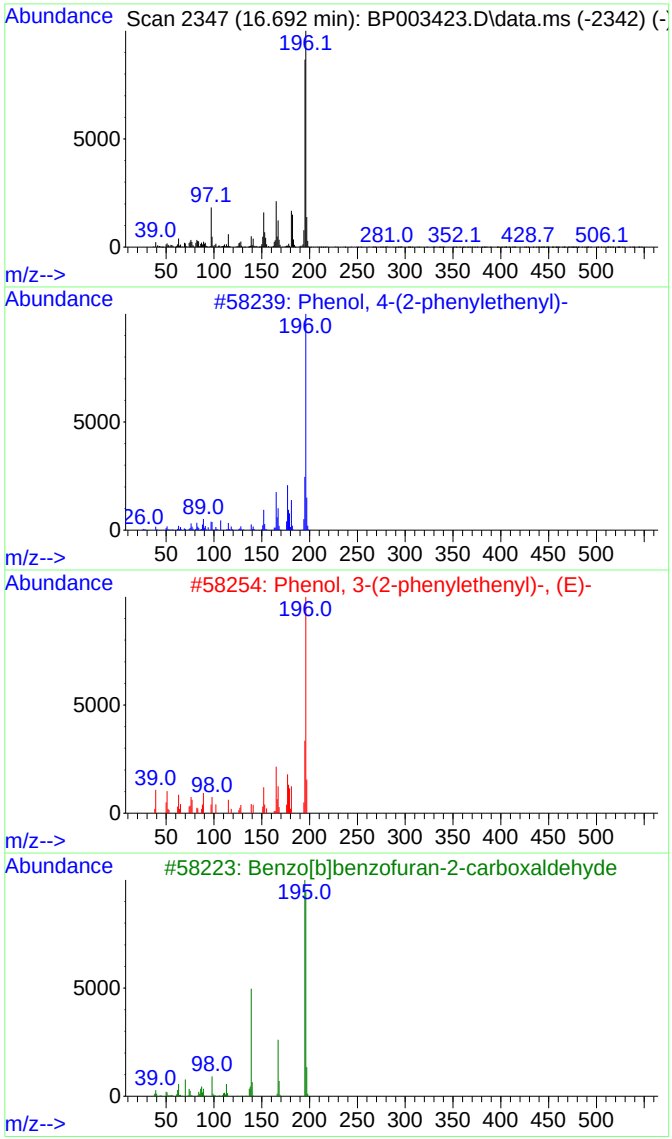
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

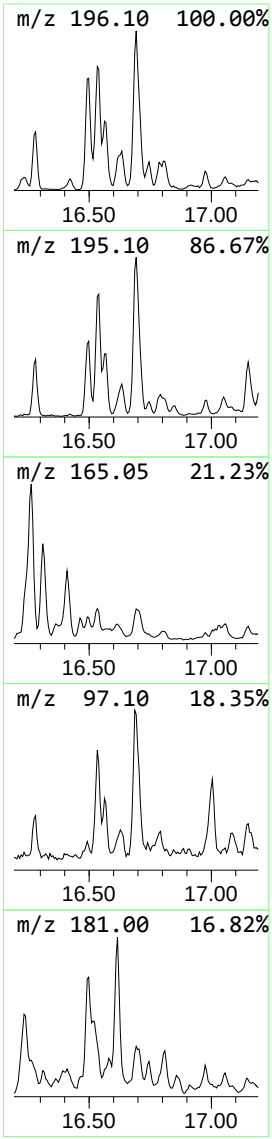
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Phenol, 4-(2-phenylethenyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.692	3.77 ng	335886	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	70
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	64
3	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	62
4	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	53
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

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

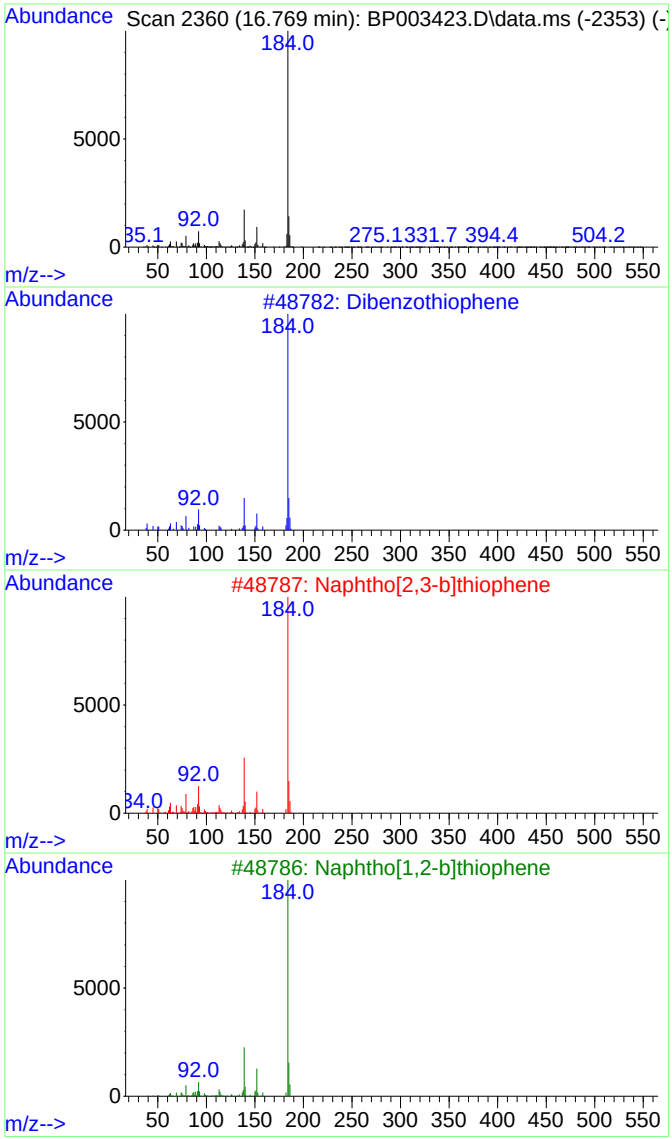
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

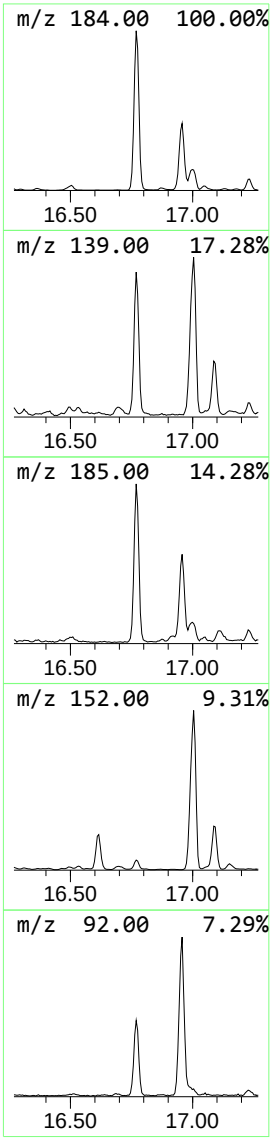
****

Peak Number 5 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.769	7.88 ng	702817	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(9-11)

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

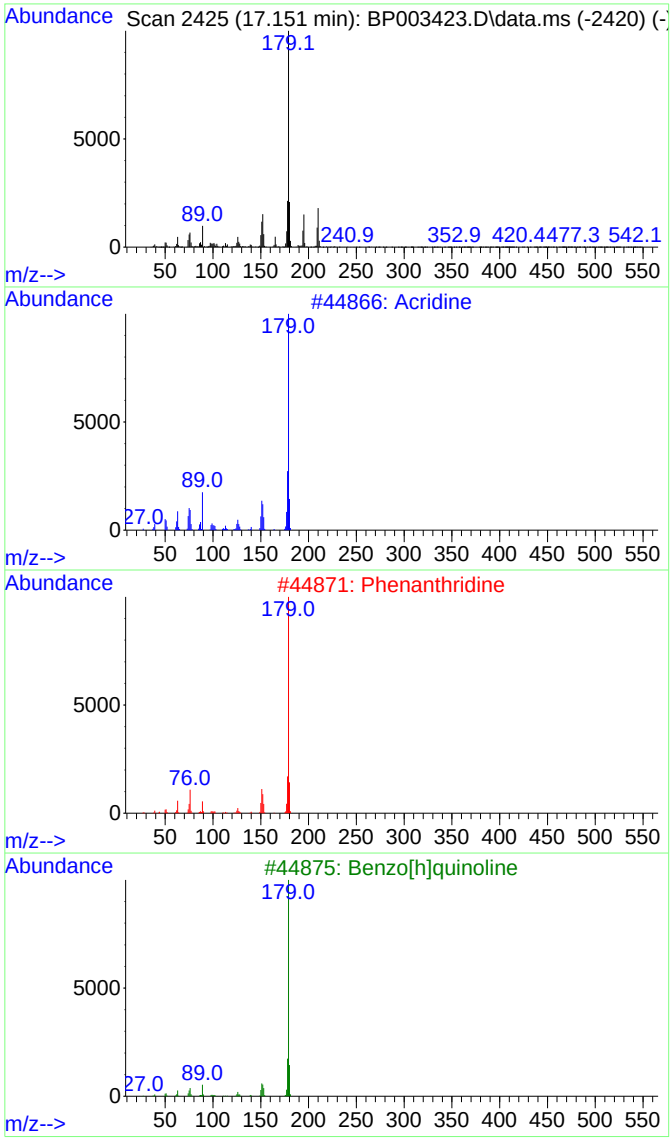
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

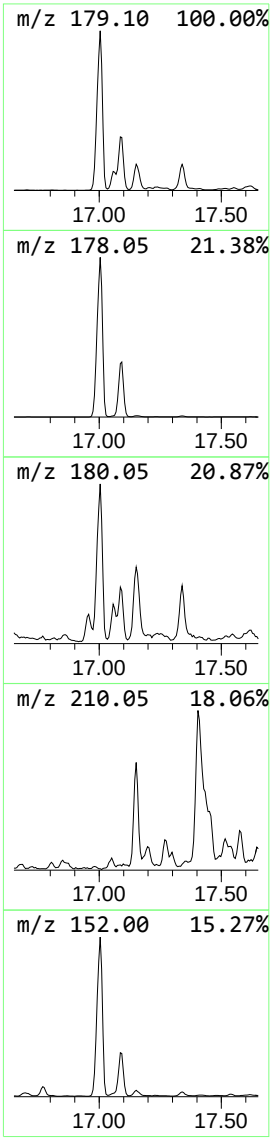
****

Peak Number 6 Acridine Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.151	3.83 ng	341235	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	93
2	Phenanthridine	179	C13H9N	000229-87-8	90
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	76
4	9H-Fluoren-9-imine	179	C13H9N	004440-33-9	76
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	70





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Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

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

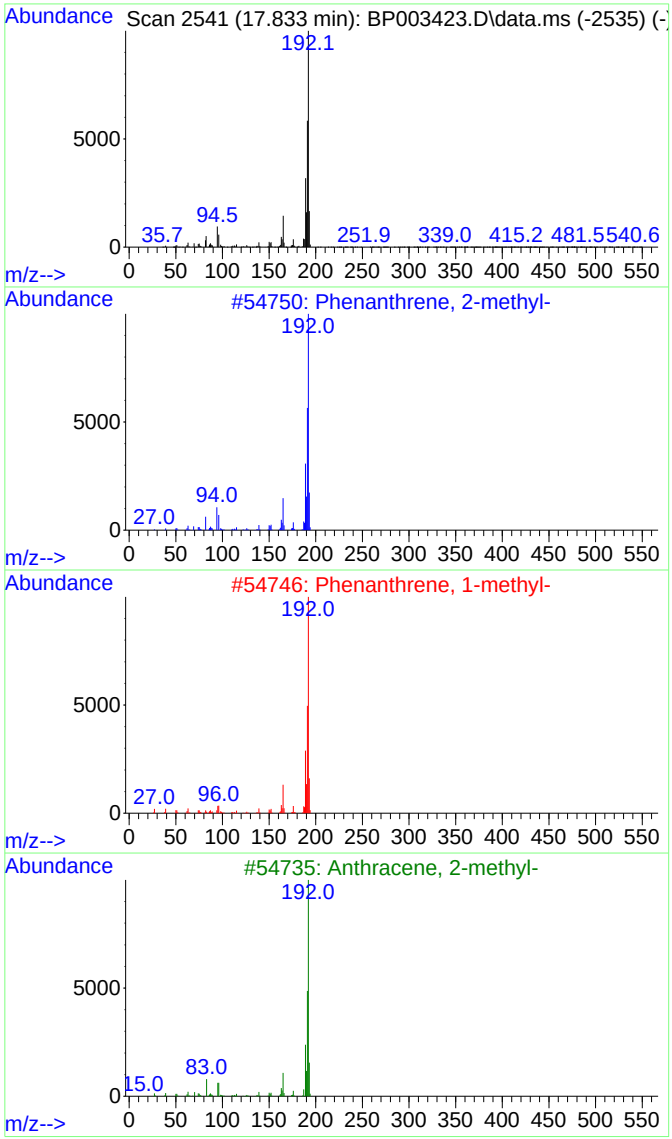
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

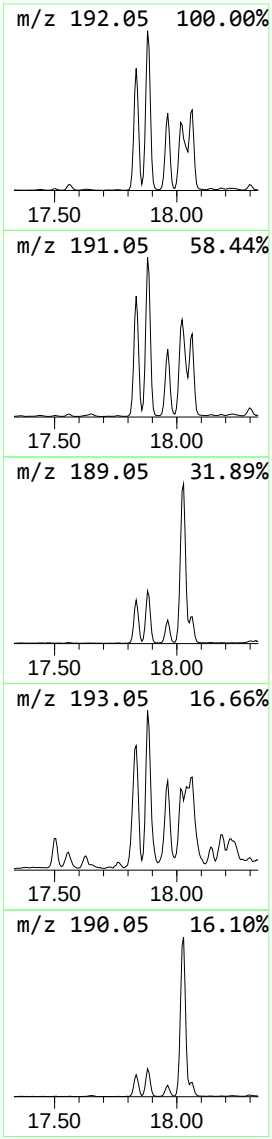
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.833	12.93 ng	1153010	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

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

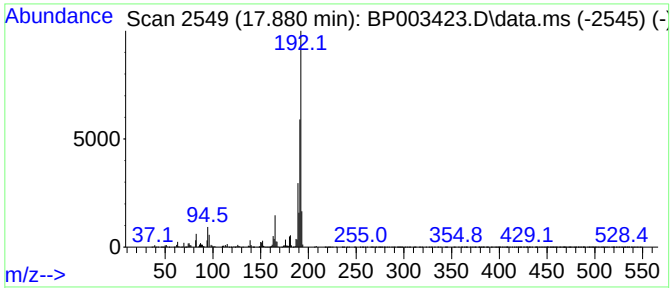
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

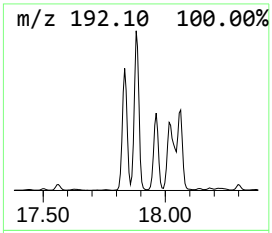
****

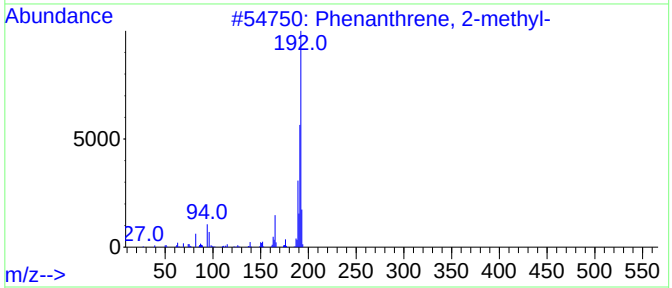
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 2

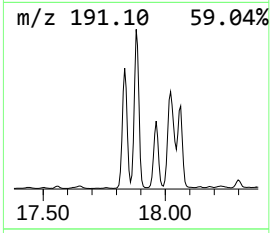
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.880	17.37 ng	1548440	Phenanthrene-d10	16.957

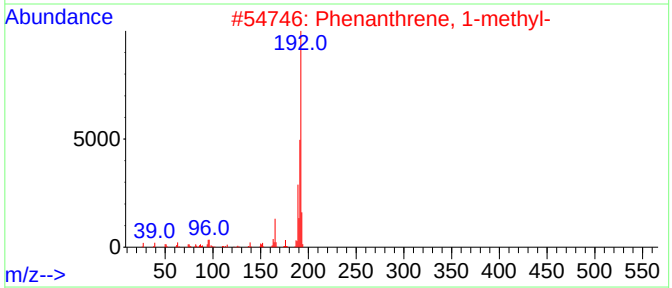
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94

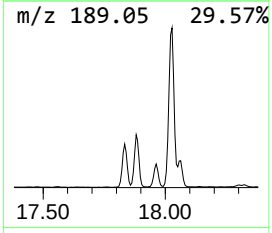


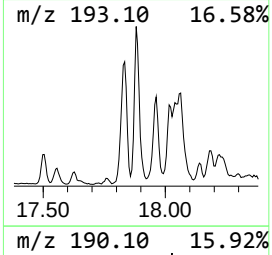


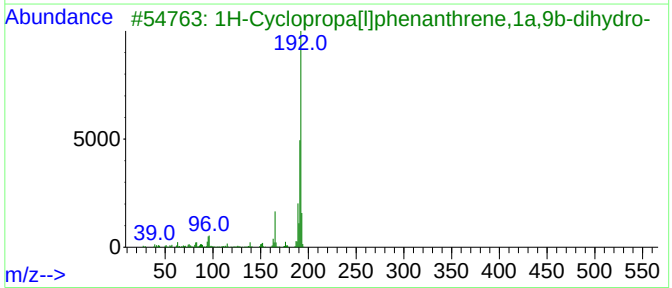


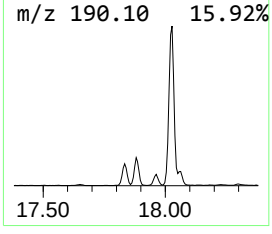












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

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

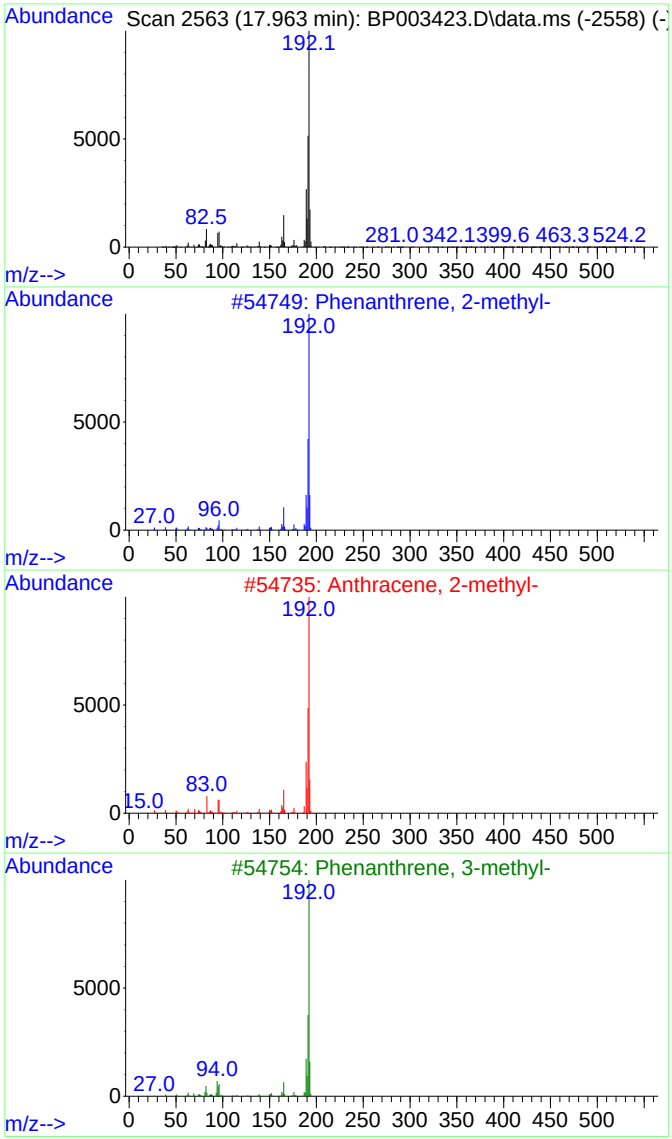
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

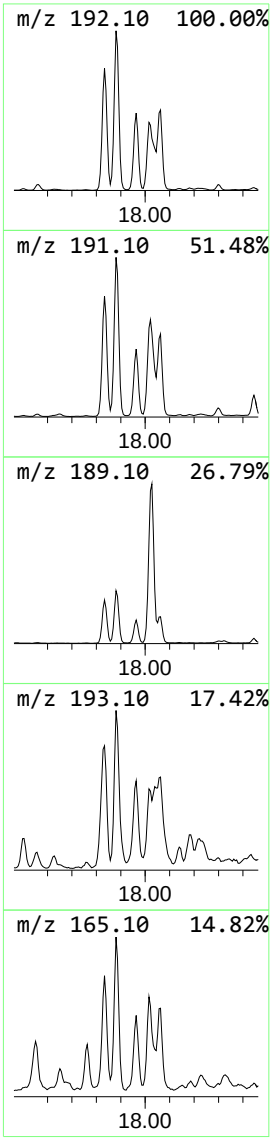
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.963	6.94 ng	619211	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

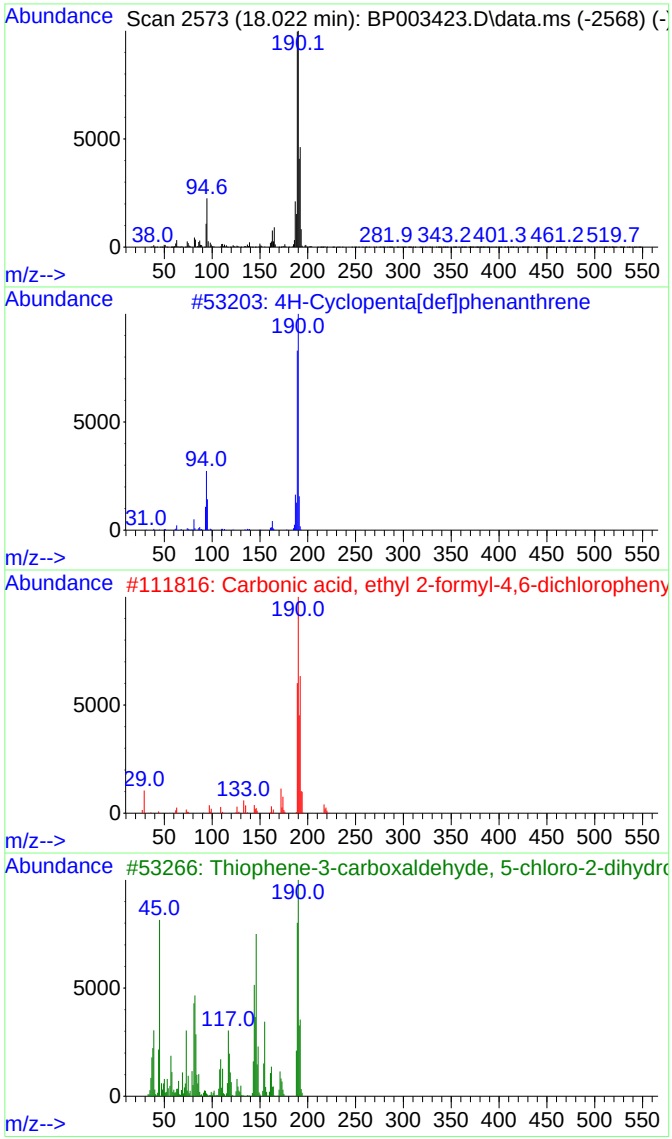
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

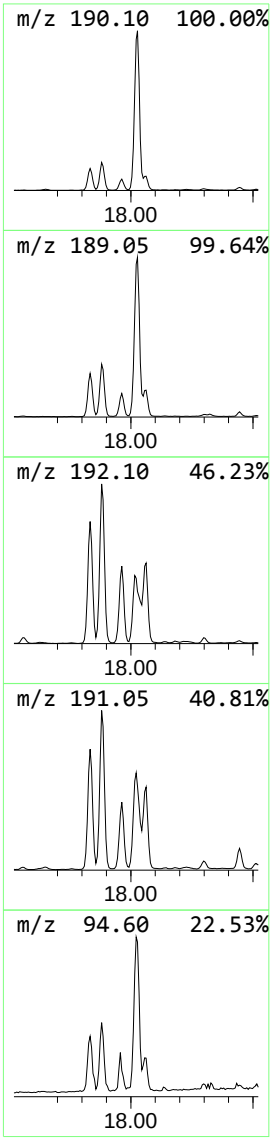
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.022	24.05 ng	2144390	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

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

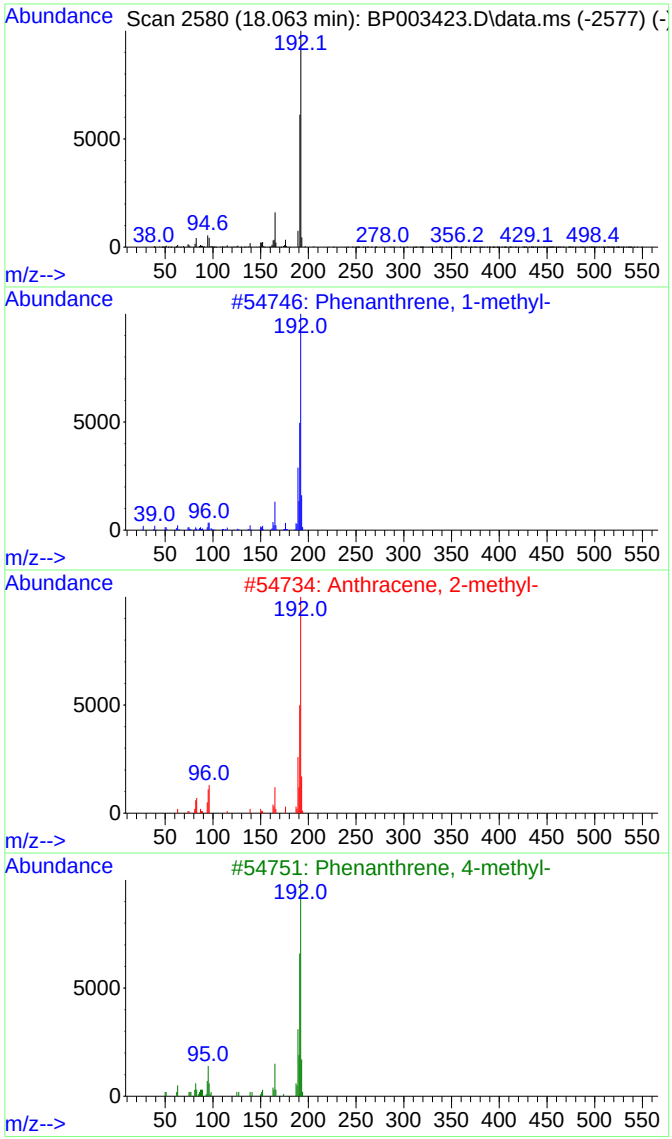
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

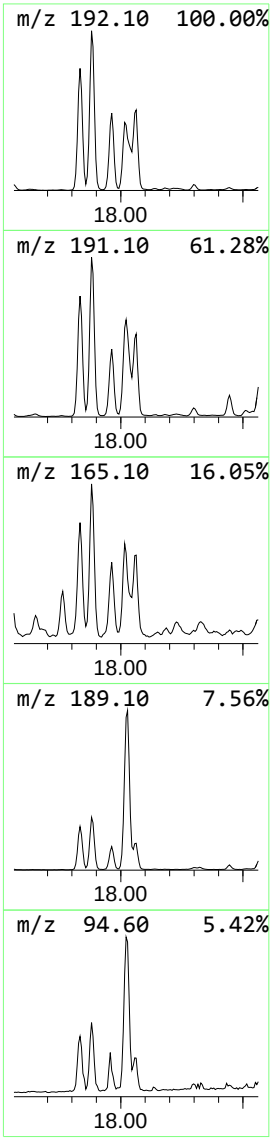
****

Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.063	8.28 ng	737858	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

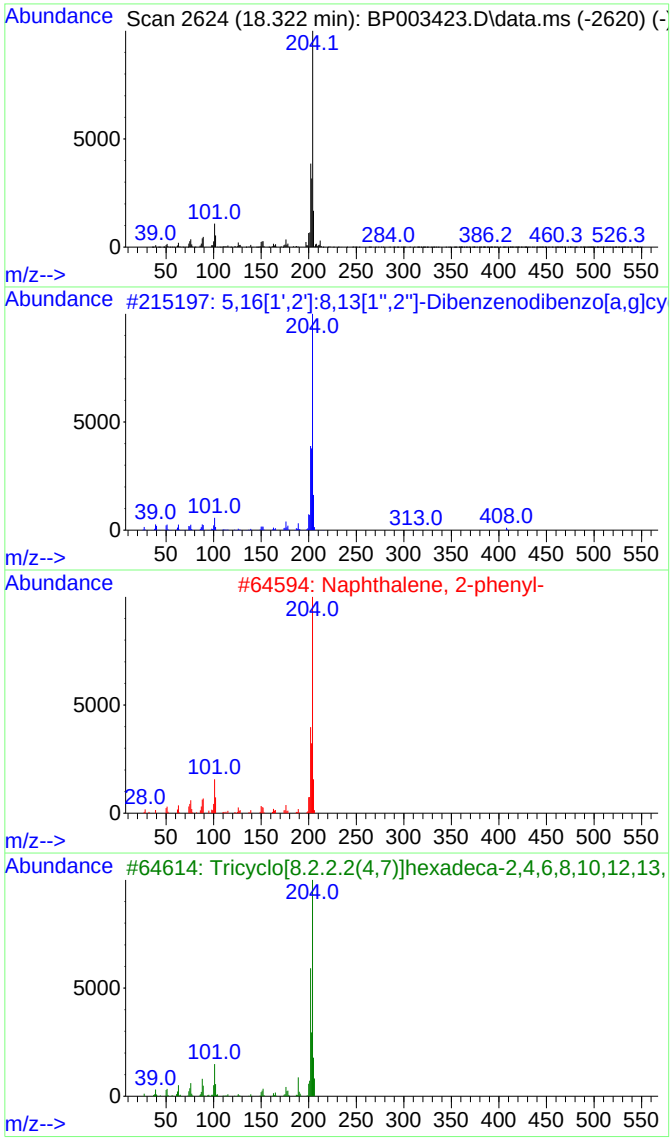
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

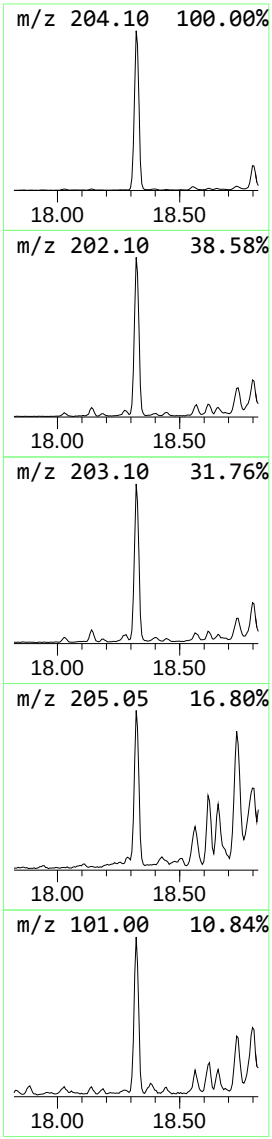
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.322	8.31 ng	740880	Phenanthrene-d10	16.957

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	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49
5	Levamisole	204	C11H12N2S	014769-73-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

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

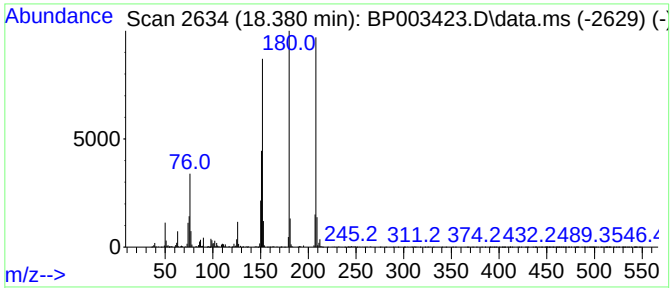
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

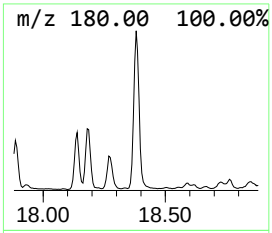
****

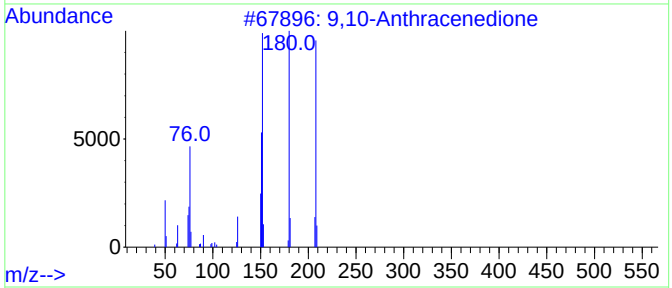
Peak Number 13 9,10-Anthracenedione Concentration Rank 9

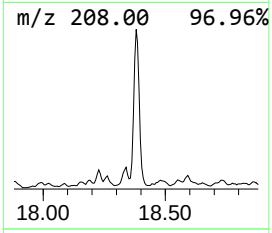
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.380	7.07 ng	630354	Phenanthrene-d10	16.957

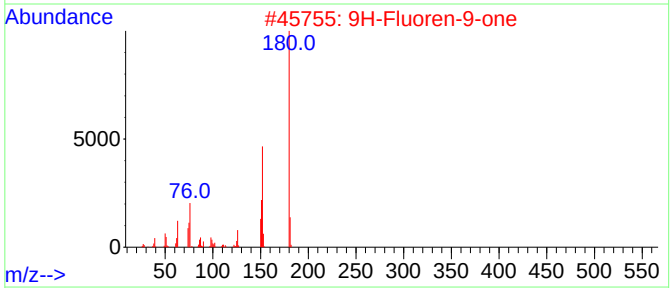
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	52

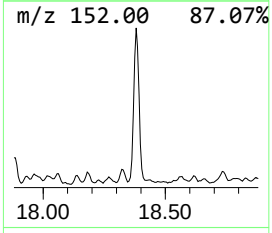


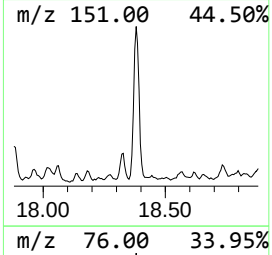


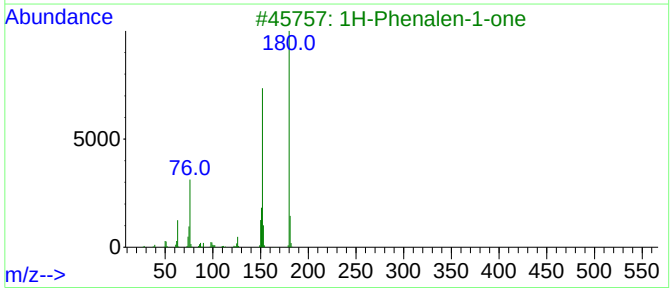


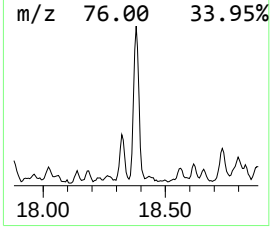












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(9-11)

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

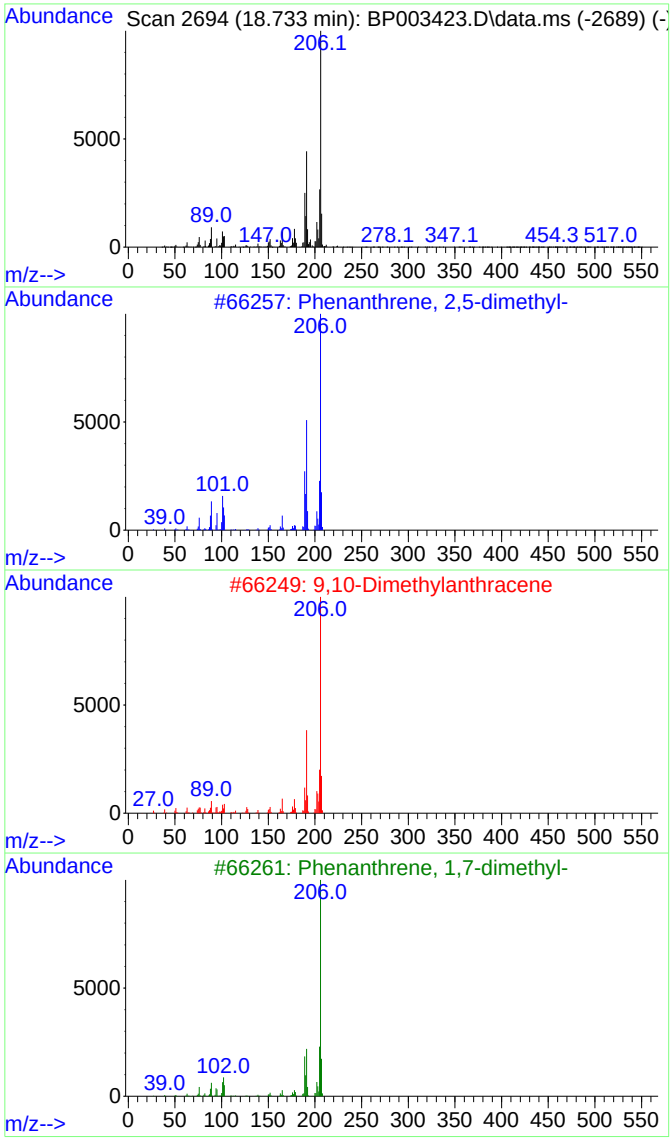
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

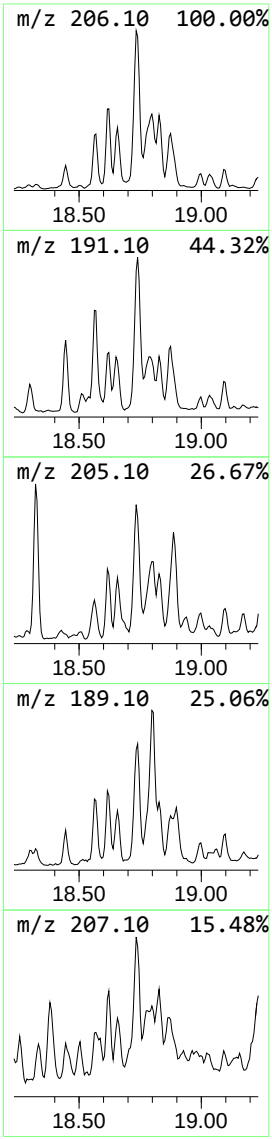
****

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.733	8.21 ng	732054	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(9-11)

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

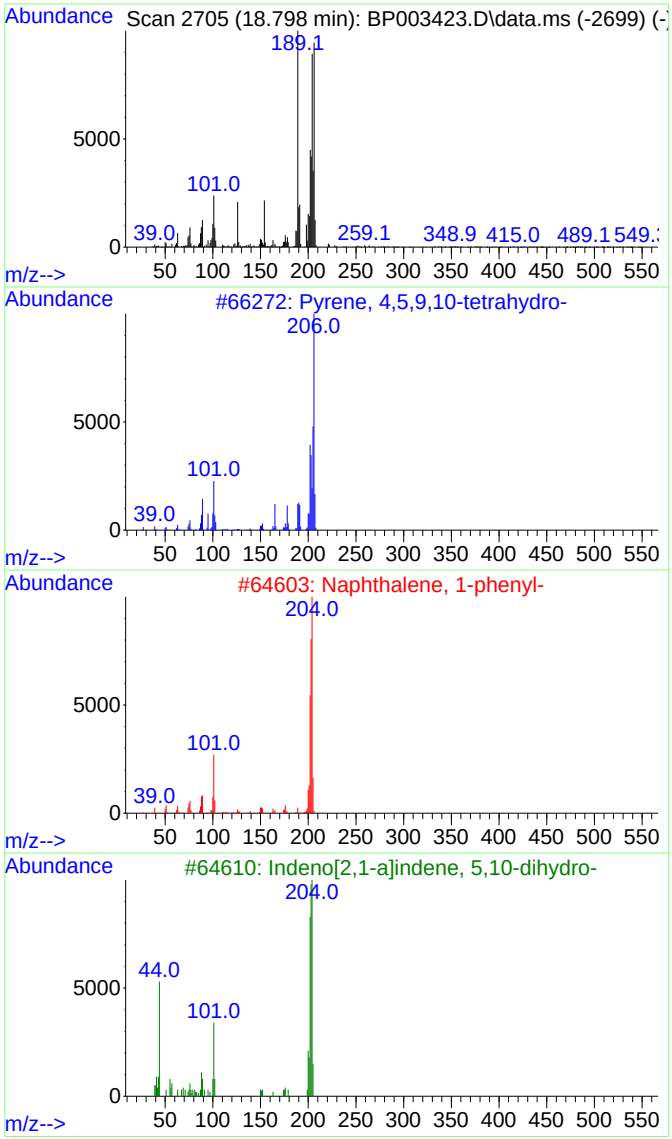
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

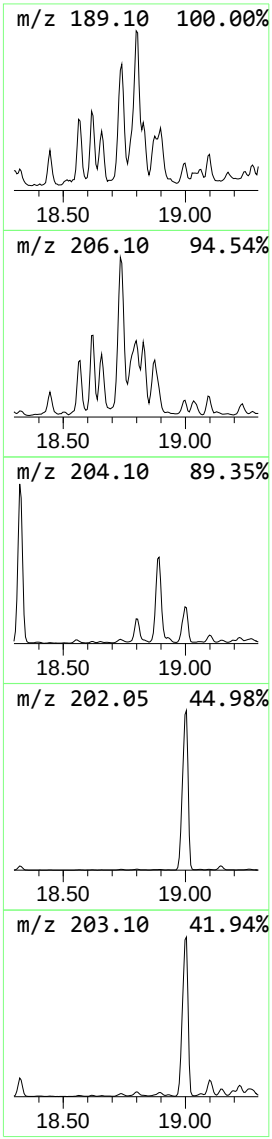
****

Peak Number 15 unknown18.798 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.798	4.89 ng	436271	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	44
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	44
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	44
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

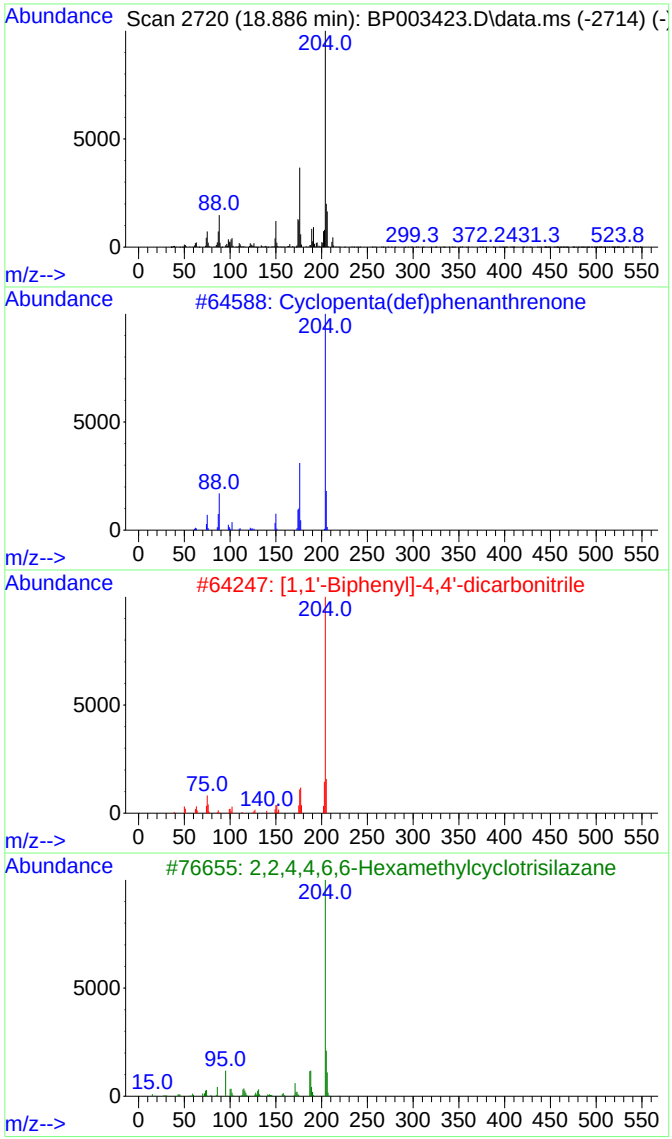
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

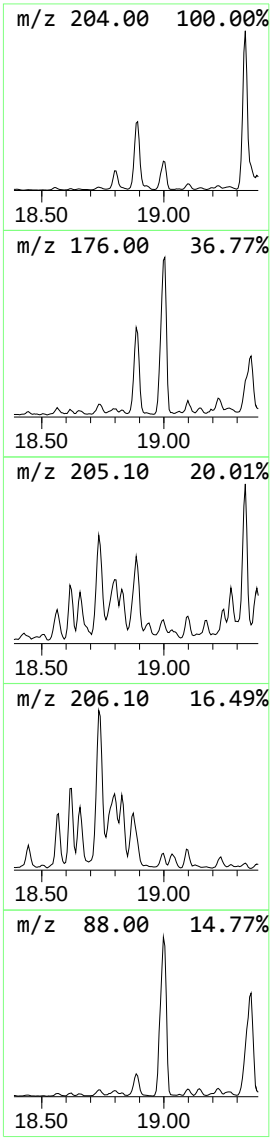
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.886	8.24 ng	734482	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	2,2,4,4,6,6-Hexamethylcyclotrisi...	219	C6H21N3Si3	001009-93-4	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	45





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Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

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

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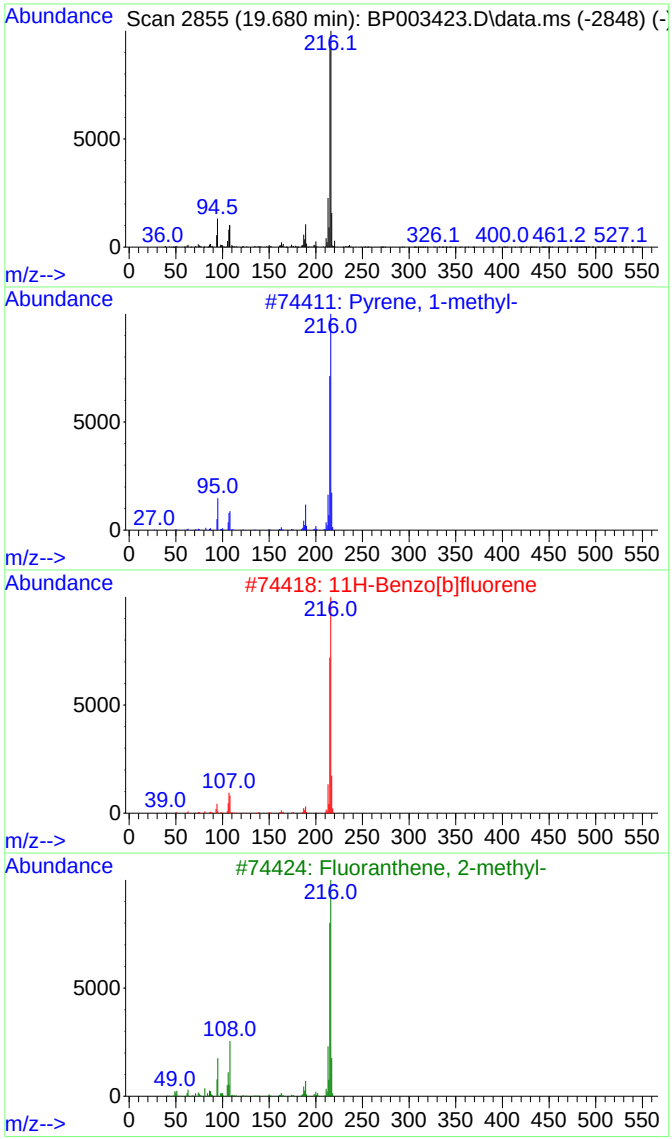
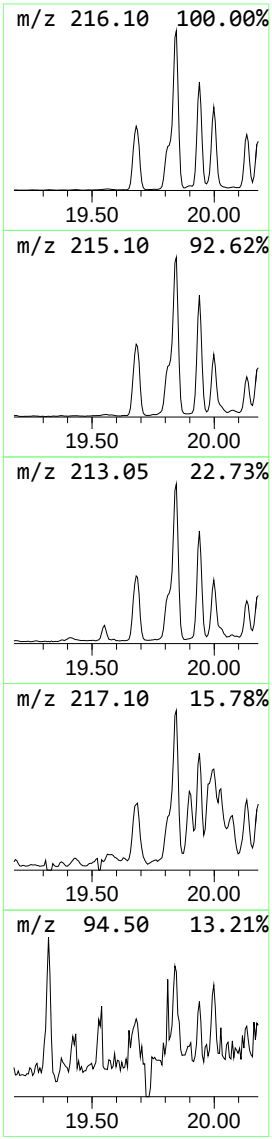
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.680	3.69 ng	1214820	Chrysene-d12	21.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





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Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

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

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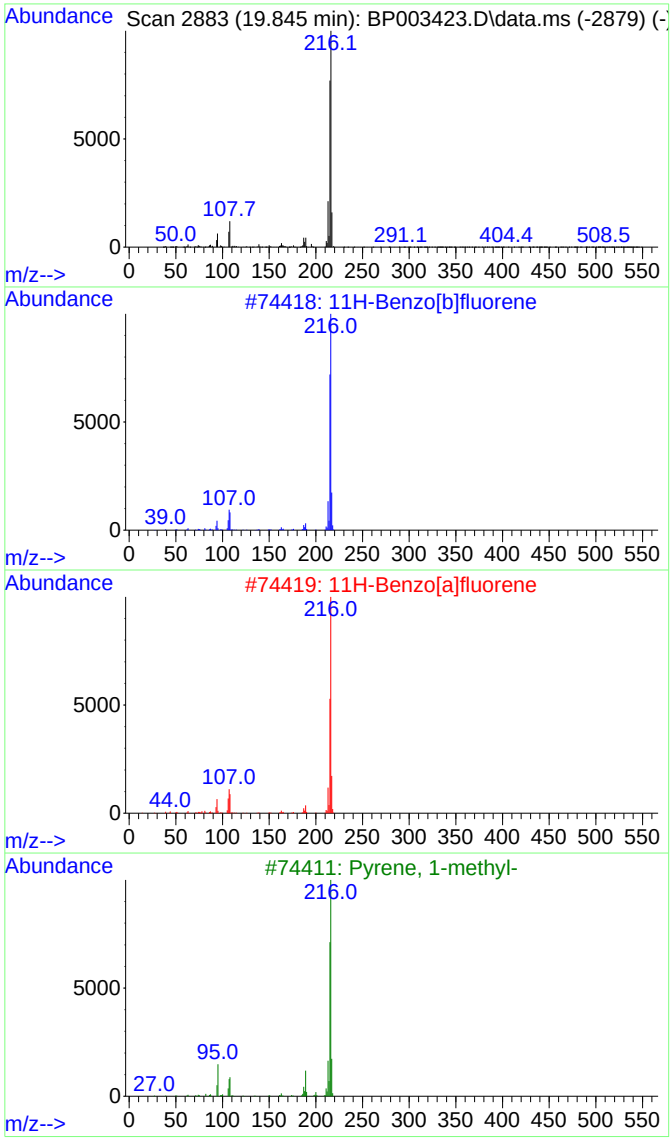
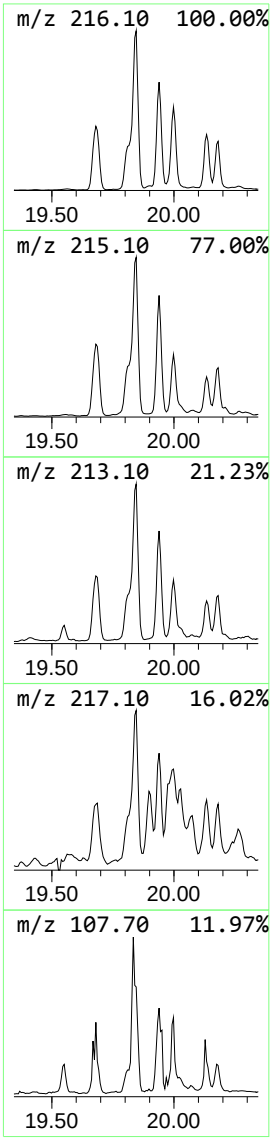
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.845	4.66 ng	1533000	Chrysene-d12	21.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(9-11)

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

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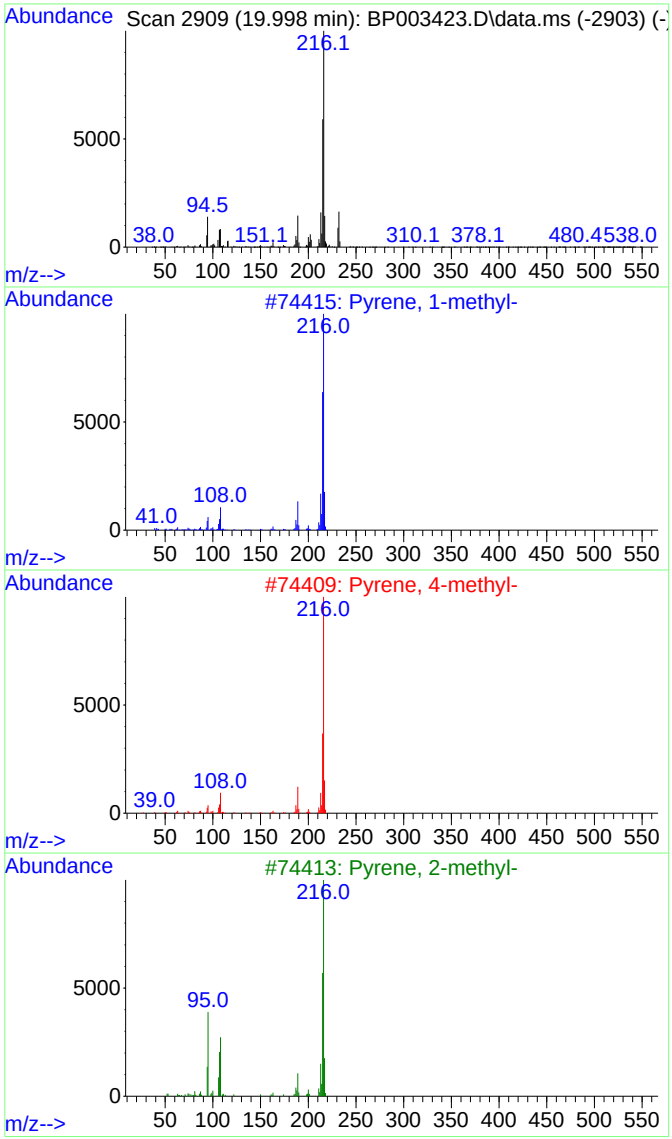
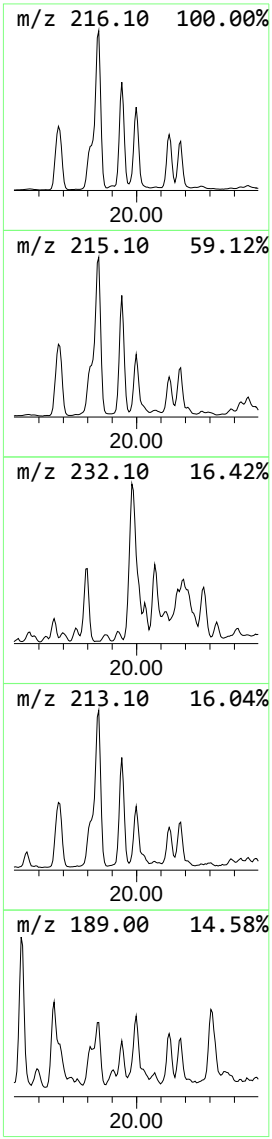
Peak Number 19 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.998	3.13 ng	1029050	Chrysene-d12	21.110

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	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(9-11)

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

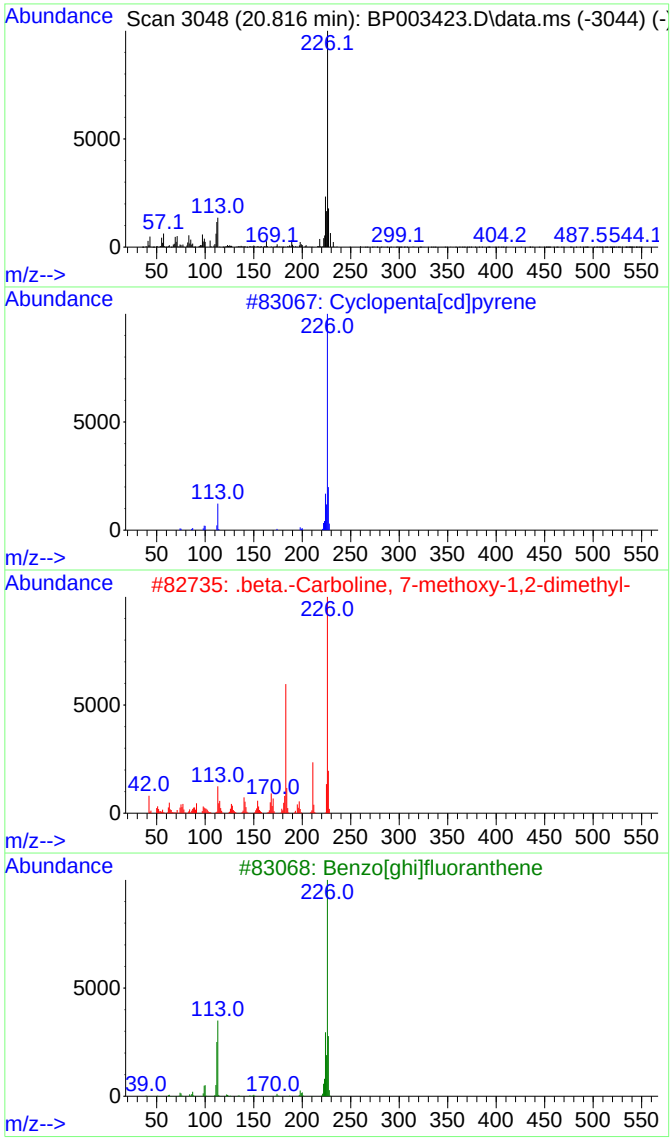
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

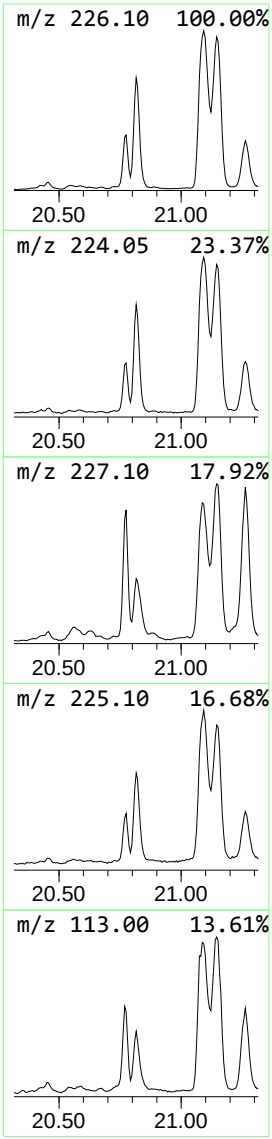
****

Peak Number 20 Cyclopenta[cd]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.816	3.66 ng	1203620	Chrysene-d12	21.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
4	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	42
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	33





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003423.D
Acq On : 30 Sep 2020 20:37
Operator : CG/JU
Sample : L4179-12 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(9-11)

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
[1,1'-Biphenyl]...	15.551	4.2	ng	341561	3	14.192	1645980	20.0
9H-Fluorene, 1-...	16.263	4.7	ng	415930	4	16.957	1783290	20.0
9H-Fluoren-9-one	16.616	7.1	ng	629287	4	16.957	1783290	20.0
Phenol, 4-(2-ph...	16.692	3.8	ng	335886	4	16.957	1783290	20.0
Dibenzothiophene	16.769	7.9	ng	702817	4	16.957	1783290	20.0
Acridine	17.151	3.8	ng	341235	4	16.957	1783290	20.0
Phenanthrene, 2...	17.833	12.9	ng	1153010	4	16.957	1783290	20.0
Phenanthrene, 1...	17.880	17.4	ng	1548440	4	16.957	1783290	20.0
Anthracene, 2-m...	17.963	6.9	ng	619211	4	16.957	1783290	20.0
4H-Cyclopenta[d...	18.022	24.1	ng	2144390	4	16.957	1783290	20.0
Phenanthrene, 4...	18.063	8.3	ng	737858	4	16.957	1783290	20.0
5,16[1',2']:8,1...	18.322	8.3	ng	740880	4	16.957	1783290	20.0
9,10-Anthracene...	18.380	7.1	ng	630354	4	16.957	1783290	20.0
Phenanthrene, 2...	18.733	8.2	ng	732054	4	16.957	1783290	20.0
unknown18.798	18.798	4.9	ng	436271	4	16.957	1783290	20.0
Cyclopenta(def)...	18.886	8.2	ng	734482	4	16.957	1783290	20.0
Pyrene, 1-methyl-	19.680	3.7	ng	1214820	5	21.110	6579950	20.0
11H-Benzo[b]flu...	19.845	4.7	ng	1533000	5	21.110	6579950	20.0
Pyrene, 4-methyl-	19.998	3.1	ng	1029050	5	21.110	6579950	20.0
Cyclopenta[cd]p...	20.816	3.7	ng	1203620	5	21.110	6579950	20.0