

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
 Data File : BF112864.D
 Acq On : 5 Mar 2019 20:48
 Operator : JU/SJ
 Sample : K1705-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW011-022719

Manual Integrations
 APPROVED

Sohil
 3/6/2019 12:24:35 PM

Quant Time: Mar 06 04:01:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	182203	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	713909	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	349453	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	689404	20.00	ng	0.00
76) Chrysene-d12	13.87	240	463432	20.00	ng	0.00
87) Perylene-d12	15.29	264	485829	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1309983	111.84	ng	0.00
7) Phenol-d6	6.38	99	1695350	115.22	ng	0.01
23) Nitrobenzene-d5	7.30	82	1078664	90.41	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	536096	144.50	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1742571	81.80	ng	0.00
79) Terphenyl-d14	12.83	244	1573306	65.81	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.49	163	151382	5.875	ng	Qvalue 100
58) Fluorene	10.32	166	47656	2.091	ng	98
71) Phenanthrene	11.27	178	664854	19.383	ng	99
72) Anthracene	11.32	178	165379	4.606	ng	97
75) Fluoranthene	12.46	202	690774	18.797	ng	95
78) Pyrene	12.68	202	593675	15.196	ng	99
81) Benzo(a)anthracene	13.86	228	295889	9.212	ng	99
83) Chrysene	13.90	228	247866	7.878	ng	97
86) Indeno(1,2,3-cd)pyrene	16.64	276	90395	3.370	ng	# 90
88) Benzo(b)fluoranthene	14.88	252	288963m	9.195	ng	
89) Benzo(k)fluoranthene	14.90	252	99267m	3.487	ng	
90) Benzo(a)pyrene	15.22	252	191492	6.889	ng	98
92) Benzo(a,h,i)perylene	17.04	276	70464	2.959	ng	95

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

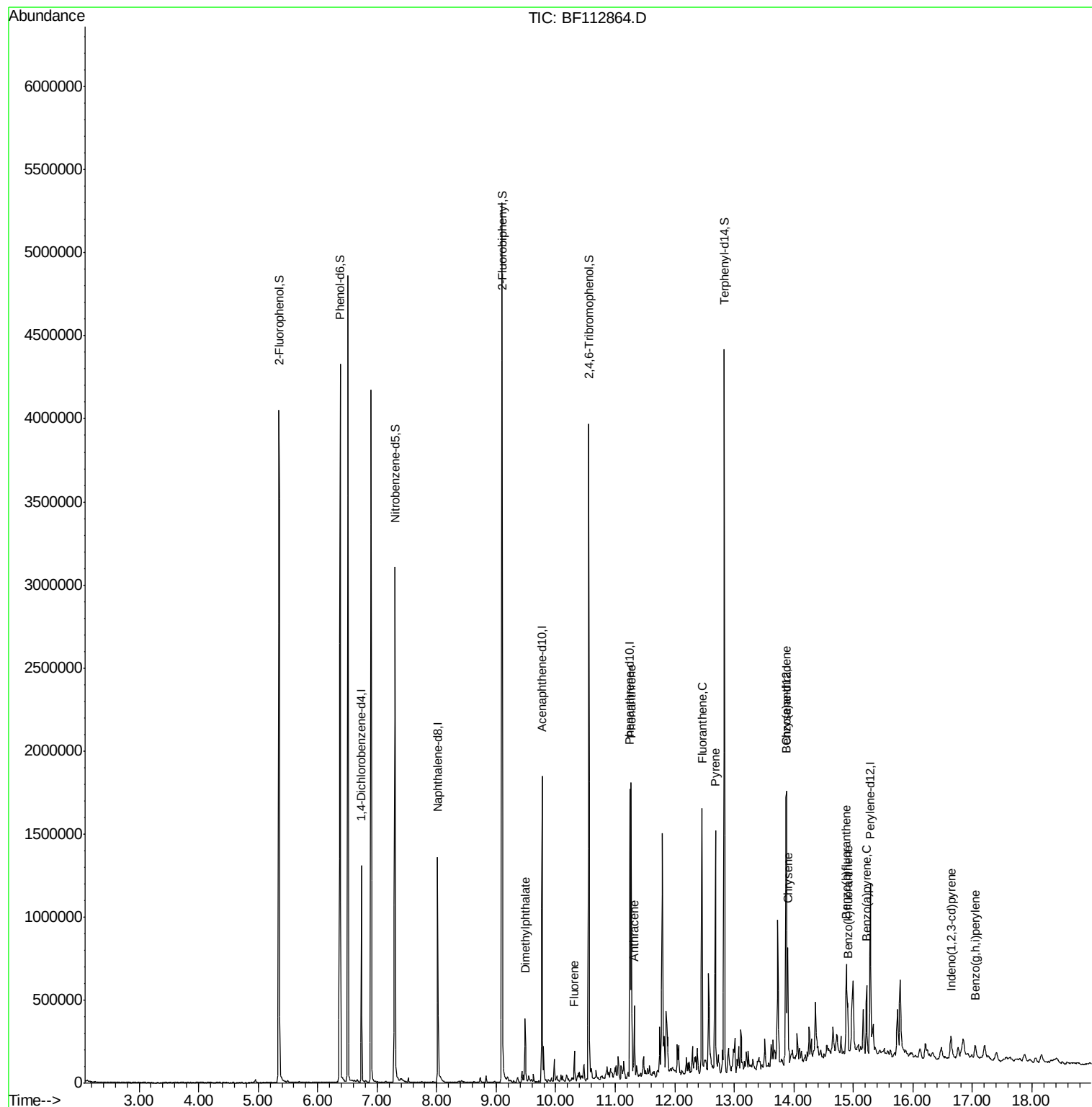
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112864.D
Acq On : 5 Mar 2019 20:48
Operator : JU/SJ
Sample : K1705-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

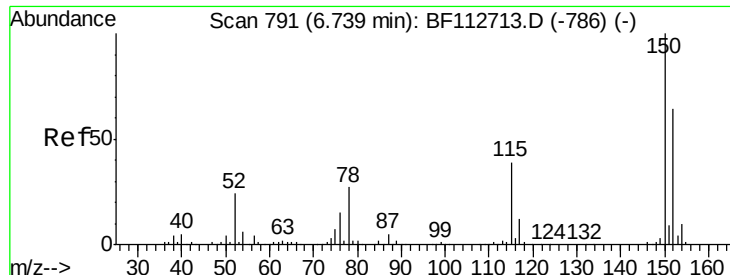
Instrument :
BNA_F
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EXT-027-SW011-022719

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#1

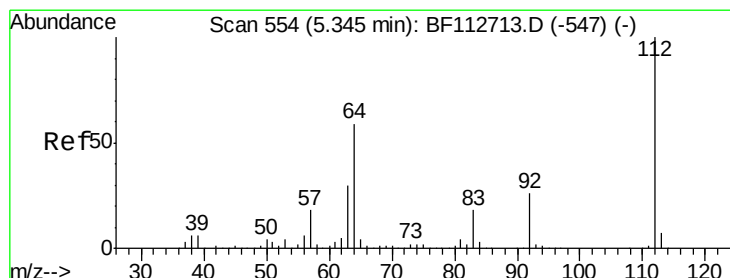
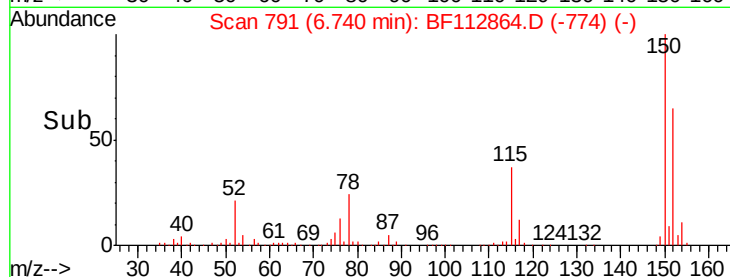
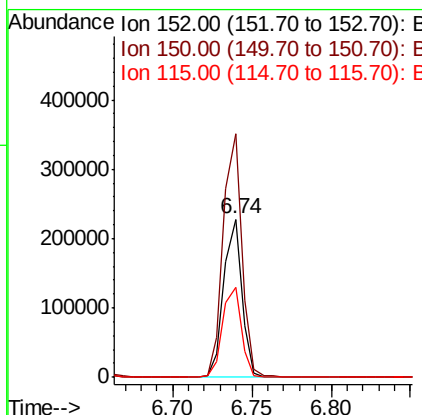
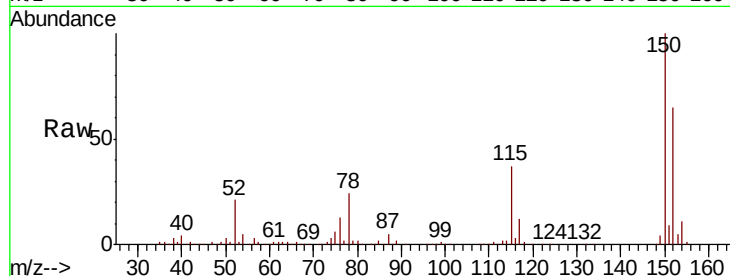
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.2	186.2
115	57.1	48.2	72.4

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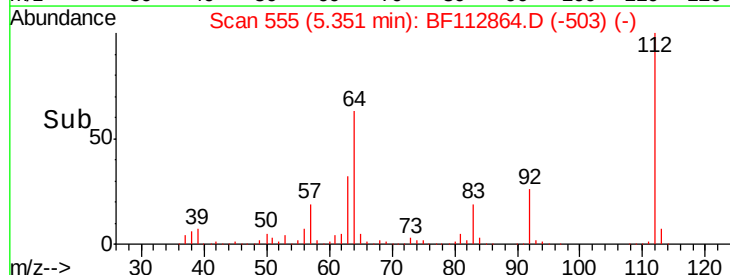
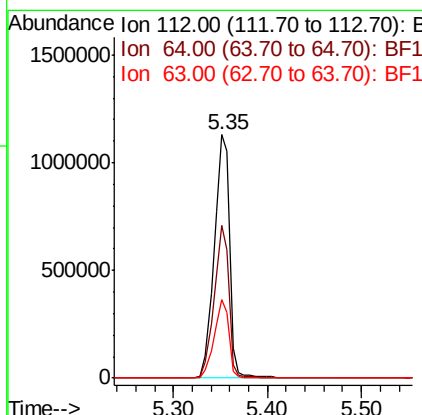
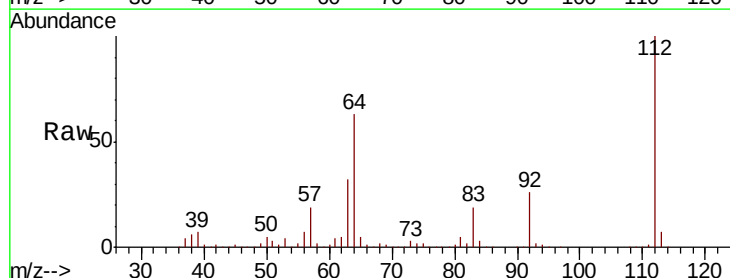
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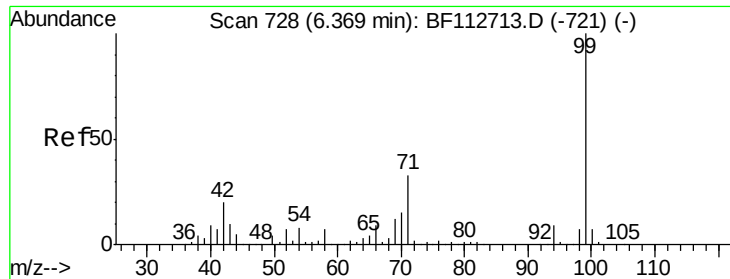


#5

2-Fluorophenol
Concen: 111.839 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	47.6	71.4
63	32.5	24.4	36.6





#7

Phenol-d6

Concen: 115.223 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719

Tot Ion: 99 Resp: 1695350

Ion Ratio Lower Upper

99 100

42 19.9 16.3 24.5

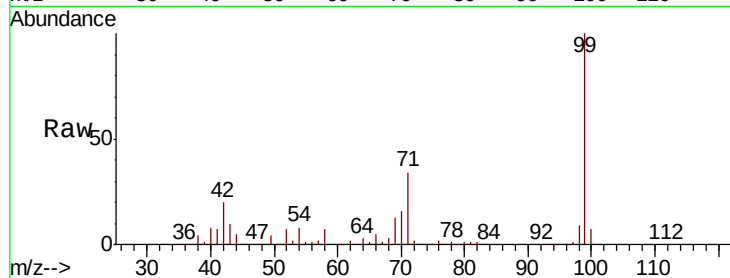
71 34.2 26.2 39.4

Manual Integrations

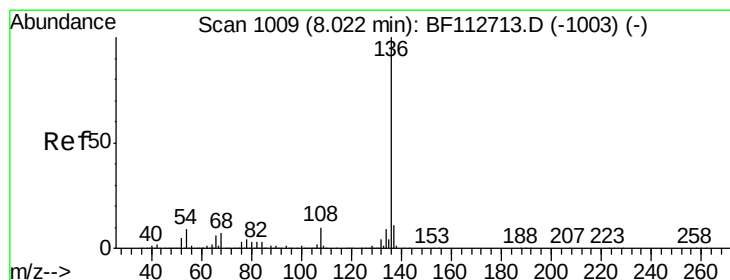
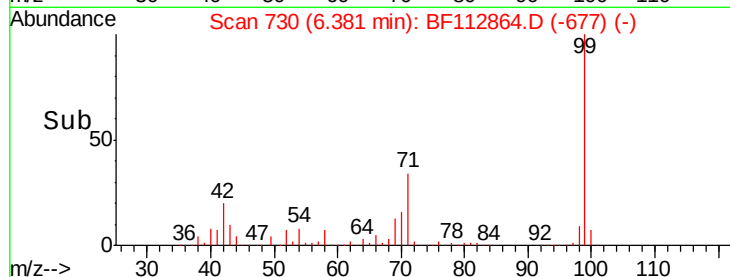
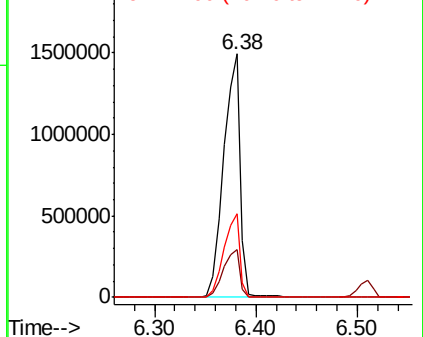
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

Tgt Ion: 136 Resp: 713909

Ion Ratio Lower Upper

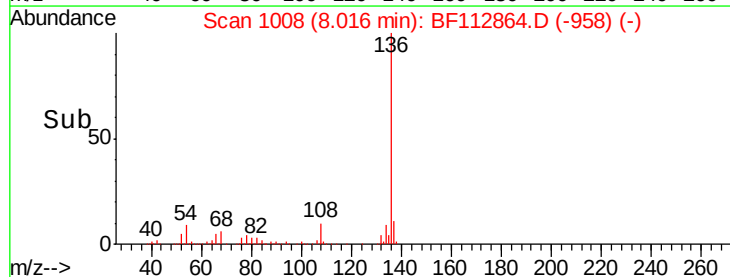
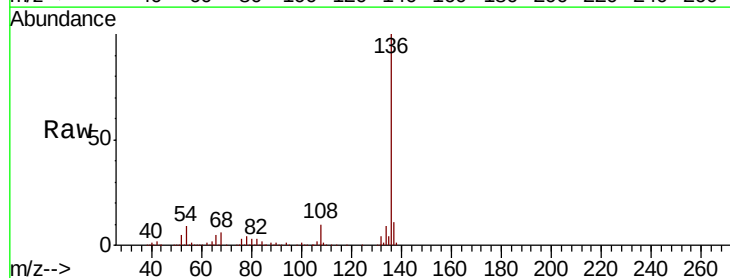
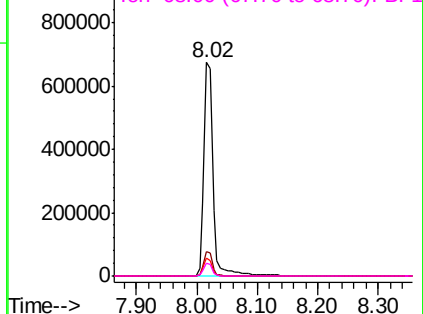
136 100

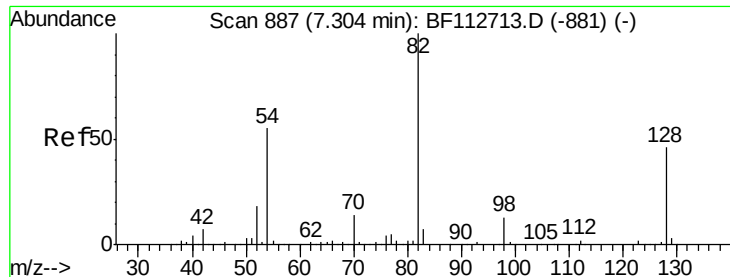
137 11.2 8.9 13.3

54 8.6 7.3 10.9

68 6.3 5.4 8.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





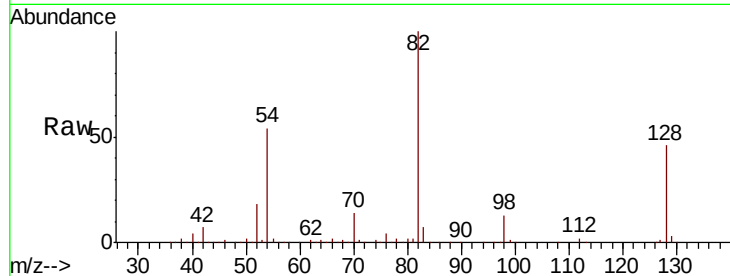
#23
Nitrobenzene-d5
Concen: 90.411 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

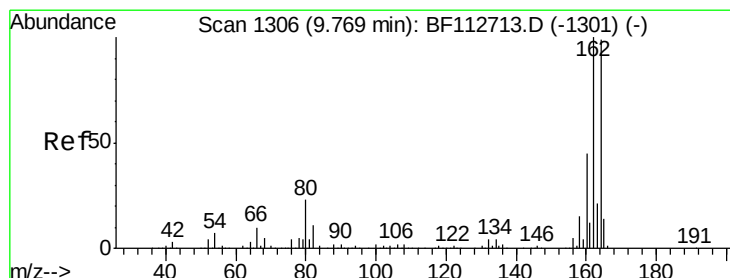
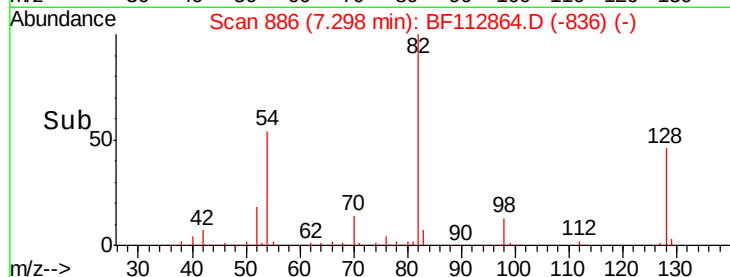
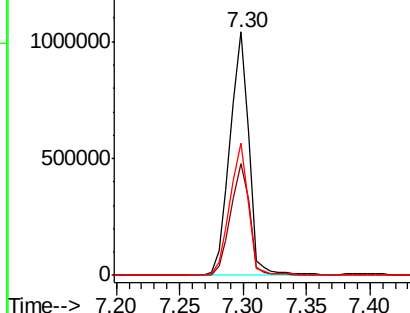
Tot Ion	82	Resp	1078664
Ion Ratio	100	Lower	Upper
128	45.9	36.3	54.5
54	54.4	43.7	65.5

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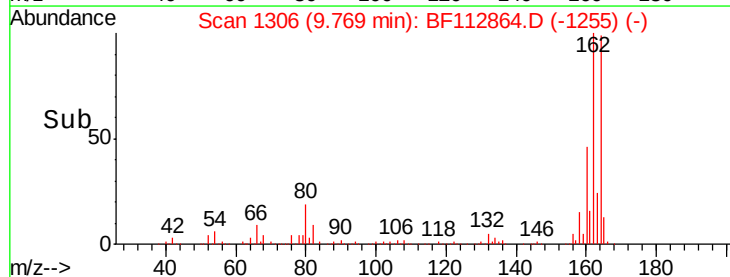
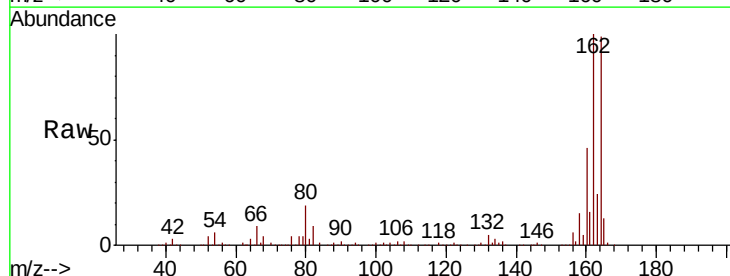
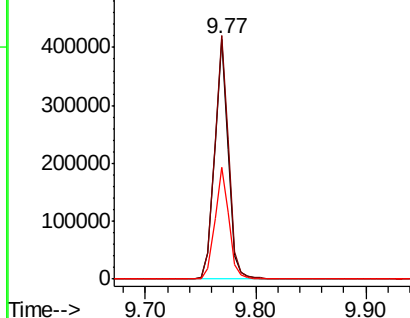
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

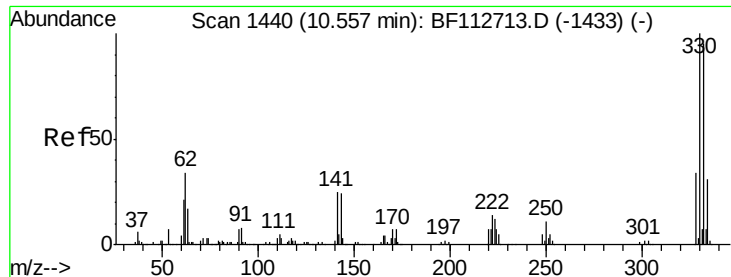


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Tgt Ion	164	Resp	349453
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	101.5	80.6	120.8
160	46.4	36.0	54.0

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 144.505 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

Instrument :

BNA_F

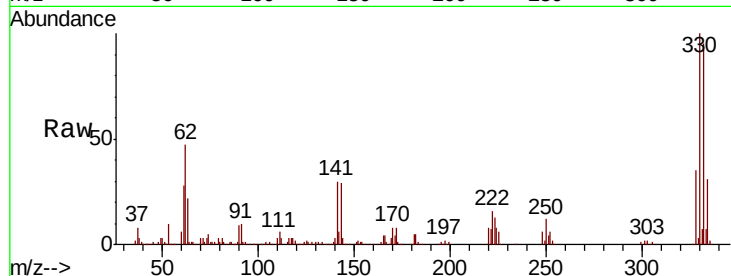
ClientSampleId :

EXT-027-SW011-022719

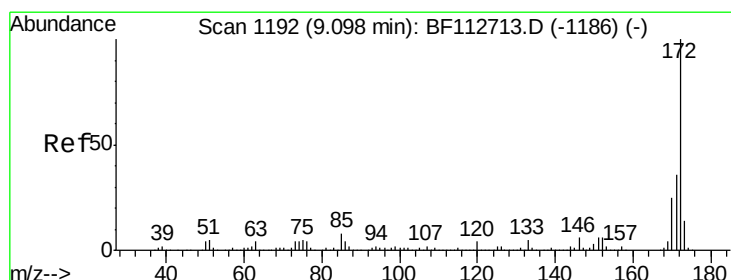
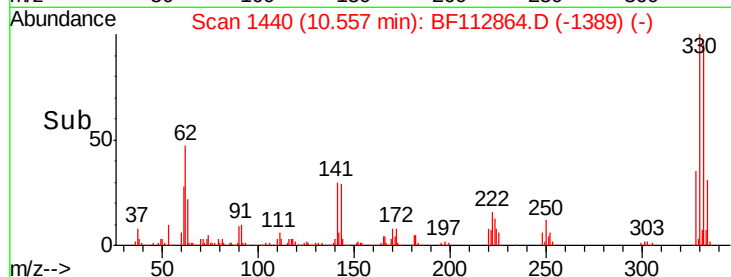
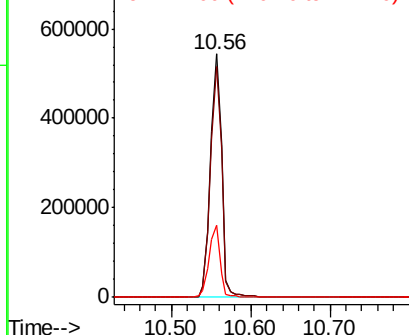
Tot Ion:	330	Resp:	536096
Ion Ratio	Lower	Upper	
330	100		
332	95.6	76.2	114.4
141	29.5	27.0	40.6

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 81.800 ng

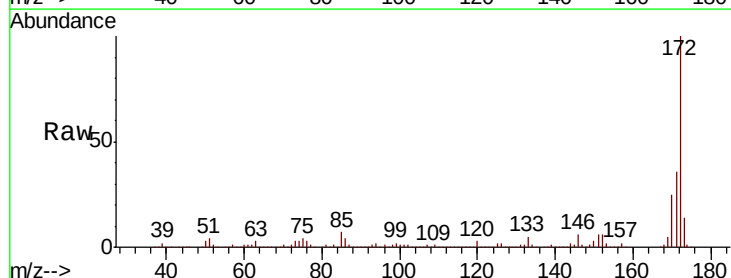
RT: 9.10 min Scan# 1192

Delta R.T. 0.00 min

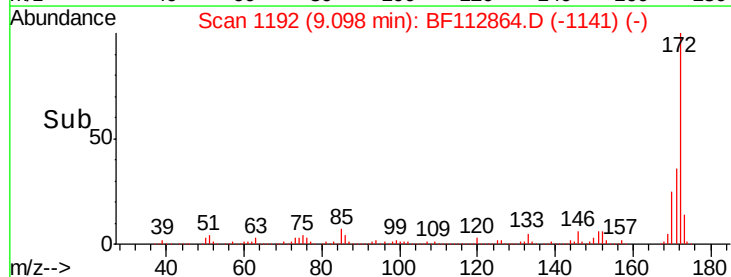
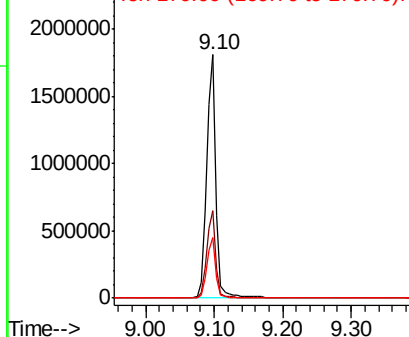
Lab File: BF112864.D

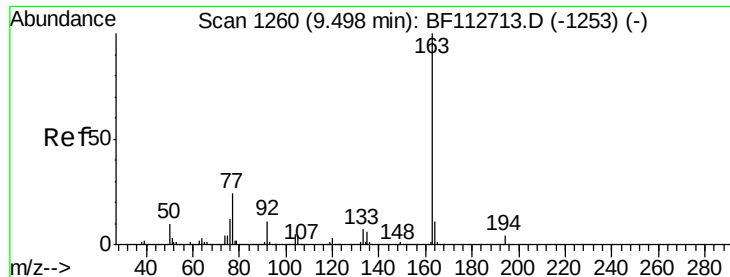
Acq: 5 Mar 2019 20:48

Tgt Ion:	172	Resp:	1742571
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.0	43.4
170	24.7	20.0	30.0



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.875 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

Instrument :

BNA_F

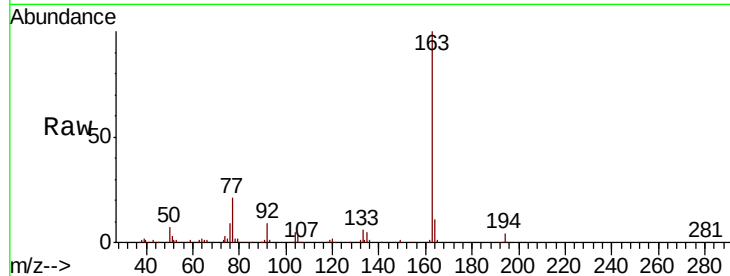
ClientSampleId :

EXT-027-SW011-022719

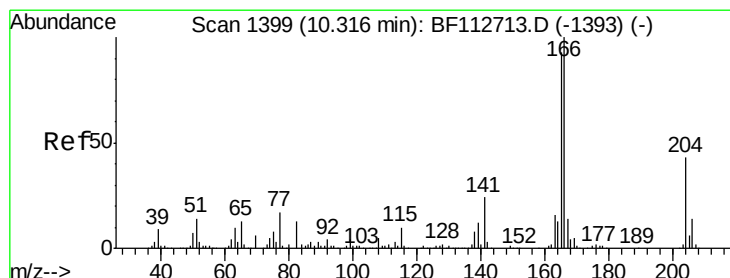
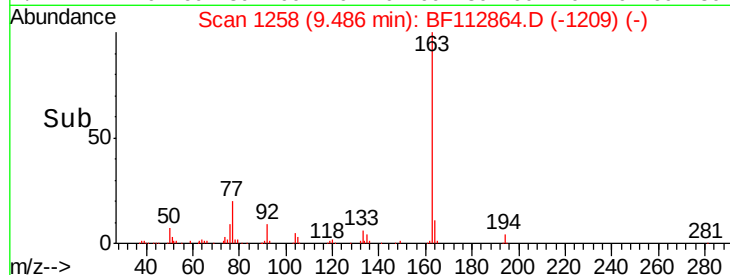
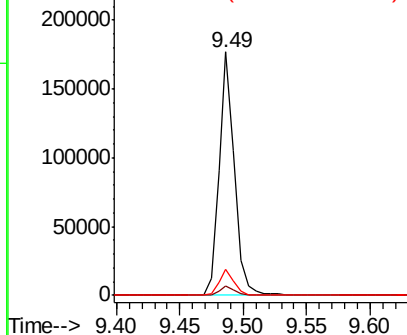
Tot Ion:	163	Resp:	151382
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.0	4.4
164	10.6	8.4	12.6

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#58

Fluorene

Concen: 2.091 ng

RT: 10.32 min Scan# 1399

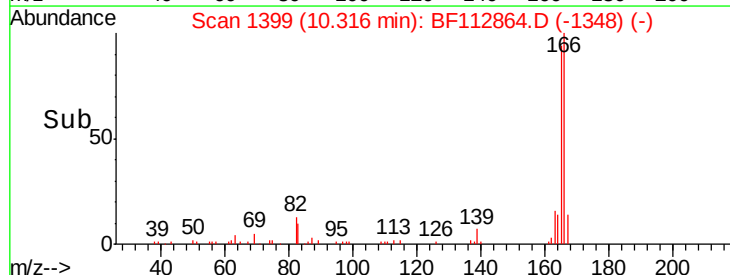
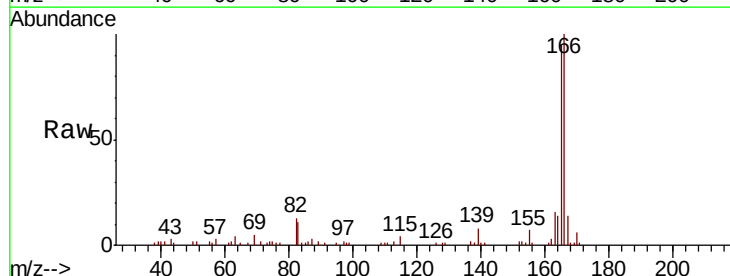
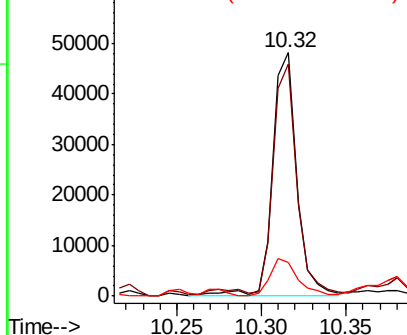
Delta R.T. 0.00 min

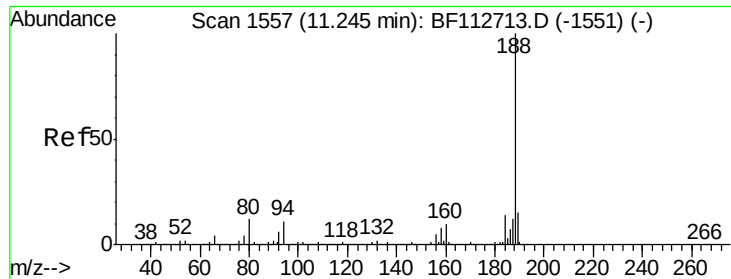
Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

Tgt Ion:	166	Resp:	47656
Ion Ratio	Lower	Upper	
166	100		
165	95.5	74.7	112.1
167	14.1	11.0	16.6

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





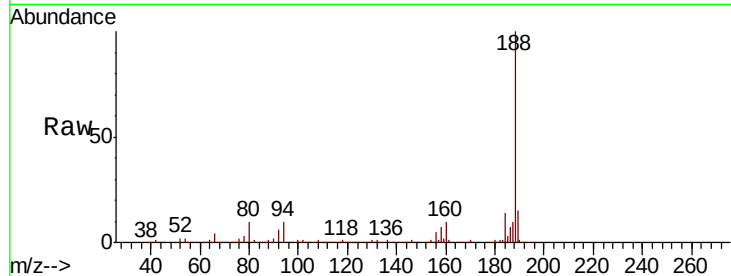
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

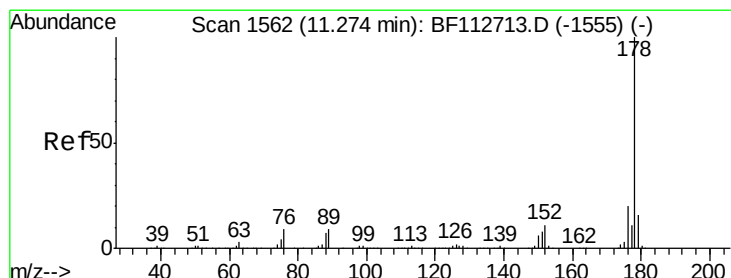
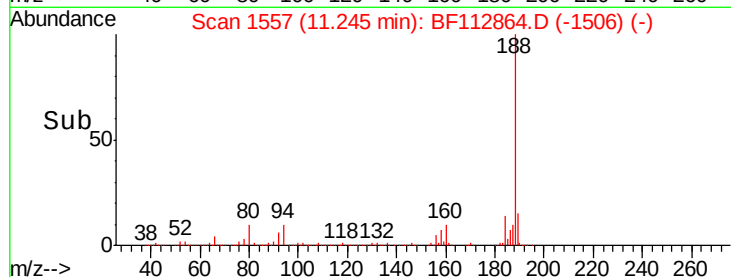
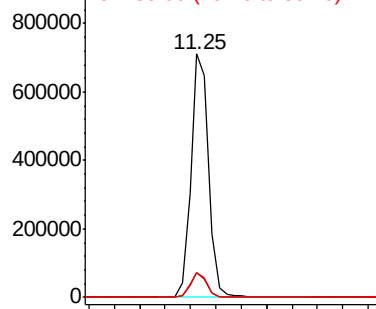
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.0	13.4
80	10.3	9.2	13.8

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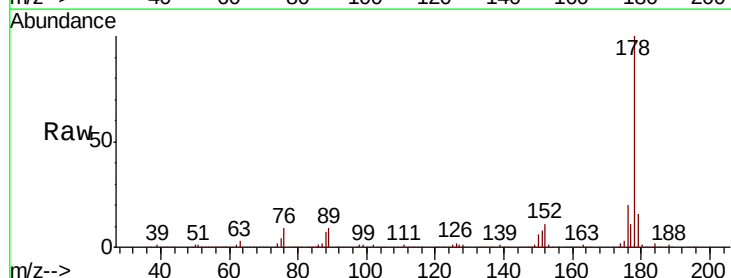


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

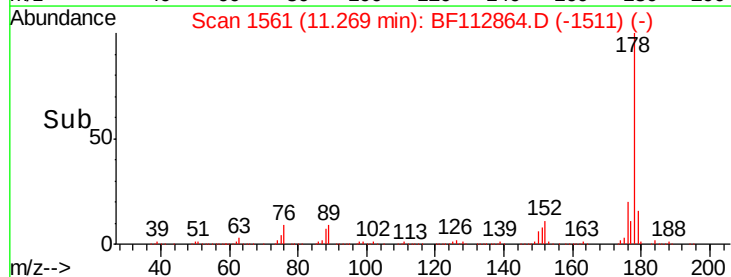
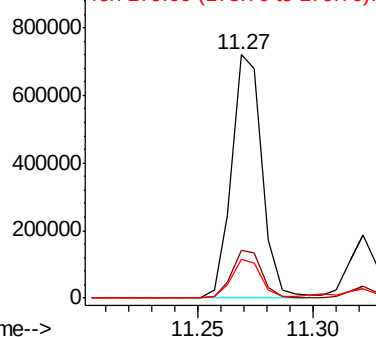


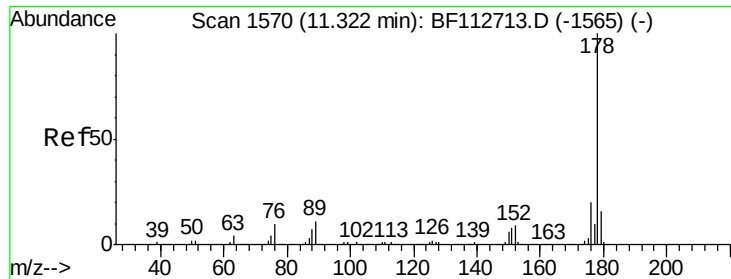
#71
Phenanthrene
Concen: 19.383 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.3	24.5
179	15.7	12.7	19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





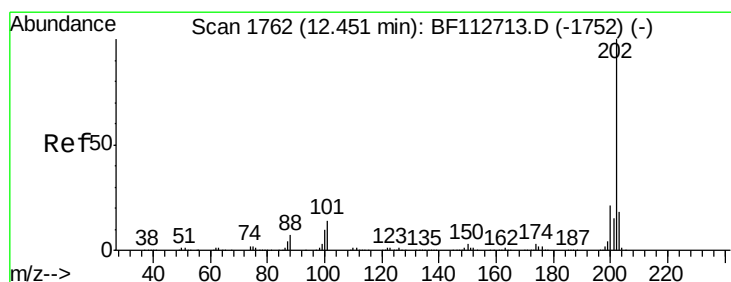
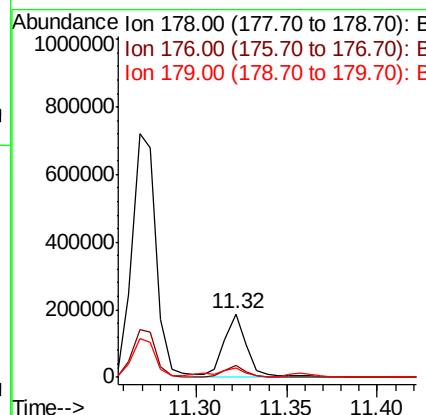
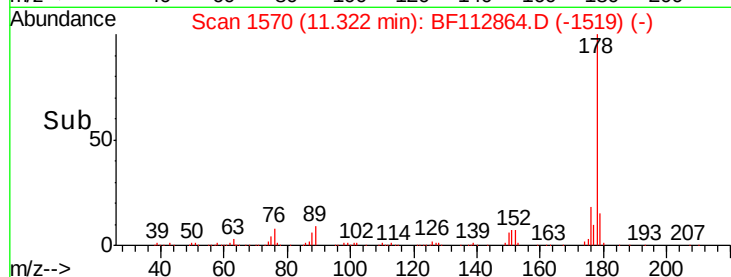
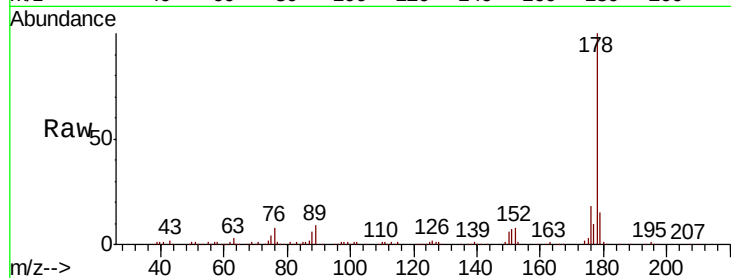
#72
 Anthracene
 Concen: 4.606 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF112864.D
 Acq: 5 Mar 2019 20:48

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW011-022719

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.6
179	15.3	13.0	19.6

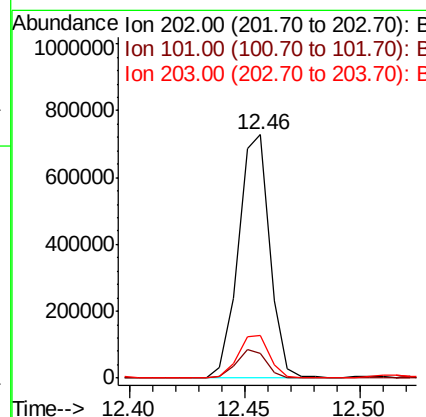
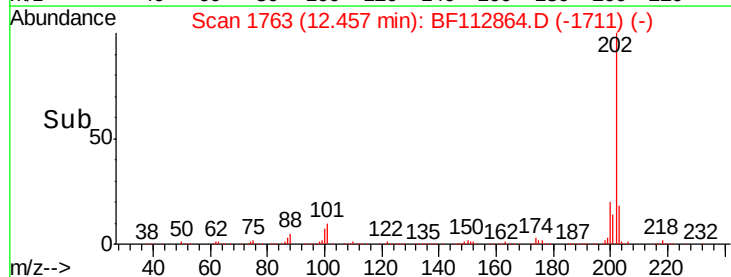
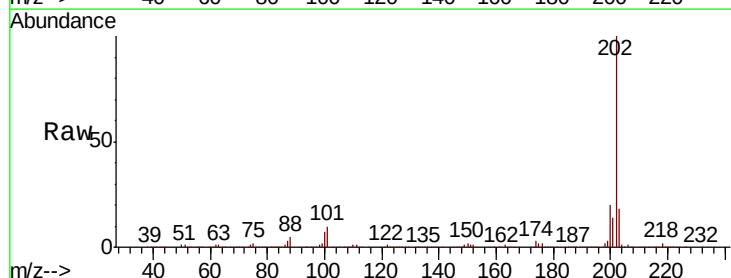
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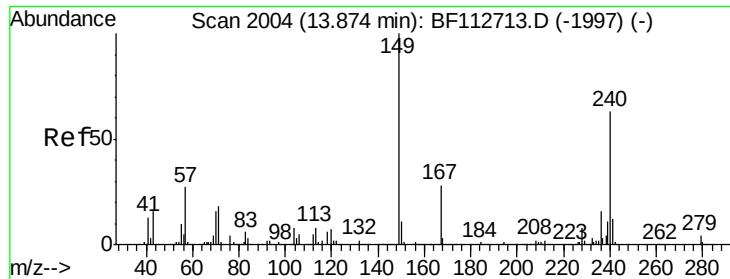
Sohil
 3/6/2019 12:24:35 PM



#75
 Fluoranthene
 Concen: 18.797 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF112864.D
 Acq: 5 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	33.8
203	17.5	0.0	38.4





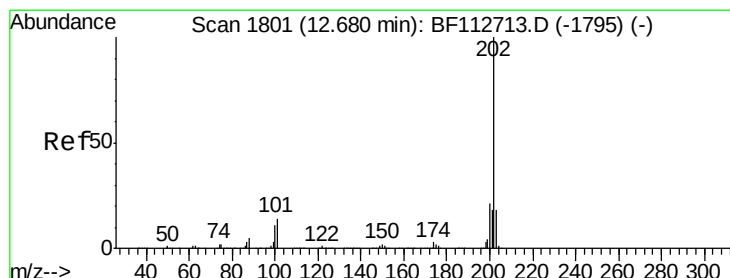
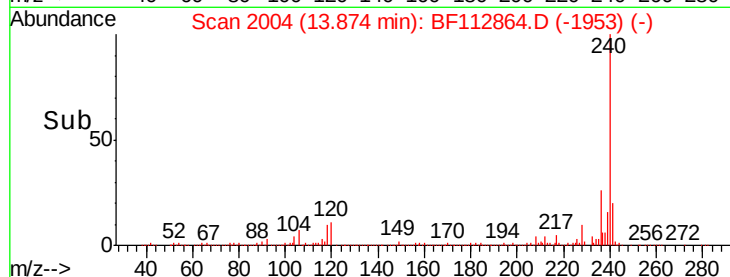
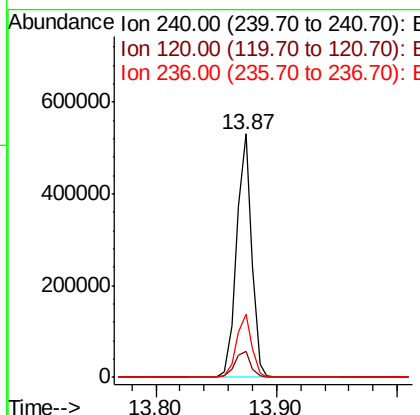
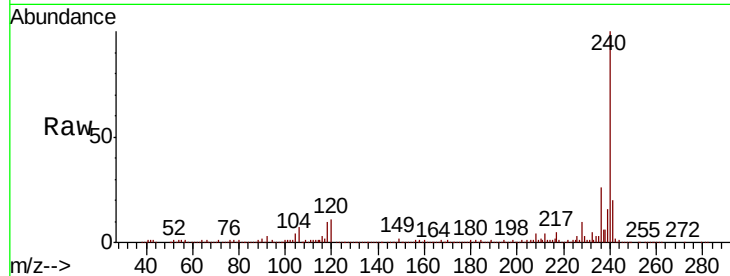
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.9	13.3
236	26.2	20.7	31.1

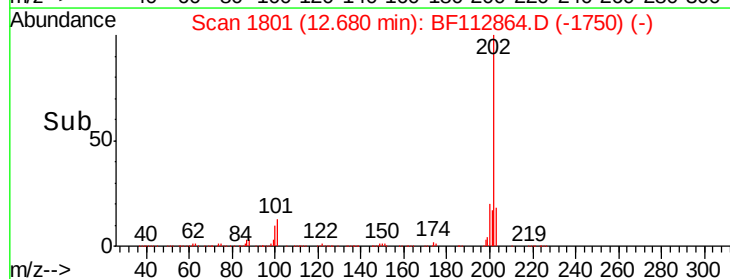
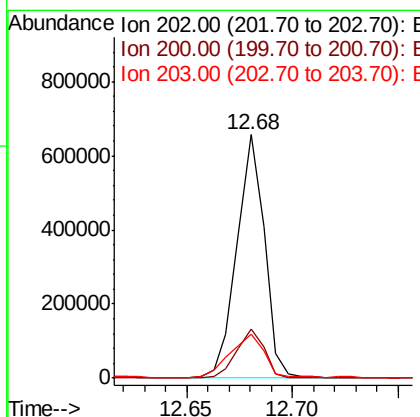
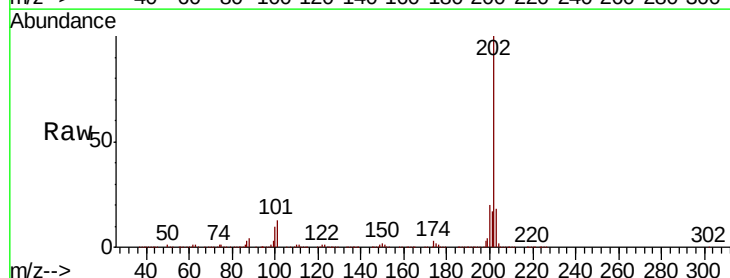
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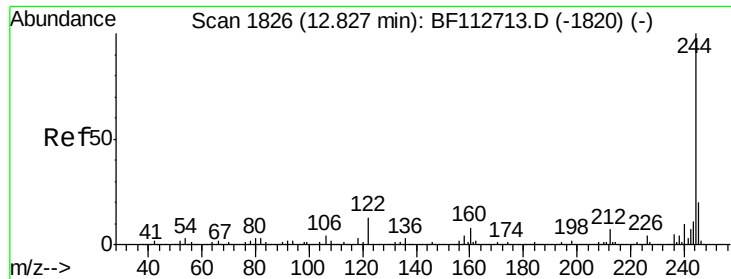
Sohil
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#78
Pyrene
Concen: 15.196 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.0	25.4
203	17.8	14.4	21.6





#79

Terphenyl-d14

Concen: 65.810 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719

Tot Ion:244 Resp: 1573306

Ion Ratio Lower Upper

244 100

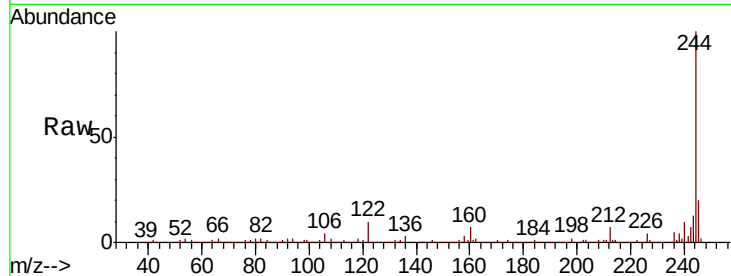
212 6.7 5.6 8.4

122 10.5 10.5 15.7

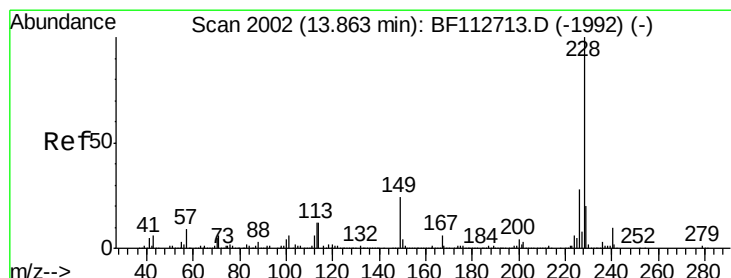
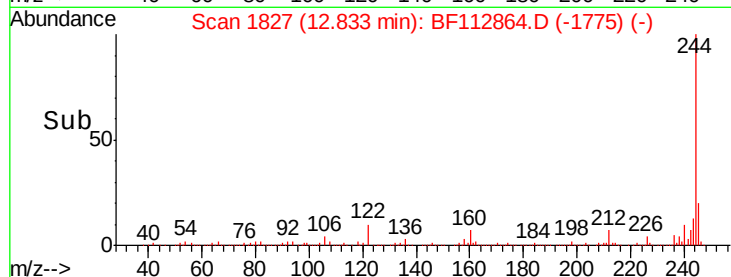
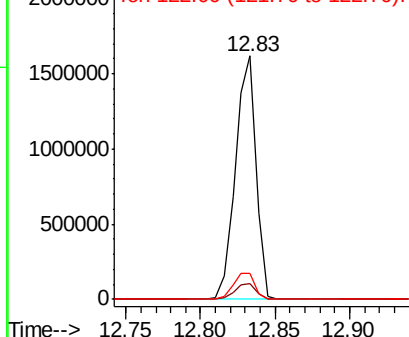
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 9.212 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

Tgt Ion:228 Resp: 295889

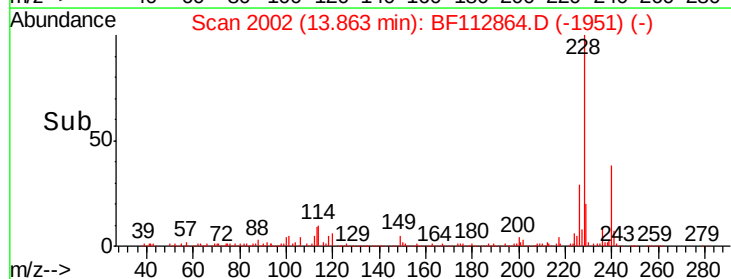
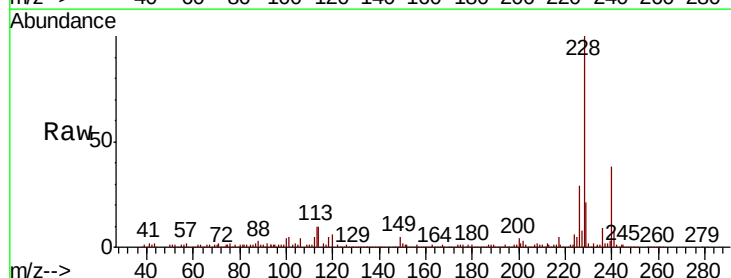
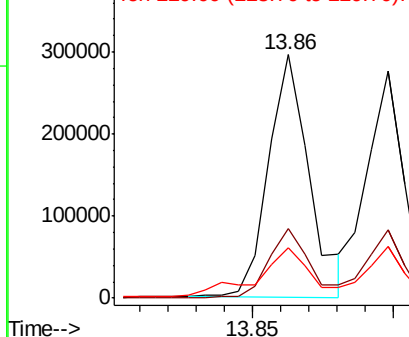
Ion Ratio Lower Upper

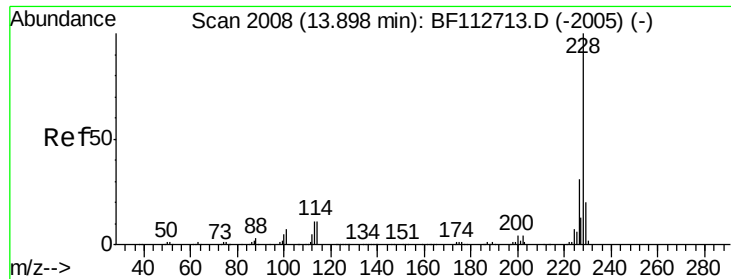
228 100

226 28.7 22.2 33.4

229 20.5 16.0 24.0

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





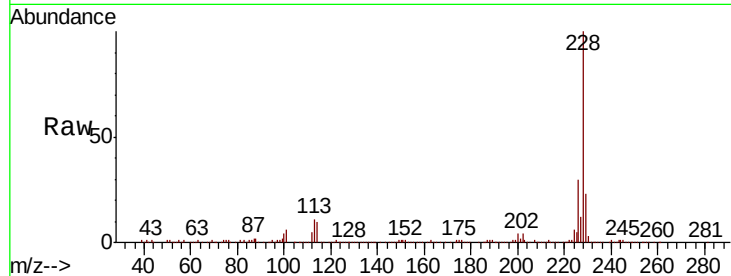
#83
Chrysene
Concen: 7.878 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.7	16.3	24.5

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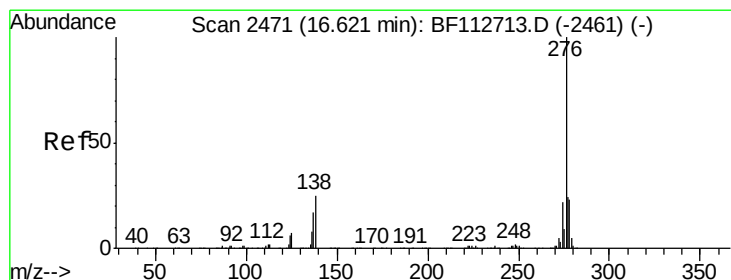
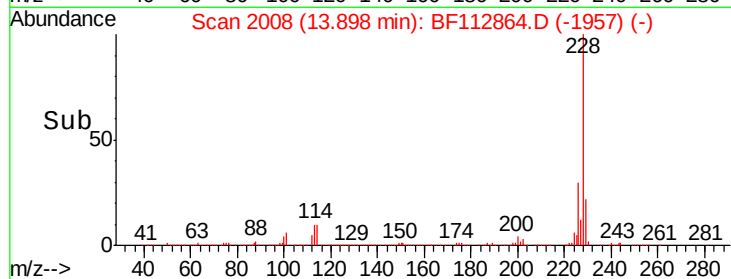
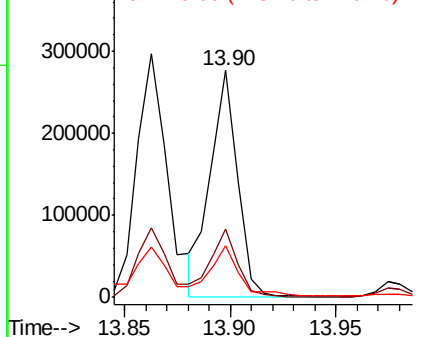


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.370 ng
RT: 16.64 min Scan# 2474
Delta R.T. 0.02 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

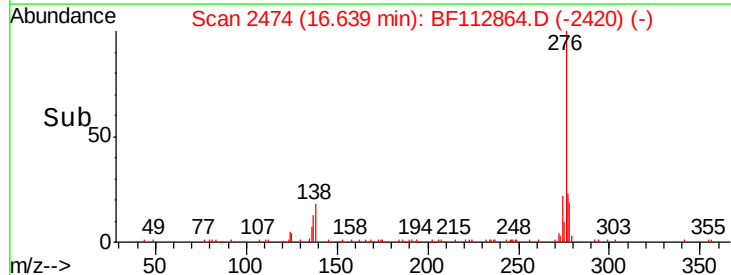
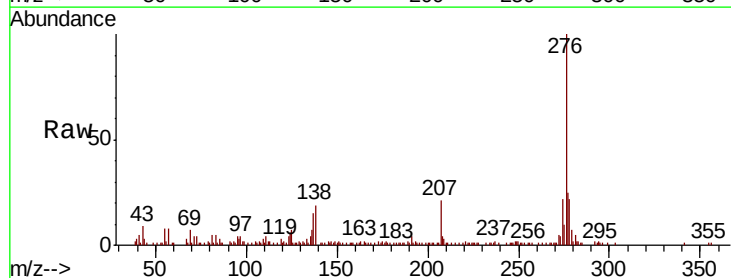
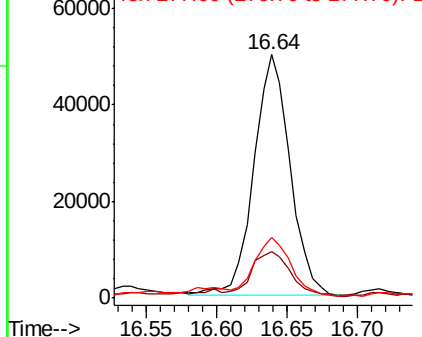
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.8	23.2	34.8#
277	23.7	19.9	29.9

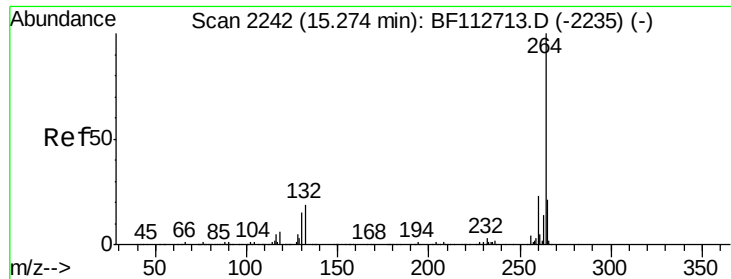
Abundance

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





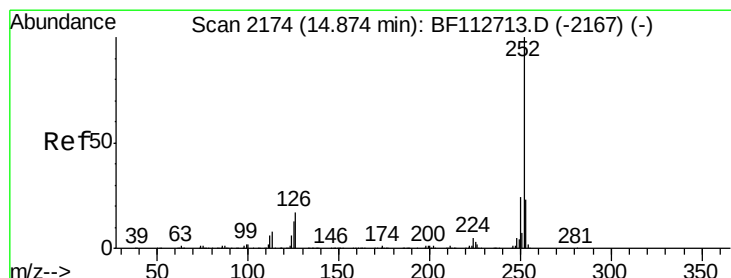
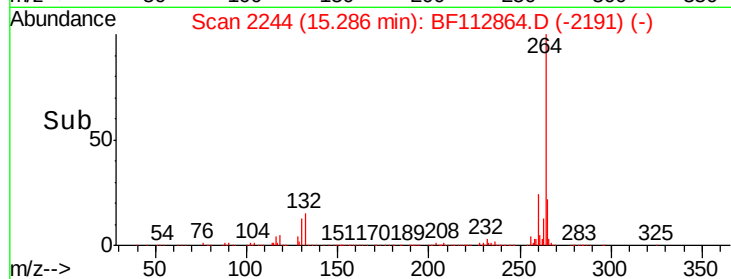
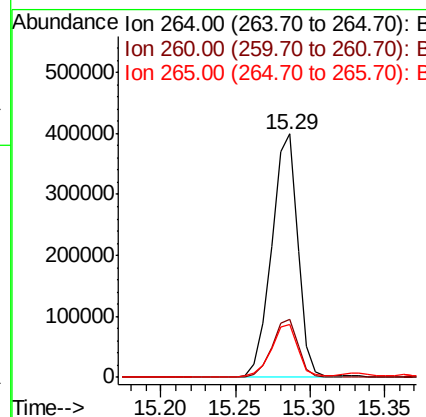
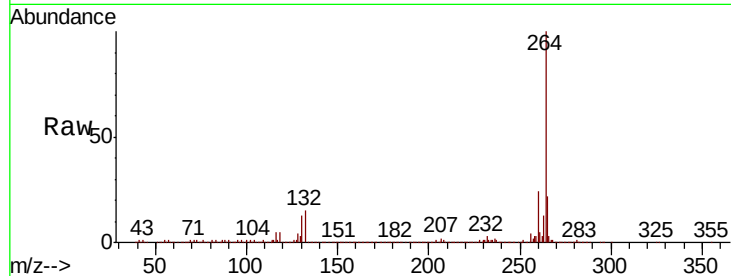
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.7	17.2	25.8

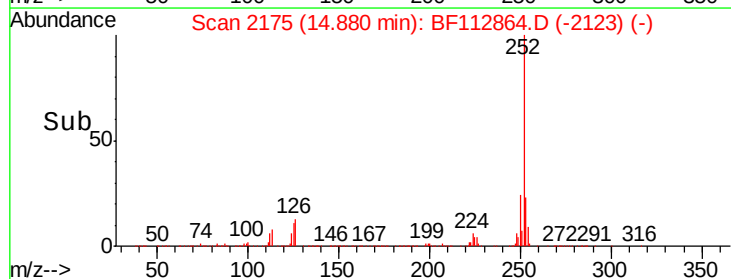
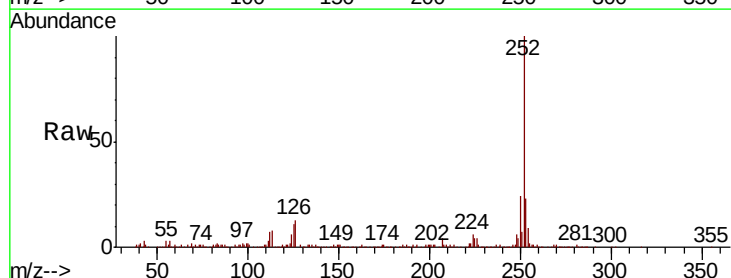
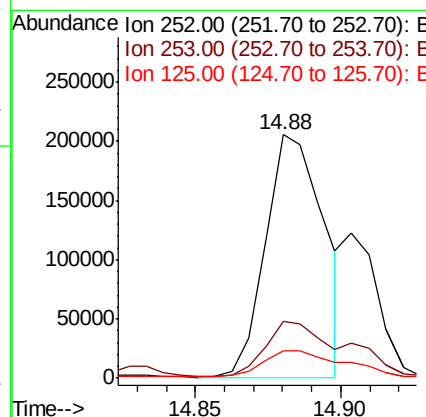
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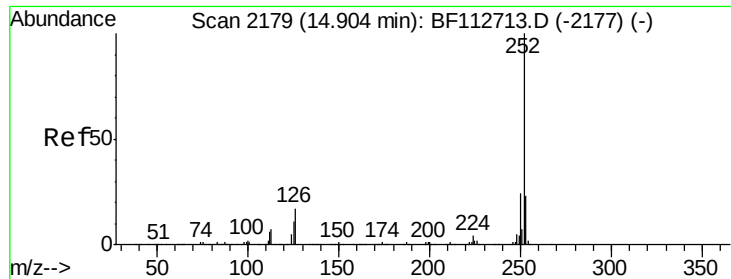
Sohil
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#88
Benzo(b)fluoranthene
Concen: 9.195 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	11.1	10.2	15.2





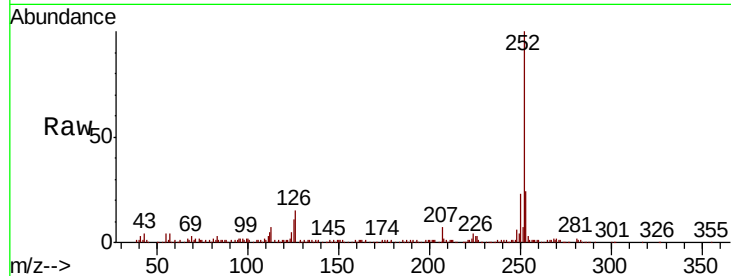
#89
Benzo(k)fluoranthene
Concen: 3.487 ng m
RT: 14.90 min Scan# 2179
Delta R.T. 0.00 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	10.7	9.8	14.6

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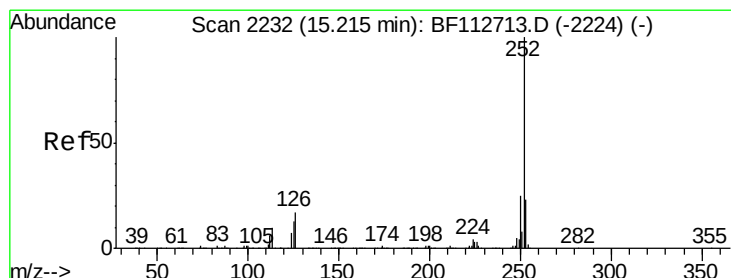
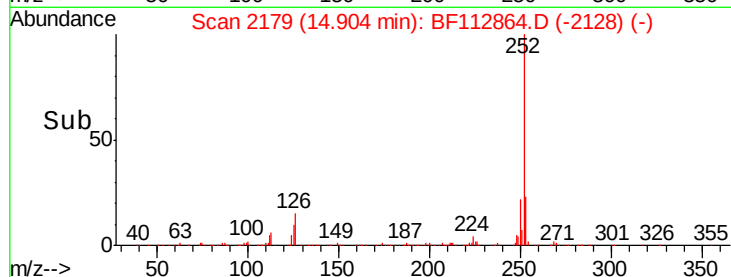
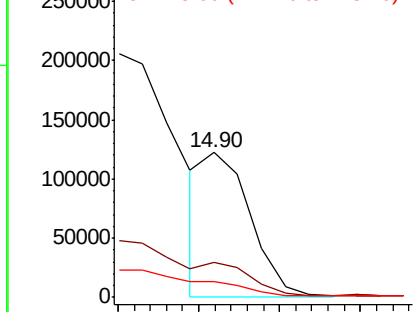


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 6.889 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

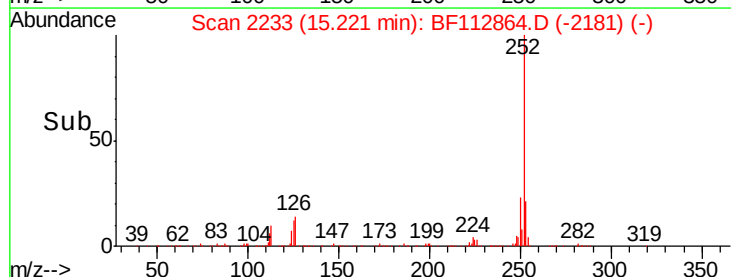
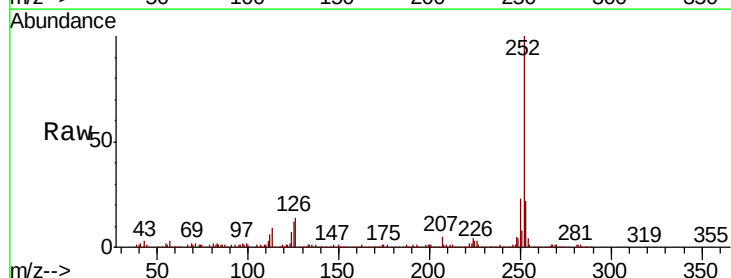
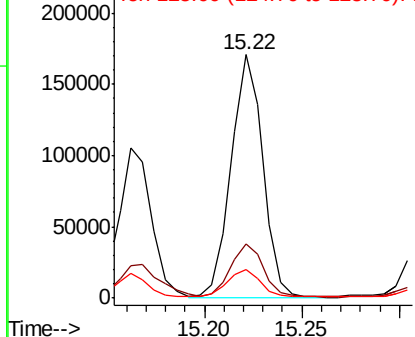
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	11.6	10.7	16.1

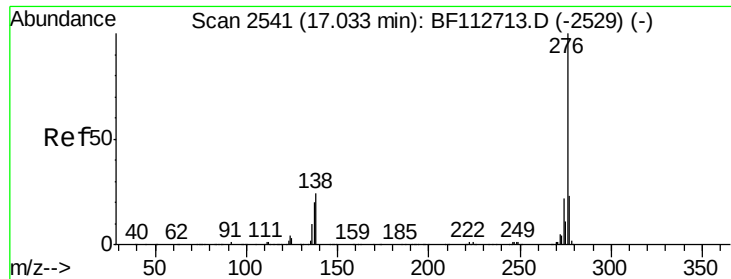
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 2.959 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. 0.01 min
 Lab File: BF112864.D
 Acq: 5 Mar 2019 20:48

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW011-022719

Tot Ion:	276	Resp:	70464
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.6	27.8
138	21.6	19.4	29.0

Manual Integrations
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