

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
 Data File : BF112900.D
 Acq On : 7 Mar 2019 00:15
 Operator : JU/SJ
 Sample : K1705-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW004-022719

Manual Integrations
 APPROVED

Sohil
 3/7/2019 11:02:40 AM

Quant Time: Mar 07 05:29:18 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	6.73	152	204494	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	731622	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	303641	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	555205	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	546723	20.00	ng	-0.01
87) Perylene-d12	15.26	264	592301	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1147993	87.33	ng	0.00
7) Phenol-d6	6.37	99	1430580	86.63	ng	0.00
23) Nitrobenzene-d5	7.29	82	861938	70.50	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	343237	106.48	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1360318	71.09	ng	-0.01
79) Terphenyl-d14	12.82	244	1306289	46.32	ng	-0.01
Target Compounds						
32) Benzoic acid	7.72	122	15208	2.059	ng	88
50) Dimethylphthalate	9.48	163	95912	4.284	ng	98
71) Phenanthrene	11.26	178	62876	2.276	ng	98
75) Fluoranthene	12.44	202	203233	6.867	ng	98
78) Pyrene	12.67	202	180085	3.907	ng	98
81) Benzo(a)anthracene	13.85	228	95323	2.516	ng	95
83) Chrysene	13.89	228	134884	3.634	ng	96
84) Bis(2-ethylhexyl)phthalate	13.86	149	486693	20.395	ng	99
86) Indeno(1,2,3-cd)pyrene	16.62	276	63621m	2.011	ng	
88) Benzo(b)fluoranthene	14.87	252	182186m	4.755	ng	
89) Benzo(k)fluoranthene	14.89	252	69916m	2.015	ng	
90) Benzo(a)pyrene	15.20	252	107648	3.177	ng	98
92) Benzo(a,h,i)perylene	17.02	276	59209	2.039	ng	97

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

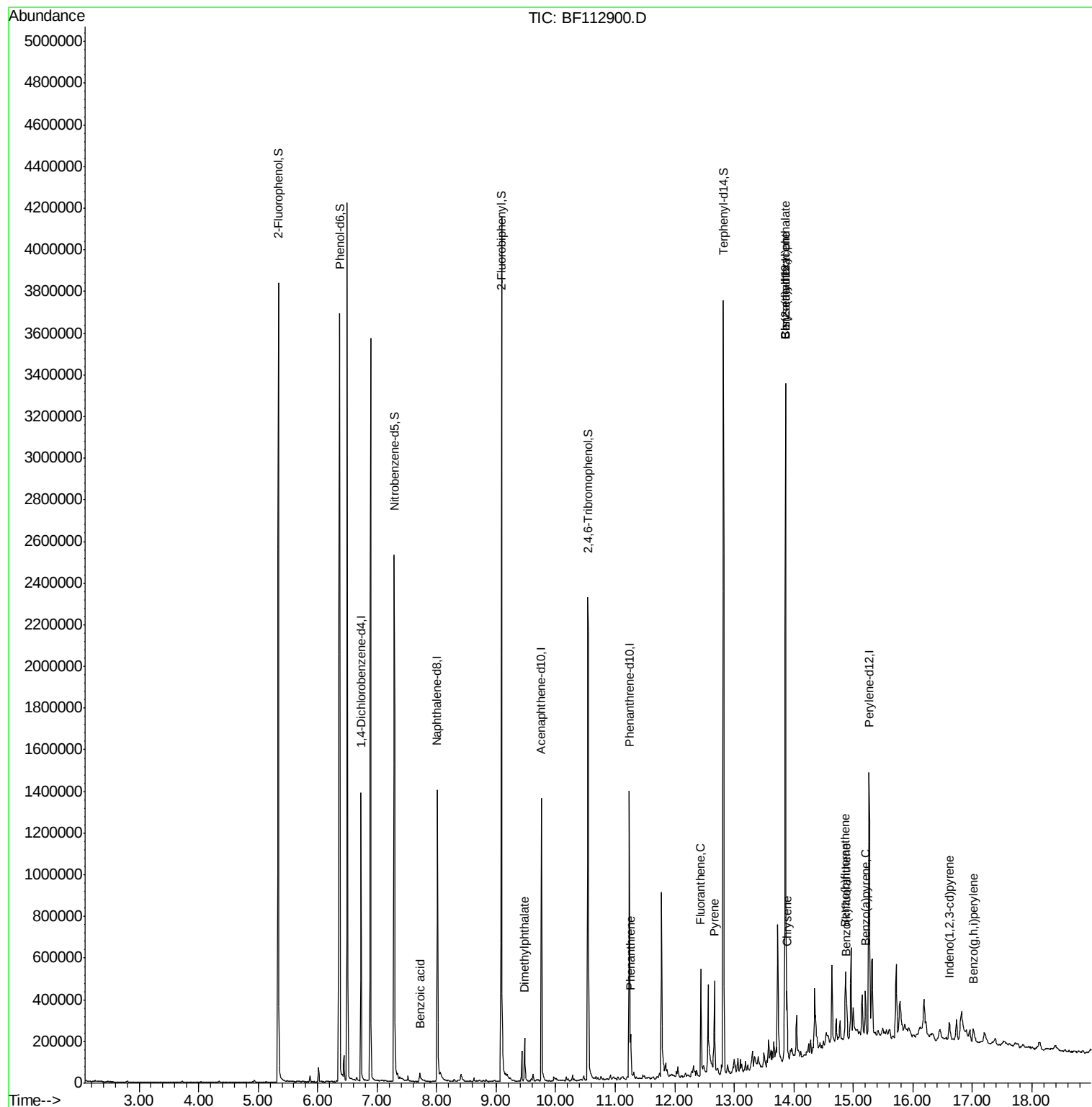
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112900.D
Acq On : 7 Mar 2019 00:15
Operator : JU/SJ
Sample : K1705-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

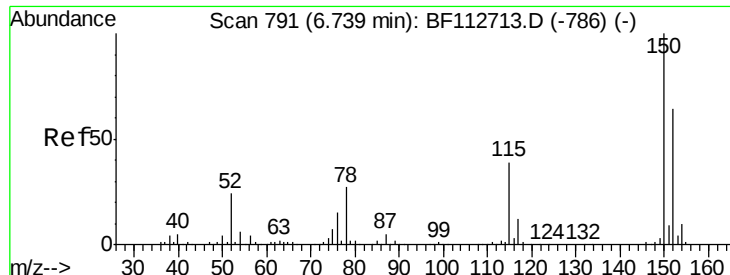
Instrument :
BNA_F
ClientSampleId :
EXT-028-SW004-022719

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
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#1

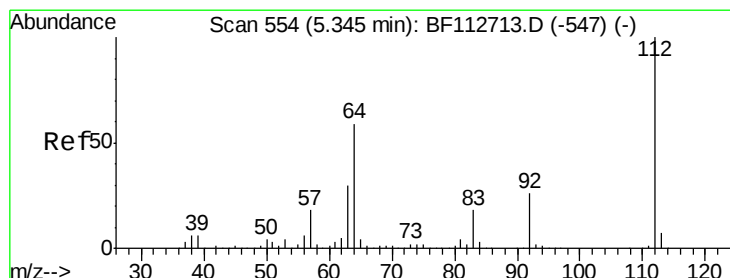
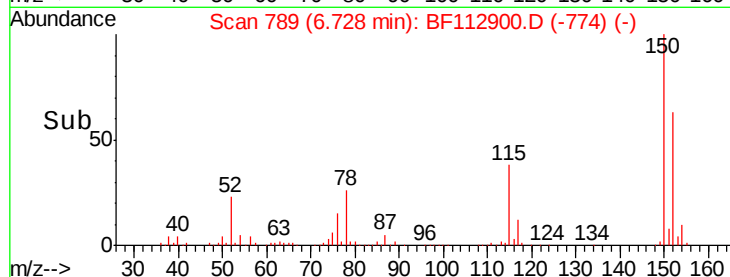
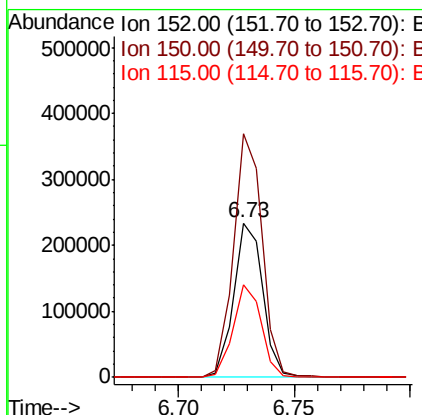
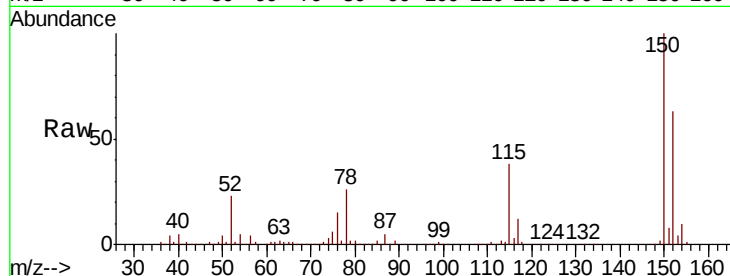
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF112900.D
 Acq: 7 Mar 2019 00:15

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW004-022719

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.2	186.2
115	60.2	48.2	72.4

Manual Integrations
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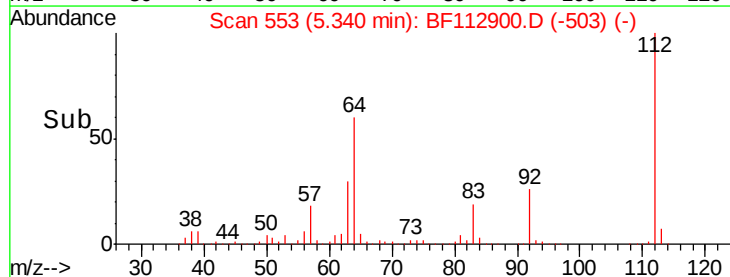
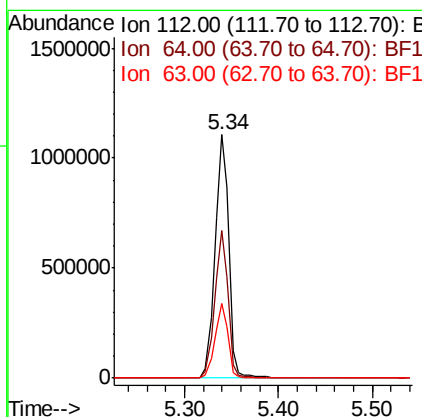
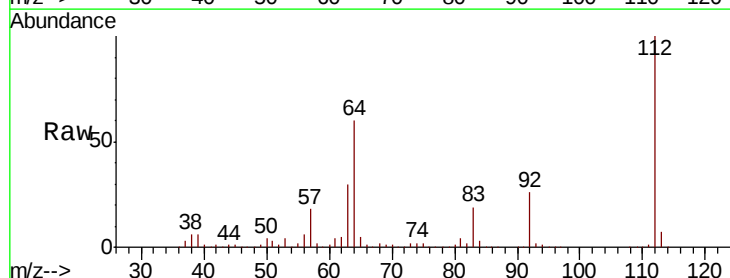
Sohil
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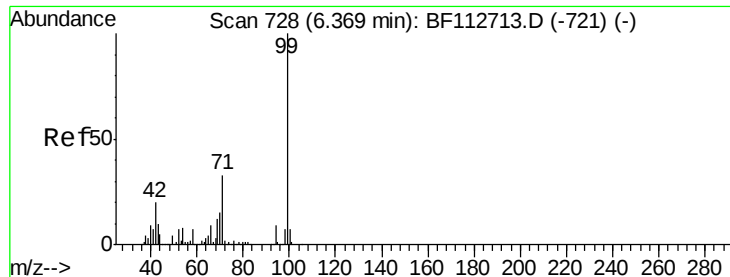


#5

2-Fluorophenol
 Concen: 87.325 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF112900.D
 Acq: 7 Mar 2019 00:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.6	71.4
63	30.4	24.4	36.6





#7

Phenol-d6

Concen: 86.630 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW004-022719

Tot Ion: 99 Resp: 1430580

Ion Ratio Lower Upper

99 100

42 17.1 16.3 24.5

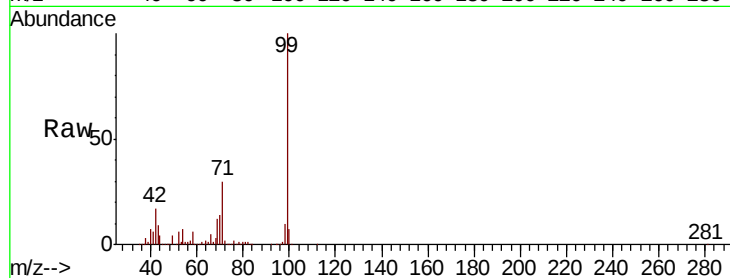
71 30.4 26.2 39.4

Manual Integrations

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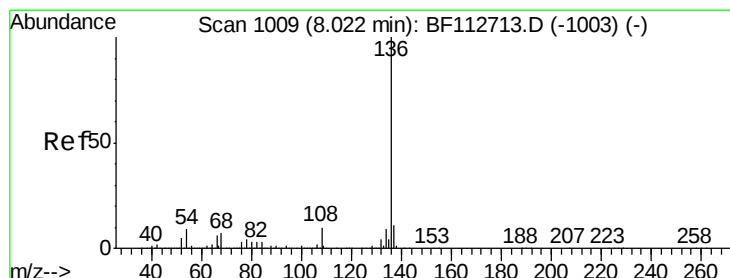
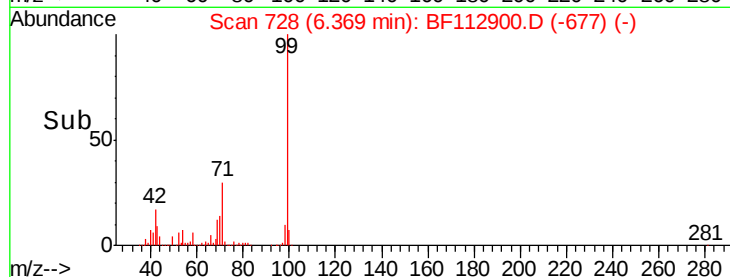
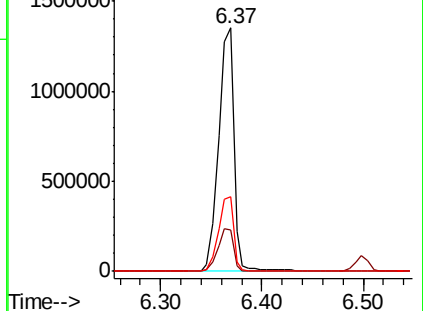
3/7/2019 11:02:40 AM



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: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

Tgt Ion: 136 Resp: 731622

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.1 7.3 10.9

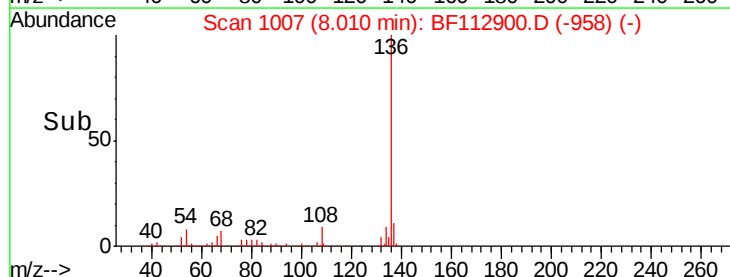
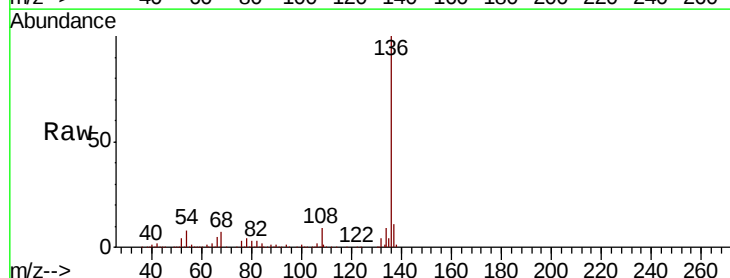
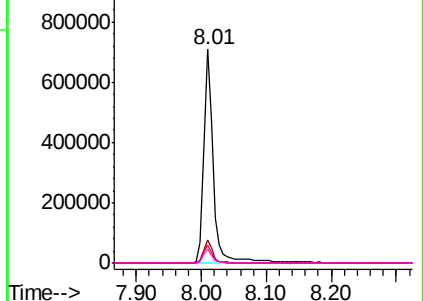
68 6.6 5.4 8.2

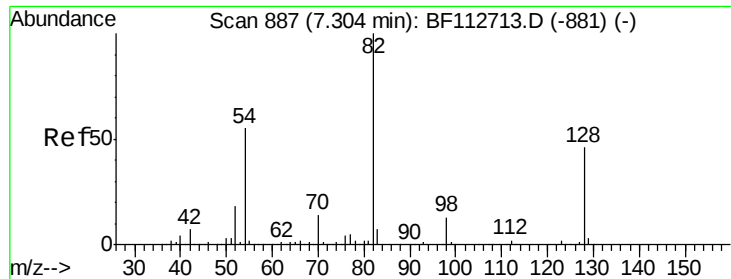
Abundance Ion 136.00 (135.70 to 136.70): E

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





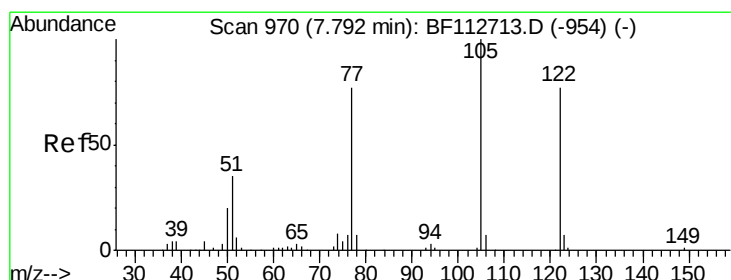
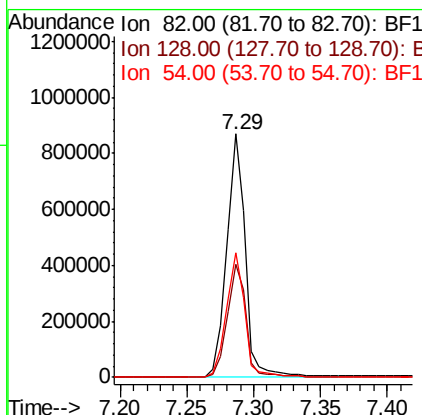
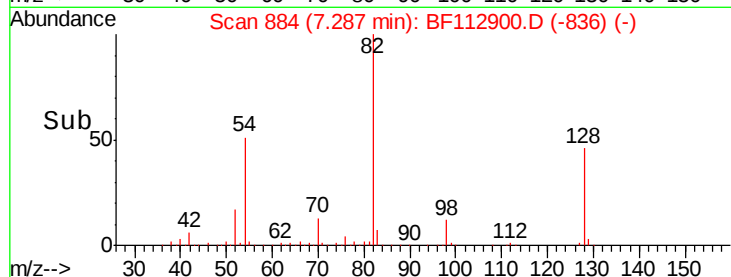
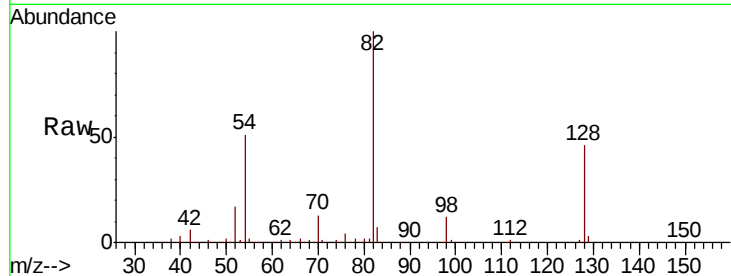
#23
Nitrobenzene-d5
Concen: 70.496 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112900.D
Acq: 7 Mar 2019 00:15

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW004-022719

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.3	54.5
54	51.2	43.7	65.5

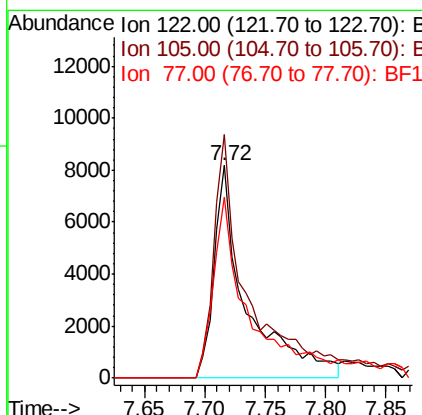
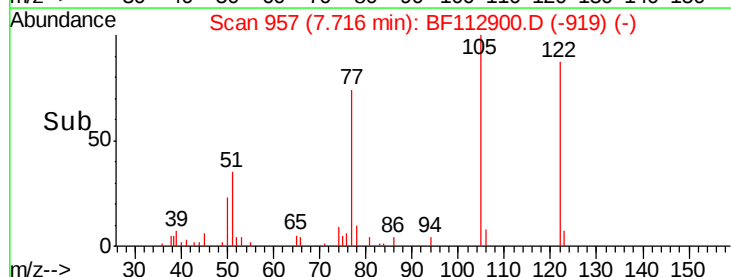
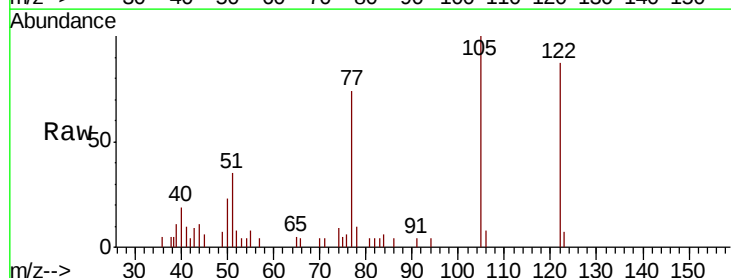
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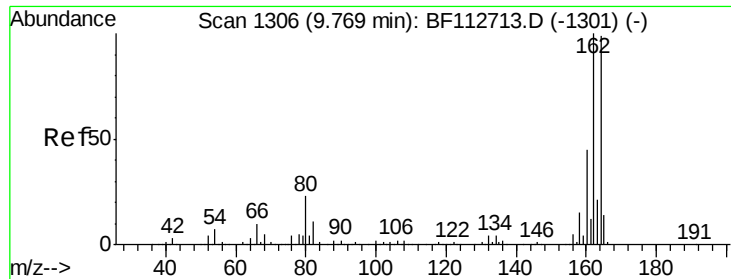
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#32
Benzoic acid
Concen: 2.059 ng
RT: 7.72 min Scan# 957
Delta R.T. -0.08 min
Lab File: BF112900.D
Acq: 7 Mar 2019 00:15

Tgt Ion	Ratio	Lower	Upper
122	100		
105	114.6	106.8	146.8
77	85.3	79.4	119.4





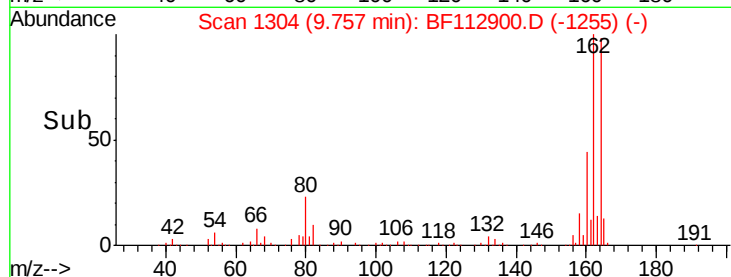
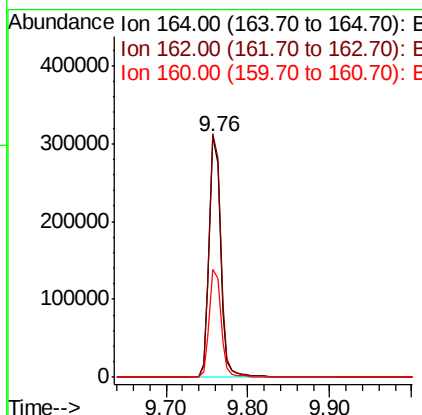
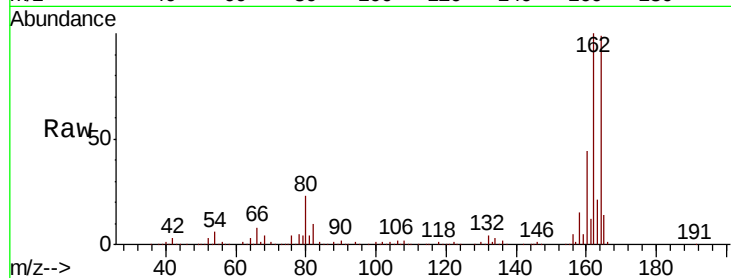
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF112900.D
 Acq: 7 Mar 2019 00:15

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW004-022719

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	120.8
160	44.6	36.0	54.0

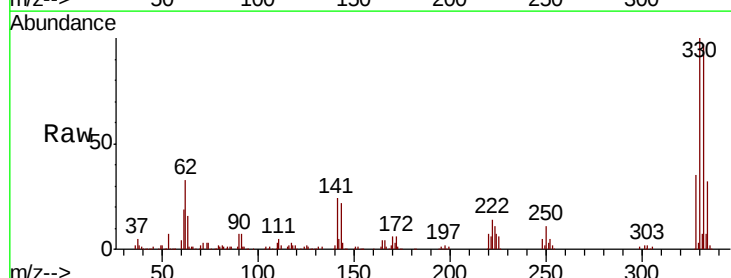
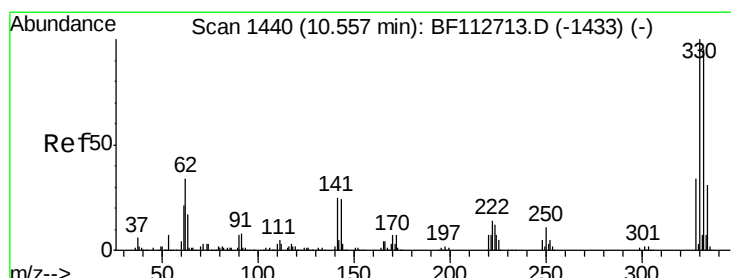
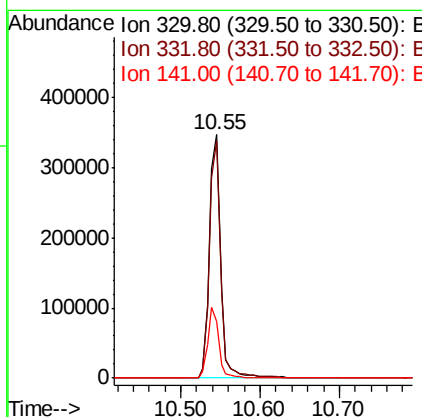
Manual Integrations
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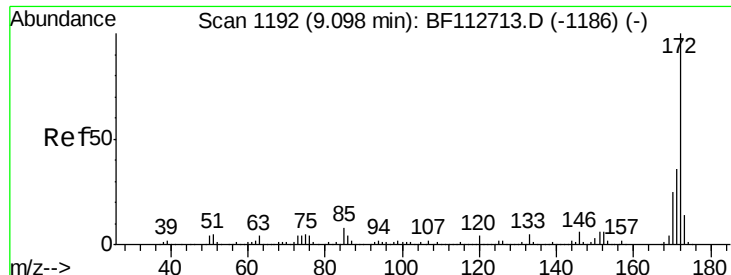
Sohil
 3/7/2019 11:02:40 AM



#42
 2,4,6-Tribromophenol
 Concen: 106.479 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112900.D
 Acq: 7 Mar 2019 00:15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.2	114.4
141	29.0	27.0	40.6





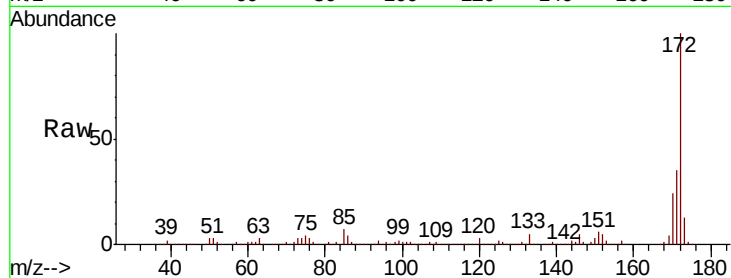
#45
2-Fluorobiphenyl
Concen: 71.091 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF112900.D
Acq: 7 Mar 2019 00:15

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW004-022719

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.4
170	24.1	20.0	30.0

Manual Integrations
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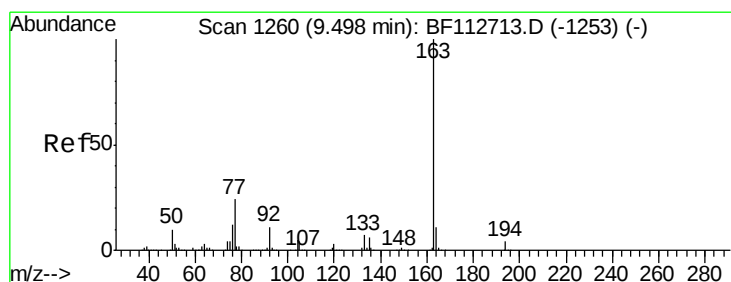
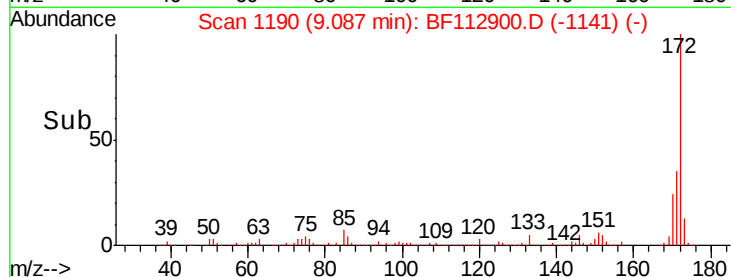
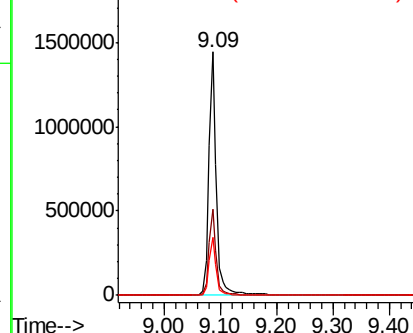


Abundance

Ion 172.00 (171.70 to 172.70): E

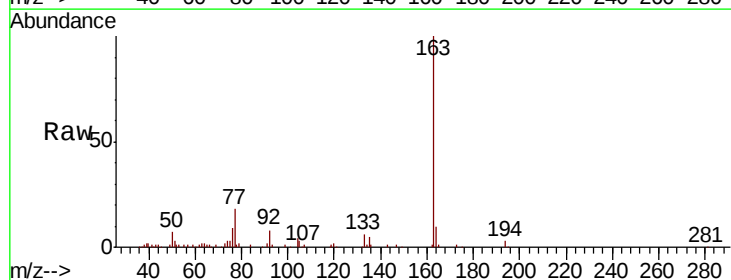
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.284 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112900.D
Acq: 7 Mar 2019 00:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.4
164	9.6	8.4	12.6

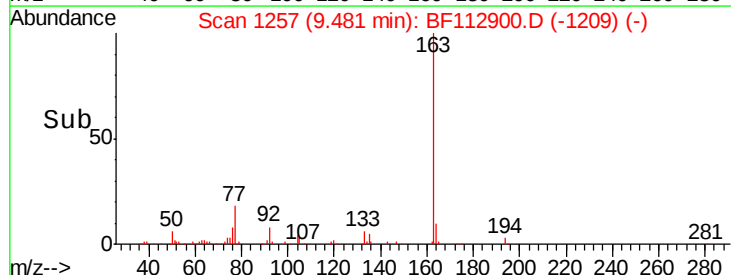
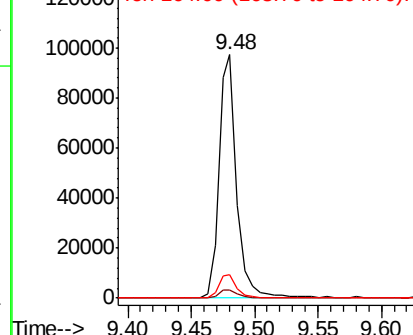


Abundance

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





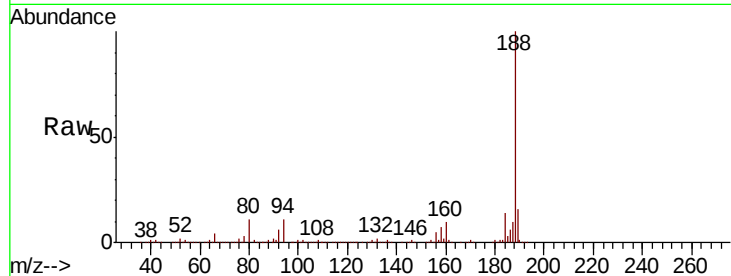
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF112900.D
Acq: 7 Mar 2019 00:15

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW004-022719

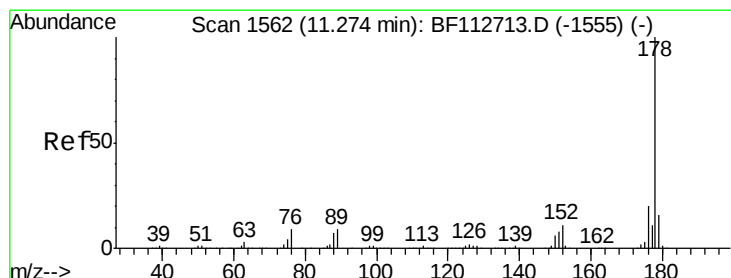
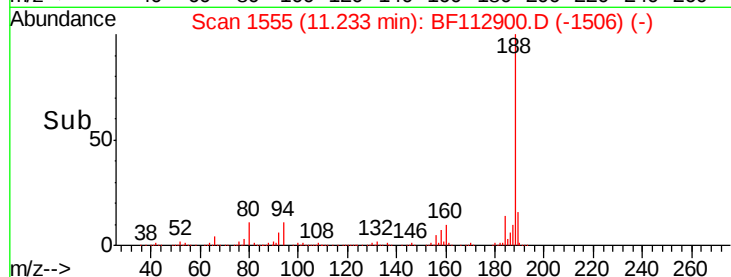
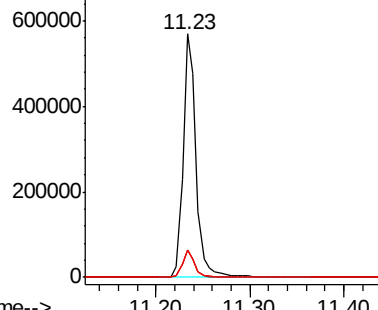
Tot Ion	Ratio	Resp	Lower	Upper
188	100	555205		
94	11.1		9.0	13.4
80	11.2		9.2	13.8

Manual Integrations
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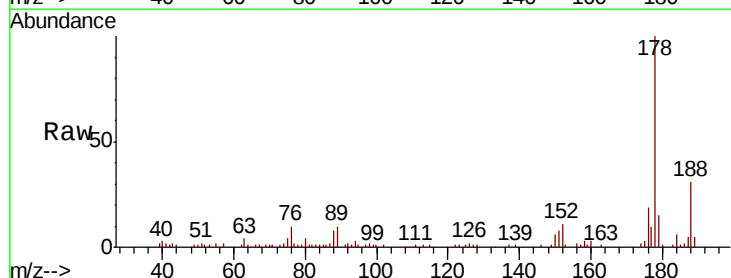


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

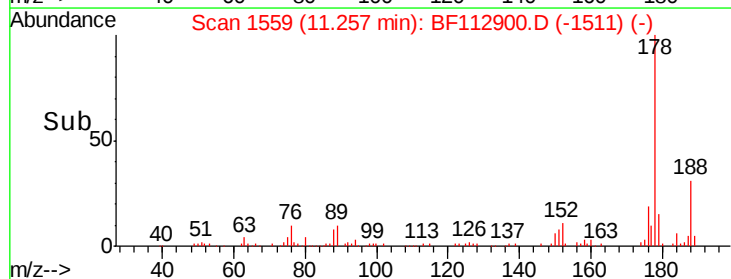
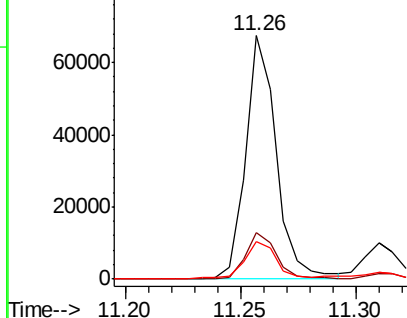


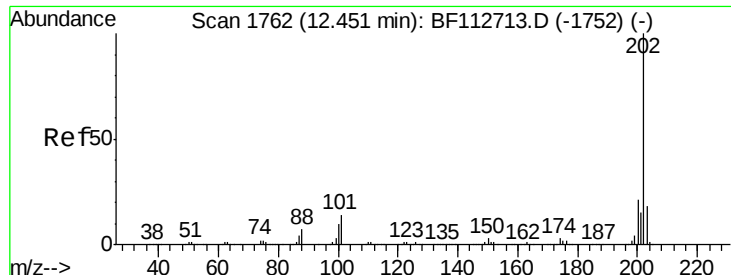
#71
Phenanthrene
Concen: 2.276 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF112900.D
Acq: 7 Mar 2019 00:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	62876		
176	18.8		16.3	24.5
179	15.4		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





#75

Fluoranthene

Concen: 6.867 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

Instrument :

BNA_F

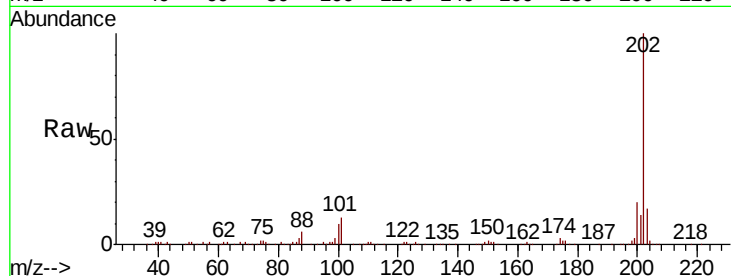
ClientSampleId :

EXT-028-SW004-022719

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.0	0.0	33.8
203	17.4	0.0	38.4

Manual Integrations
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Sohil
3/7/2019 11:02:40 AM

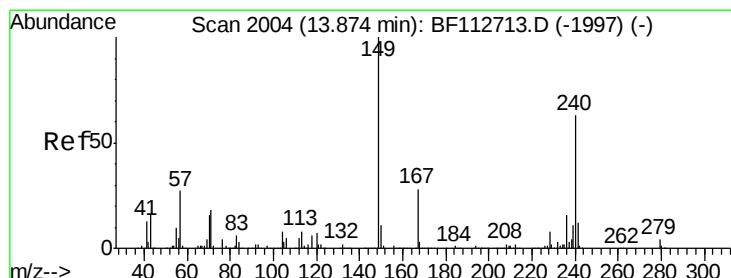
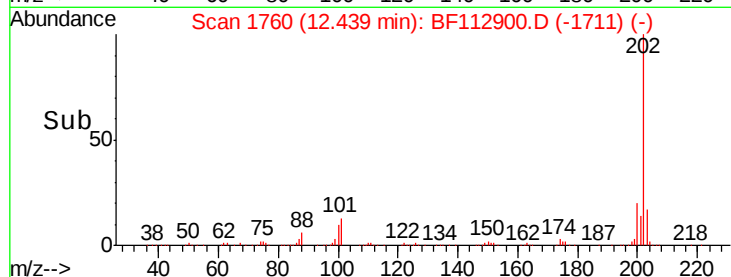
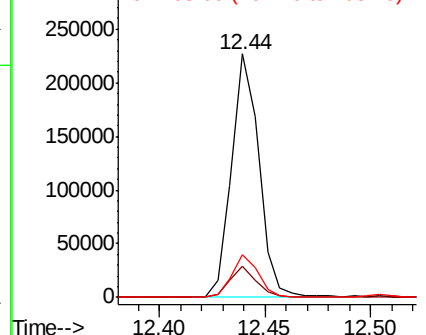


Abundance

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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

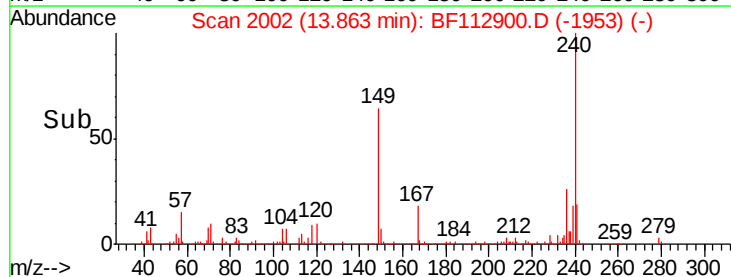
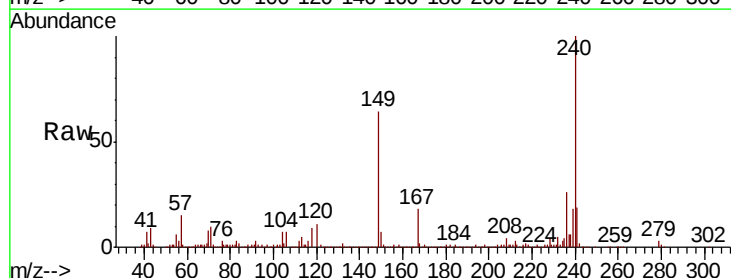
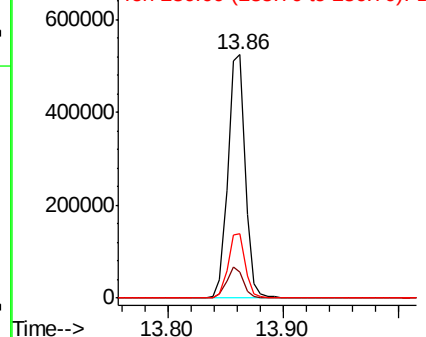
Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	10.8	8.9	13.3
236	26.4	20.7	31.1

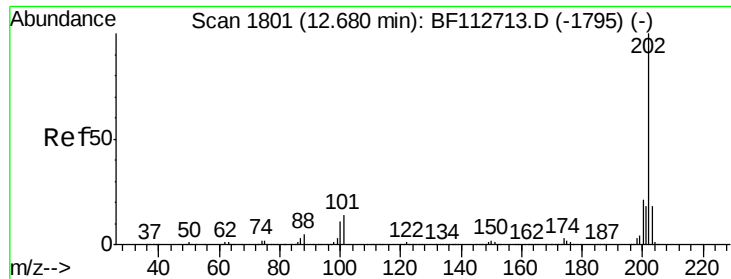
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





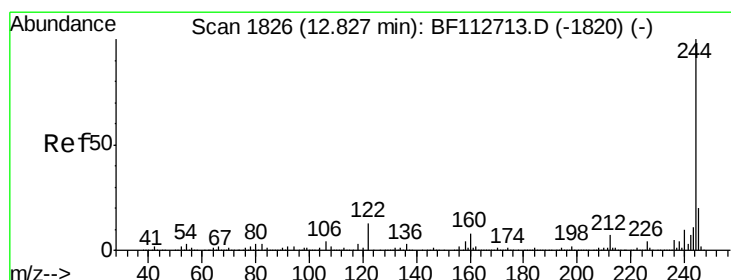
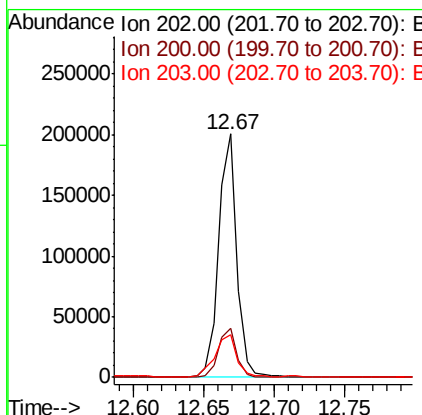
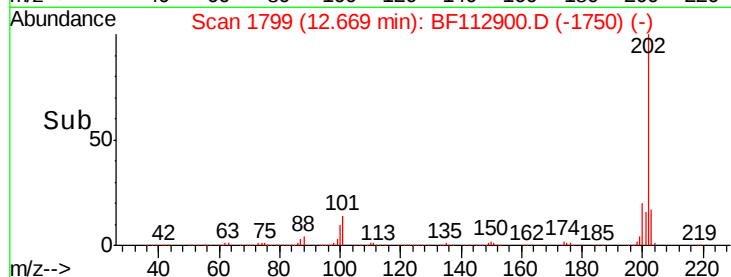
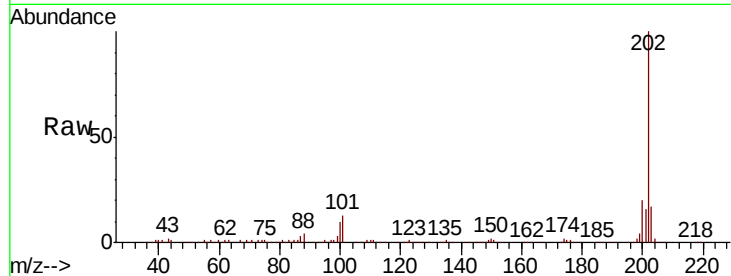
#78
Pvrene
Concen: 3.907 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112900.D
Acq: 7 Mar 2019 00:15

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW004-022719

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.4
203	17.3	14.4	21.6

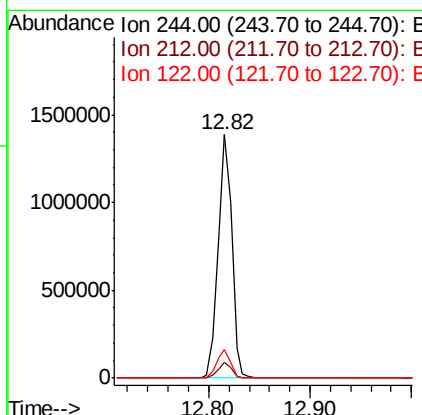
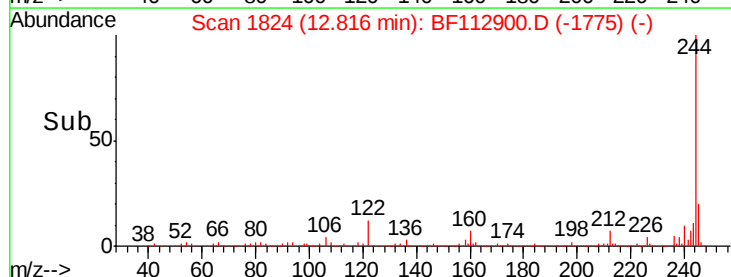
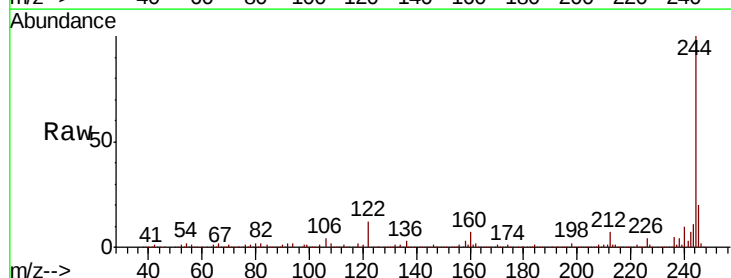
Manual Integrations
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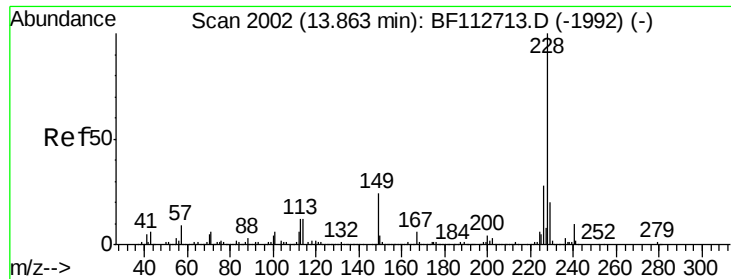
Sohil
3/7/2019 11:02:40 AM



#79
Terphenyl-d14
Concen: 46.317 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF112900.D
Acq: 7 Mar 2019 00:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.8	10.5	15.7





#81

Benzo(a)anthracene

Concen: 2.516 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

Instrument :

BNA_F

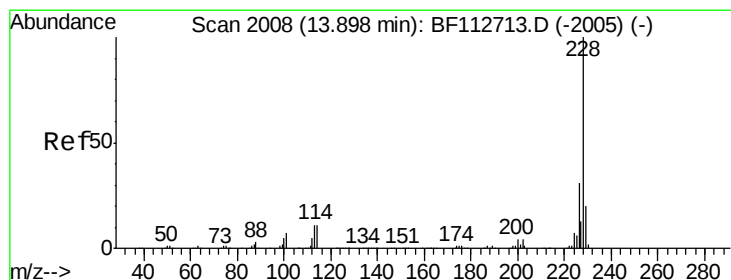
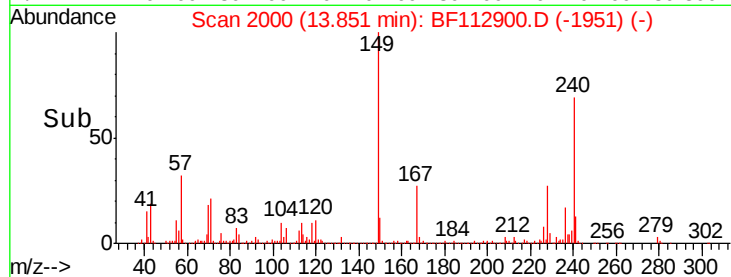
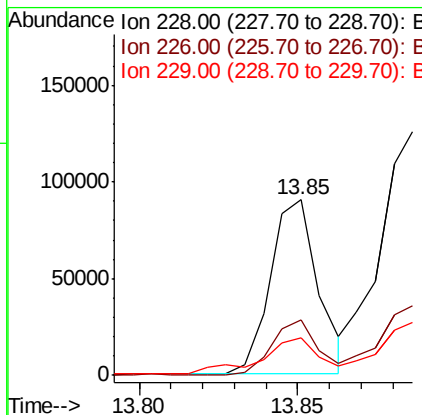
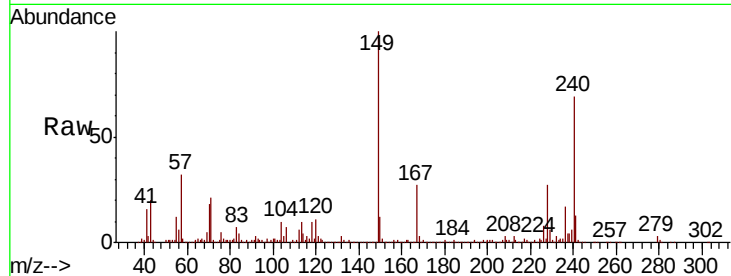
ClientSampleId :

EXT-028-SW004-022719

Tot Ion:	228	Resp:	95323
Ion Ratio	Lower	Upper	
228	100		
226	31.4	22.2	33.4
229	21.3	16.0	24.0

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#83

Chrysene

Concen: 3.634 ng

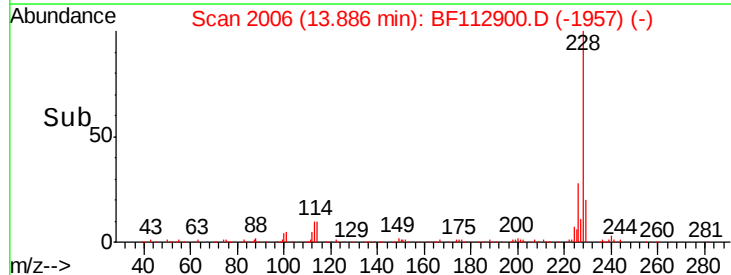
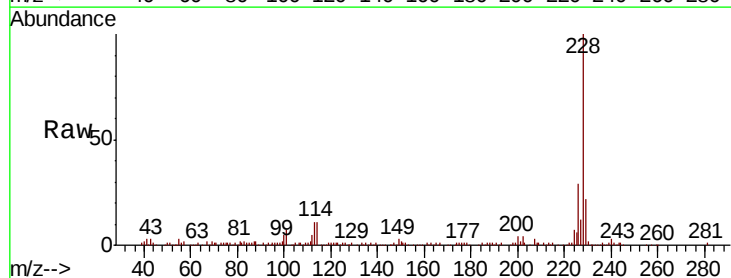
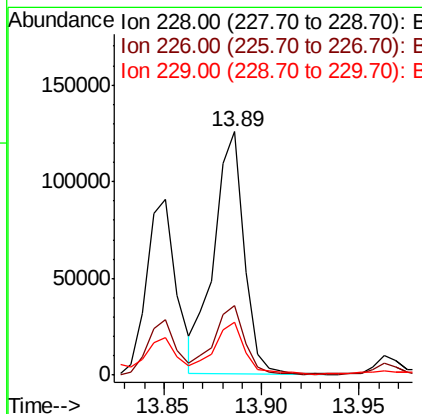
RT: 13.89 min Scan# 2006

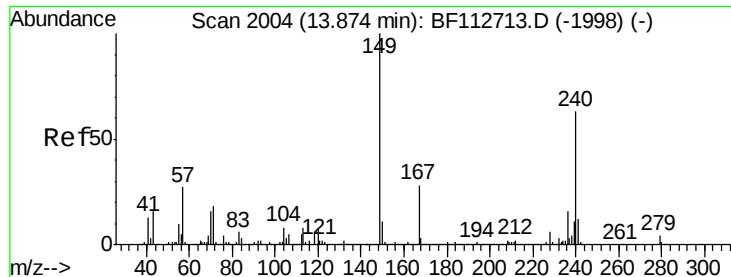
Delta R.T. -0.01 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

Tgt Ion:	228	Resp:	134884
Ion Ratio	Lower	Upper	
228	100		
226	28.6	24.9	37.3
229	21.5	16.3	24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 20.395 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

Instrument :

BNA_F

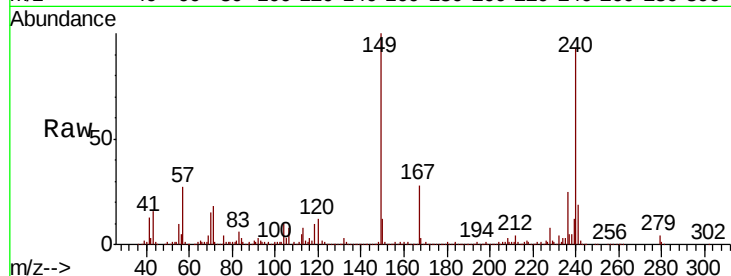
ClientSampleId :

EXT-028-SW004-022719

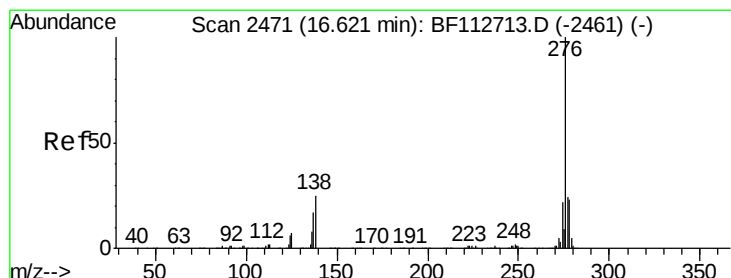
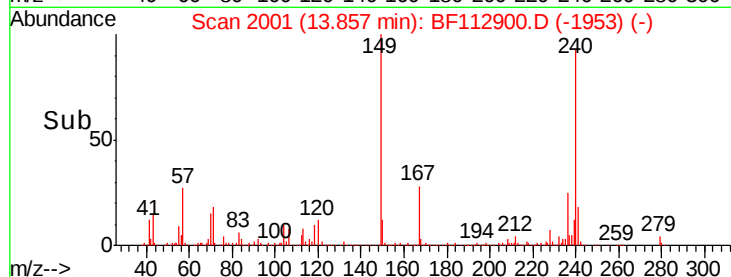
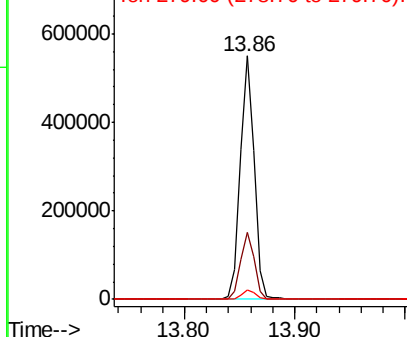
Tot Ion:	149	Resp:	486693
Ion Ratio	Lower	Upper	
149	100		
167	27.6	22.4	33.6
279	3.8	3.3	4.9

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.011 ng m

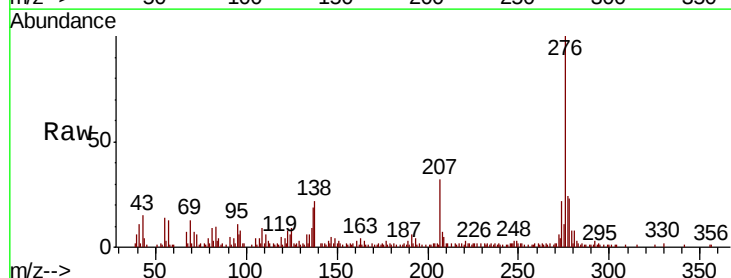
RT: 16.62 min Scan# 2470

Delta R.T. -0.01 min

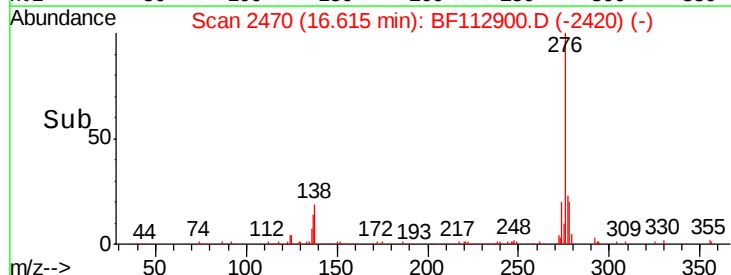
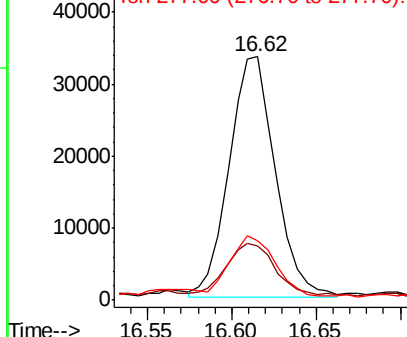
Lab File: BF112900.D

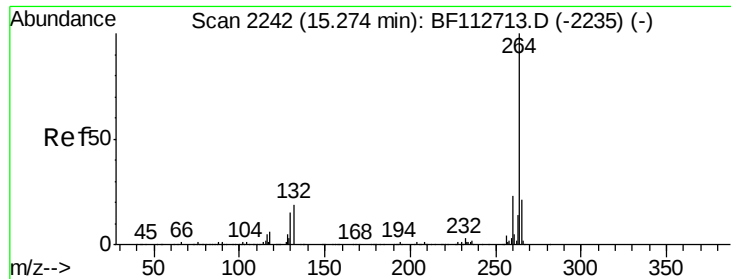
Acq: 7 Mar 2019 00:15

Tgt Ion:	276	Resp:	63621
Ion Ratio	Lower	Upper	
276	100		
138	6.1	23.2	34.8#
277	5.1	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: 15.26 min Scan# 2240

Delta R.T. -0.01 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

Instrument :

BNA_F

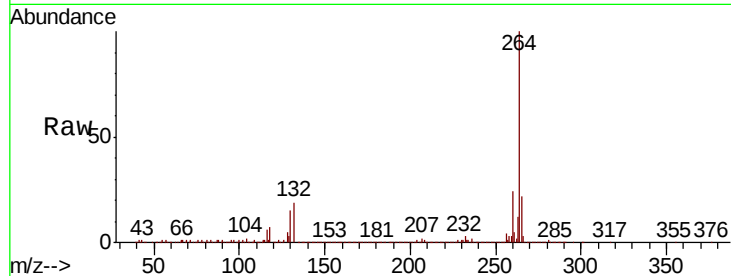
ClientSampleId :

EXT-028-SW004-022719

Tot Ion:	264	Resp:	592301
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.7	28.1
265	22.3	17.2	25.8

Manual Integrations
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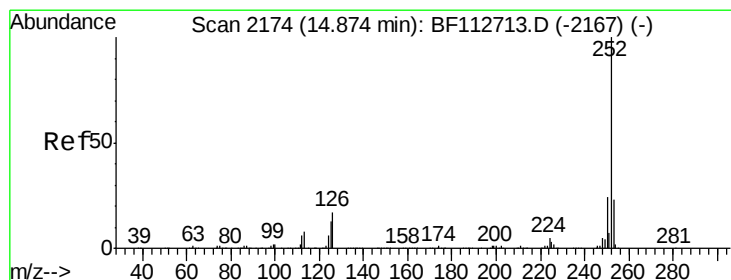
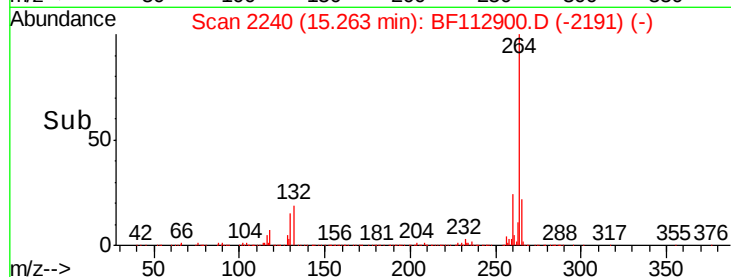
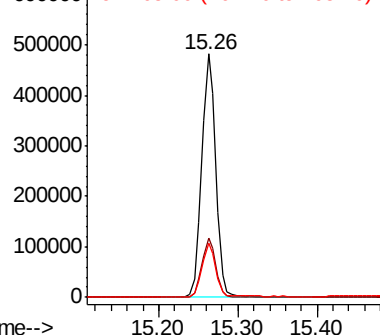


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 4.755 ng m

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

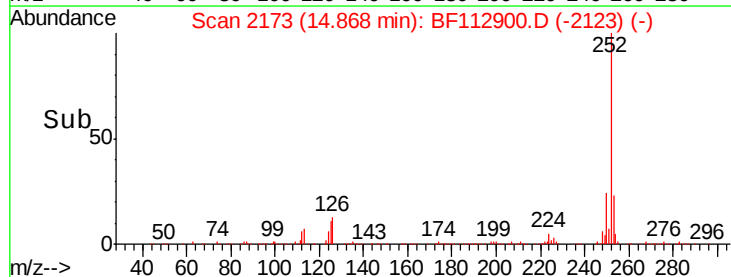
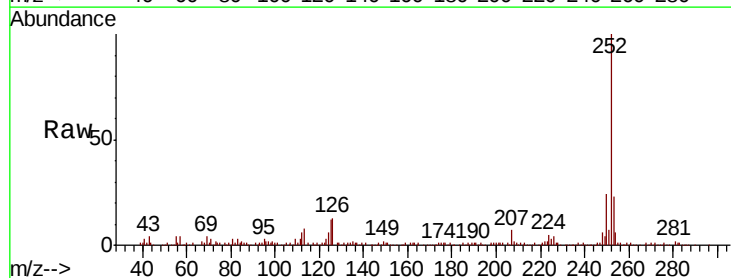
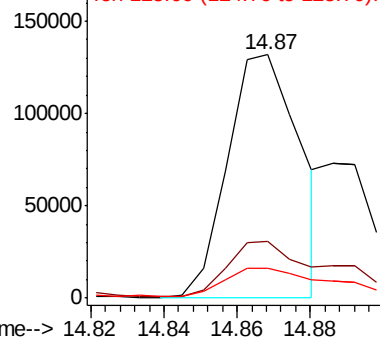
Tgt Ion:	252	Resp:	182186
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.0	27.0
125	12.5	10.2	15.2

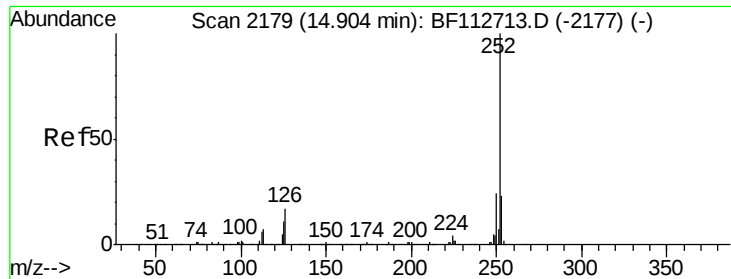
Abundance

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





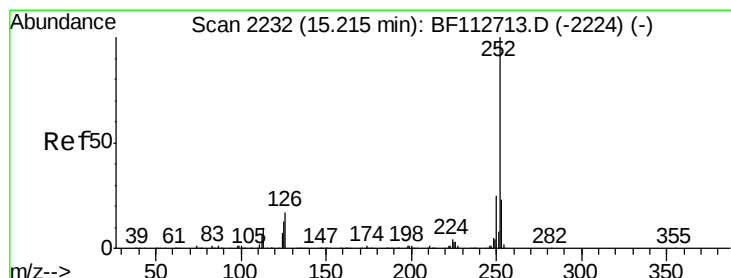
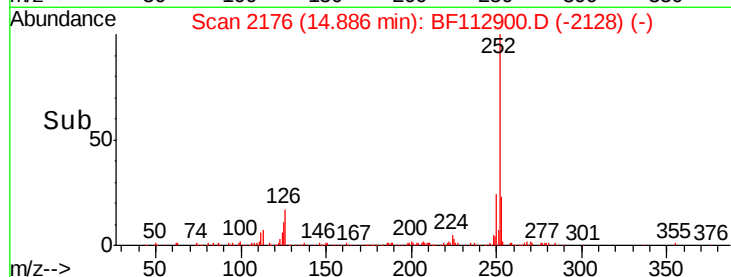
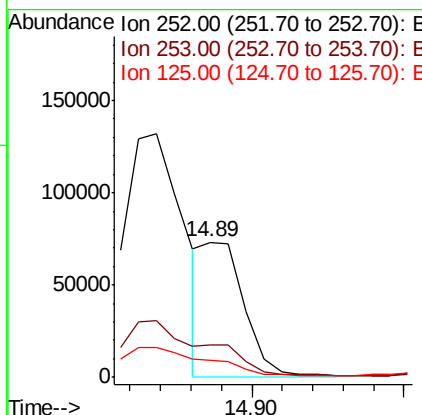
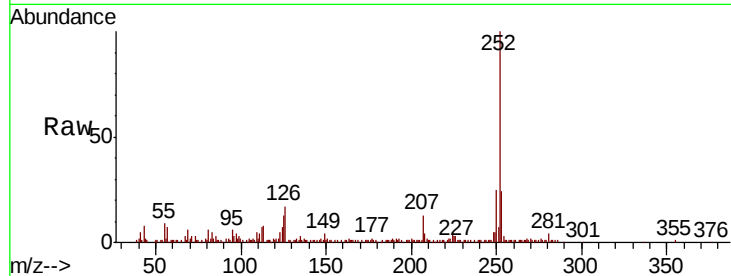
#89
Benzo(k)fluoranthene
Concen: 2.015 ng m
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF112900.D
Acq: 7 Mar 2019 00:15

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW004-022719

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	12.5	9.8	14.6

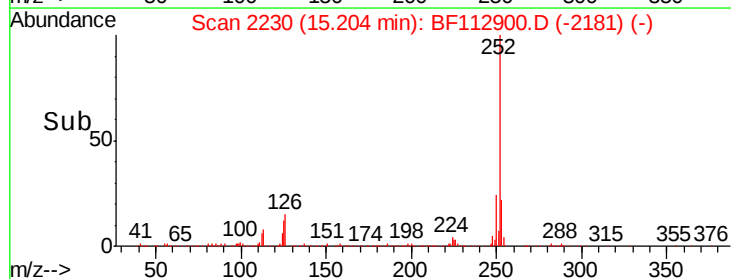
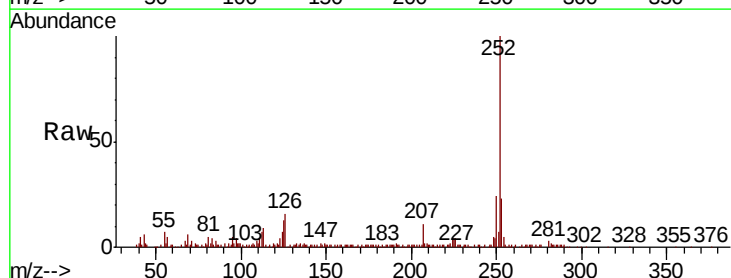
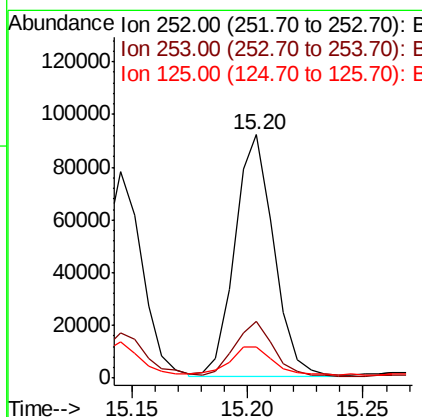
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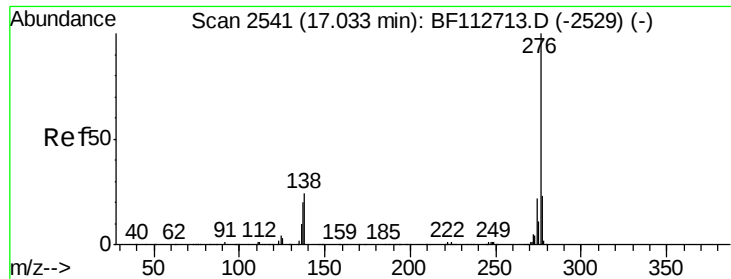
Sohil
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#90
Benzo(a)pyrene
Concen: 3.177 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF112900.D
Acq: 7 Mar 2019 00:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	12.6	10.7	16.1





#92
 Benzo(a,h,i)perylene
 Concen: 2.039 ng
 RT: 17.02 min Scan# 2538
 Delta R.T. -0.02 min
 Lab File: BF112900.D
 Acq: 7 Mar 2019 00:15

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW004-022719

Tot Ion:	276	Resp:	59209
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.6	27.8
138	23.3	19.4	29.0

Manual Integrations
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