

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
 Data File : BF112873.D
 Acq On : 6 Mar 2019 1:03
 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
 3/6/2019 12:24:42 PM

Quant Time: Mar 06 04:14:42 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	160313	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	601858	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	272495	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	505164	20.00	ng	0.00
76) Chrysene-d12	13.87	240	432254	20.00	ng	0.00
87) Perylene-d12	15.29	264	324398	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	908724	88.18	ng	0.00
7) Phenol-d6	6.37	99	1200052	92.70	ng	0.00
23) Nitrobenzene-d5	7.30	82	716116	71.20	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	326996	113.03	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1210026	70.29	ng	0.00
79) Terphenyl-d14	12.83	244	1168873	52.42	ng	0.00
Target Compounds						
32) Benzoic acid	7.73	122	12183	2.005	ng	96
50) Dimethylphthalate	9.49	163	86523	4.306	ng	98
71) Phenanthrene	11.27	178	56696	2.256	ng	97
75) Fluoranthene	12.46	202	181398	6.736	ng	94
78) Pyrene	12.68	202	153019	4.199	ng	98
81) Benzo(a)anthracene	13.86	228	74384	2.483	ng	99
83) Chrysene	13.90	228	101177	3.448	ng	98
84) Bis(2-ethylhexyl)phthalate	13.87	149	413657	21.925	ng	98
88) Benzo(b)fluoranthene	14.89	252	112491m	5.361	ng	
90) Benzo(a)pyrene	15.23	252	58409	3.147	ng	99
92) Benzo(g,h,i)perylene	17.06	276	34416	2.164	ng	# 93

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

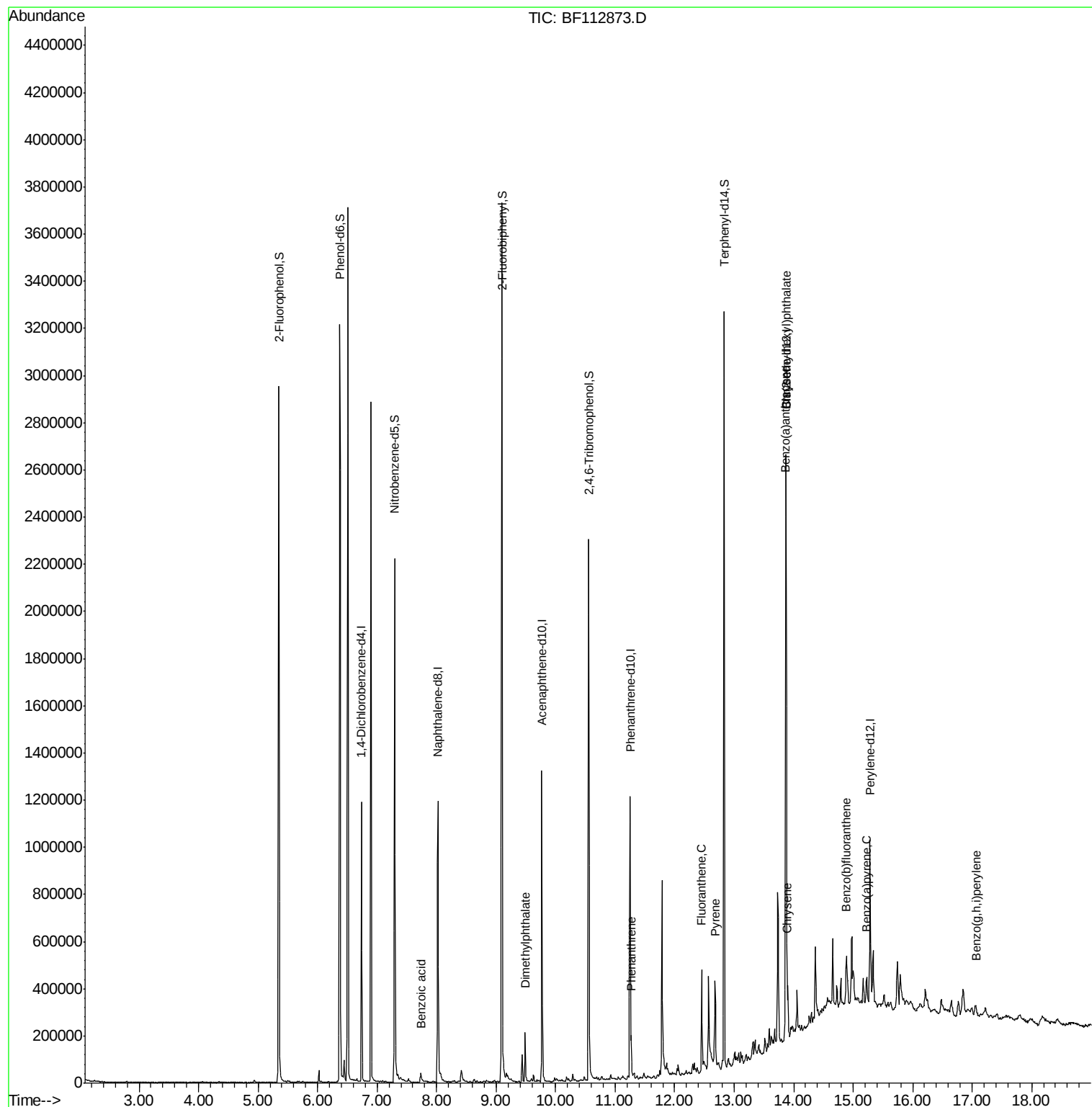
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112873.D
Acq On : 6 Mar 2019 1:03
Operator : JU/SJ
Sample : K1705-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

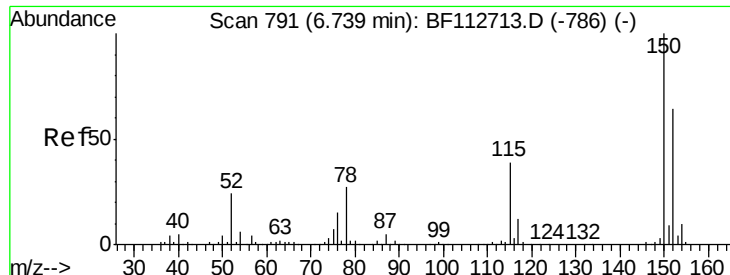
Instrument :
BNA_F
ClientSampleId :
EXT-028-SW004-022719

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

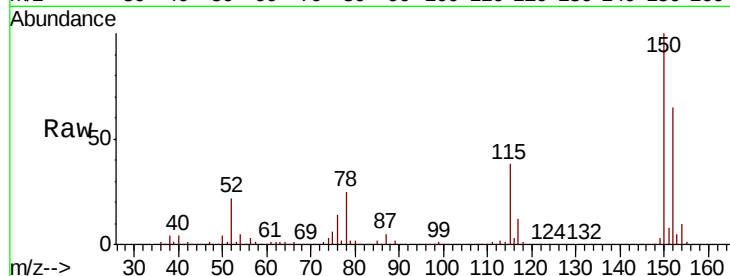
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF112873.D
Acq: 6 Mar 2019 1:03

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.2	186.2
115	58.5	48.2	72.4

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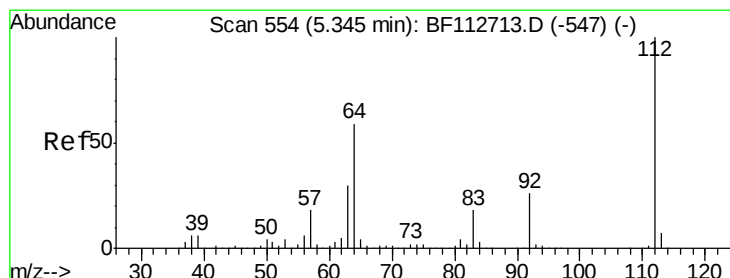
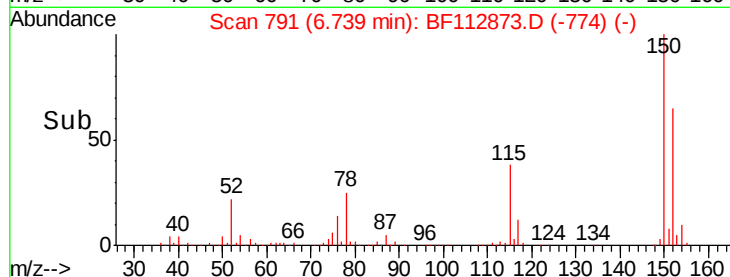
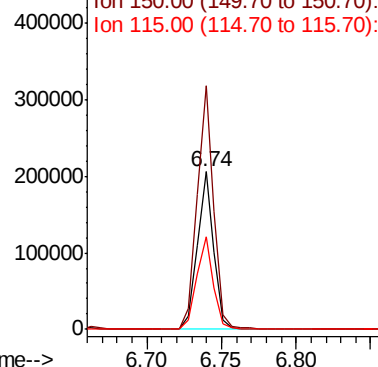


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

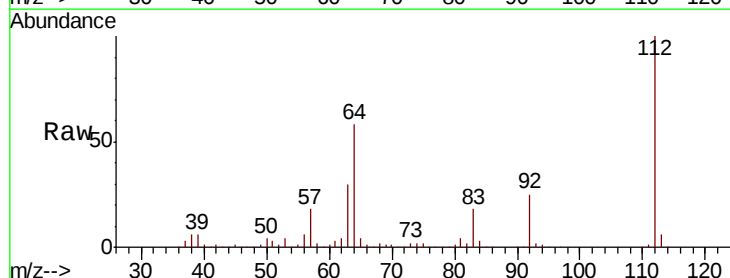
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 88.175 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112873.D
Acq: 6 Mar 2019 1:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.6	71.4
63	29.8	24.4	36.6

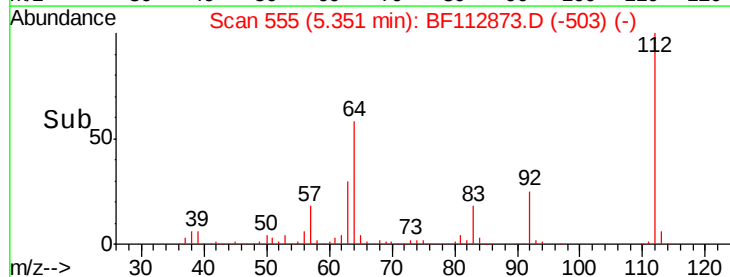
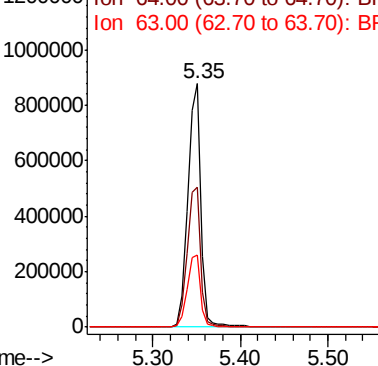


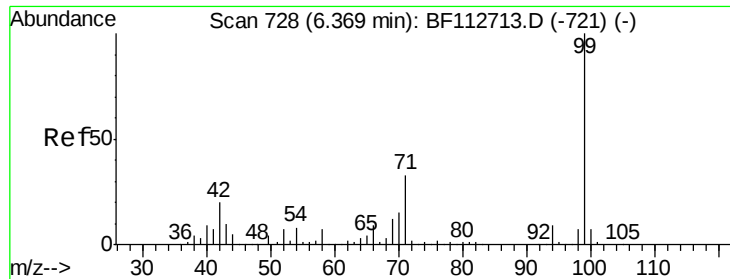
Abundance

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: 92.697 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112873.D

Acq: 6 Mar 2019 1:03

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW004-022719

Tot Ion: 99 Resp: 1200052

Ion Ratio Lower Upper

99 100

42 19.7 16.3 24.5

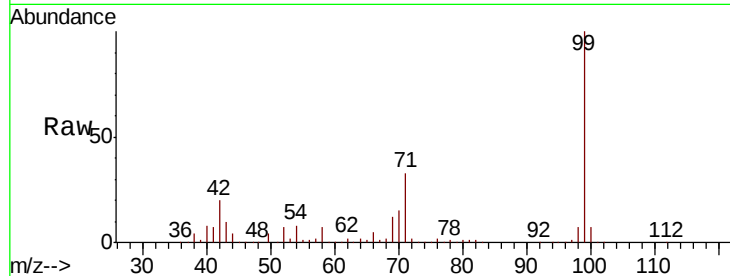
71 33.4 26.2 39.4

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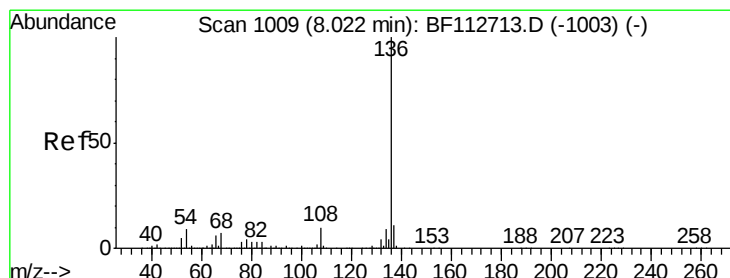
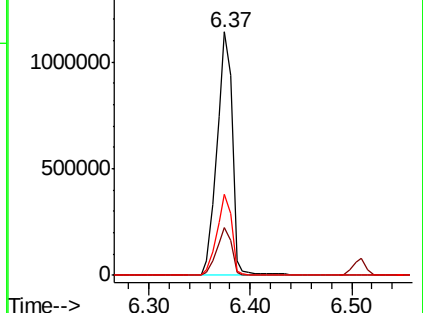
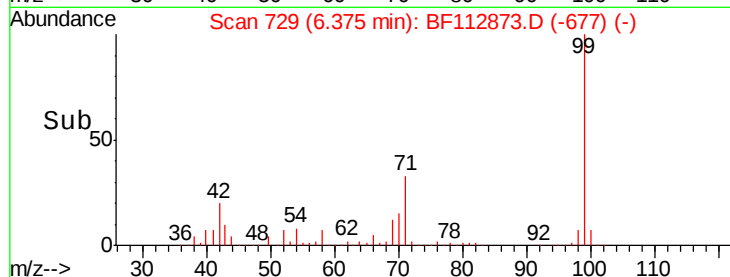
3/6/2019 12:24:42 PM



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# 1009

Delta R.T. -0.00 min

Lab File: BF112873.D

Acq: 6 Mar 2019 1:03

Tgt Ion: 136 Resp: 601858

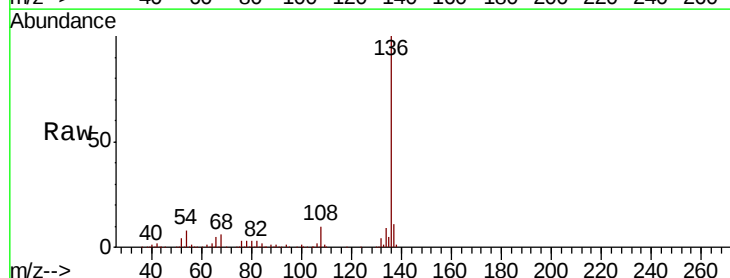
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.5 7.3 10.9

68 5.5 5.4 8.2

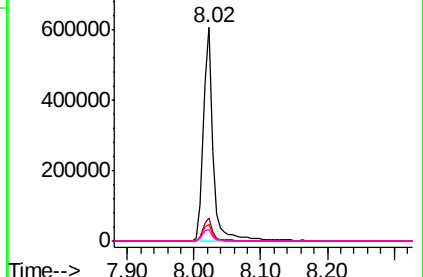
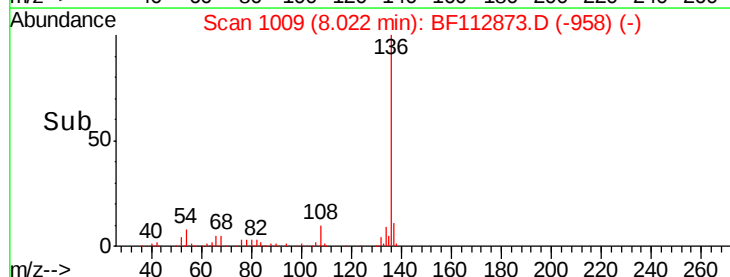


Abundance Ion 136.00 (135.70 to 136.70): E

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





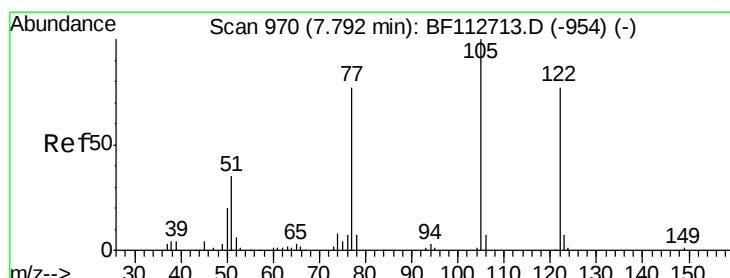
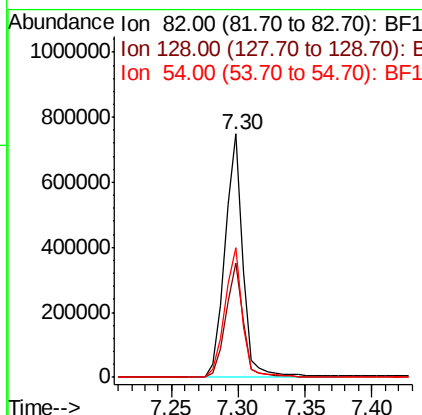
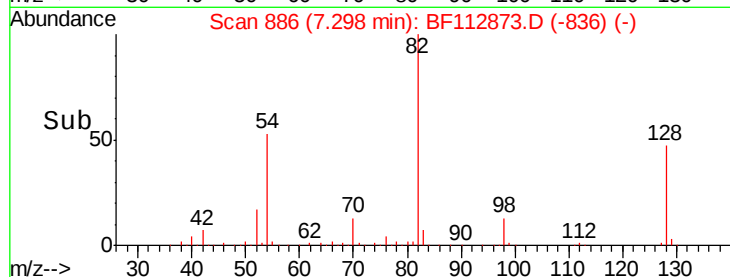
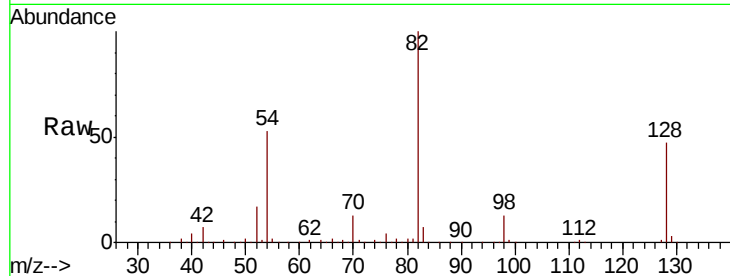
#23
Nitrobenzene-d5
Concen: 71.198 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112873.D
Acq: 6 Mar 2019 1:03

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100	716116		
128	46.8	36.3	54.5	
54	53.3	43.7	65.5	

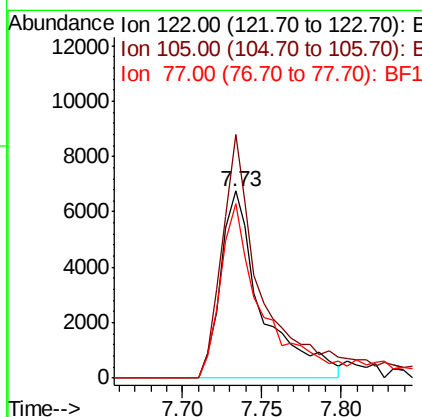
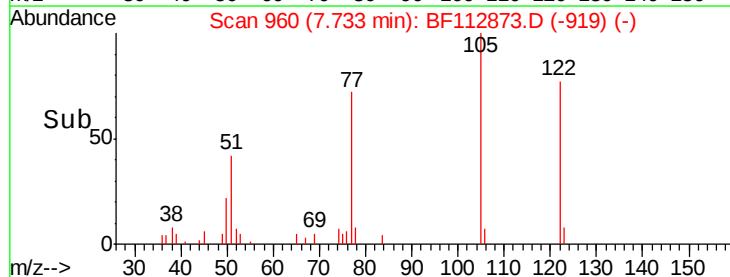
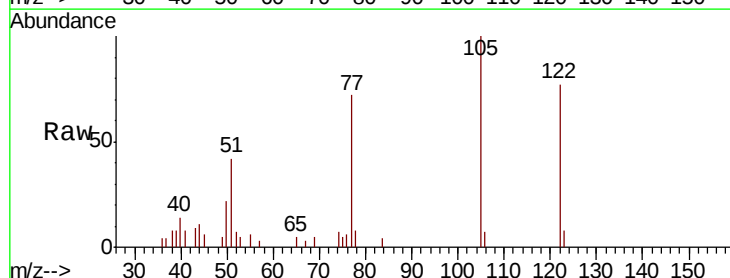
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#32
Benzoic acid
Concen: 2.005 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.06 min
Lab File: BF112873.D
Acq: 6 Mar 2019 1:03

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	12183		
105	130.3	106.8	146.8	
77	93.4	79.4	119.4	





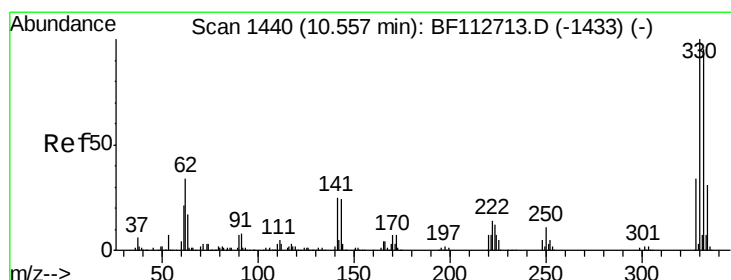
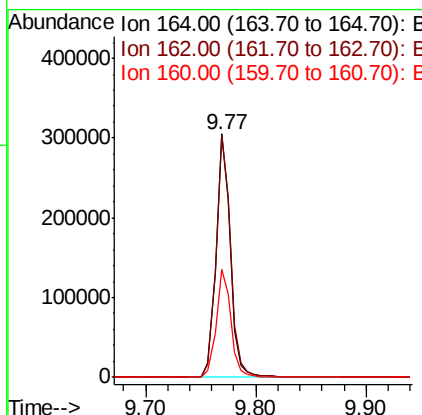
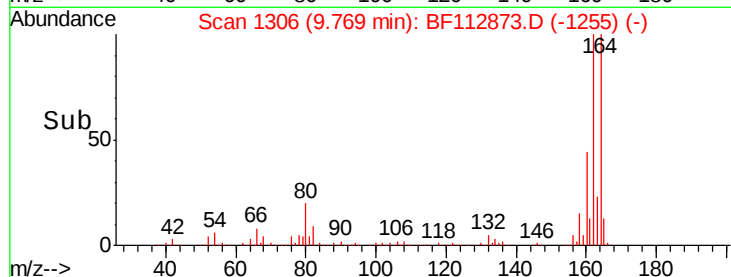
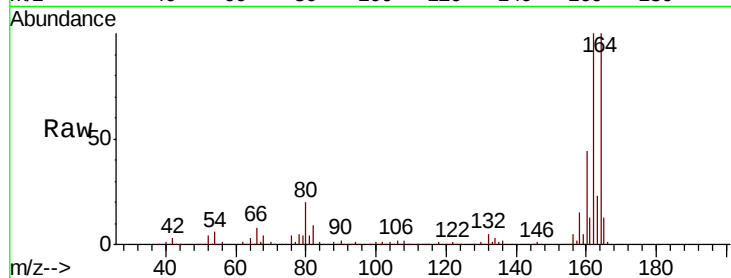
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF112873.D
Acq: 6 Mar 2019 1:03

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.6	80.6	120.8	
160	44.1	36.0	54.0	

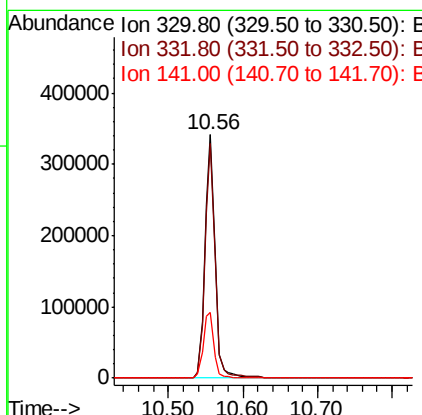
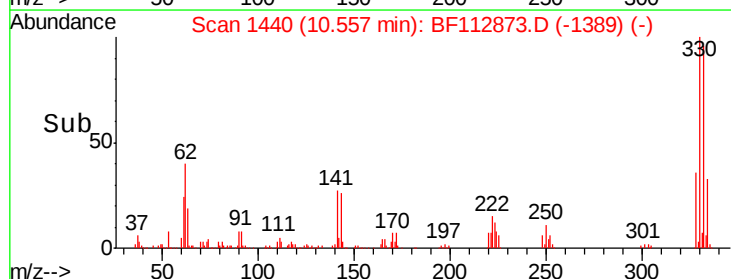
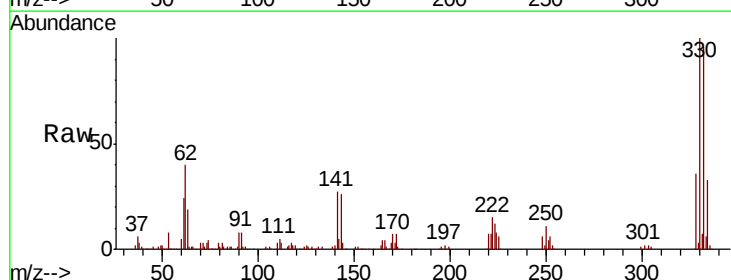
Manual Integrations
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#42
2,4,6-Tribromophenol
Concen: 113.035 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BF112873.D
Acq: 6 Mar 2019 1:03

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	76.2	114.4	
141	29.3	27.0	40.6	





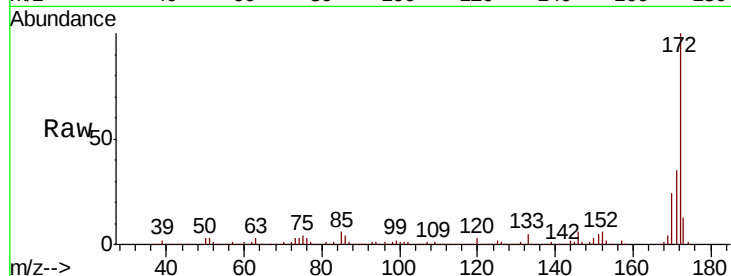
#45
2-Fluorobiphenyl
Concen: 70.291 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112873.D
Acq: 6 Mar 2019 1:03

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	23.9	20.0	30.0

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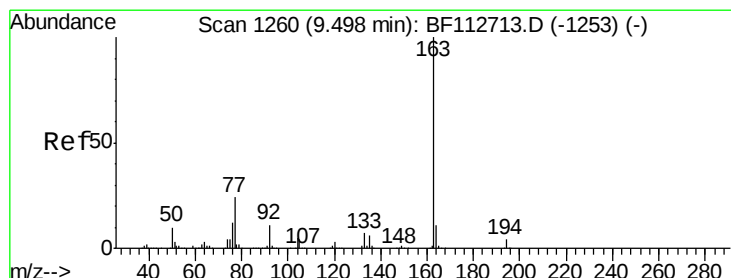
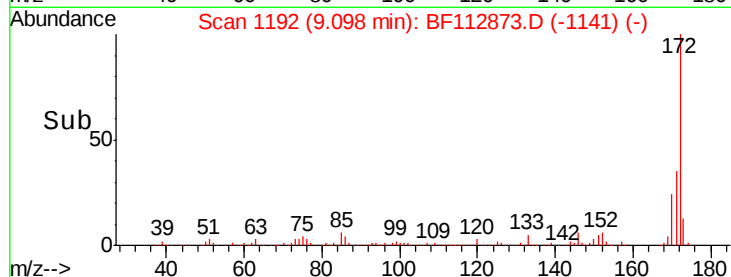
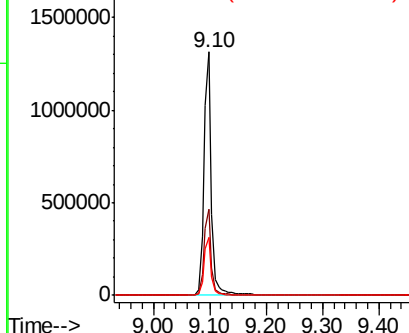


Abundance

Ion 172.00 (171.70 to 172.70): E

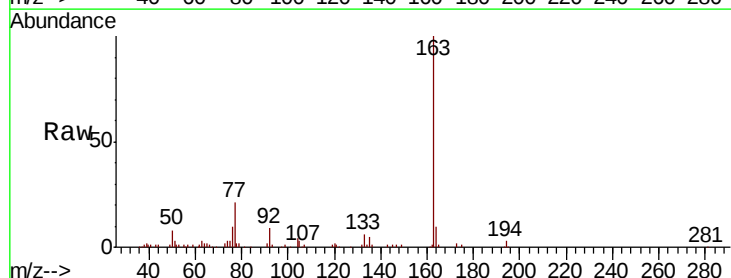
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.306 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112873.D
Acq: 6 Mar 2019 1:03

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.4
164	9.9	8.4	12.6

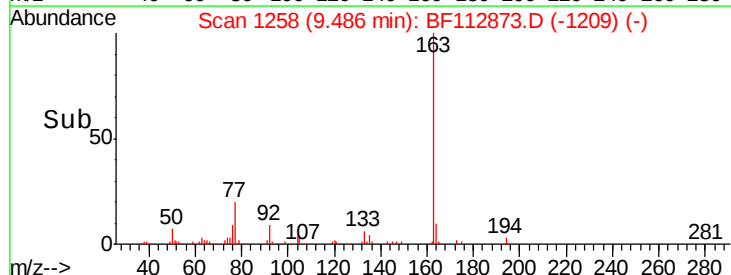
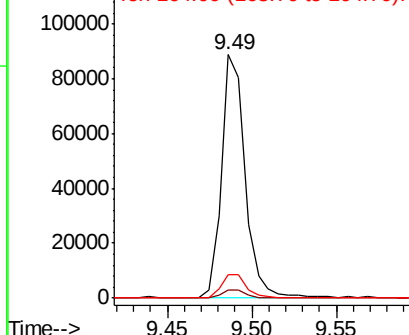


Abundance

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





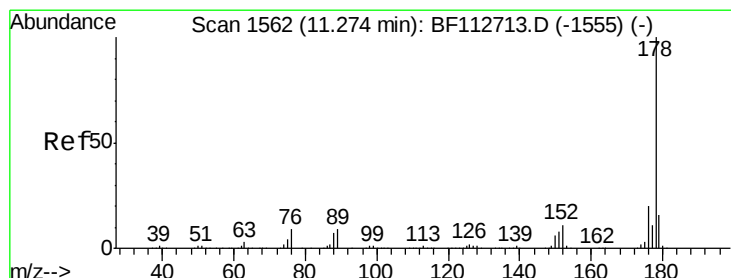
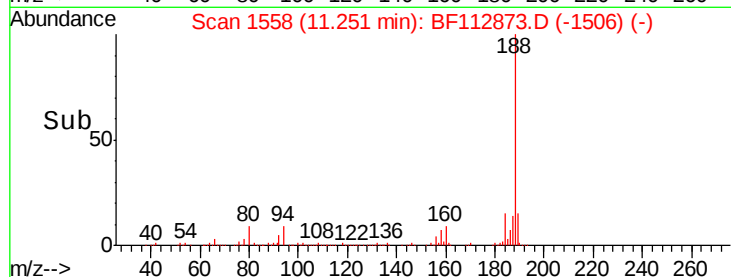
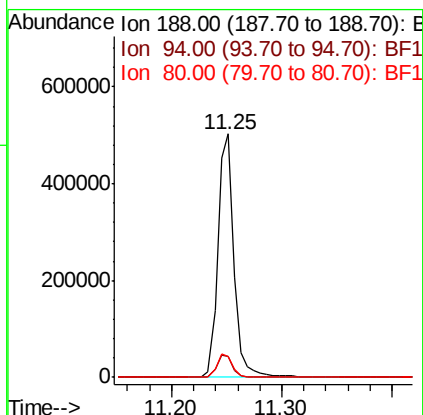
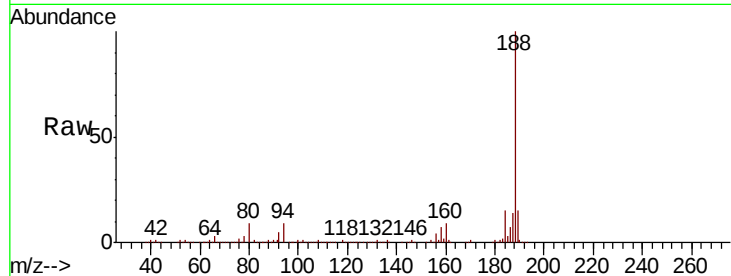
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112873.D
Acq: 6 Mar 2019 1:03

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.6	9.0	13.4#
80	8.8	9.2	13.8#

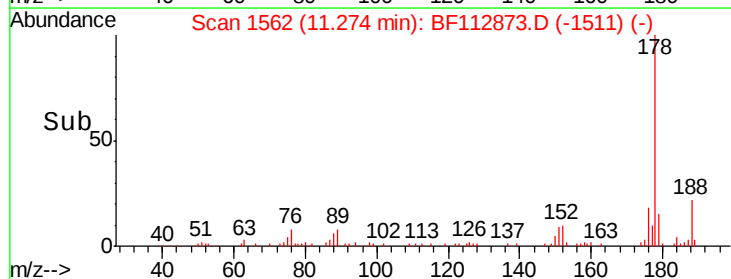
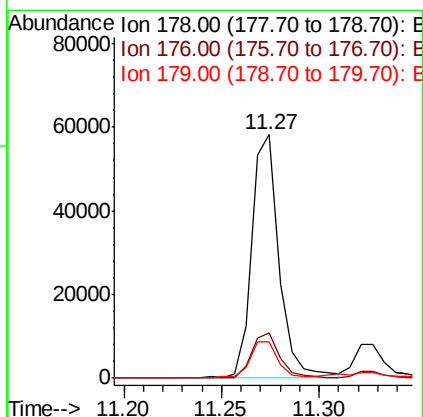
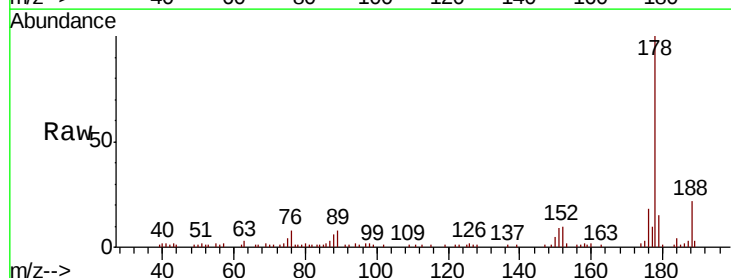
Manual Integrations
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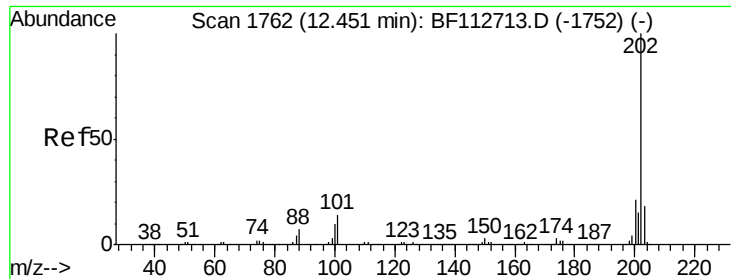
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#71
Phenanthrene
Concen: 2.256 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF112873.D
Acq: 6 Mar 2019 1:03

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	16.3	24.5
179	15.1	12.7	19.1





#75

Fluoranthene

Concen: 6.736 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112873.D

Acq: 6 Mar 2019 1:03

Instrument :

BNA_F

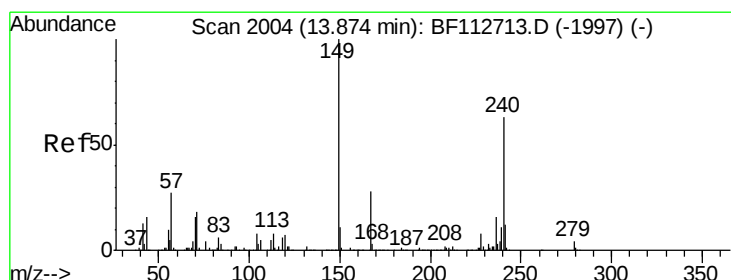
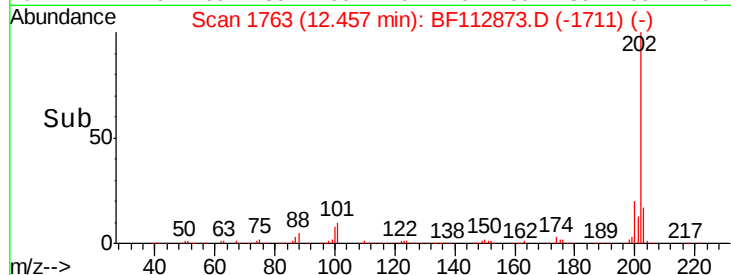
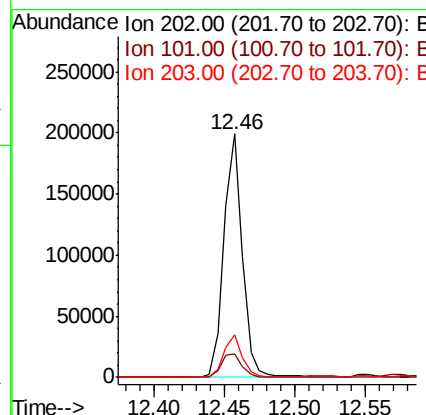
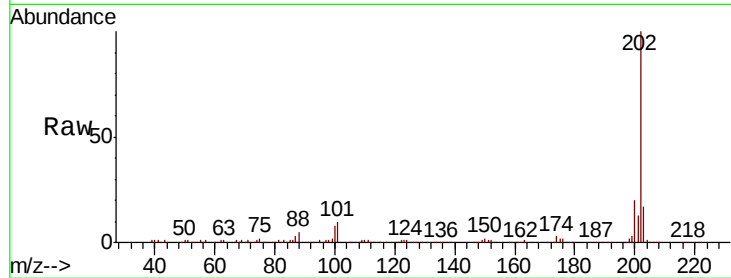
ClientSampleId :

EXT-028-SW004-022719

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.6	0.0	33.8
203	17.5	0.0	38.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

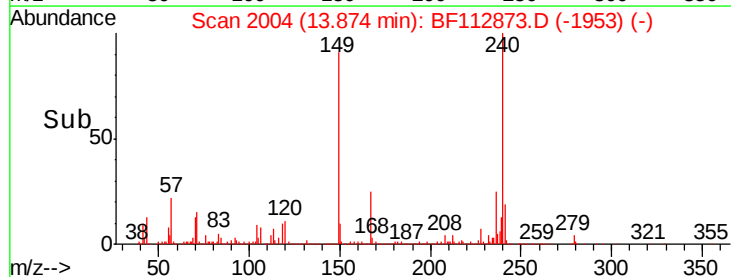
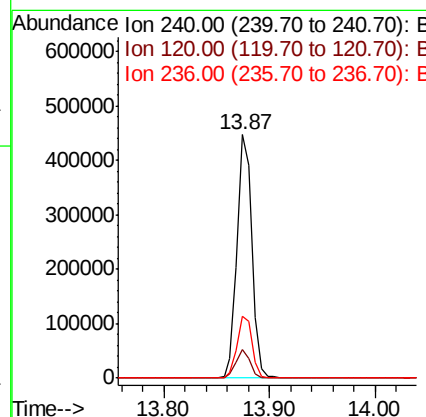
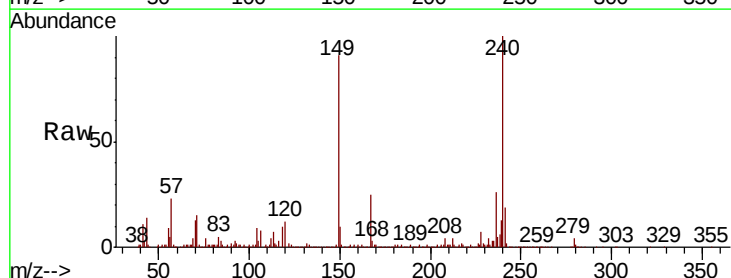
RT: 13.87 min Scan# 2004

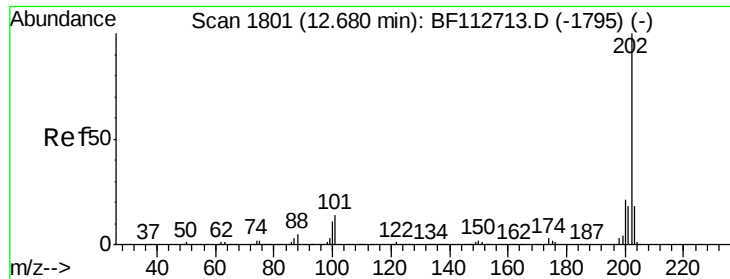
Delta R.T. -0.00 min

Lab File: BF112873.D

Acq: 6 Mar 2019 1:03

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.5	8.9	13.3
236	25.5	20.7	31.1





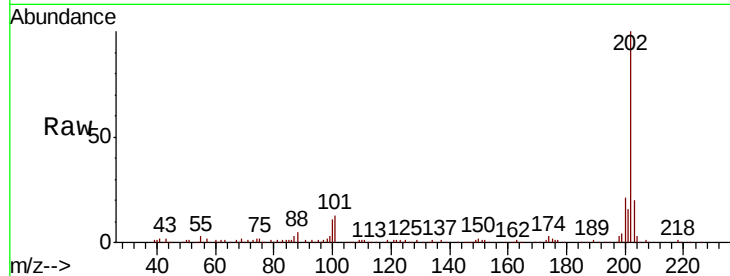
#78
Pvrene
Concen: 4.199 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF112873.D
Acq: 6 Mar 2019 1:03

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	19.6	14.4	21.6

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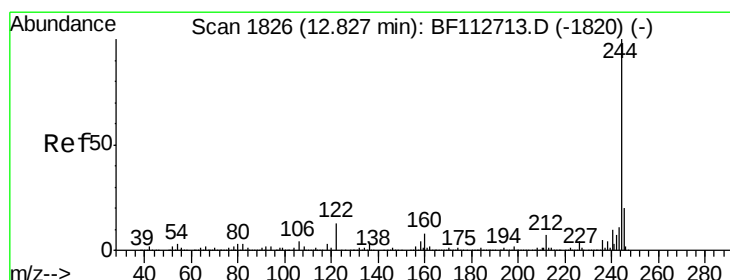
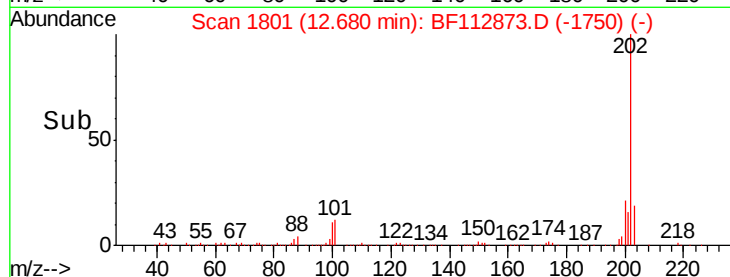
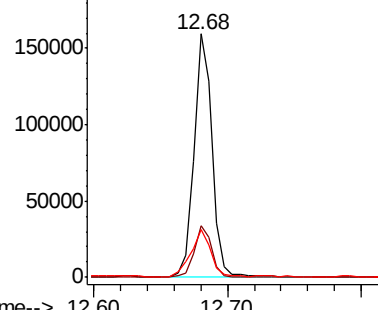


Abundance

Ion 202.00 (201.70 to 202.70): E

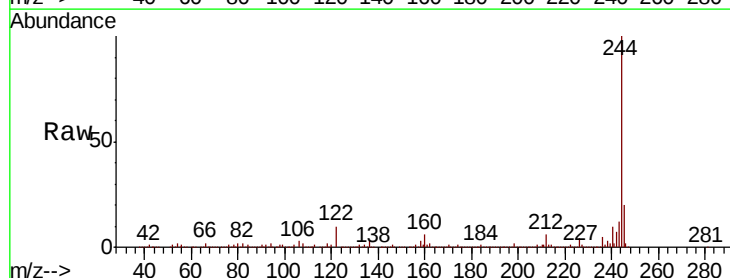
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 52.420 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF112873.D
Acq: 6 Mar 2019 1:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.6	8.4
122	10.3	10.5	15.7#

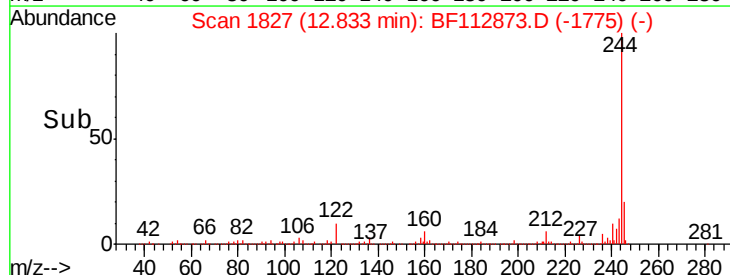
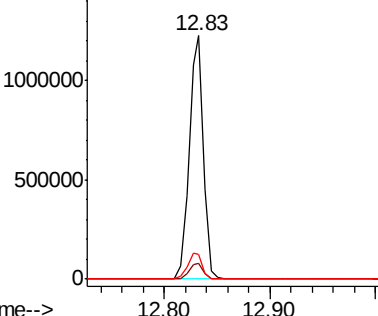


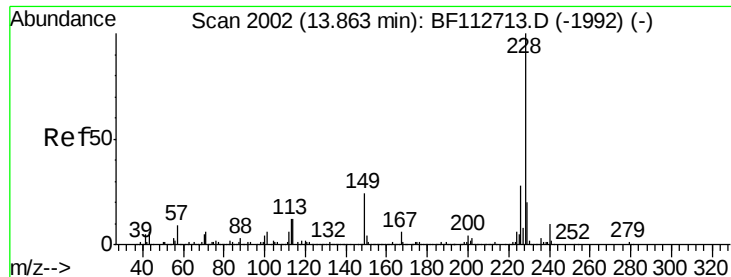
Abundance

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





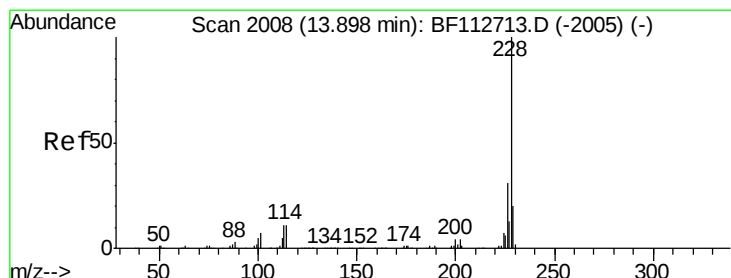
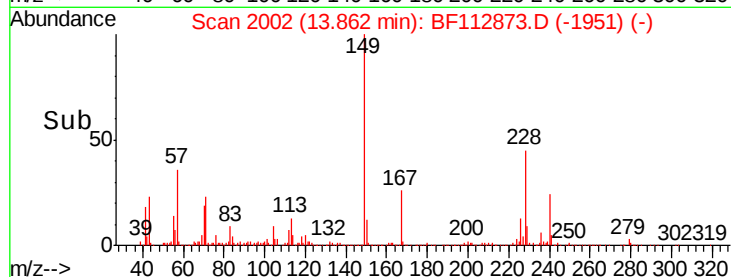
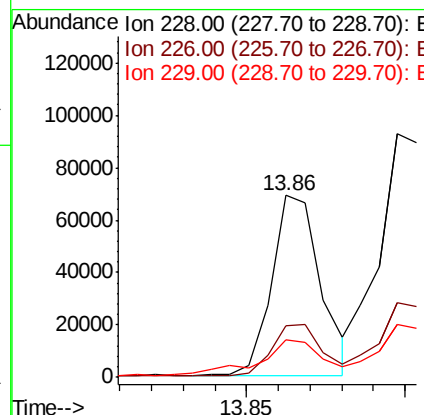
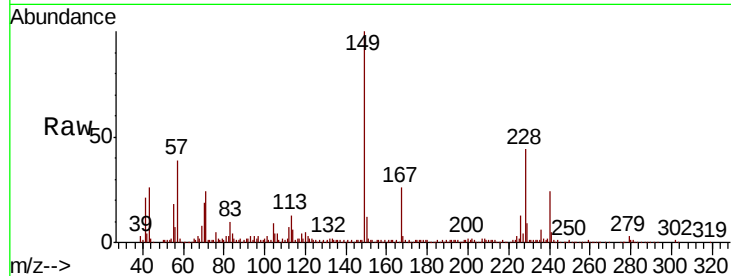
#81
Benzo(a)anthracene
Concen: 2.483 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.00 min
Lab File: BF112873.D
Acq: 6 Mar 2019 1:03

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.2	33.4
229	20.6	16.0	24.0

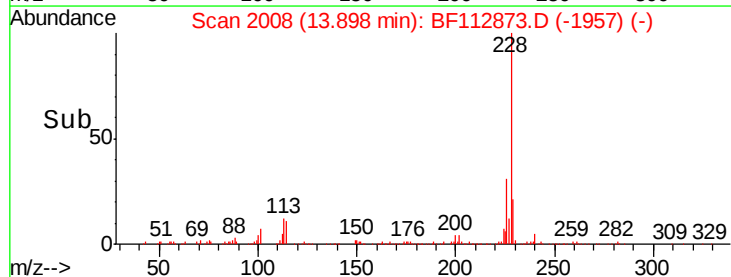
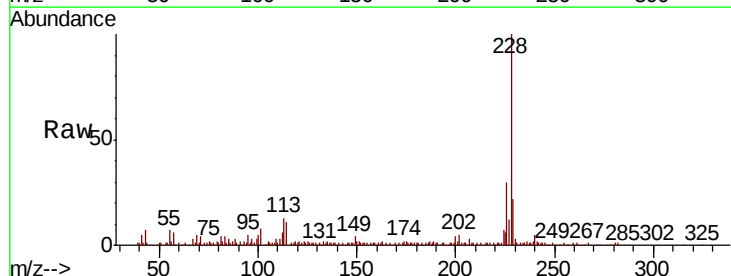
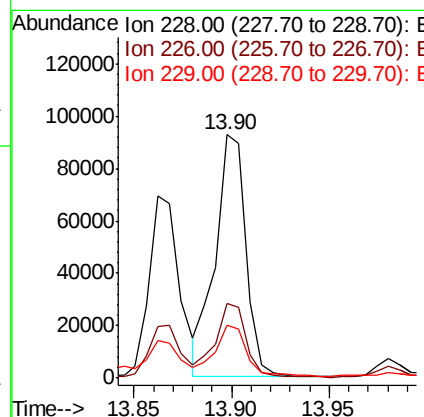
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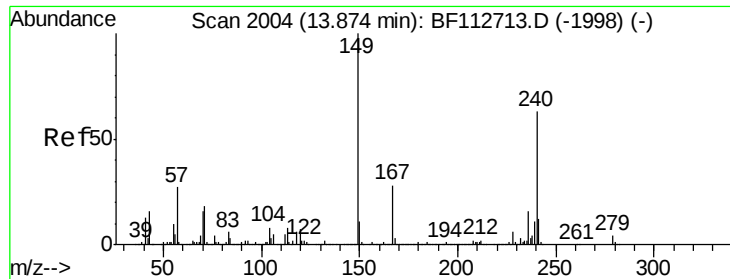
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#83
Chrysene
Concen: 3.448 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF112873.D
Acq: 6 Mar 2019 1:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	21.8	16.3	24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 21.925 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF112873.D

Acq: 6 Mar 2019 1:03

Instrument :

BNA_F

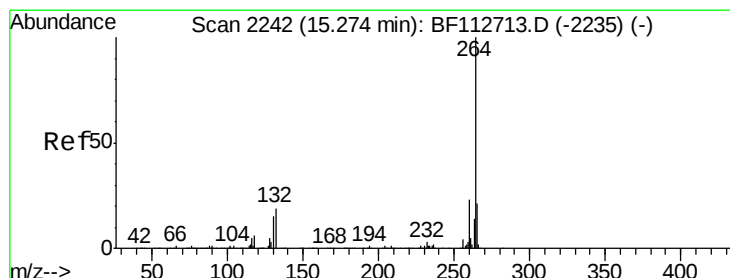
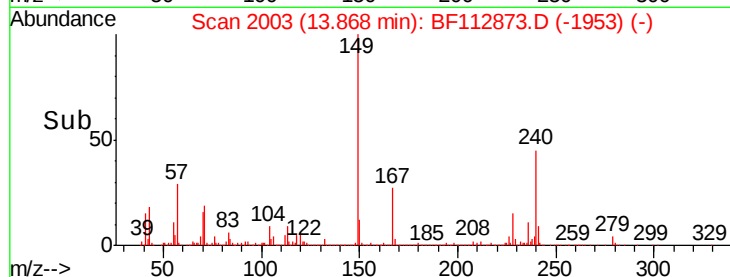
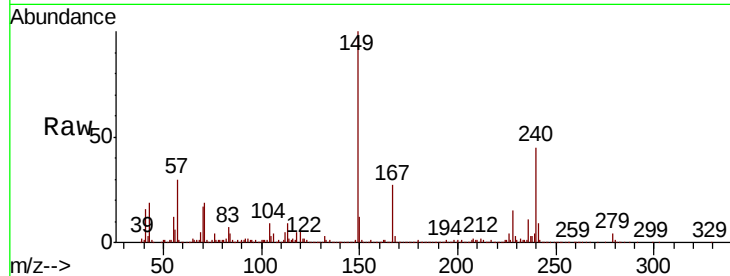
ClientSampleId :

EXT-028-SW004-022719

Tot Ion:	149	Resp:	413657
Ion Ratio		Lower	Upper
149	100		
167	27.1	22.4	33.6
279	3.7	3.3	4.9

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#87

Perylene-d12

Concen: 20.000 ng

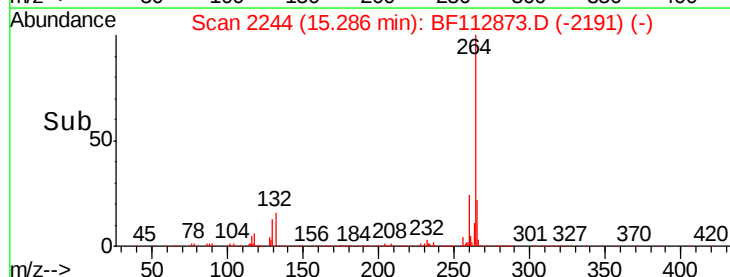
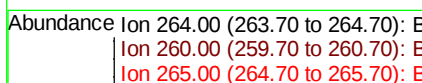
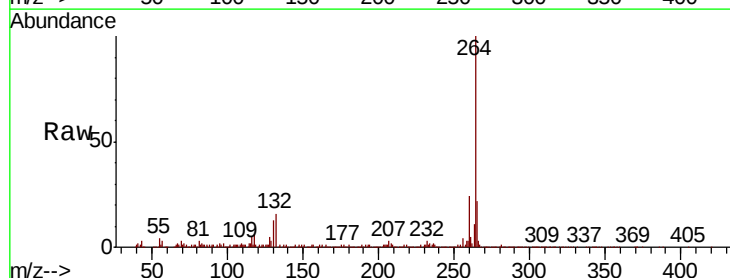
RT: 15.29 min Scan# 2244

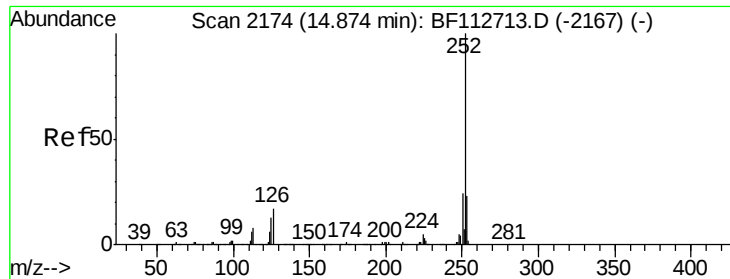
Delta R.T. 0.01 min

Lab File: BF112873.D

Acq: 6 Mar 2019 1:03

Tgt Ion:	264	Resp:	324398
Ion Ratio		Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.0	17.2	25.8





#88

Benzo(b)fluoranthene

Concen: 5.361 ng

RT: 14.89 min Scan# 2176

Delta R.T. 0.01 min

Lab File: BF112873.D

Acq: 6 Mar 2019 1:03

Instrument :

BNA_F

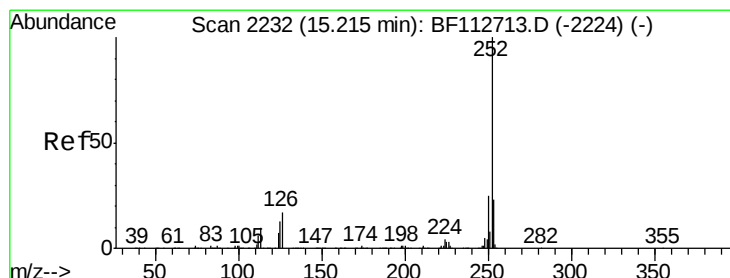
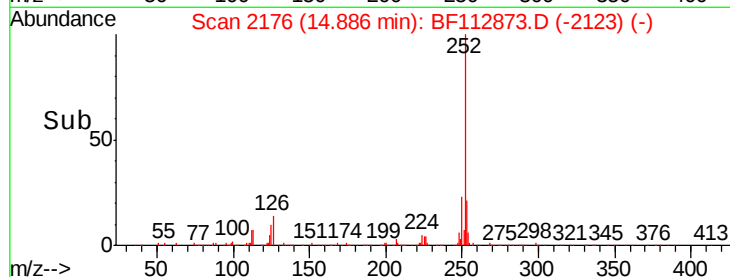
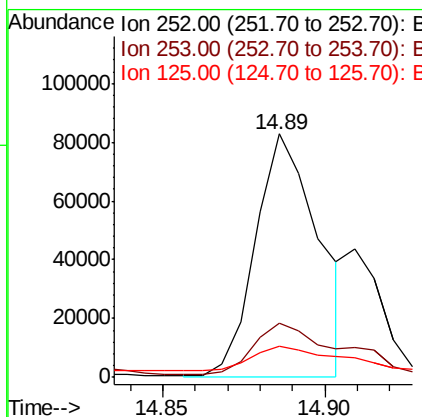
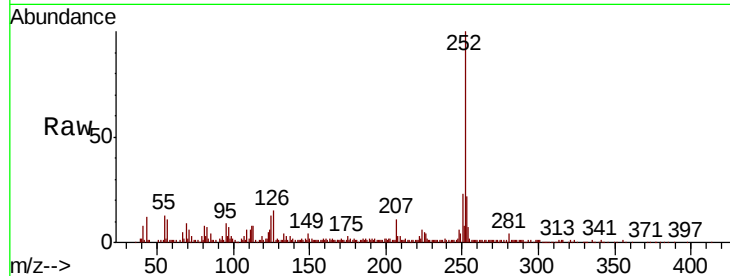
ClientSampleId :

EXT-028-SW004-022719

Tot Ion:	252	Resp:	112491
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.0	27.0
125	12.7	10.2	15.2

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#90

Benzo(a)pyrene

Concen: 3.147 ng

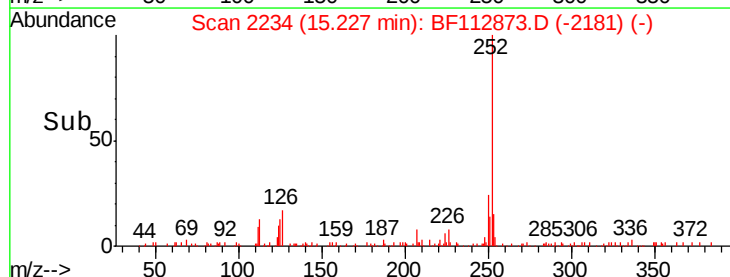
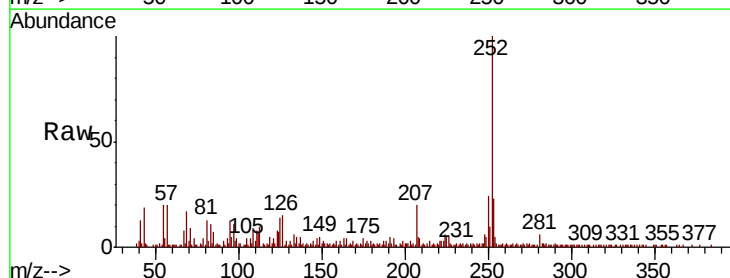
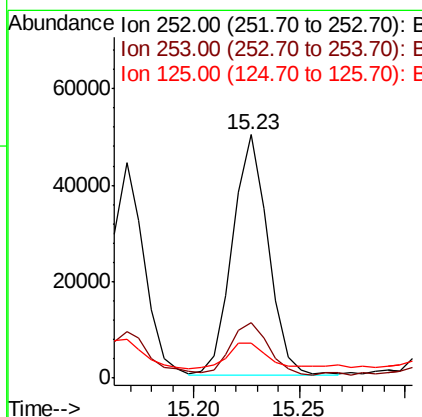
RT: 15.23 min Scan# 2234

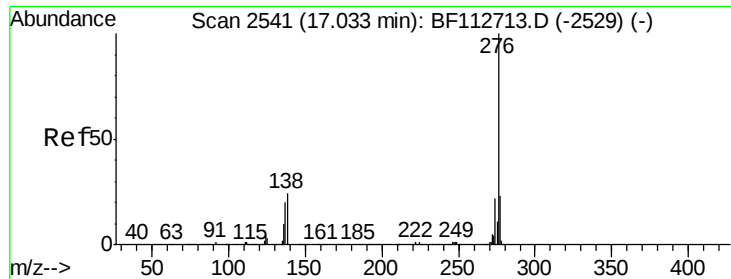
Delta R.T. 0.01 min

Lab File: BF112873.D

Acq: 6 Mar 2019 1:03

Tgt Ion:	252	Resp:	58409
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.0	27.0
125	14.3	10.7	16.1





#92

Benzo(a,h,i)perylene

Concen: 2.164 ng

RT: 17.06 min Scan# 2546

Delta R.T. 0.03 min

Lab File: BF112873.D

Acq: 6 Mar 2019 1:03

Instrument :

BNA_F

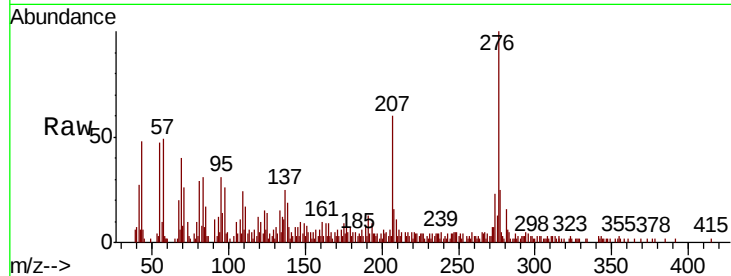
ClientSampleId :

EXT-028-SW004-022719

Tot Ion:	276	Resp:	34416
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.6	27.8
138	18.8	19.4	29.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

