

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000209.D
 Acq On : 12 Sep 2019 10:52
 Operator : HP/JU
 Sample : K4634-05
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D23

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:04:24 AM

Quant Time: Sep 13 03:44:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 13 02:45:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	2155395	20.00	ng/ul	0.00
18) Naphthalene-d8	8.19	136	7064245	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.96	164	4207865	20.00	ng/ul	0.02
62) Phenanthrene-d10	11.47	188	7111089	20.00	ng/ul	0.02
78) Chrysene-d12	14.19	240	6094417	20.00	ng/ul	0.04
86) Perylene-d12	15.77	264	7414398	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.60	96	22461	0.37	ng/uL	0.00
5) Phenol-d5	6.51	99	407005	2.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.57	67	213932	2.23	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	344376	2.32	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	307815	2.23	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	158746	2.96	ng/ul	0.00
22) 2-Nitrophenol-d4	7.77	143	165705	3.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	308810	2.79	ng/ul	0.00
29) 4-Chloroaniline-d4	8.23	131	192379	1.40	ng/ul	0.00
44) Dimethylphthalate-d6	9.64	166	867096	2.79	ng/ul	0.00
47) Acenaphthylene-d8	9.80	160	1047186	2.73	ng/ul	0.00
52) 4-Nitrophenol-d4	10.05	143	103564	1.87	ng/ul	0.00
58) Fluorene-d10	10.47	176	711869	2.70	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.55	200	53490	1.64	ng/ul	0.01
71) Anthracene-d10	11.52	188	961215	2.79	ng/ul	0.01
79) Pyrene-d10	12.92	212	929016	2.56	ng/ul	0.01
90) Benzo(a)pyrene-d12	15.64	264	839316	2.18	ng/ul	0.02

Target Compounds

					Ovalue
70) Phenanthrene	11.49	178	1629139	3.874	ng/ul 100
77) Fluoranthene	12.70	202	3545498	8.359	ng/ul 99
80) Pyrene	12.94	202	3133228	6.814	ng/ul 95
83) Benzo(a)anthracene	14.17	228	1856298	4.208	ng/ul 96
85) Chrysene	14.21	228	1792378	4.428	ng/ul 98
88) Benzo(b)fluoranthene	15.29	252	2455876m	4.998	ng/ul
89) Benzo(k)fluoranthene	15.29	252	1385229m	2.990	ng/ul
91) Benzo(a)pyrene	15.67	252	1727833	3.748	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	17.33	276	1311505	2.473	ng/ul 98
94) Benzo(g,h,i)perylene	17.82	276	1261406	2.852	ng/ul 98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

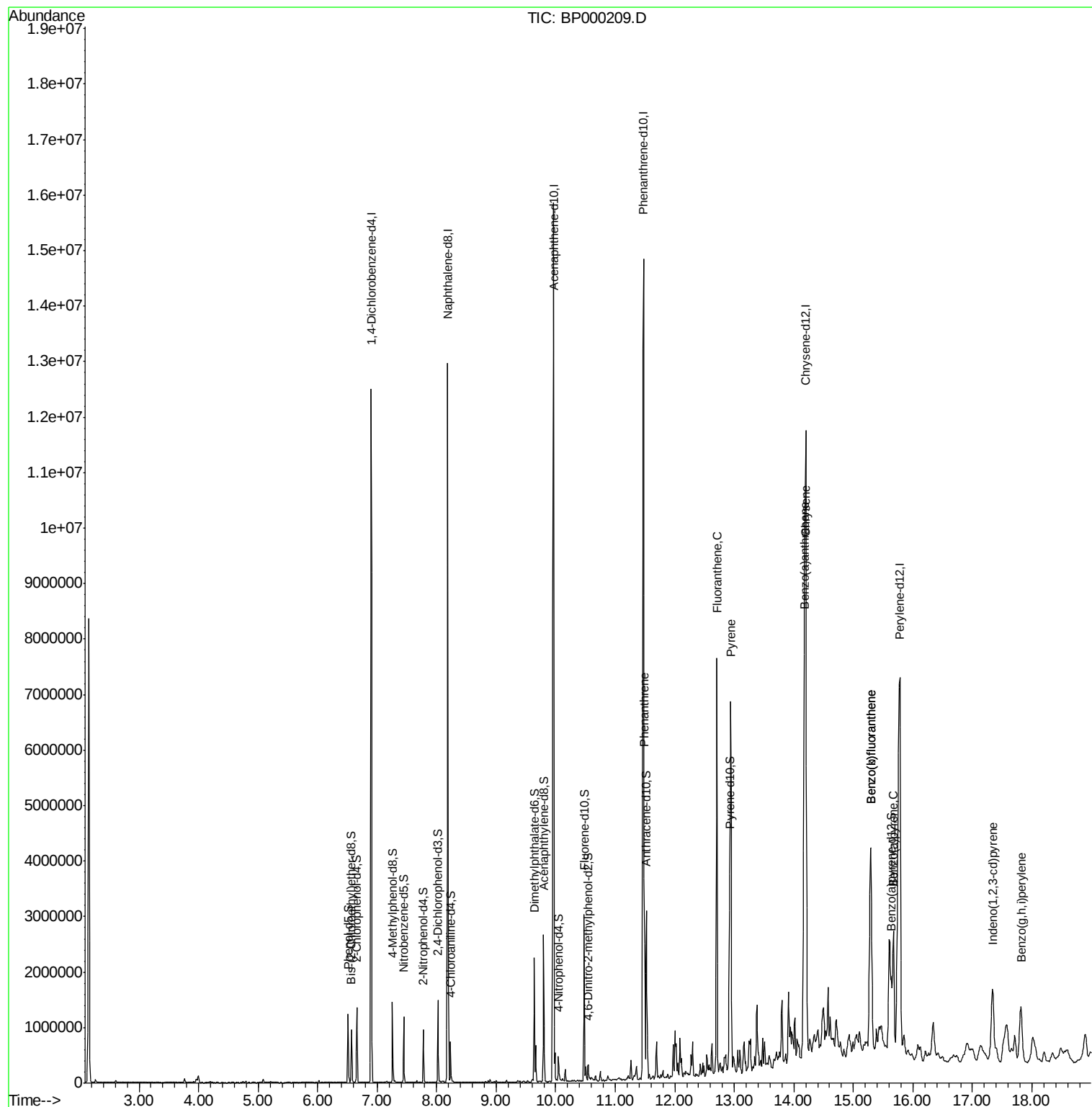
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000209.D
Acq On : 12 Sep 2019 10:52
Operator : HP/JU
Sample : K4634-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

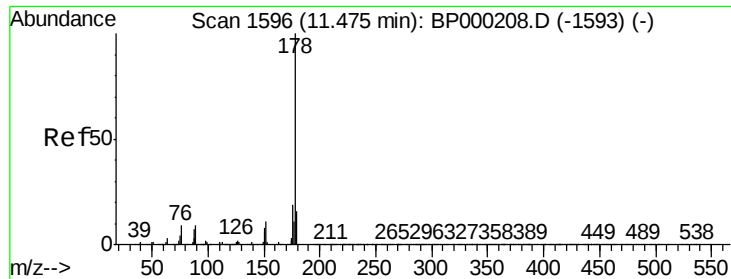
Instrument :
BNA_P
ClientSampleId :
F2D23

Manual Integrations
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Quant Time: Sep 13 03:44:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 13 02:45:52 2019
Response via : Initial Calibration





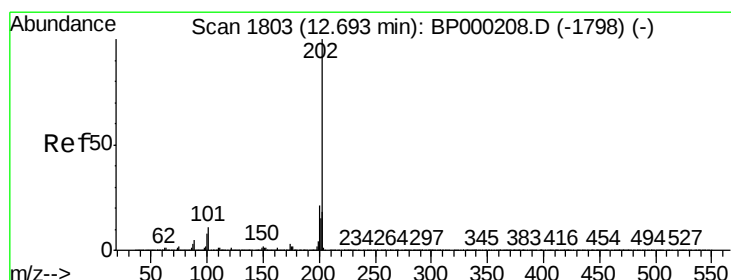
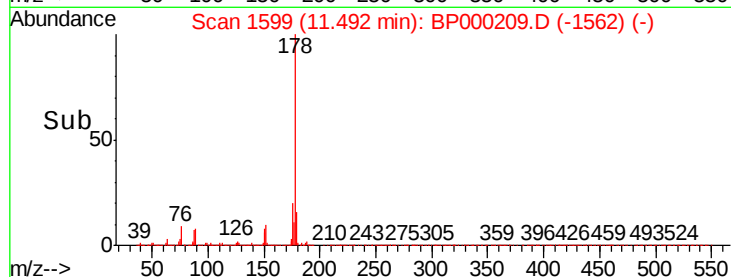
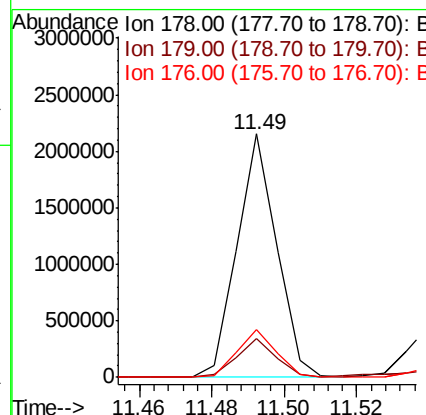
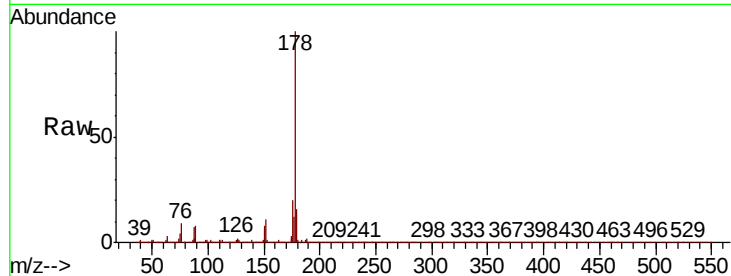
#70
Phenanthrene
Concen: 3.874 ng/ul
RT: 11.49 min Scan# 1599
Delta R.T. 0.02 min
Lab File: BP000209.D
Acq: 12 Sep 2019 10:52

Instrument :
BNA_P
ClientSampled :
F2D23

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7
176	19.6	15.7	23.5

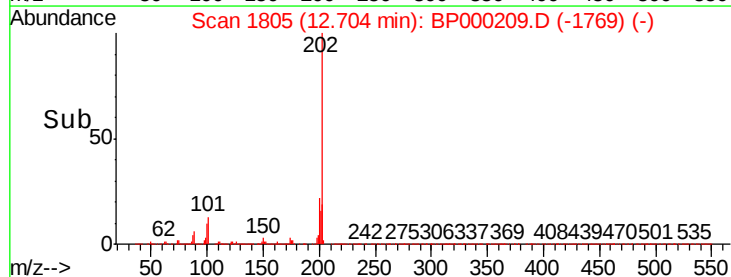
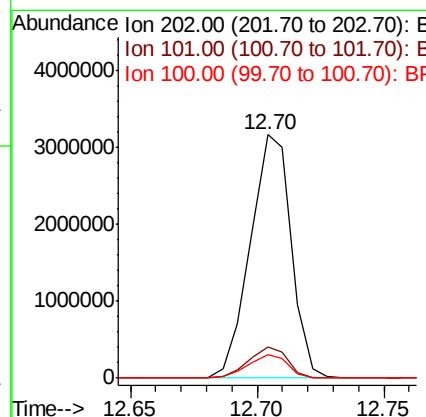
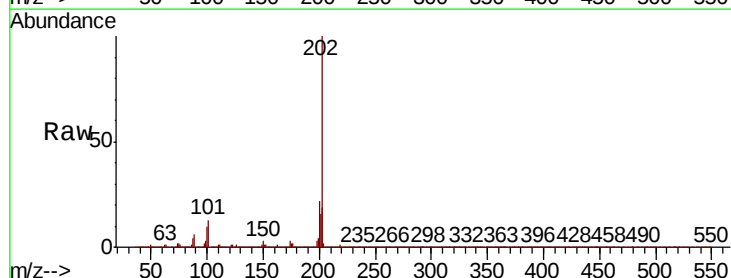
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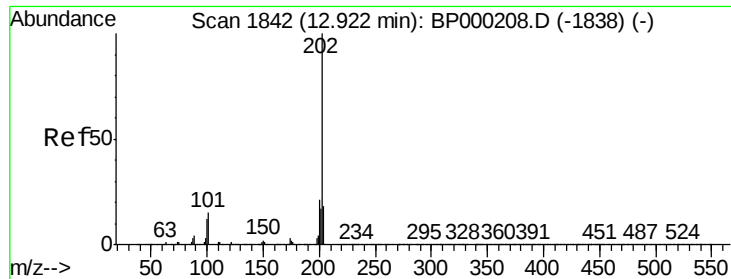
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#77
Fluoranthene
Concen: 8.359 ng/ul
RT: 12.70 min Scan# 1805
Delta R.T. 0.01 min
Lab File: BP000209.D
Acq: 12 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.0	15.0
100	9.9	7.4	11.2





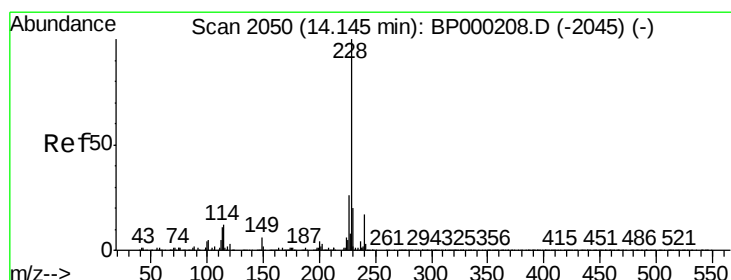
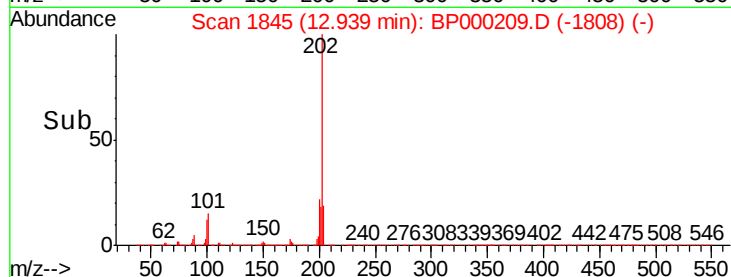
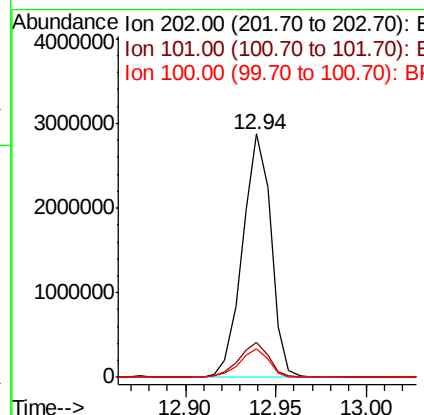
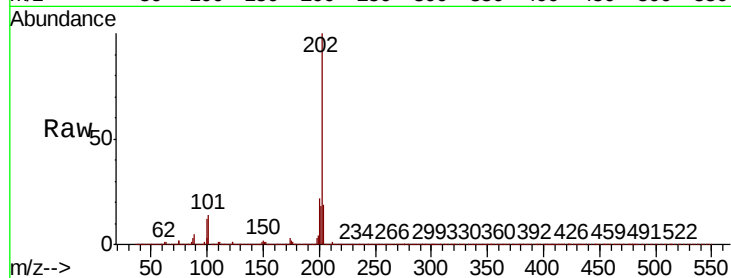
#80
Pvrene
Concen: 6.814 ng/ul
RT: 12.94 min Scan# 1845
Delta R.T. 0.02 min
Lab File: BP000209.D
Acq: 12 Sep 2019 10:52

Instrument :
BNA_P
ClientSampleId :
F2D23

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.4	13.4	20.0
100	11.6	10.8	16.2

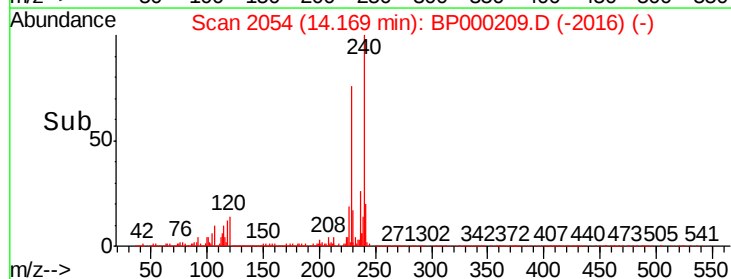
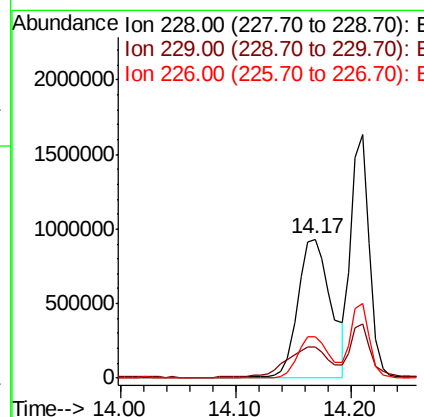
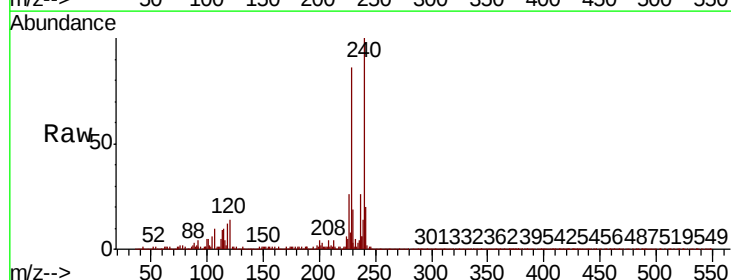
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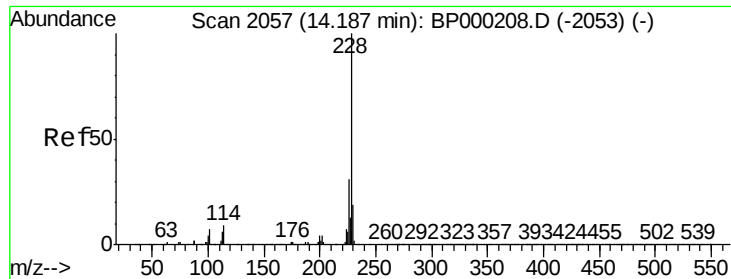
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#83
Benzo(a)anthracene
Concen: 4.208 ng/ul
RT: 14.17 min Scan# 2054
Delta R.T. 0.02 min
Lab File: BP000209.D
Acq: 12 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.2	15.9	23.9
226	29.7	22.1	33.1





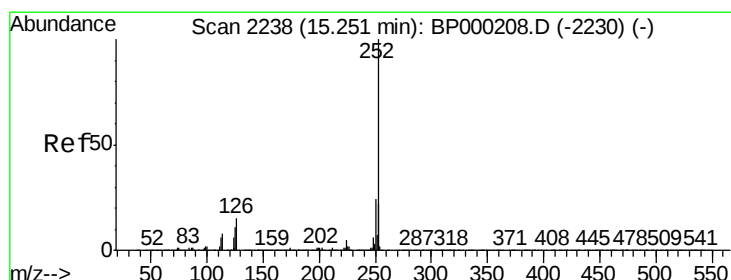
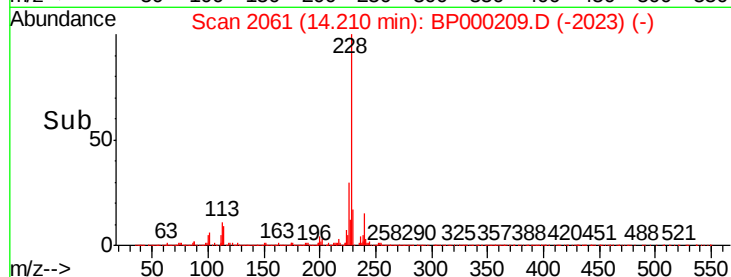
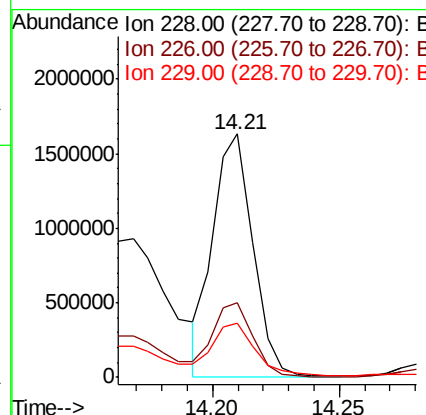
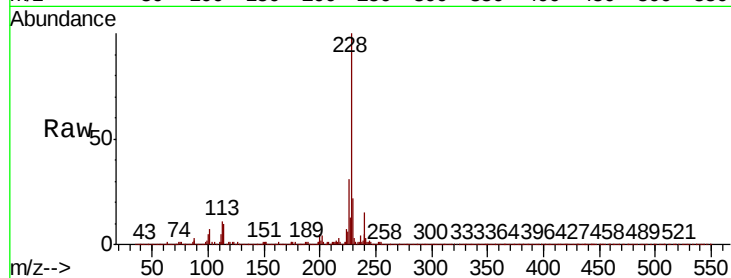
#85
Chrysene
Concen: 4.428 ng/ul
RT: 14.21 min Scan# 2061
Delta R.T. 0.02 min
Lab File: BP000209.D
Acq: 12 Sep 2019 10:52

Instrument :
BNA_P
ClientSampled :
F2D23

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	30.7	24.4	36.6	
229	22.5	16.0	24.0	

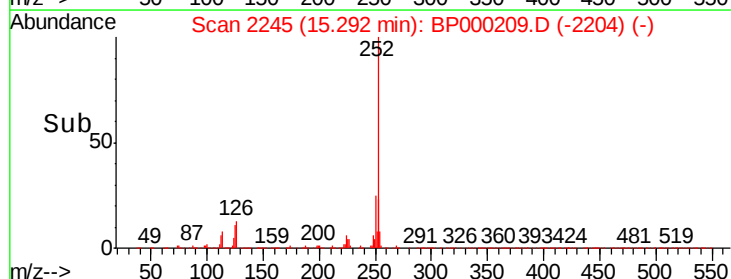
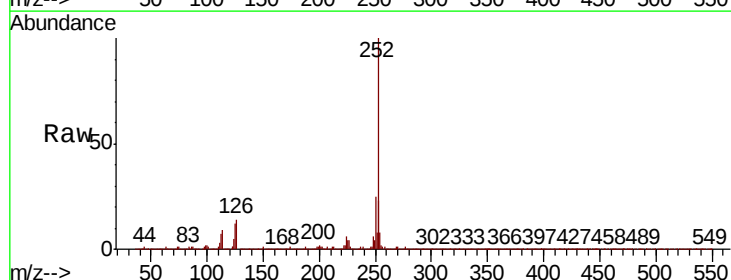
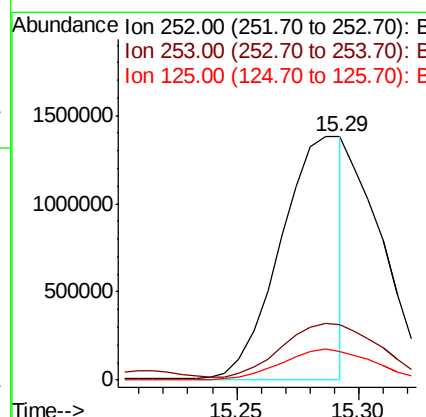
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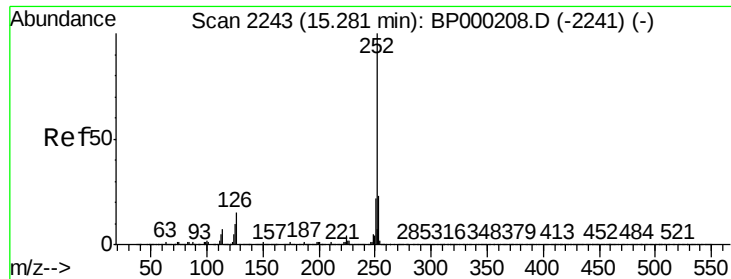
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#88
Benzo(b)fluoranthene
Concen: 4.998 ng/ul m
RT: 15.29 min Scan# 2245
Delta R.T. 0.04 min
Lab File: BP000209.D
Acq: 12 Sep 2019 10:52

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
253	23.0	17.5	26.3	
125	11.6	9.9	14.9	





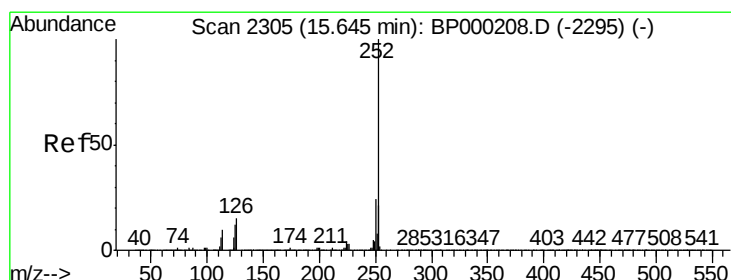
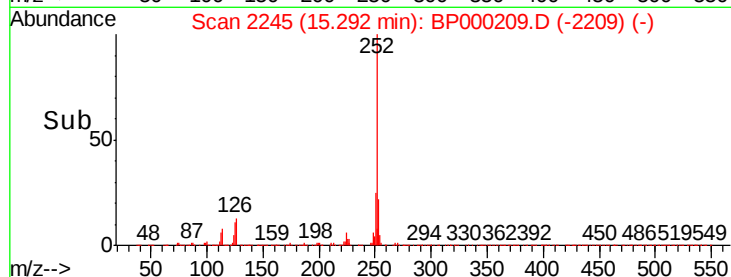
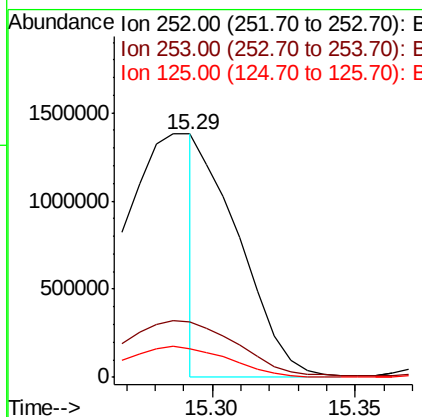
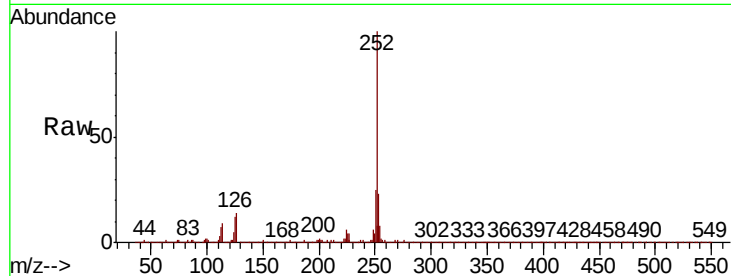
#89
Benzo(k)fluoranthene
Concen: 2.990 ng/ul m
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BP000209.D
Acq: 12 Sep 2019 10:52

Instrument :
BNA_P
ClientSampleId :
F2D23

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	11.6	10.2	15.2

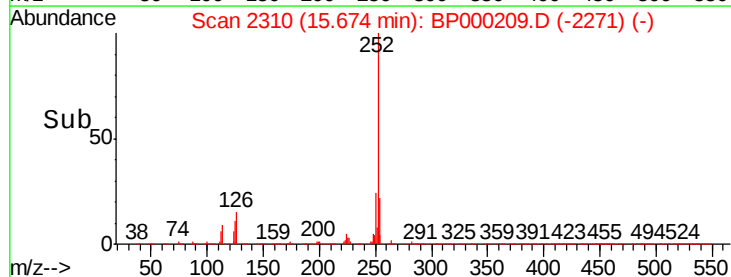
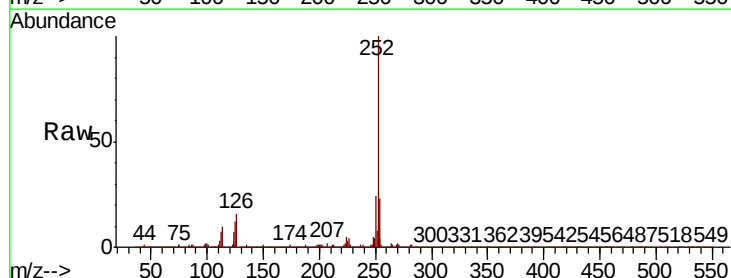
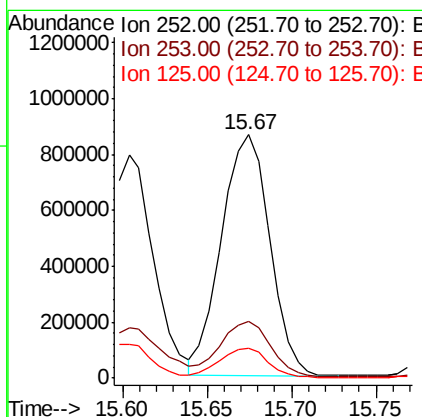
Manual Integrations
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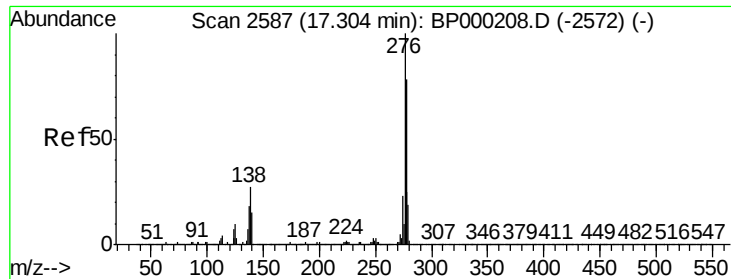
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#91
Benzo(a)pyrene
Concen: 3.748 ng/ul
RT: 15.67 min Scan# 2310
Delta R.T. 0.03 min
Lab File: BP000209.D
Acq: 12 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	12.2	10.2	15.2





#92

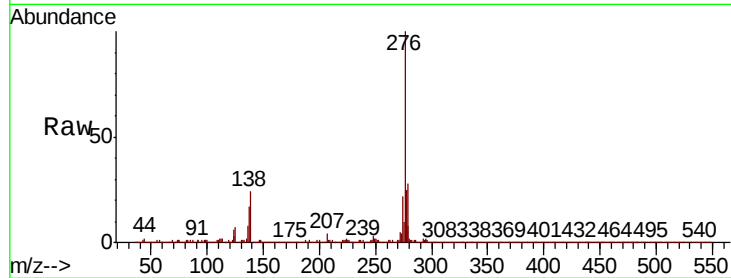
Indeno(1,2,3-cd)pyrene
Concen: 2.473 ng/ul
RT: 17.33 min Scan# 2592
Delta R.T. 0.03 min
Lab File: BP000209.D
Acq: 12 Sep 2019 10:52

Instrument :
BNA_P
ClientSampled :
F2D23

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	20.0	30.0
277	25.1	19.4	29.0

Manual Integrations
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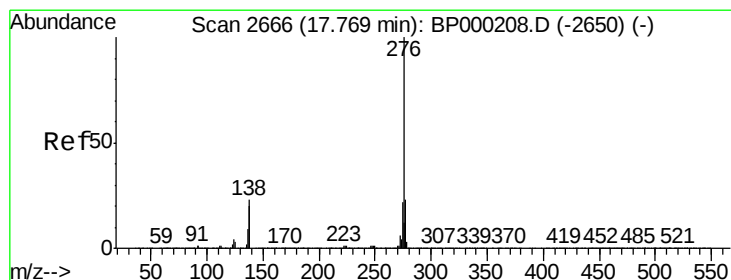
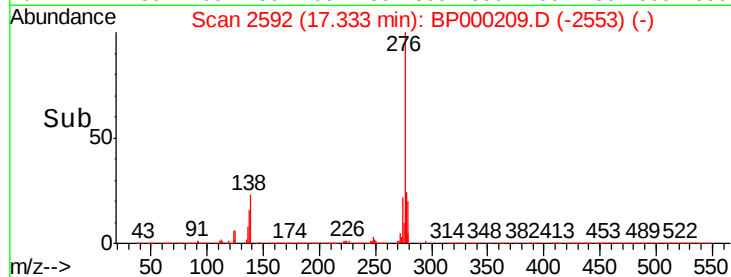
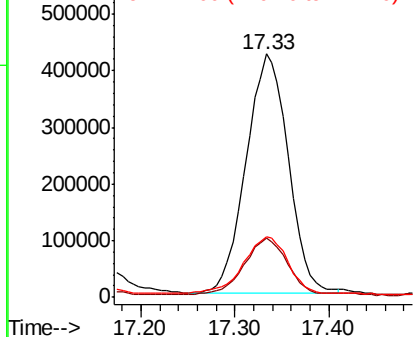


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

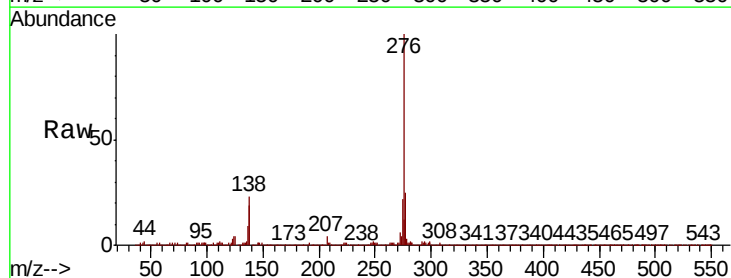
Ion 277.00 (276.70 to 277.70): E



#94

Benzo(g,h,i)perylene
Concen: 2.852 ng/ul
RT: 17.82 min Scan# 2674
Delta R.T. 0.05 min
Lab File: BP000209.D
Acq: 12 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.5	20.0	30.0
277	24.6	19.1	28.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

