

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
 Data File : BF112876.D
 Acq On : 6 Mar 2019 2:28
 Operator : JU/SJ
 Sample : K1705-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW014-022719

Manual Integrations
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Sohil
 3/6/2019 12:24:50 PM

Quant Time: Mar 06 04:28:06 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	167800	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	606017	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	250765	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	461719	20.00	ng	0.00
76) Chrysene-d12	13.87	240	447033	20.00	ng	0.00
87) Perylene-d12	15.29	264	306138	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	883917	81.94	ng	0.00
7) Phenol-d6	6.37	99	1144037	84.43	ng	0.00
23) Nitrobenzene-d5	7.30	82	698079	68.93	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	281373	105.69	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1136568	72.16	ng	0.00
79) Terphenyl-d14	12.83	244	1078533	46.77	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.49	163	54552	2.950	ng	99
71) Phenanthrene	11.27	178	83691	3.643	ng	99
75) Fluoranthene	12.46	202	117896	4.790	ng	96
78) Pyrene	12.68	202	126692	3.362	ng	99
81) Benzo(a)anthracene	13.86	228	64650m	2.087	ng	
83) Chrysene	13.90	228	68259	2.249	ng	96
88) Benzo(b)fluoranthene	14.89	252	57995m	2.929	ng	
90) Benzo(a)pyrene	15.23	252	36783	2.100	ng	# 94

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

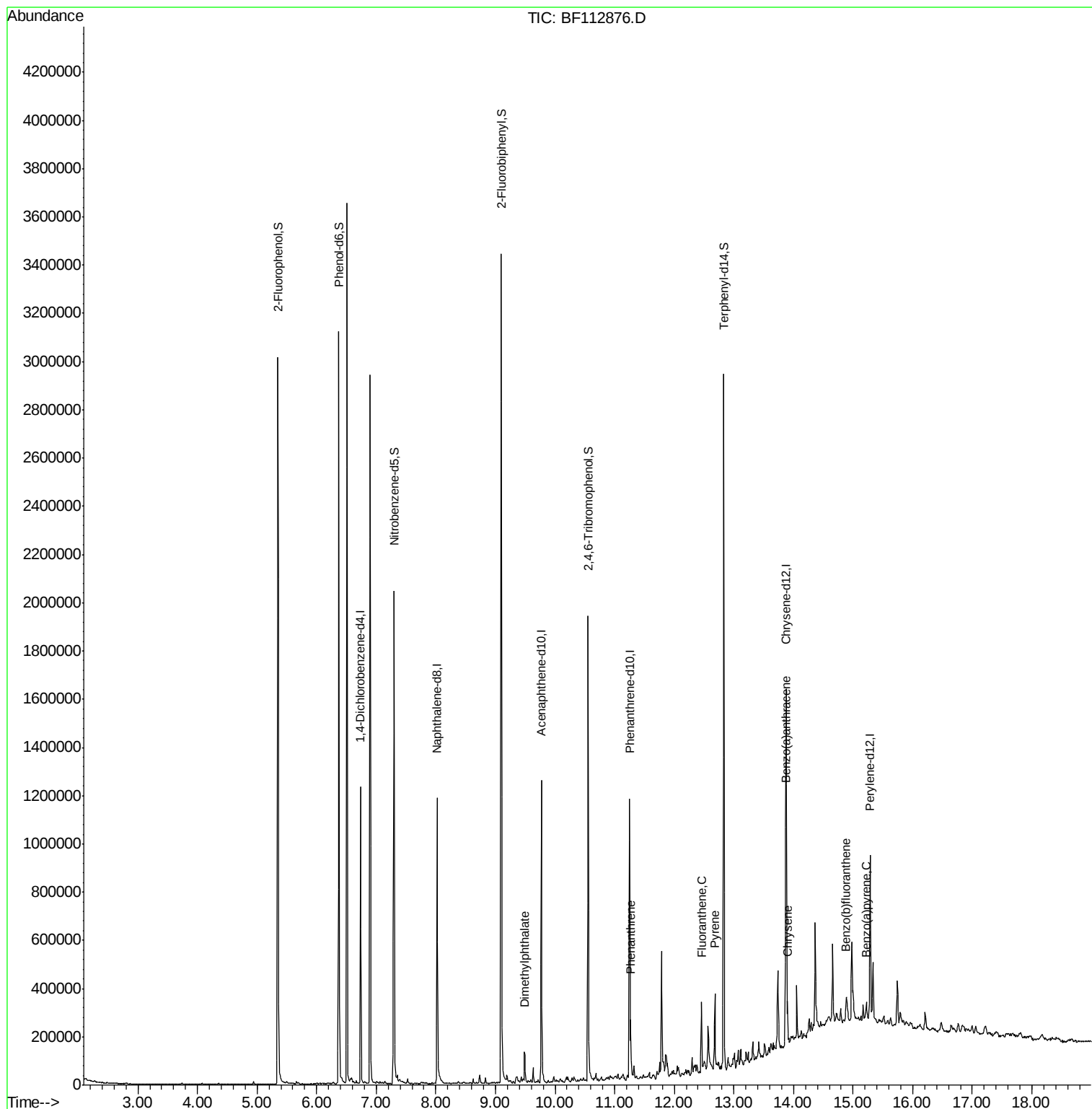
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112876.D
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Operator : JU/SJ
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Misc :
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#1

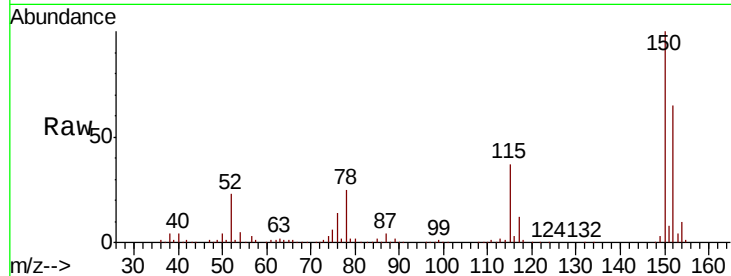
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.2	186.2
115	57.0	48.2	72.4

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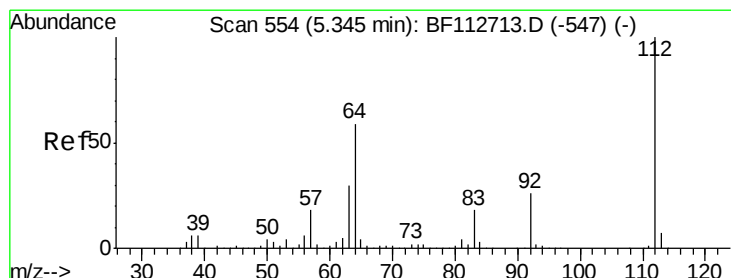
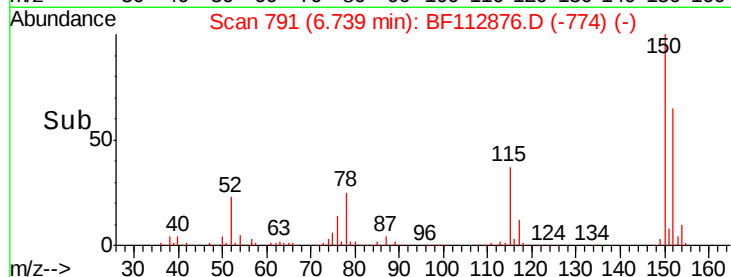
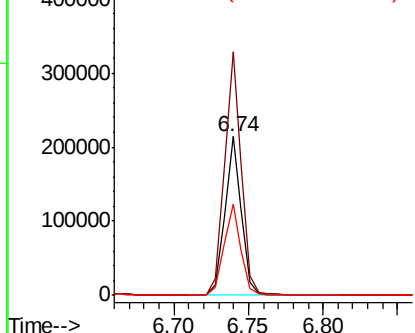


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

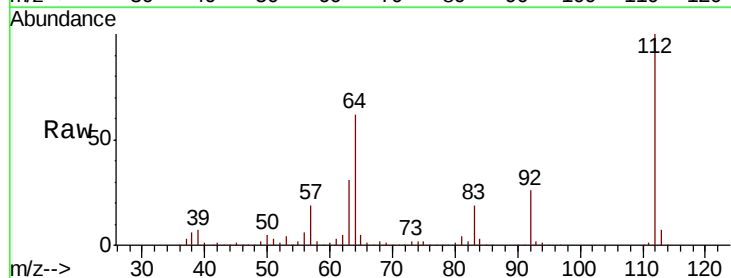
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 81.941 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	47.6	71.4
63	31.5	24.4	36.6

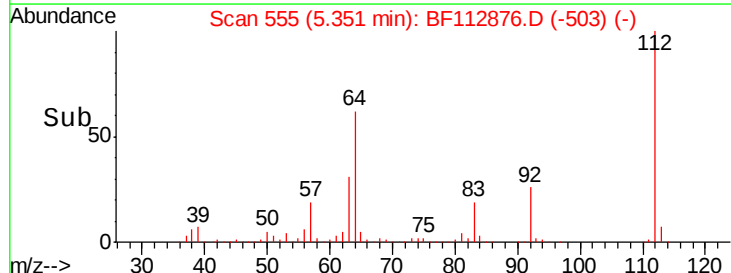
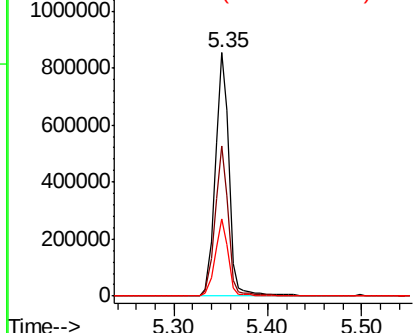


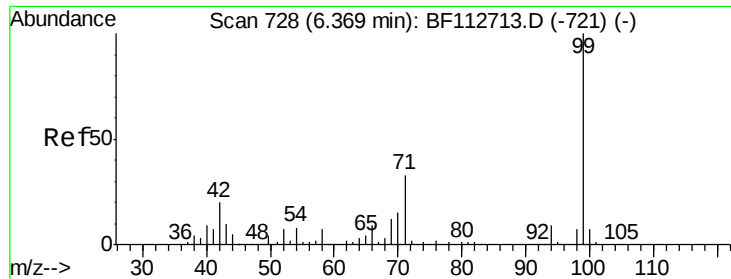
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 84.427 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112876.D

Acq: 6 Mar 2019 2:28

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW014-022719

Tot Ion: 99 Resp: 1144037

Ion Ratio Lower Upper

99 100

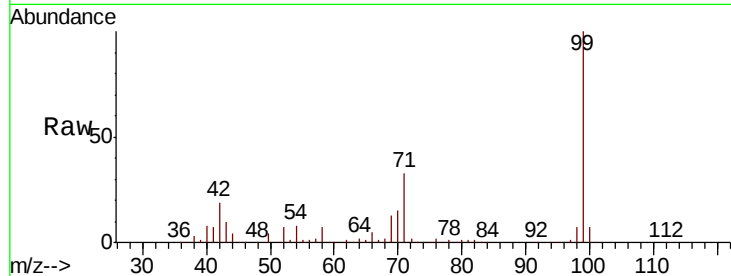
42 19.5 16.3 24.5

71 33.3 26.2 39.4

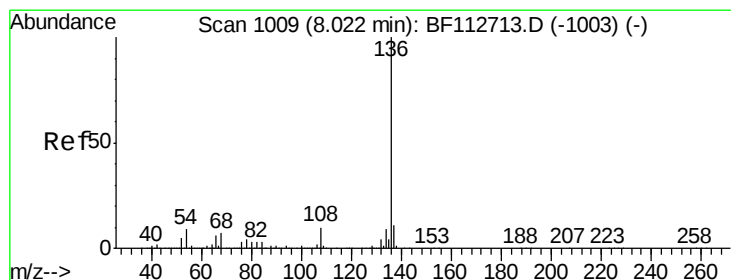
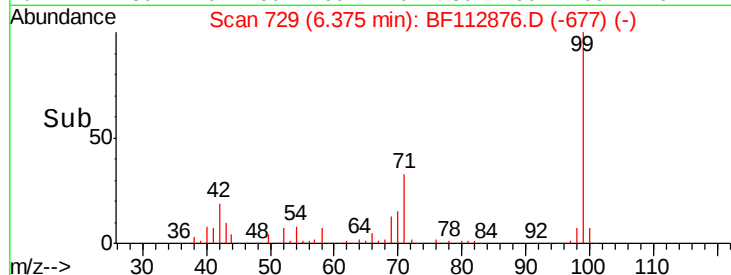
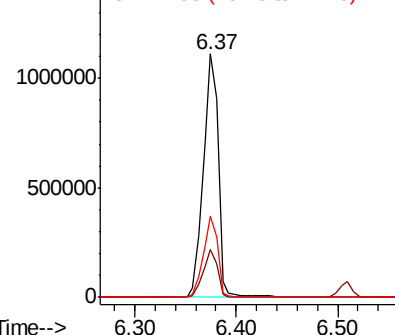
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Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF112876.D

Acq: 6 Mar 2019 2:28

Tgt Ion: 136 Resp: 606017

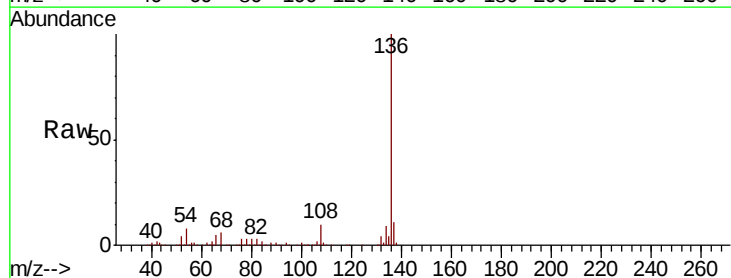
Ion Ratio Lower Upper

136 100

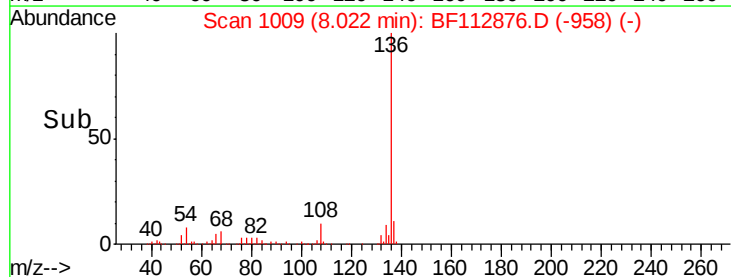
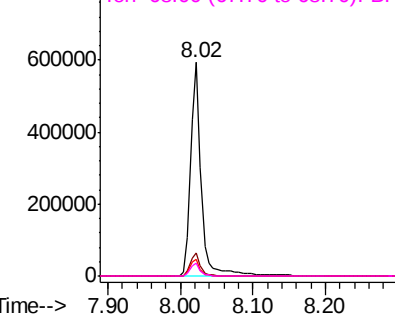
137 10.8 8.9 13.3

54 7.9 7.3 10.9

68 5.8 5.4 8.2



Abundance Ion 136.00 (135.70 to 136.70): E
800000
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





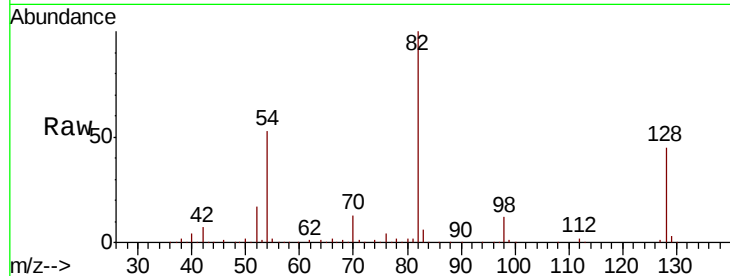
#23
Nitrobenzene-d5
Concen: 68.928 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

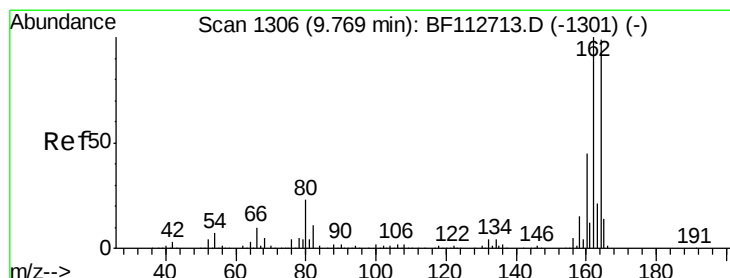
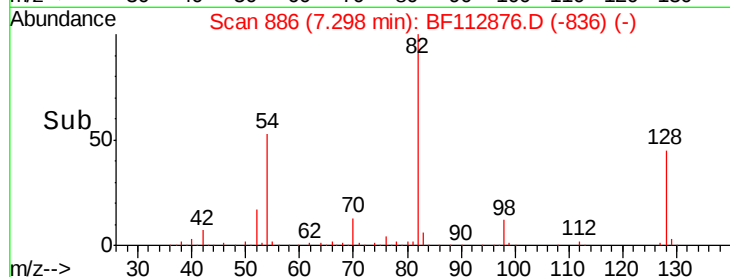
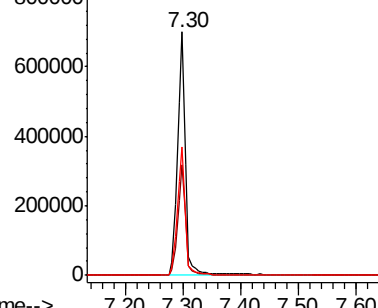
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.3	54.5
54	52.9	43.7	65.5

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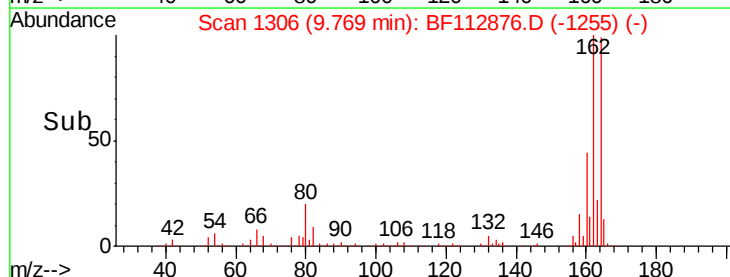
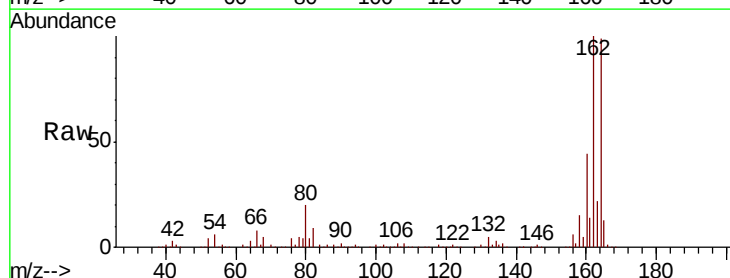
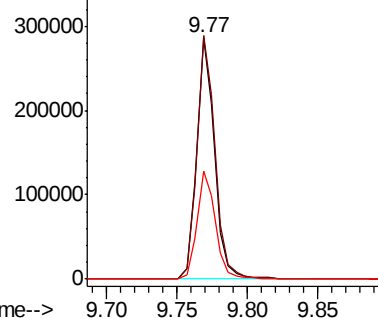
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	120.8
160	44.6	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





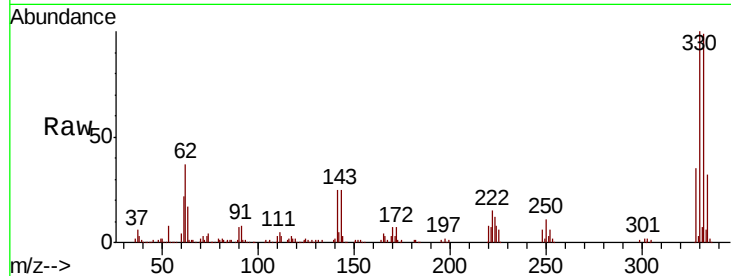
#42
 2,4,6-Tribromophenol
 Concen: 105.693 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF112876.D
 Acq: 6 Mar 2019 2:28

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW014-022719

Tot Ion	Ratio	Resp	Lower	Upper
330	100	281373		
332	97.3	76.2	114.4	
141	29.3	27.0	40.6	

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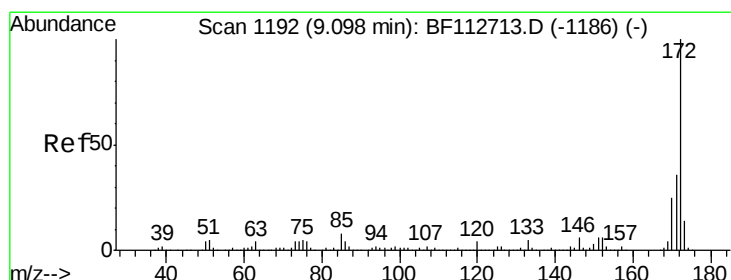
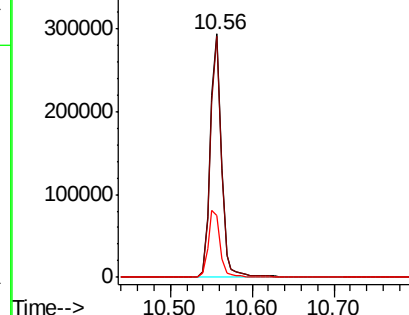
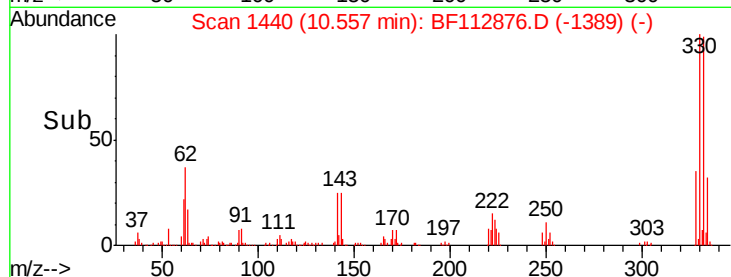


Abundance

Ion 329.80 (329.50 to 330.50): E

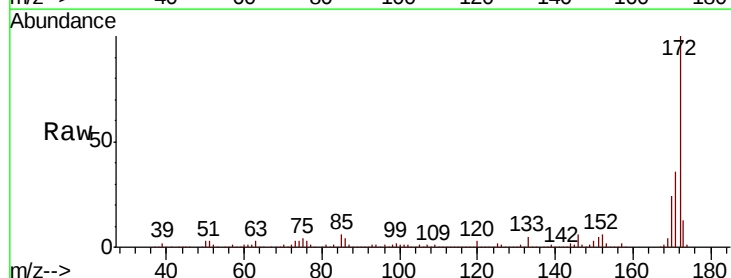
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 72.161 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112876.D
 Acq: 6 Mar 2019 2:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1136568		
171	35.6	29.0	43.4	
170	24.1	20.0	30.0	

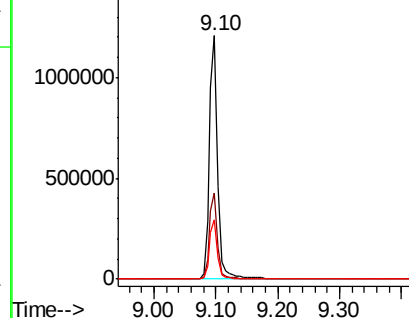
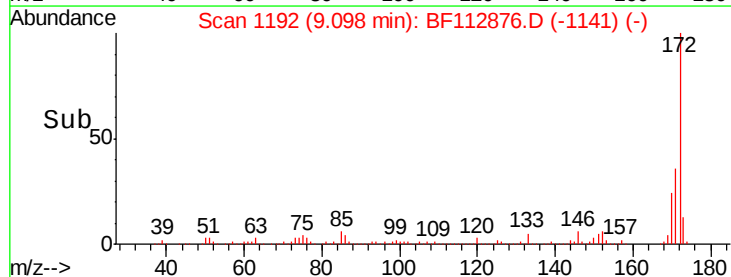


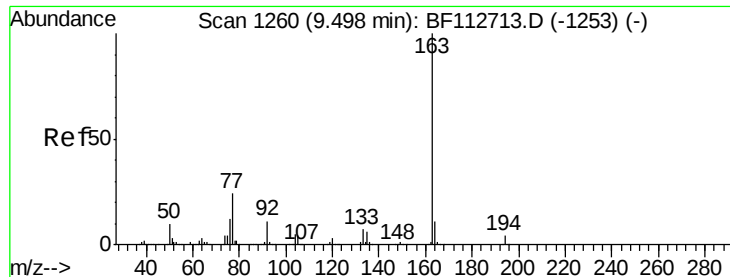
Abundance

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: 2.950 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF112876.D

Acq: 6 Mar 2019 2:28

Instrument :

BNA_F

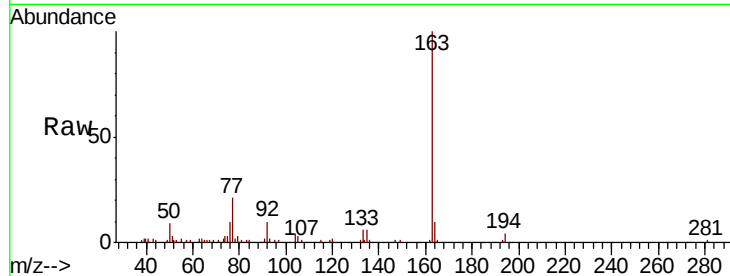
ClientSampleId :

EXT-027-SW014-022719

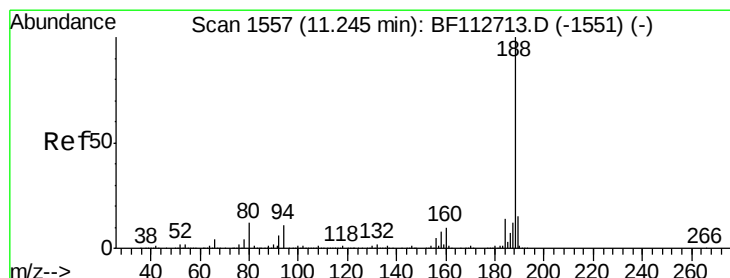
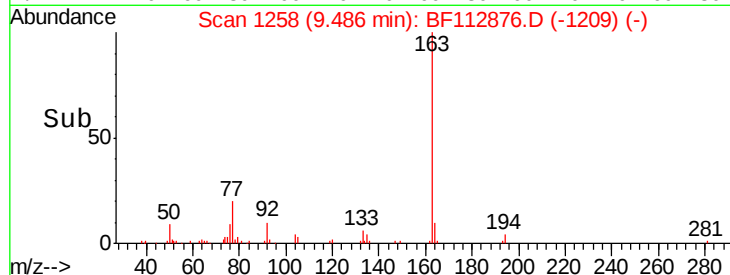
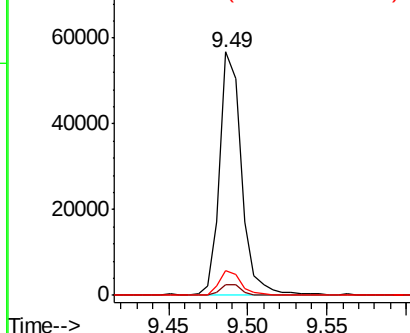
Tot Ion:	163	Resp:	54552
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.0	4.4
164	10.4	8.4	12.6

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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



#64

Phenanthrene-d10

Concen: 20.000 ng

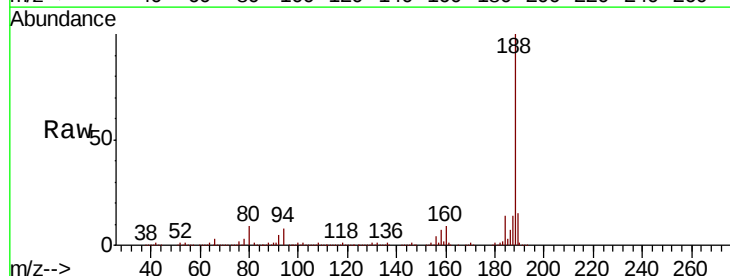
RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

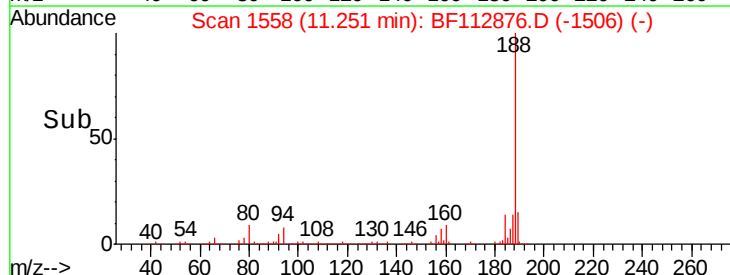
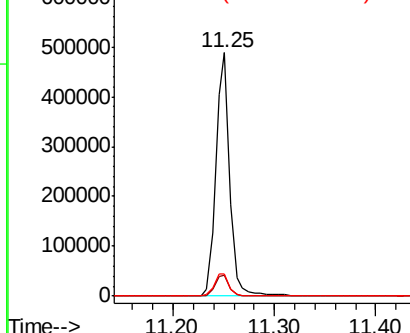
Lab File: BF112876.D

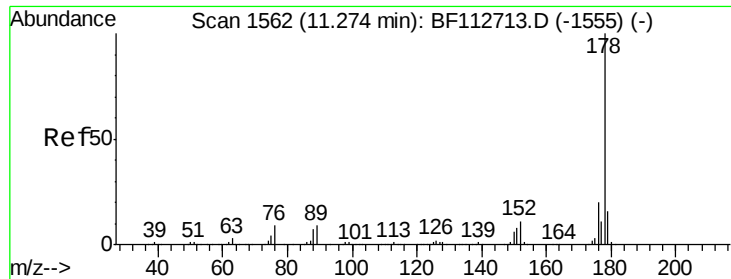
Acq: 6 Mar 2019 2:28

Tgt Ion:	188	Resp:	461719
Ion Ratio	Lower	Upper	
188	100		
94	8.3	9.0	13.4#
80	9.1	9.2	13.8#



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





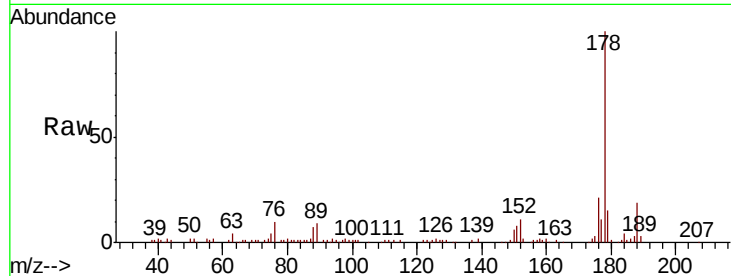
#71
Phenanthrene
Concen: 3.643 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.0	16.3	24.5
179	15.5	12.7	19.1

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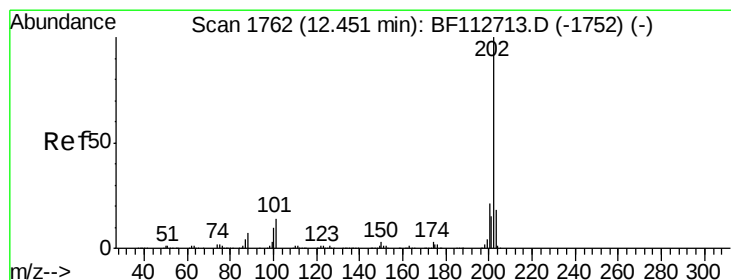
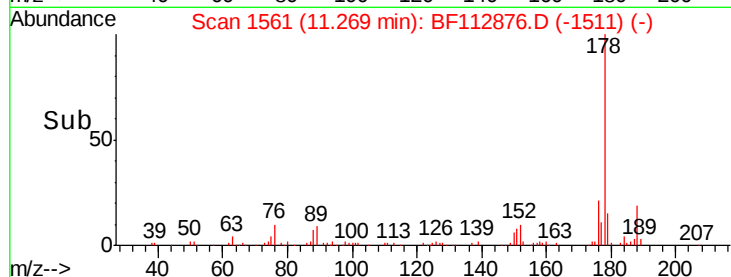
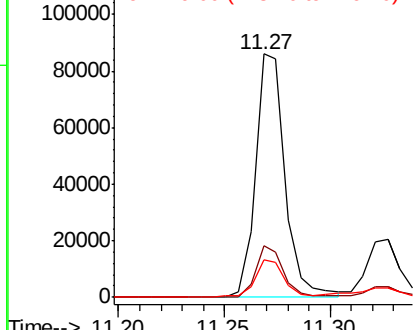


Abundance

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



#75
Fluoranthene
Concen: 4.790 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.01 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

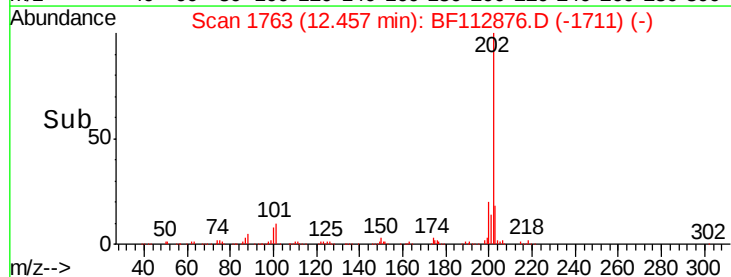
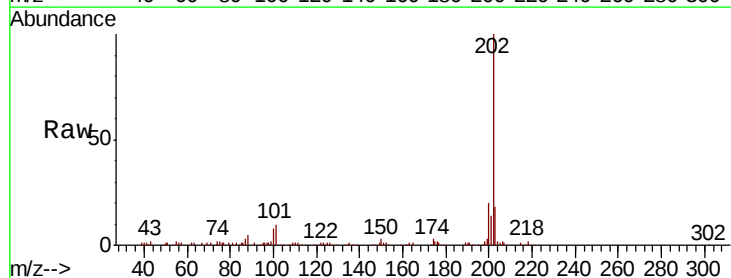
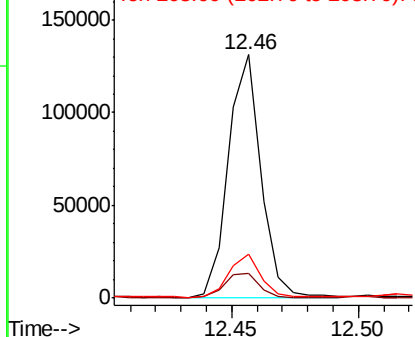
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	33.8
203	18.1	0.0	38.4

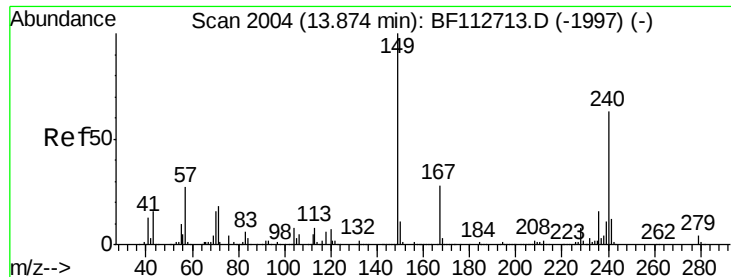
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF112876.D

Acq: 6 Mar 2019 2:28

Instrument :

BNA_F

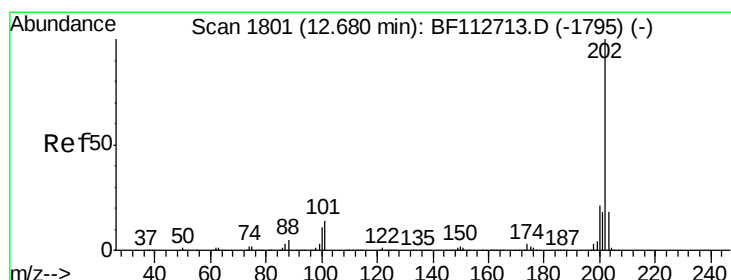
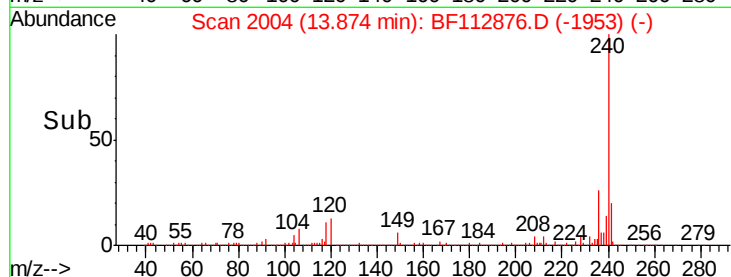
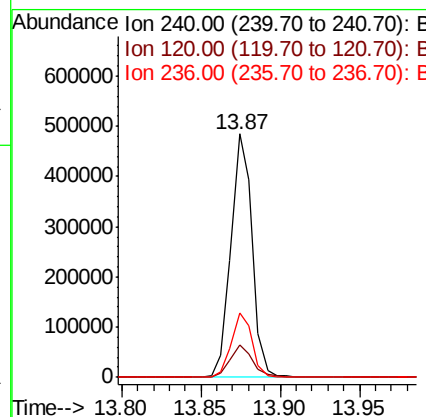
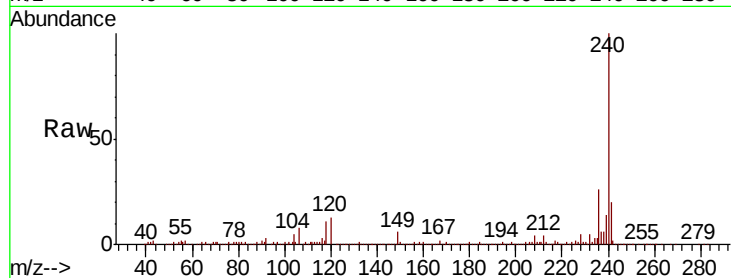
ClientSampleId :

EXT-027-SW014-022719

Tot Ion:	240	Resp:	447033
Ion Ratio	Lower	Upper	
240	100		
120	13.2	8.9	13.3
236	26.4	20.7	31.1

Manual Integrations
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#78

Pyrene

Concen: 3.362 ng

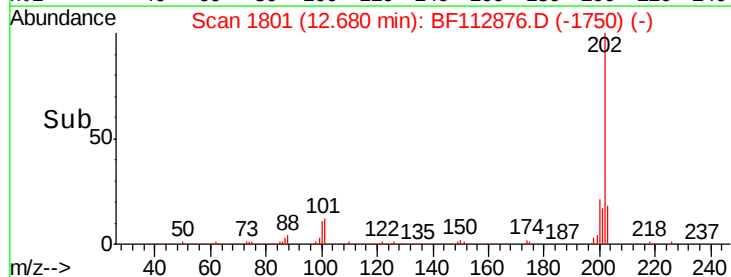
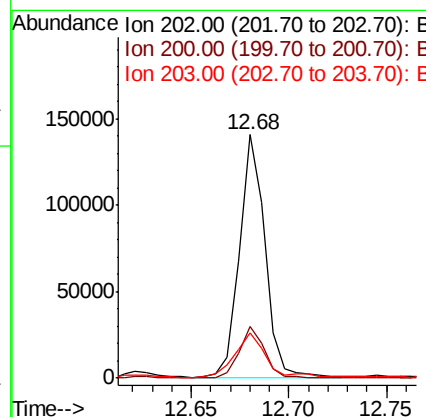
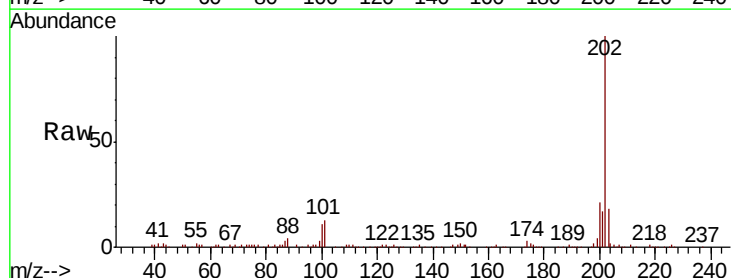
RT: 12.68 min Scan# 1801

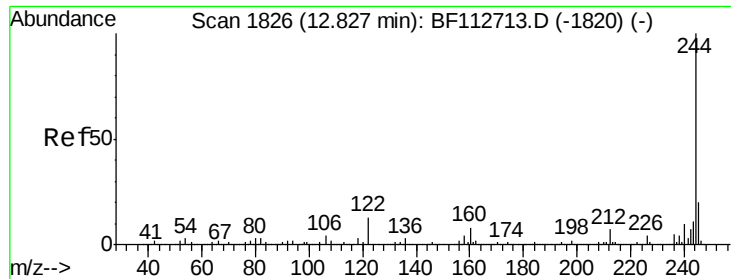
Delta R.T. -0.00 min

Lab File: BF112876.D

Acq: 6 Mar 2019 2:28

Tgt Ion:	202	Resp:	126692
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.0	25.4
203	18.4	14.4	21.6





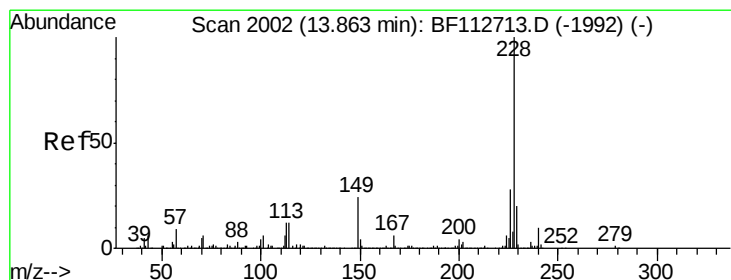
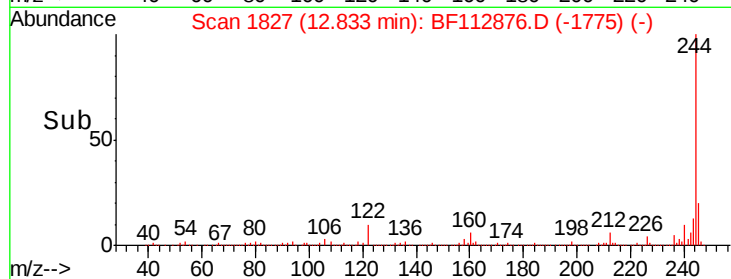
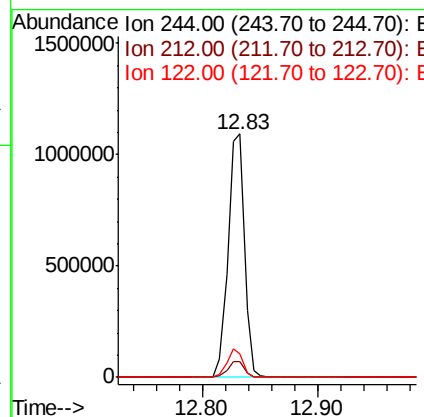
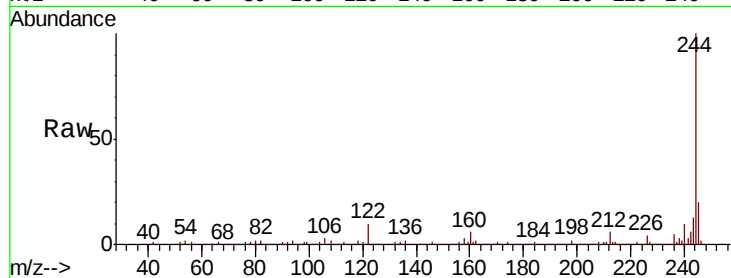
#79
 Terphenyl-d14
 Concen: 46.769 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF112876.D
 Acq: 6 Mar 2019 2:28

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW014-022719

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.6	8.4
122	9.7	10.5	15.7

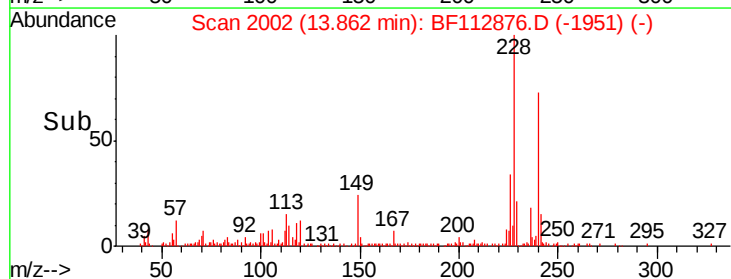
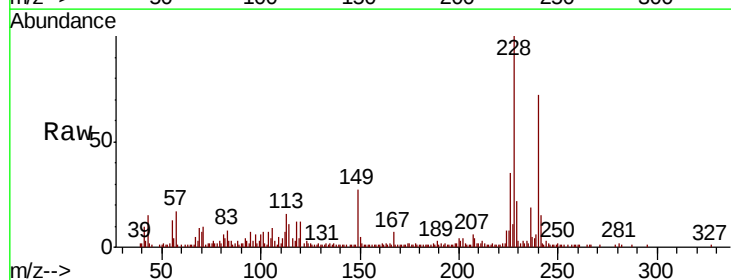
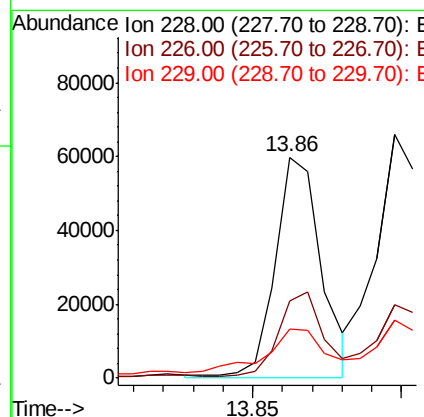
Manual Integrations
 APPROVED

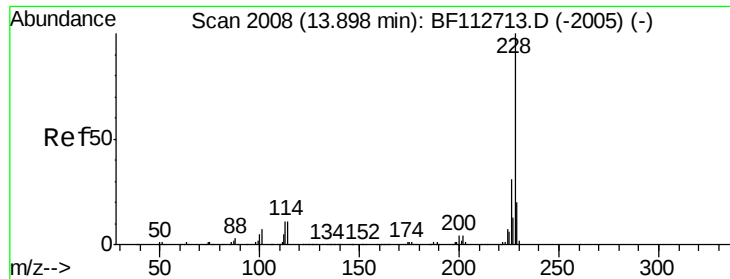
Sohil
 3/6/2019 12:24:50 PM



#81
 Benzo(a)anthracene
 Concen: 2.087 ng m
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: BF112876.D
 Acq: 6 Mar 2019 2:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.8	22.2	33.4
229	22.3	16.0	24.0





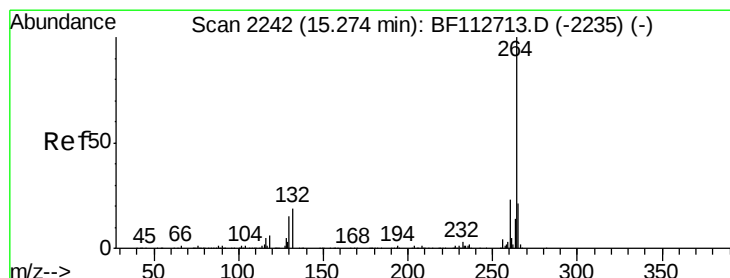
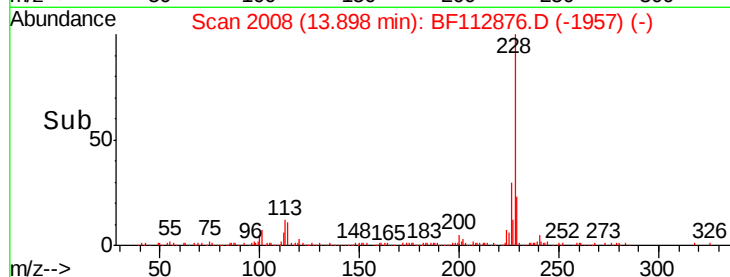
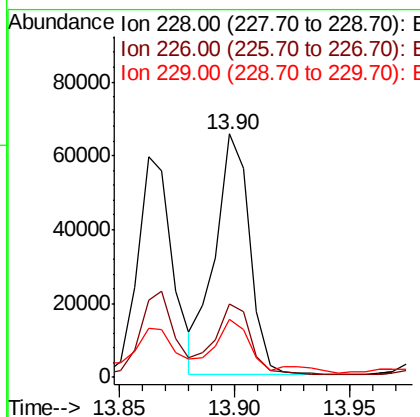
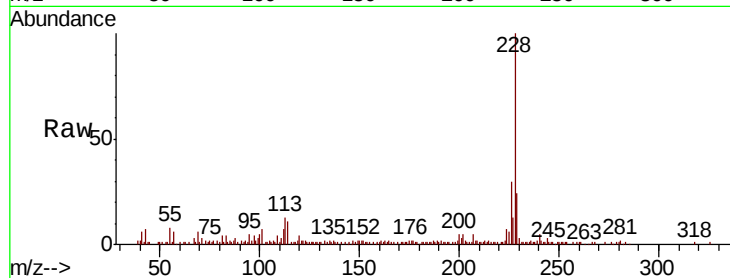
#83
Chrysene
Concen: 2.249 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	23.7	16.3	24.5

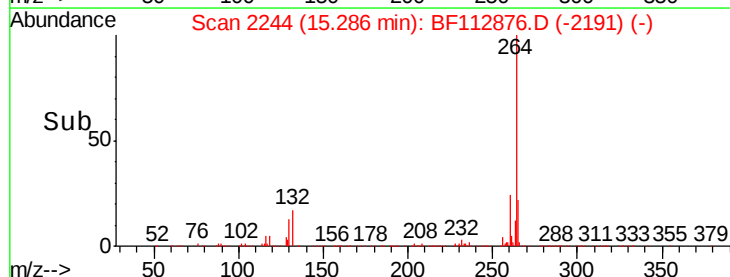
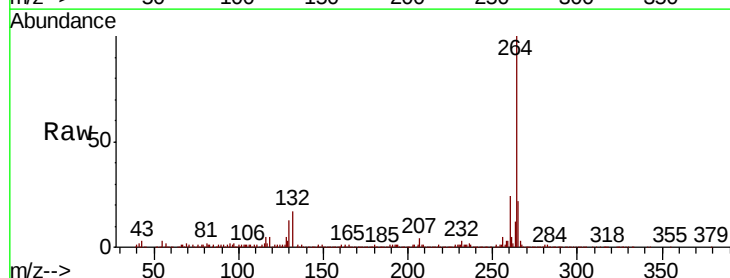
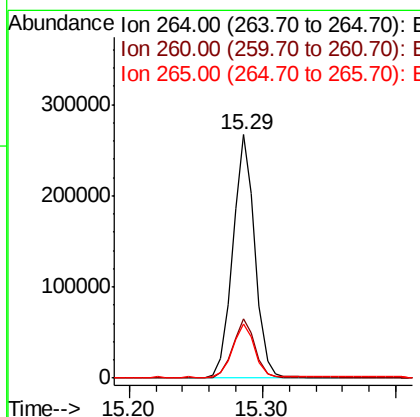
Manual Integrations
APPROVED

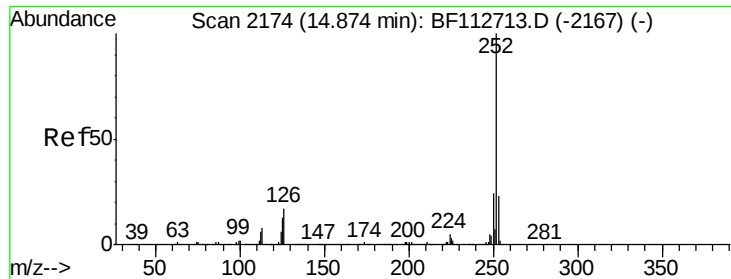
Sohil
3/6/2019 12:24:50 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112876.D
Acq: 6 Mar 2019 2:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.5	17.2	25.8





#88

Benzo(b)fluoranthene

Concen: 2.929 ng

RT: 14.89 min Scan# 2176

Delta R.T. 0.01 min

Lab File: BF112876.D

Acq: 6 Mar 2019 2:28

Instrument :

BNA_F

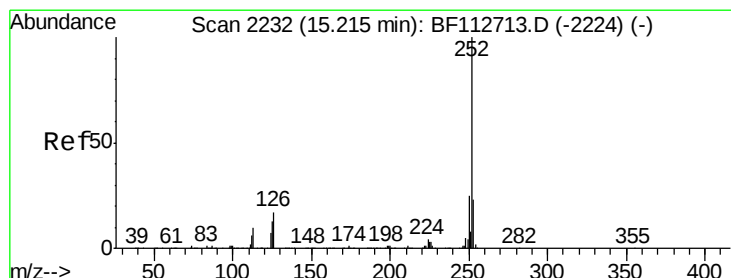
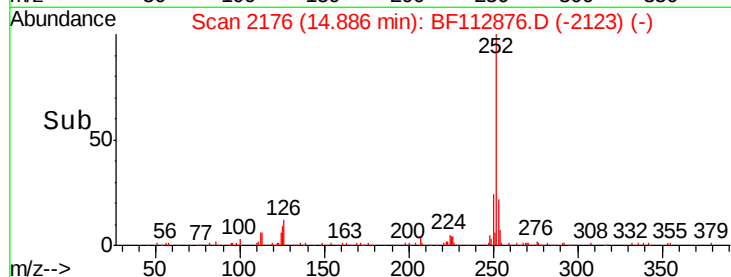
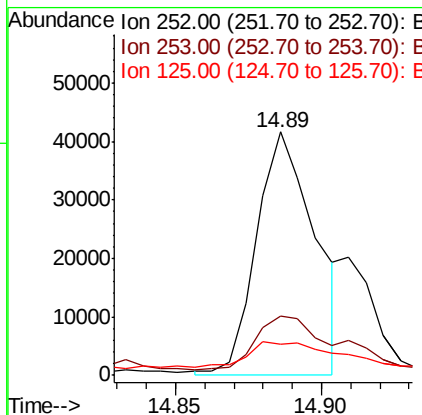
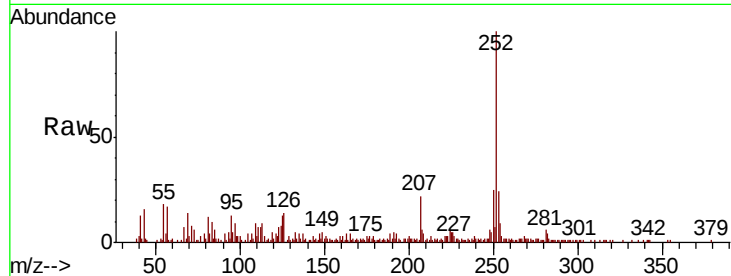
ClientSampleId :

EXT-027-SW014-022719

Tot Ion:	252	Resp:	57995
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.0	27.0
125	13.0	10.2	15.2

Manual Integrations
APPROVED

Sohil
3/6/2019 12:24:50 PM



#90

Benzo(a)pyrene

Concen: 2.100 ng

RT: 15.23 min Scan# 2234

Delta R.T. 0.01 min

Lab File: BF112876.D

Acq: 6 Mar 2019 2:28

Tgt Ion:	252	Resp:	36783
Ion Ratio	Lower	Upper	
252	100		
253	24.6	18.0	27.0
125	16.9	10.7	16.1

