

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030819\
 Data File : BF112951.D
 Acq On : 8 Mar 2019 18:22
 Operator : JU/SJ
 Sample : K1693-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-030719-B

Manual Integrations
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Sohil
 3/11/2019 9:32:22 AM

Quant Time: Mar 08 23:43:40 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	187645	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	703771	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	306295	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	517310	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	483049	20.00	ng	-0.01
87) Perylene-d12	15.27	264	445317	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	556902	46.17	ng	-0.01
7) Phenol-d6	6.36	99	725556	47.88	ng	0.00
23) Nitrobenzene-d5	7.29	82	413726	35.18	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	174599	53.69	ng	-0.02
45) 2-Fluorobiphenyl	9.09	172	762719	35.15	ng	-0.01
79) Terphenyl-d14	12.82	244	655884	26.32	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	8.72	142	47606	2.110	ng	99
49) Acenaphthylene	9.62	152	69286	2.092	ng	99
50) Dimethylphthalate	9.48	163	53070	2.350	ng	# 95
71) Phenanthrene	11.26	178	172220	6.691	ng	97
75) Fluoranthene	12.44	202	245145	8.890	ng	98
78) Pyrene	12.67	202	357730	8.785	ng	99
81) Benzo(a)anthracene	13.85	228	144199m	4.307	ng	
83) Chrysene	13.89	228	167795	5.117	ng	97
88) Benzo(b)fluoranthene	14.87	252	155127m	5.386	ng	
90) Benzo(a)pyrene	15.20	252	119193	4.678	ng	94
92) Benzo(g,h,i)perylene	17.02	276	59603	2.730	ng	96

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

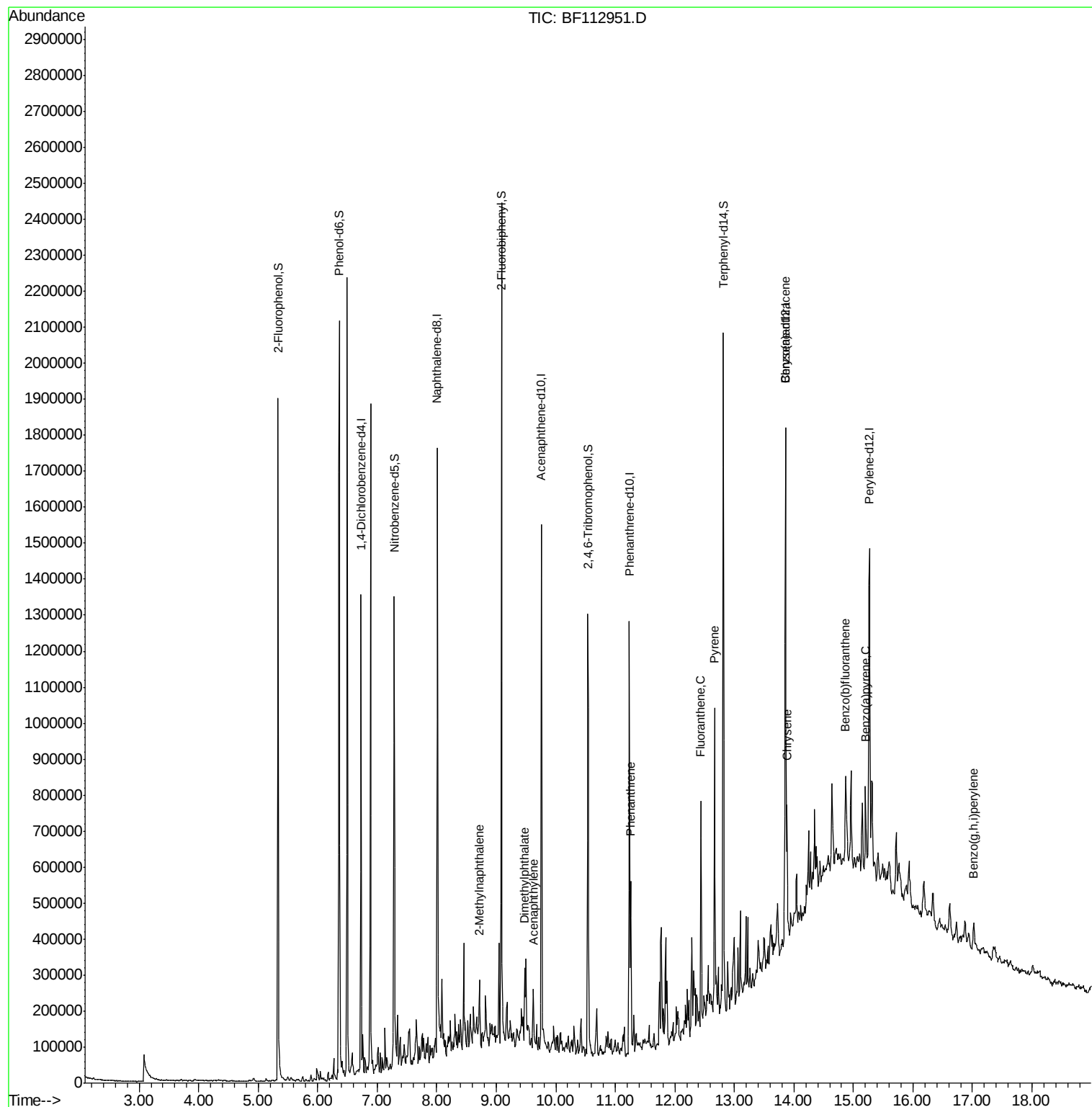
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030819\
Data File : BF112951.D
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Operator : JU/SJ
Sample : K1693-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

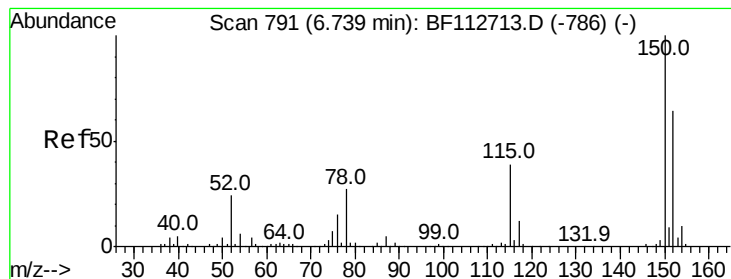
Instrument :
BNA_F
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OR-01-030719-B

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Quant Time: Mar 08 23:43:40 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
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#1

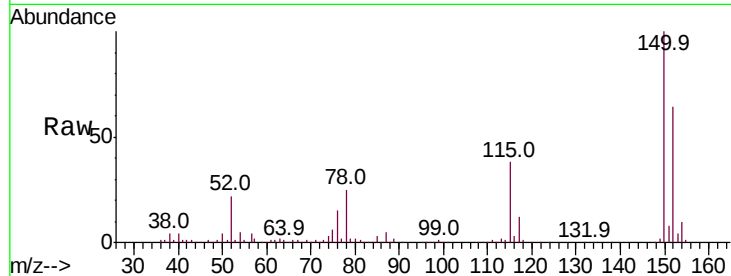
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Instrument :
BNA_F
ClientSampleId :
OR-01-030719-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.2	186.2
115	59.4	48.2	72.4

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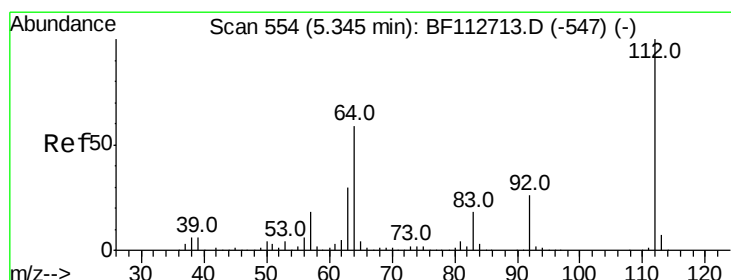
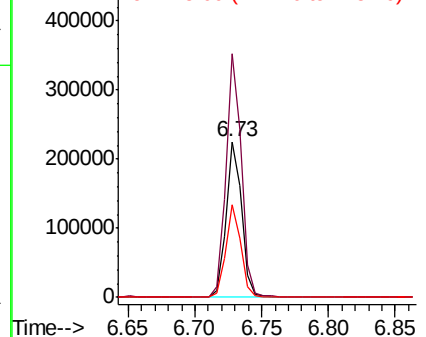
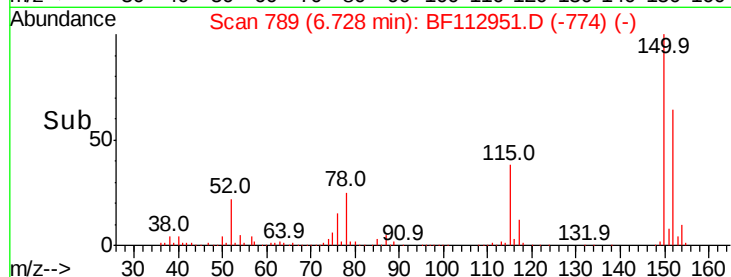


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

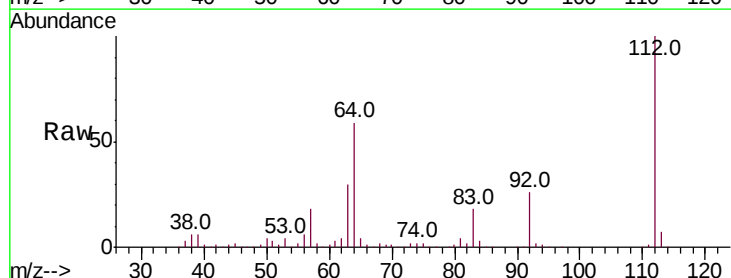
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.166 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.6	71.4
63	30.3	24.4	36.6

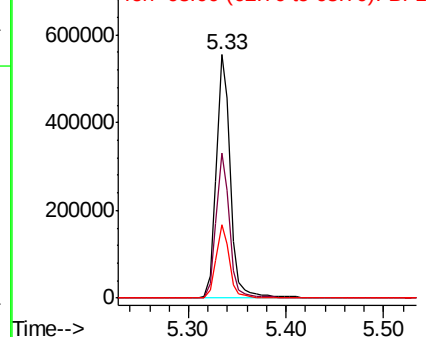
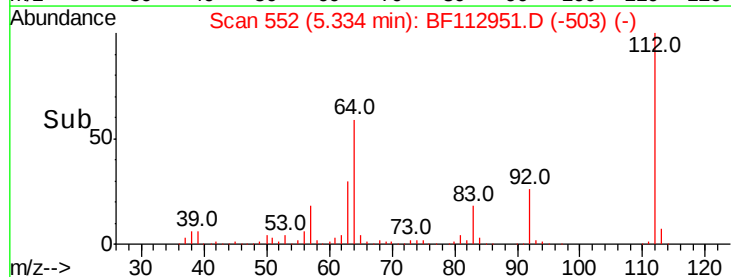


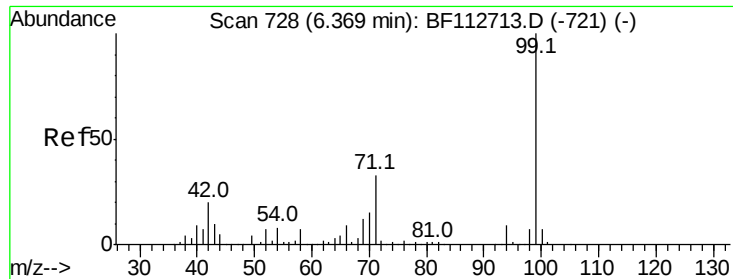
Abundance

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: 47.882 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112951.D

Acq: 8 Mar 2019 18:22

Instrument :

BNA_F

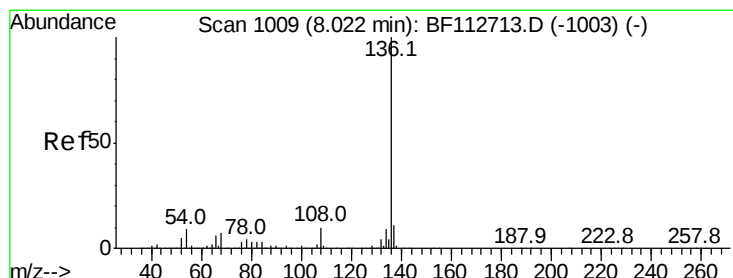
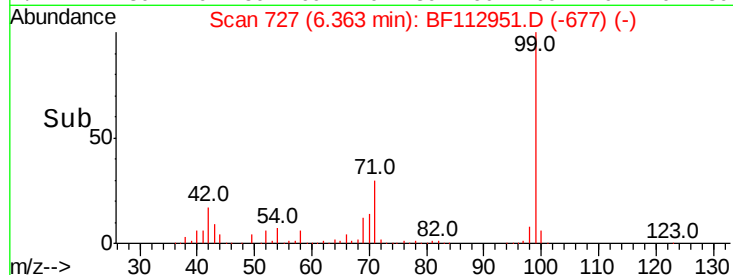
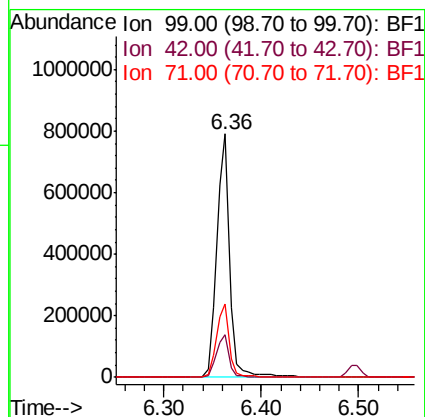
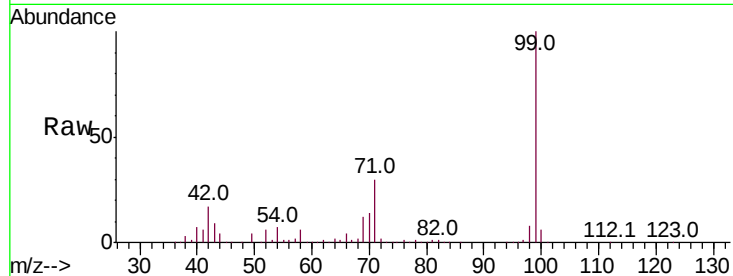
ClientSampleId :

OR-01-030719-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		725556		
42	17.3	16.3	24.5		
71	30.2	26.2	39.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

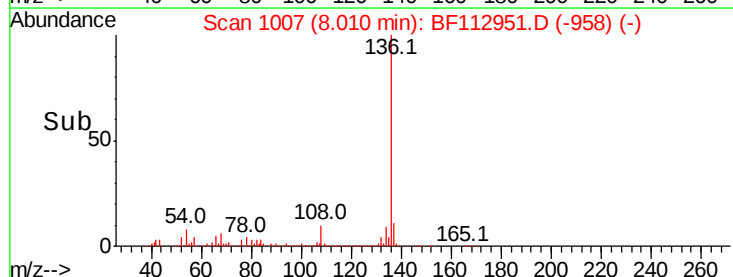
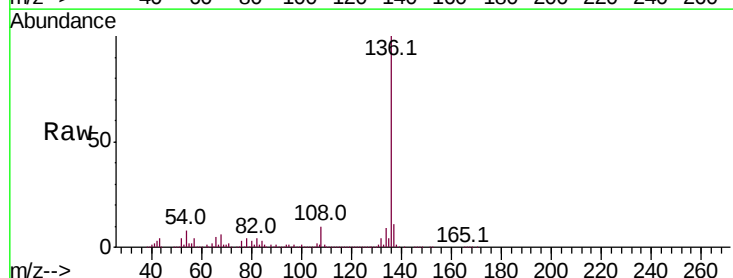
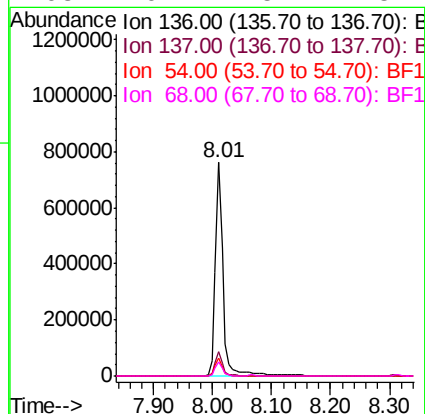
RT: 8.01 min Scan# 1007

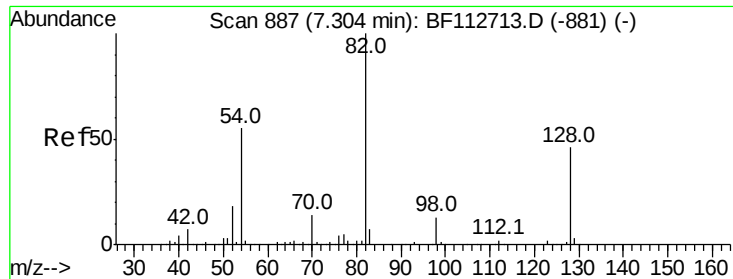
Delta R.T. -0.01 min

Lab File: BF112951.D

Acq: 8 Mar 2019 18:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		703771		
137	11.1	8.9	13.3		
54	8.3	7.3	10.9		
68	6.4	5.4	8.2		





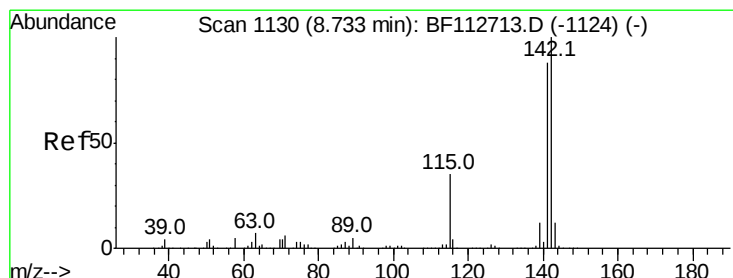
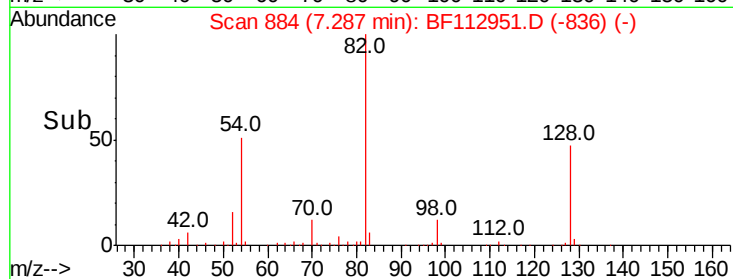
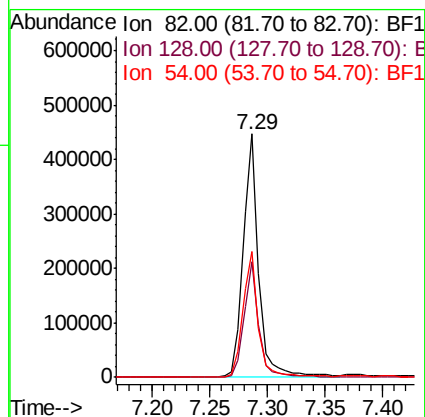
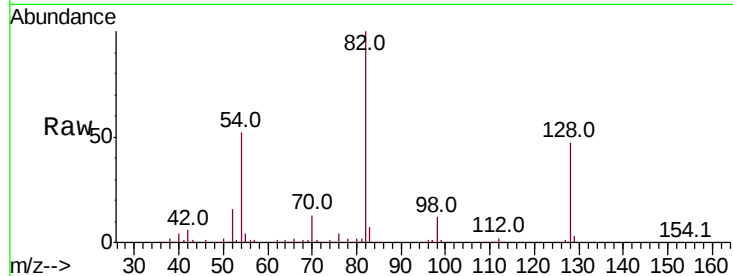
#23
Nitrobenzene-d5
Concen: 35.177 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Instrument :
BNA_F
ClientSampleId :
OR-01-030719-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.3	36.3	54.5	
54	51.5	43.7	65.5	

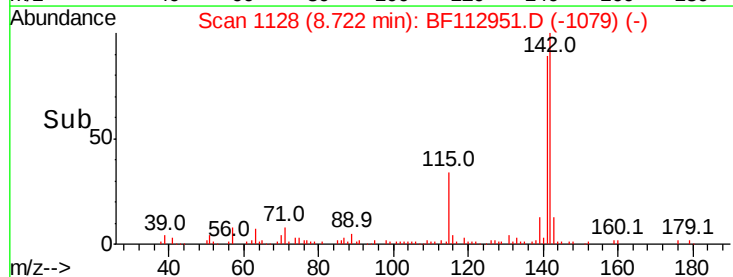
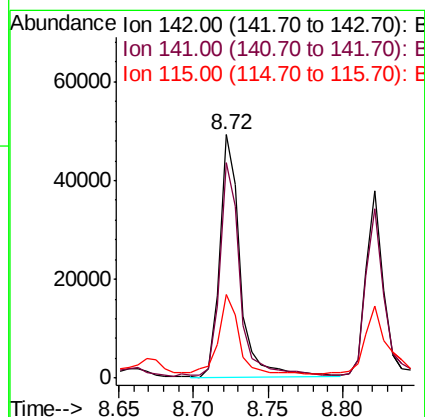
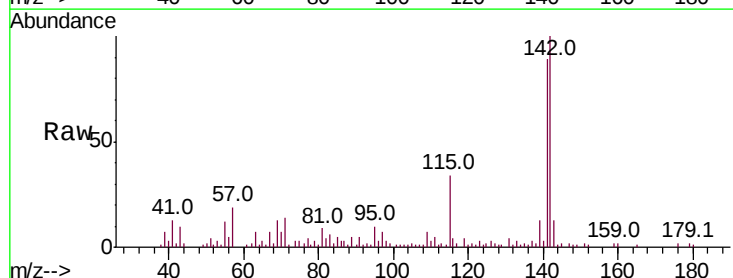
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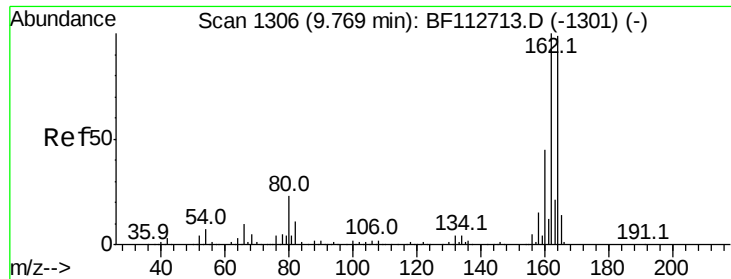
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#37
2-Methylnaphthalene
Concen: 2.110 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	88.6	70.3	105.5	
115	34.2	27.8	41.6	





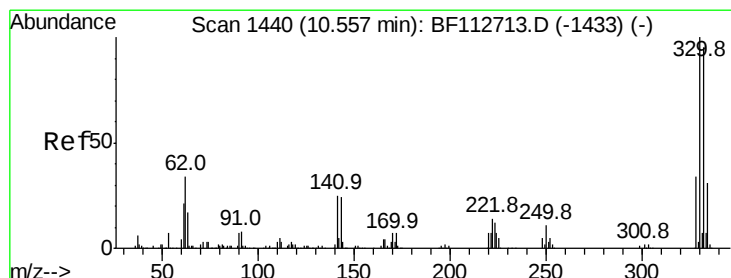
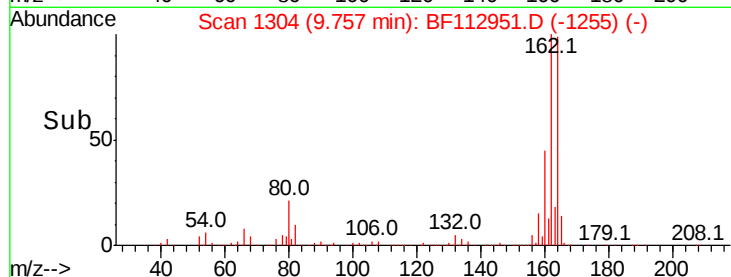
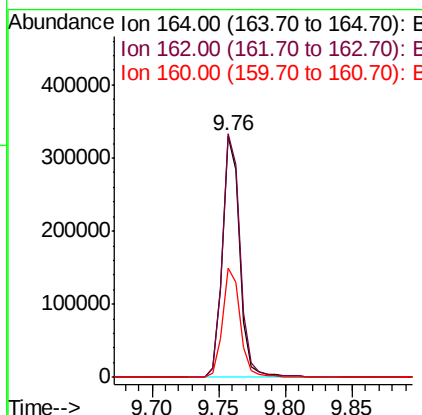
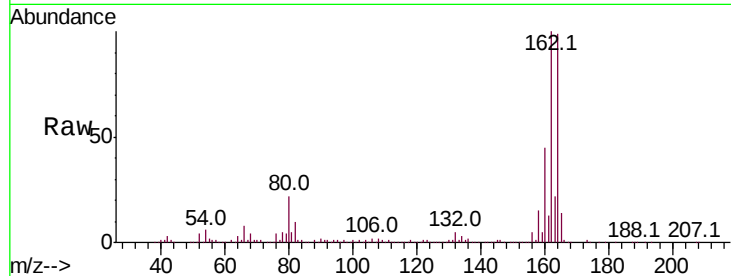
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF112951.D
 Acq: 8 Mar 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-030719-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.9	80.6	120.8	
160	45.4	36.0	54.0	

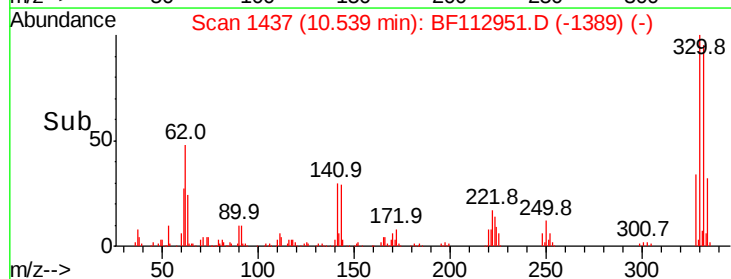
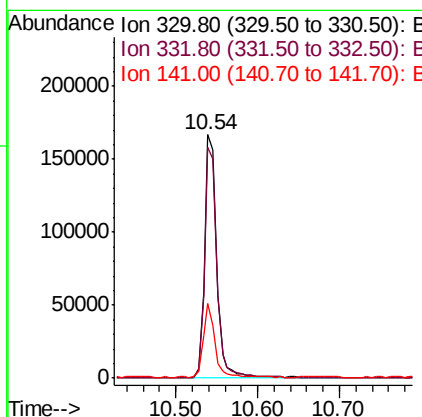
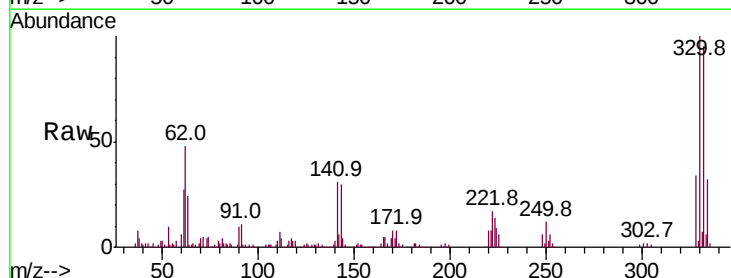
Manual Integrations
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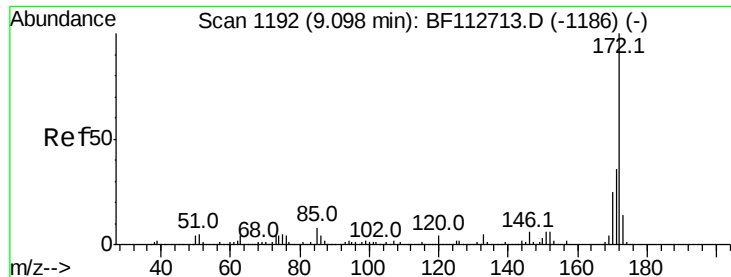
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#42
 2,4,6-Tribromophenol
 Concen: 53.695 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: BF112951.D
 Acq: 8 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	76.2	114.4	
141	28.6	27.0	40.6	





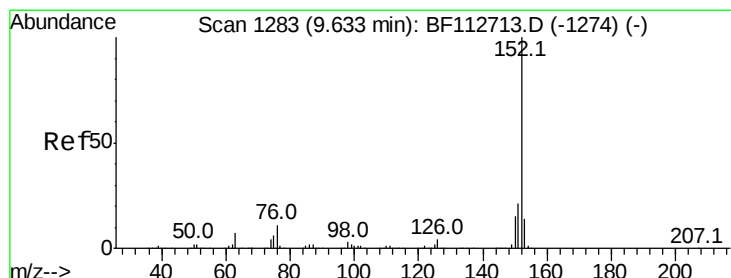
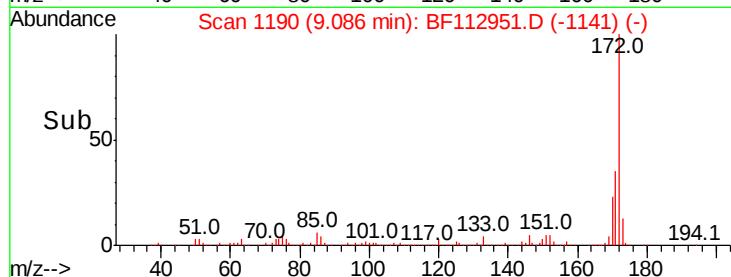
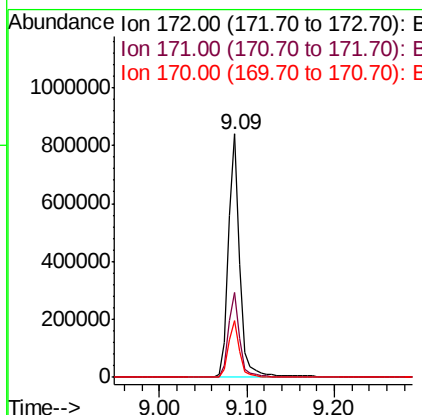
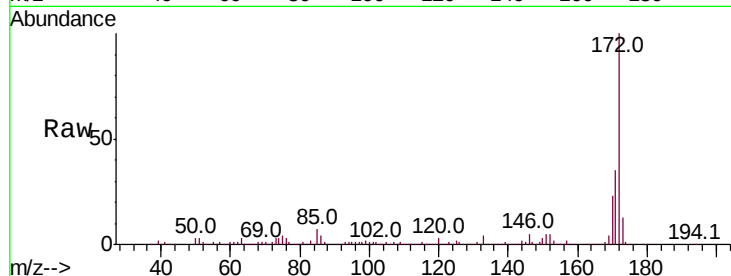
#45
2-Fluorobiphenyl
Concen: 35.147 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Instrument :
BNA_F
ClientSampleId :
OR-01-030719-B

Tot Ion	Ratio	Resp	Lower	Upper
172	100	762719		
171	34.7		29.0	43.4
170	23.2		20.0	30.0

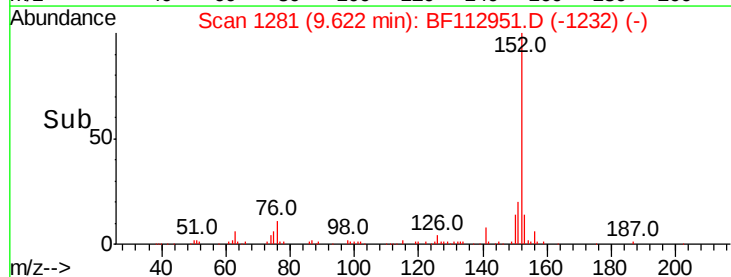
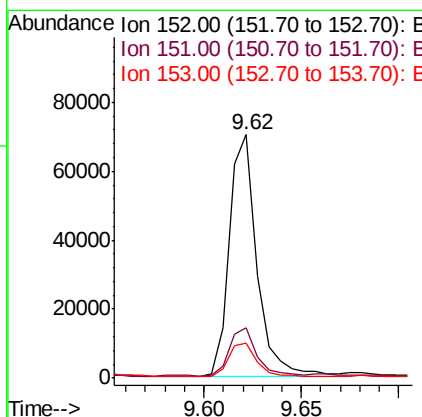
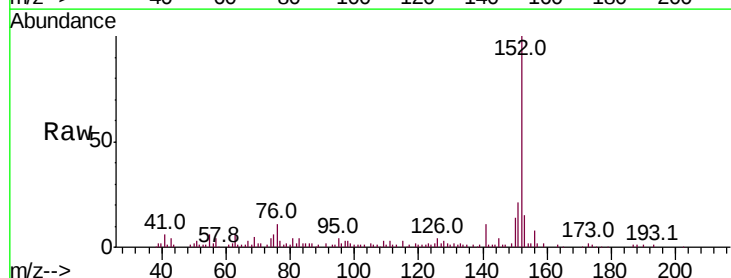
Manual Integrations
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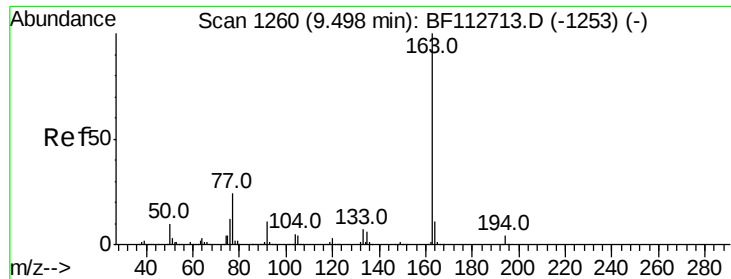
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#49
Acenaphthylene
Concen: 2.092 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	69286		
151	20.8		16.9	25.3
153	14.6		11.0	16.6





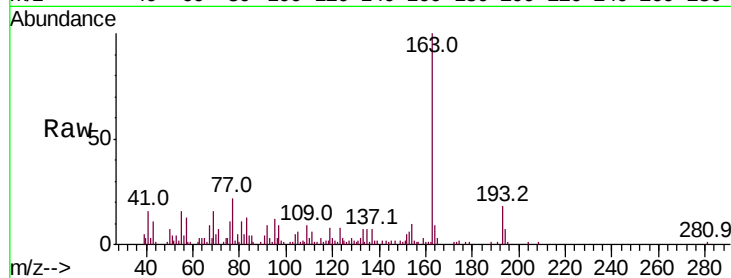
#50
Dimethylphthalate
Concen: 2.350 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Instrument :
BNA_F
ClientSampled :
OR-01-030719-B

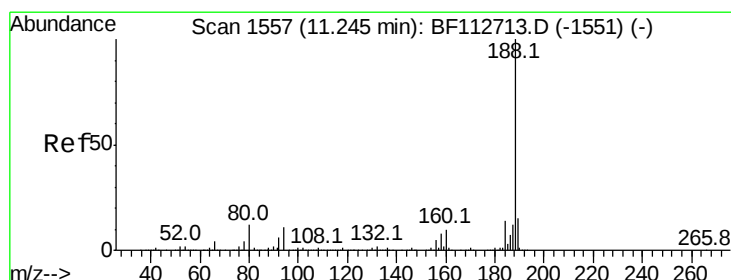
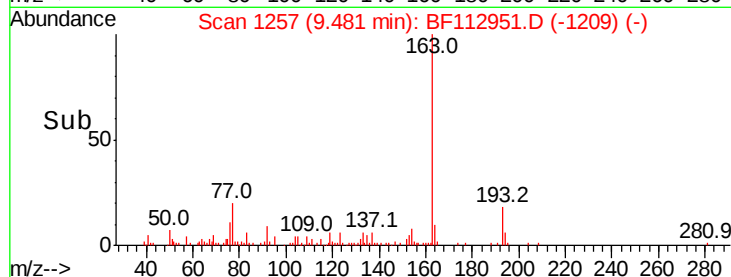
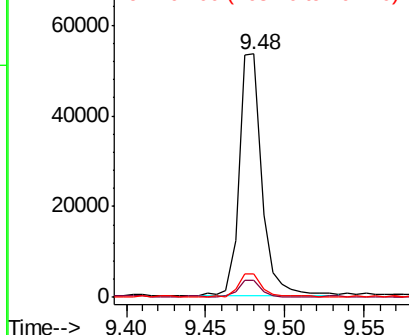
Tot Ion	Ratio	Lower	Upper
163	100		
194	7.2	3.0	4.4#
164	9.5	8.4	12.6

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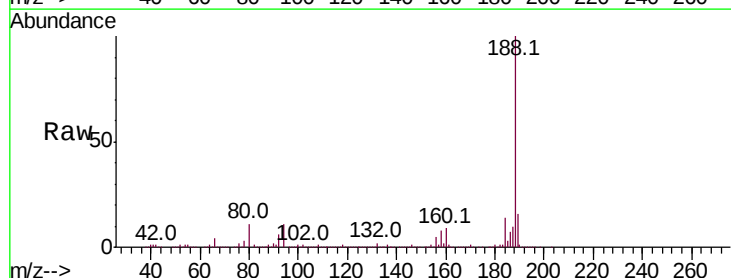


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

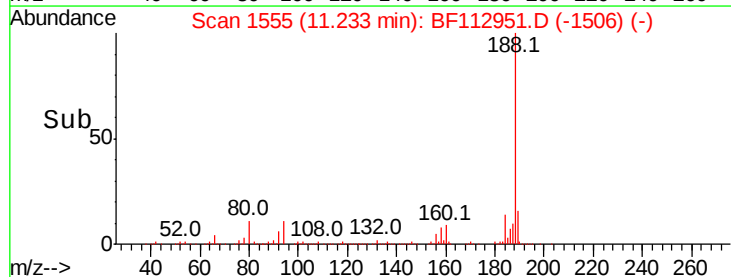
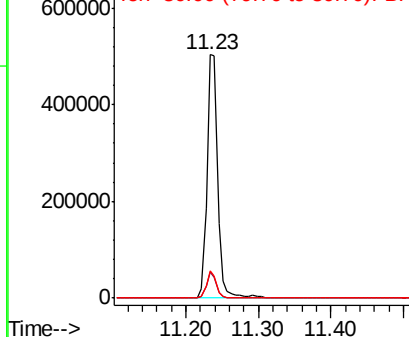


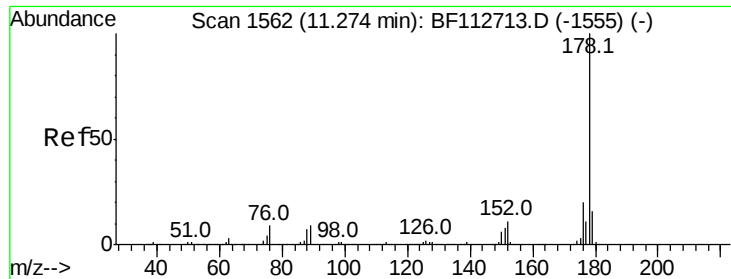
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.0	13.4
80	11.1	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: 6.691 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BF112951.D

Acq: 8 Mar 2019 18:22

Instrument :

BNA_F

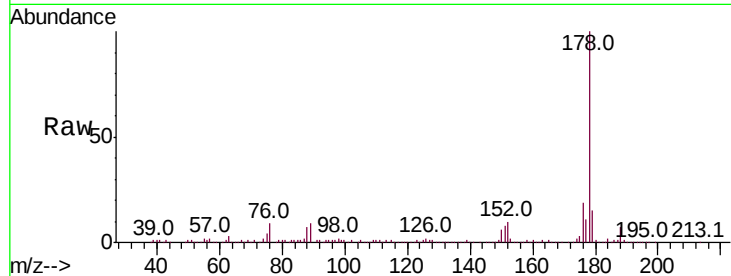
ClientSampleId :

OR-01-030719-B

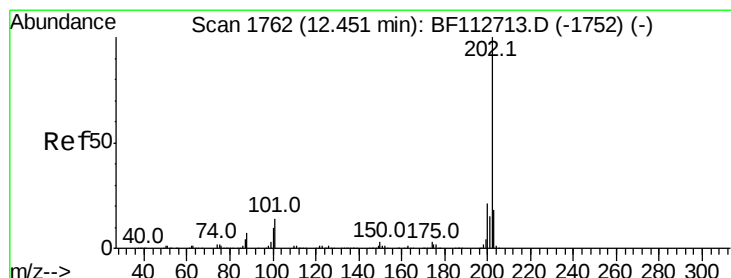
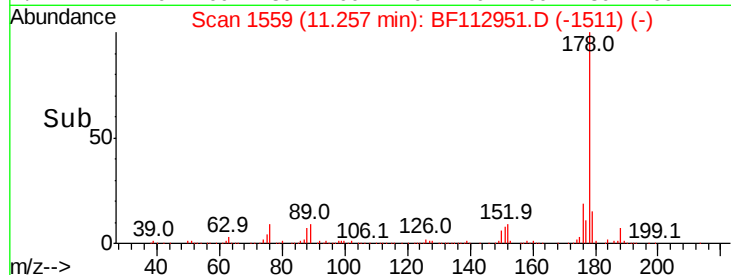
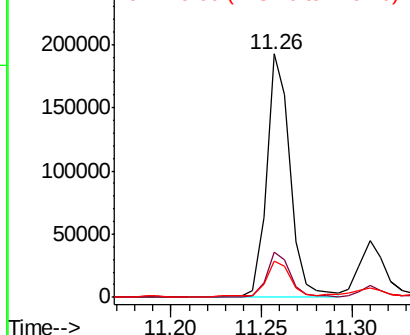
Tot Ion:	178	Resp:	172220
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.3	24.5
179	15.1	12.7	19.1

Manual Integrations
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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: 8.890 ng

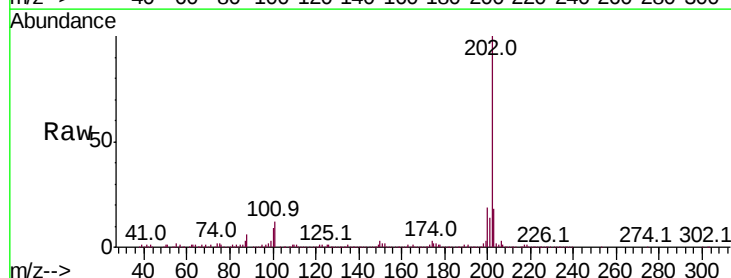
RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

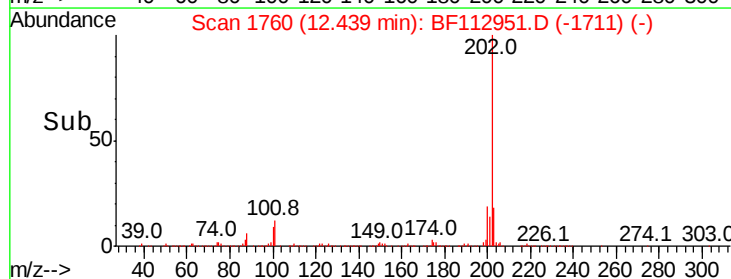
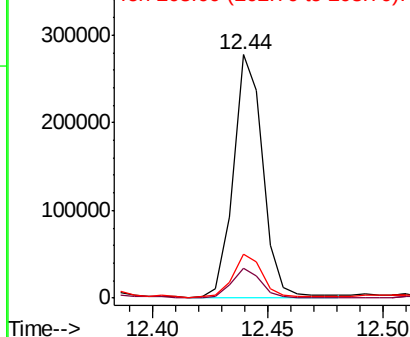
Lab File: BF112951.D

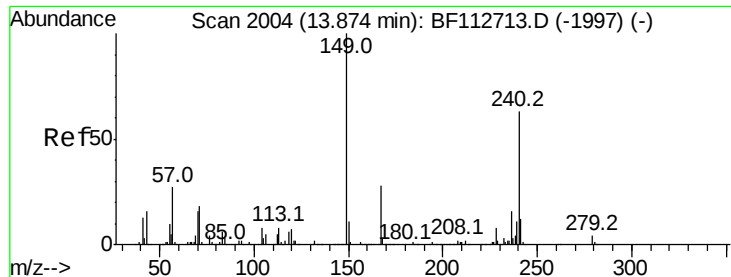
Acq: 8 Mar 2019 18:22

Tgt Ion:	202	Resp:	245145
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	33.8
203	17.9	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





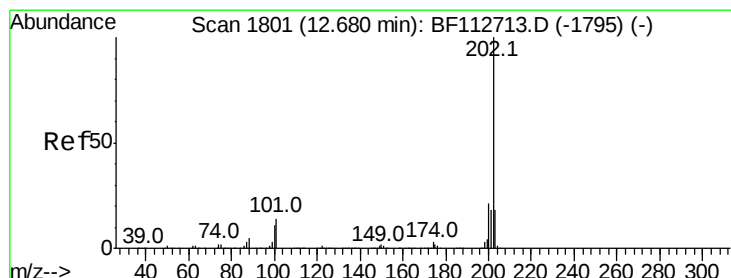
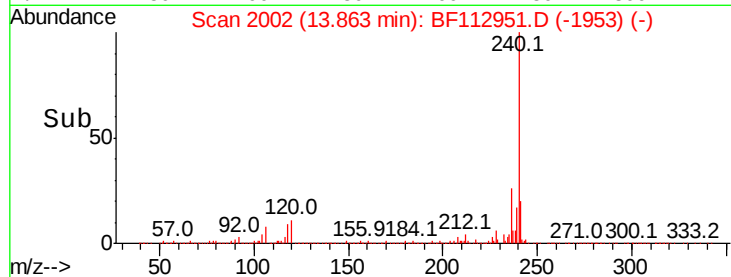
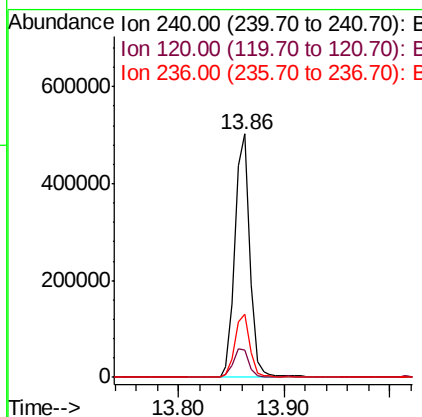
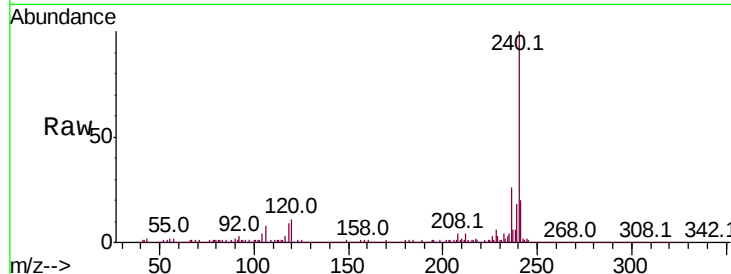
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Instrument :
BNA_F
ClientSampleId :
OR-01-030719-B

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.0	8.9	13.3	
236	26.1	20.7	31.1	

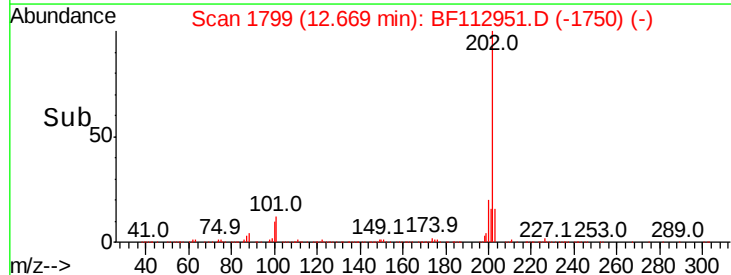
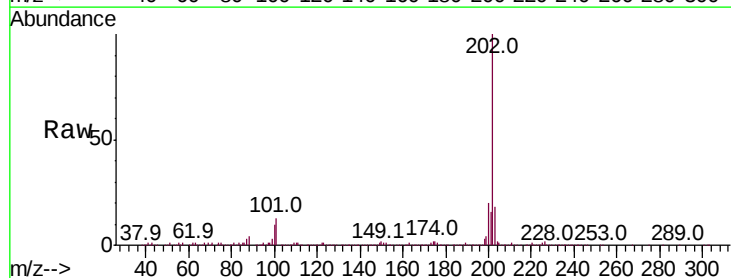
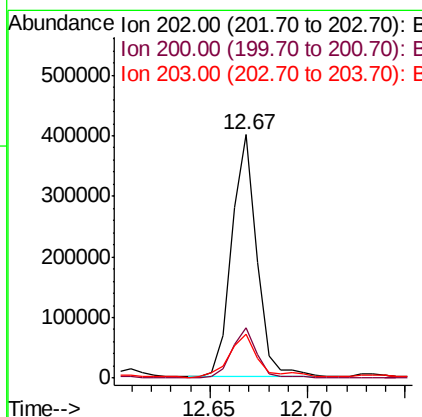
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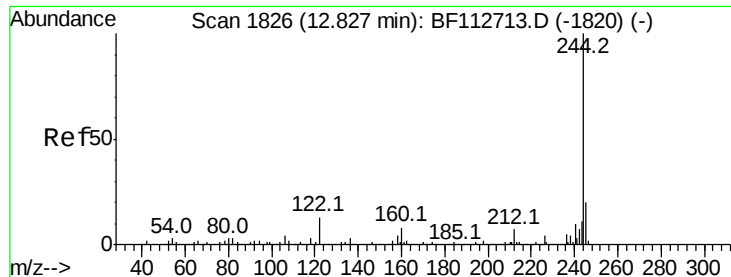
Sohil
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#78
Pyrene
Concen: 8.785 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.4	17.0	25.4	
203	17.9	14.4	21.6	





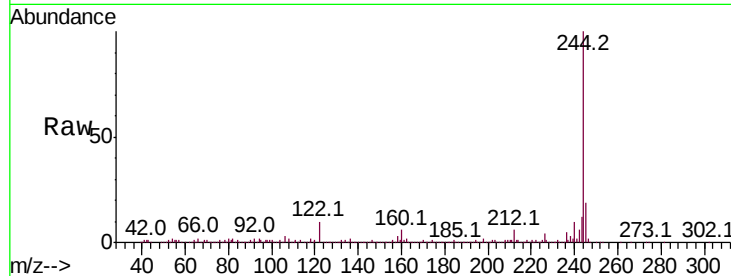
#79
 Terphenyl-d14
 Concen: 26.321 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112951.D
 Acq: 8 Mar 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-030719-B

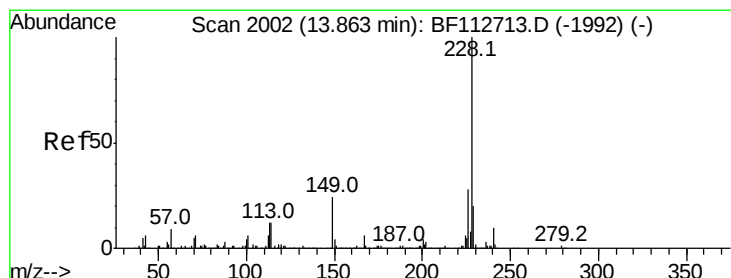
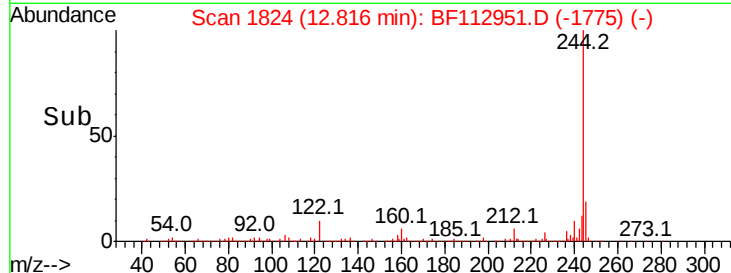
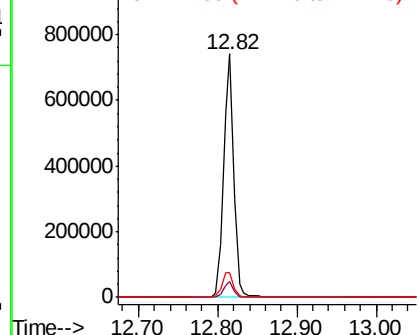
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.6	8.4
122	10.1	10.5	15.7

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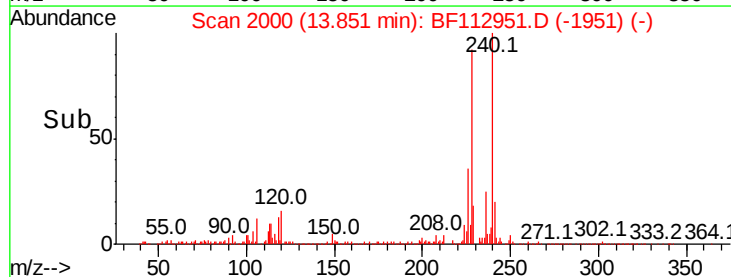
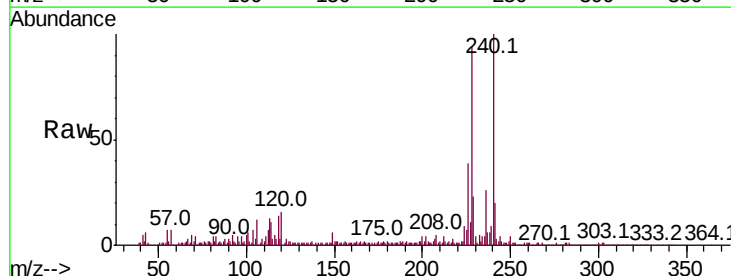
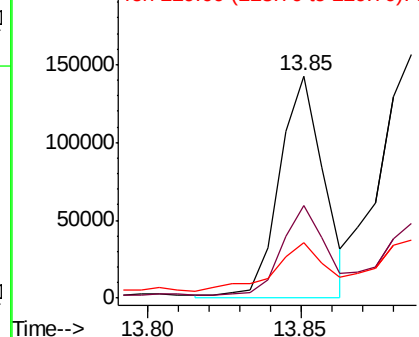
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

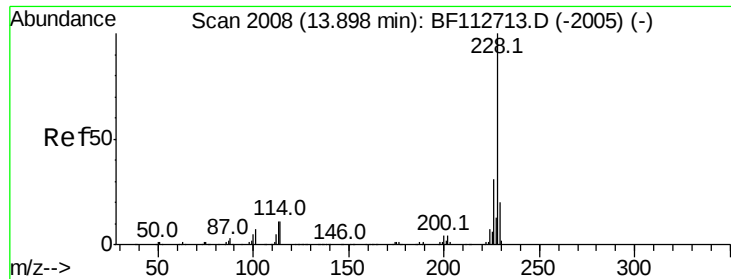


#81
 Benzo(a)anthracene
 Concen: 4.307 ng m
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF112951.D
 Acq: 8 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	41.6	22.2	33.4
229	24.9	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





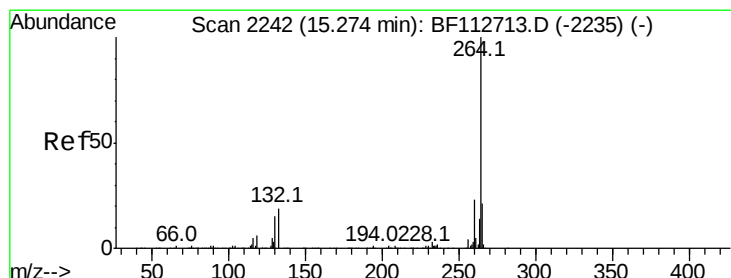
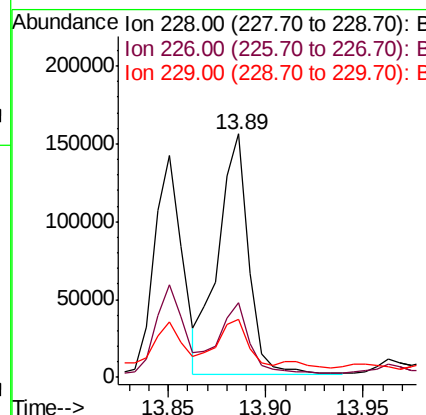
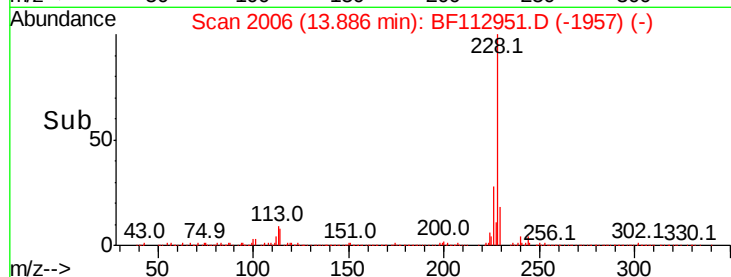
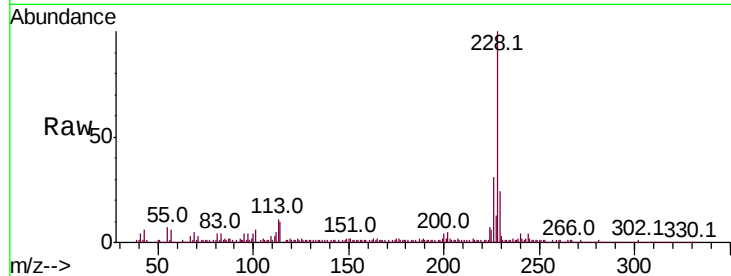
#83
Chrysene
Concen: 5.117 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Instrument :
BNA_F
ClientSampleId :
OR-01-030719-B

Tot Ion:	228	Resp:	167795
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.9	37.3
229	23.7	16.3	24.5

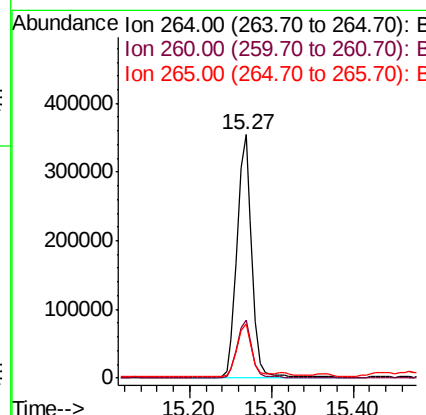
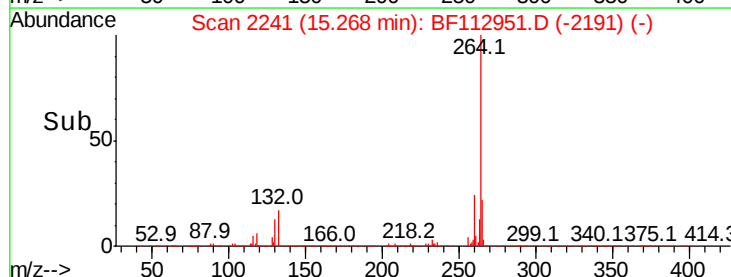
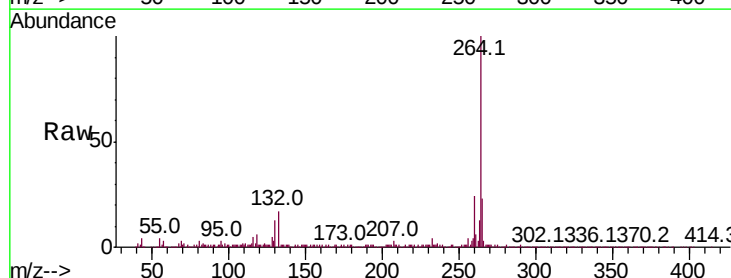
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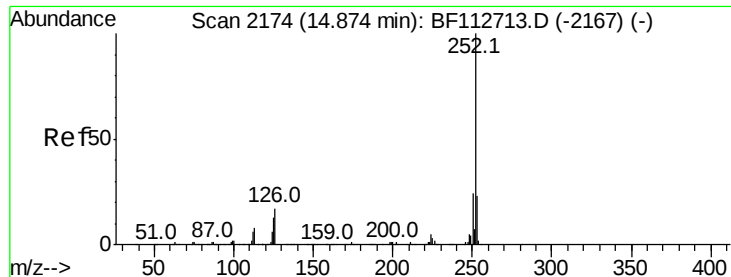
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Tgt Ion:	264	Resp:	445317
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.7	28.1
265	22.5	17.2	25.8





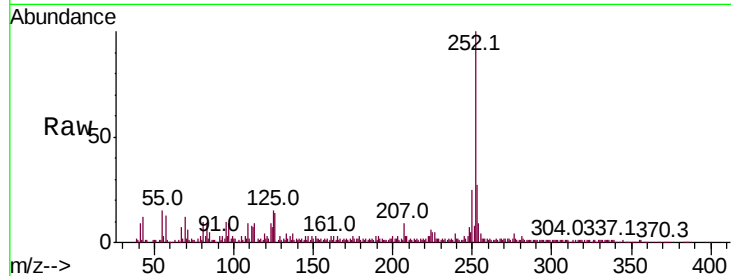
#88
Benzo(b)fluoranthene
Concen: 5.386 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Instrument :
BNA_F
ClientSampleId :
OR-01-030719-B

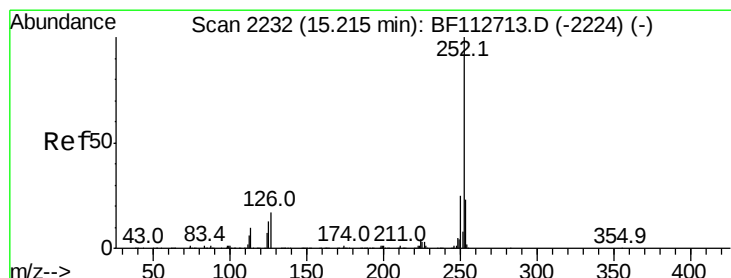
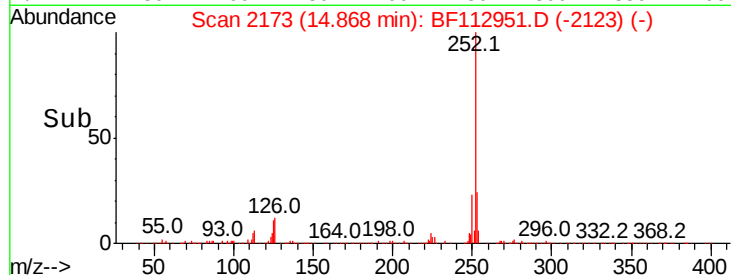
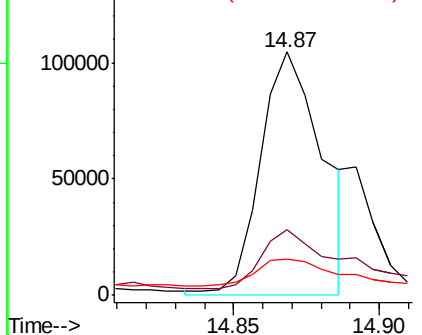
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.0	27.0#
125	14.8	10.2	15.2

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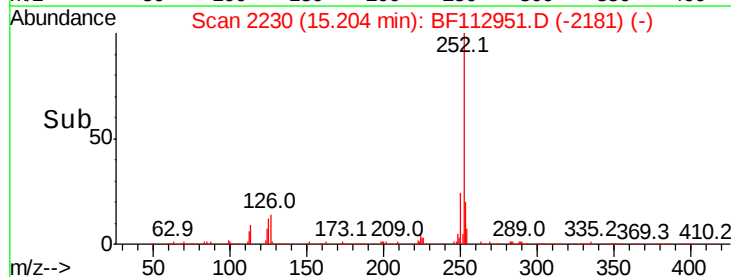
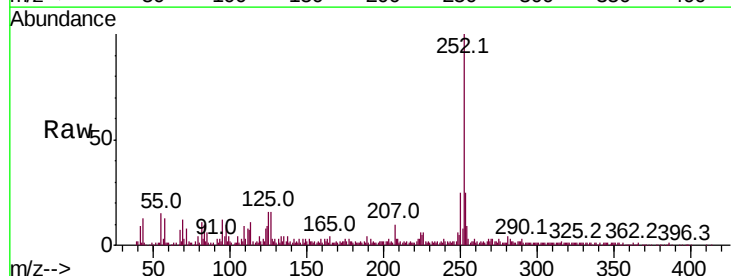
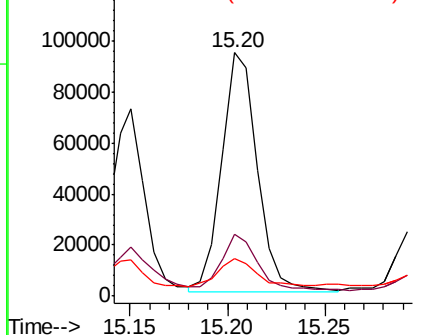
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

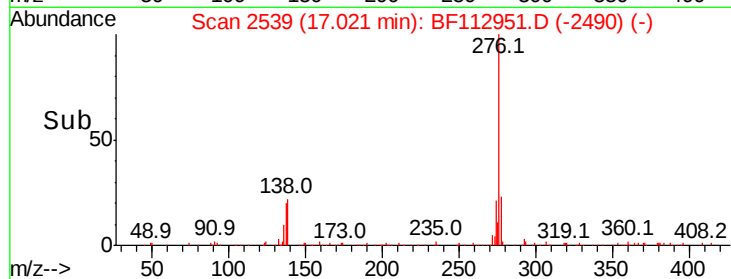
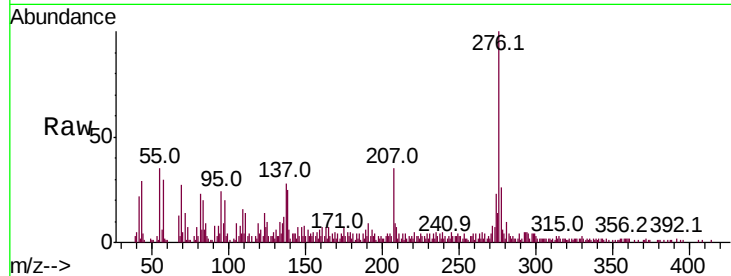
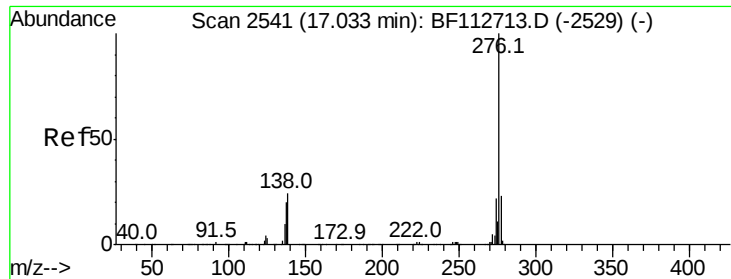


#90
Benzo(a)pyrene
Concen: 4.678 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF112951.D
Acq: 8 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.0	27.0
125	15.7	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: 2.730 ng
 RT: 17.02 min Scan# 2539
 Delta R.T. -0.01 min
 Lab File: BF112951.D
 Acq: 8 Mar 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-030719-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.6	27.8
138	25.4	19.4	29.0

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