

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112987.D
 Acq On : 12 Mar 2019 6:39
 Operator : JU/SJ
 Sample : K1817-09
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW016-030719

Manual Integrations
 APPROVED

Sohil
 3/12/2019 4:29:15 PM

Quant Time: Mar 12 07:52:30 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	167817	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	662180	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	349152	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	728644	20.00	ng	0.00
76) Chrysene-d12	13.86	240	555414	20.00	ng	-0.01
87) Perylene-d12	15.27	264	445107	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	981061	90.94	ng	0.00
7) Phenol-d6	6.37	99	1290501	95.23	ng	0.00
23) Nitrobenzene-d5	7.29	82	787474	71.16	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	461206	124.43	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1549862	70.26	ng	-0.01
79) Terphenyl-d14	12.82	244	1641277	57.28	ng	0.00
Target Compounds						
10) Phenol	6.38	94	32064	2.028	ng	89
50) Dimethylphthalate	9.48	163	126395	4.910	ng	98
71) Phenanthrene	11.26	178	146394	4.038	ng	96
75) Fluoranthene	12.44	202	263435	6.782	ng	96
78) Pyrene	12.67	202	253106	5.406	ng	98
81) Benzo(a)anthracene	13.85	228	127812	3.320	ng	94
83) Chrysene	13.89	228	125749	3.335	ng	97
88) Benzo(b)fluoranthene	14.87	252	129707m	4.505	ng	
89) Benzo(k)fluoranthene	14.90	252	53014m	2.033	ng	
90) Benzo(a)pyrene	15.21	252	88060	3.458	ng	99
92) Benzo(g,h,i)perylene	17.03	276	44586	2.043	ng	99

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

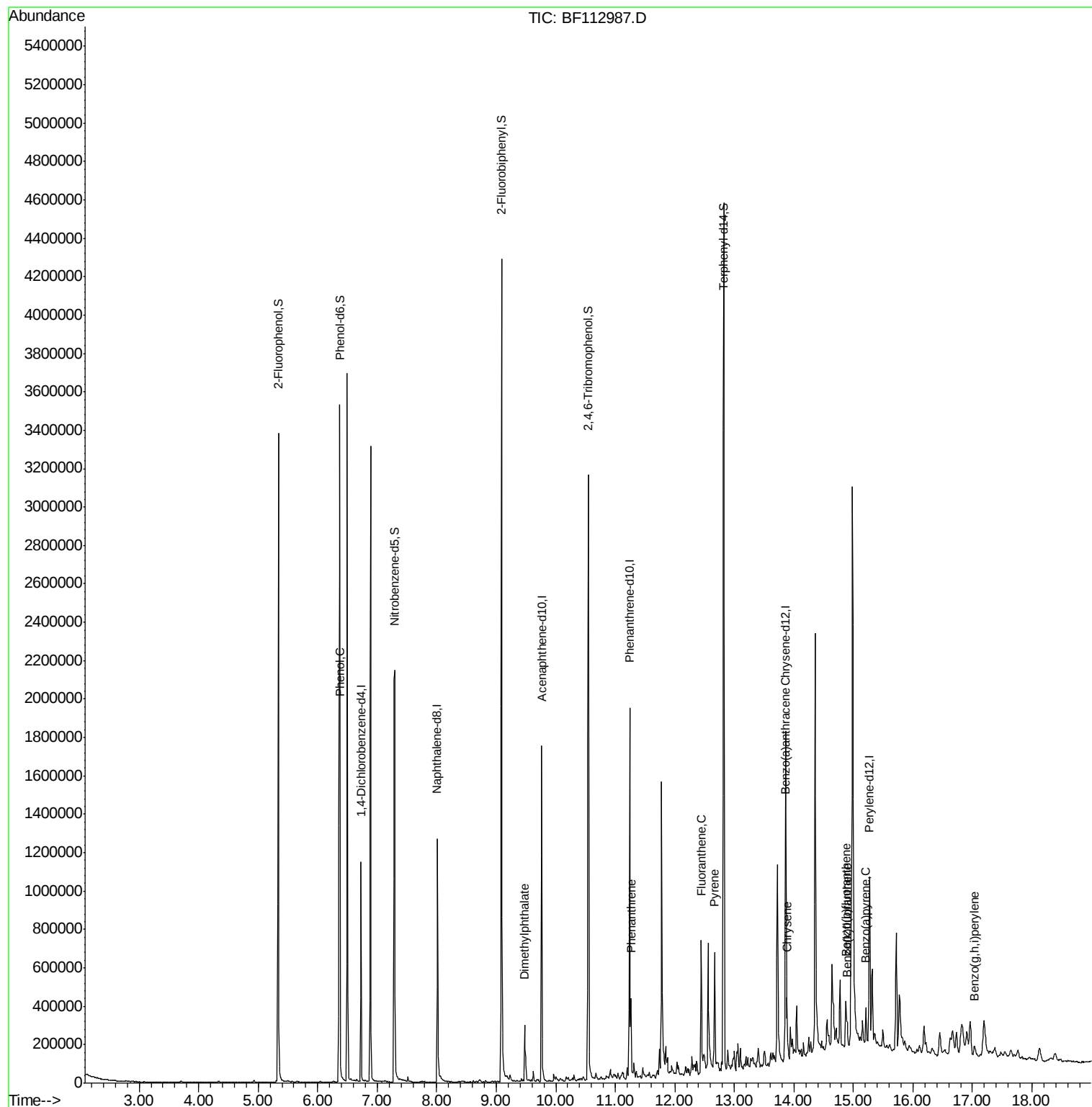
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112987.D
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#1

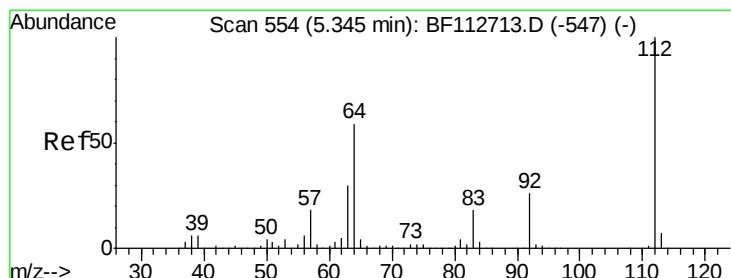
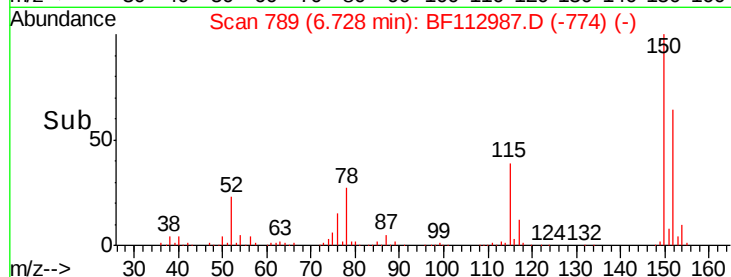
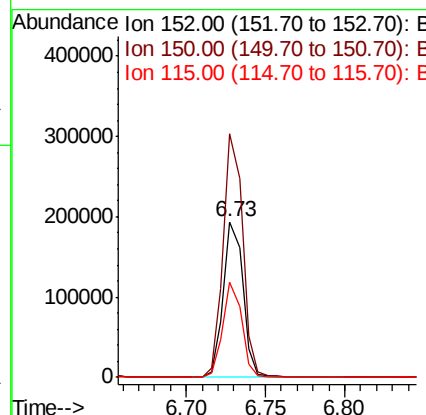
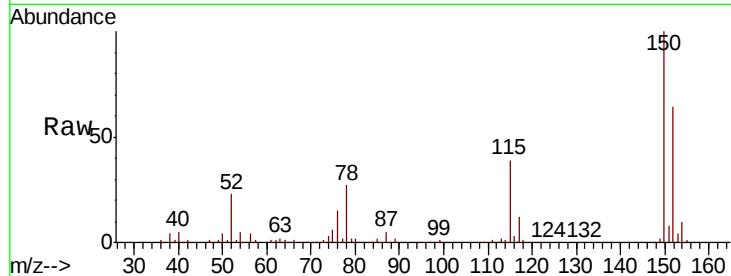
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW016-030719

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.2	186.2
115	61.1	48.2	72.4

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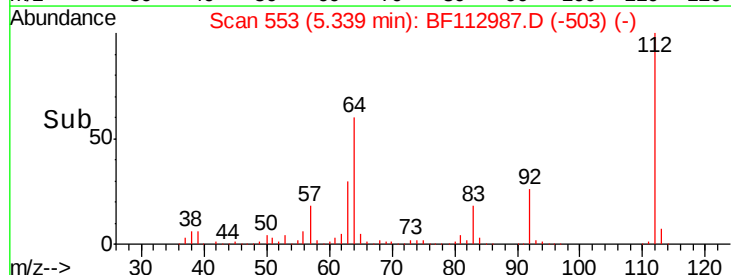
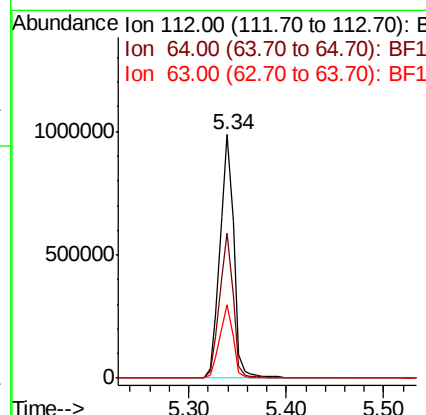
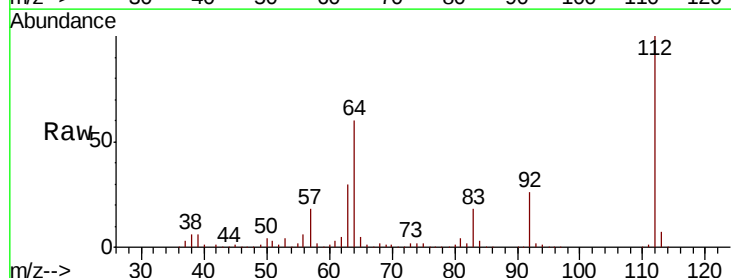
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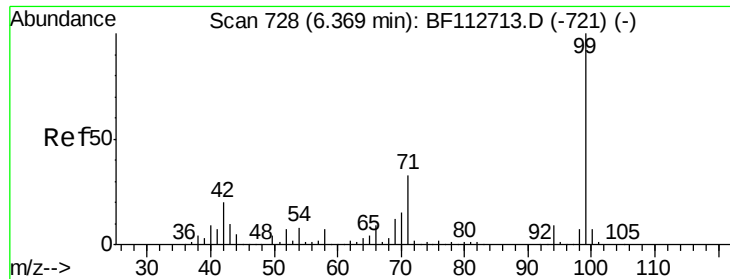


#5

2-Fluorophenol
Concen: 90.937 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.6	71.4
63	30.1	24.4	36.6





#7

Phenol-d6

Concen: 95.227 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112987.D

Acq: 12 Mar 2019 6:39

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW016-030719

Tot Ion: 99 Resp: 1290501

Ion Ratio Lower Upper

99 100

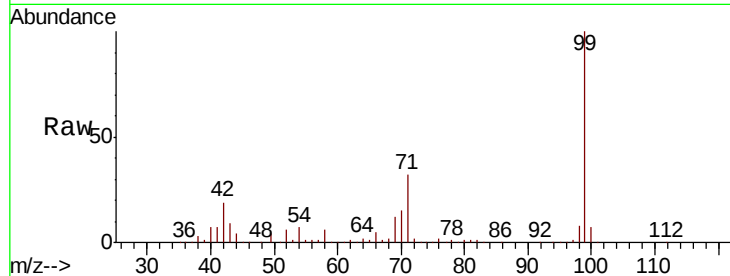
42 18.7 16.3 24.5

71 32.2 26.2 39.4

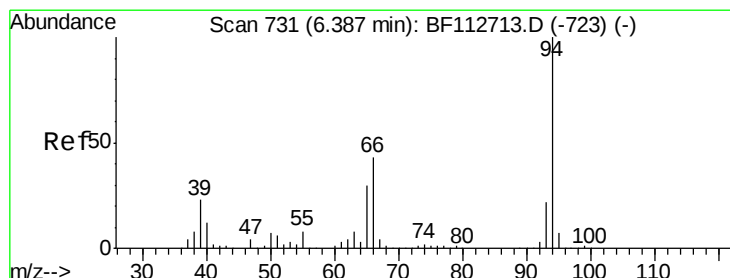
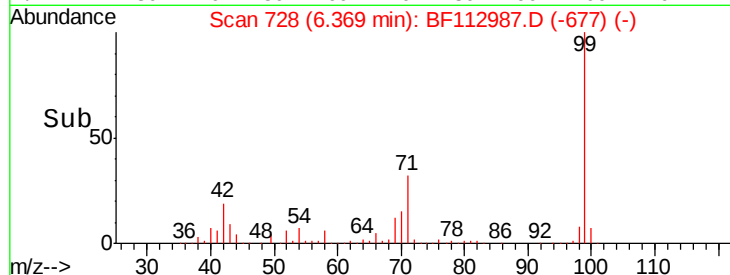
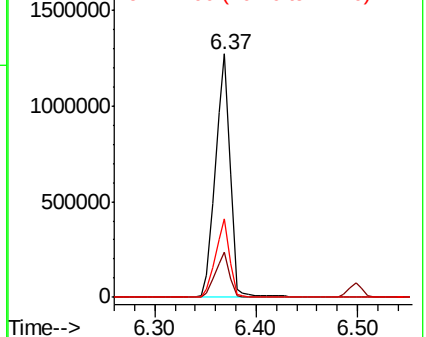
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.028 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF112987.D

Acq: 12 Mar 2019 6:39

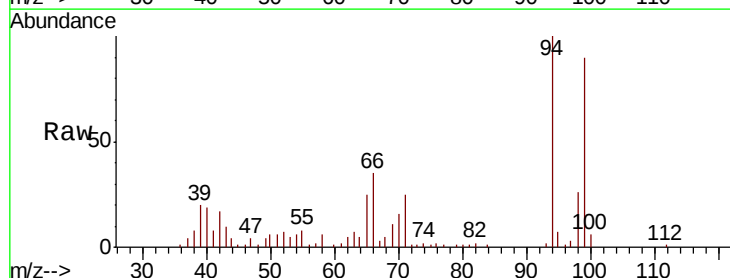
Tgt Ion: 94 Resp: 32064

Ion Ratio Lower Upper

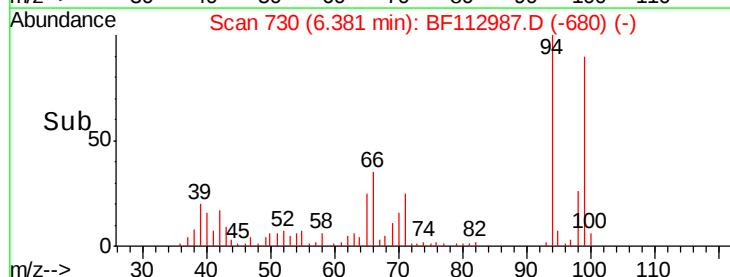
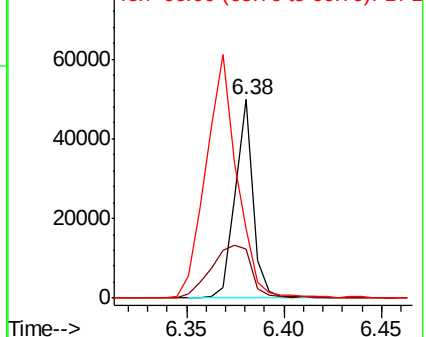
94 100

65 24.8 10.5 50.5

66 35.3 22.6 62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





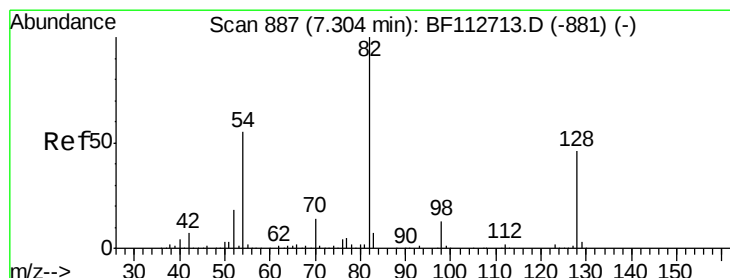
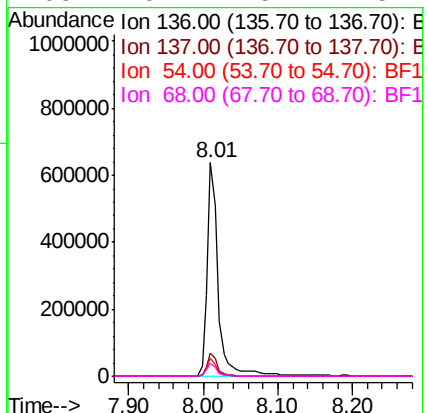
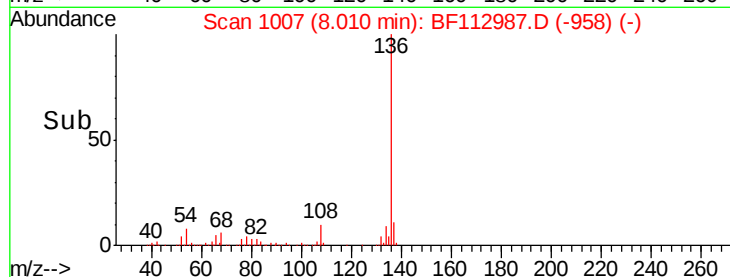
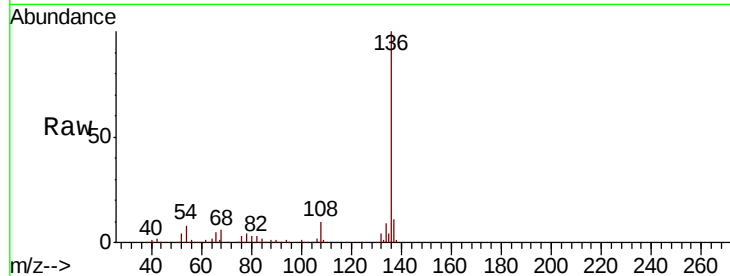
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW016-030719

Tot Ion	Ratio	Resp	Lower	Upper
136	100	662180		
137	11.1	8.9	13.3	
54	8.5	7.3	10.9	
68	6.1	5.4	8.2	

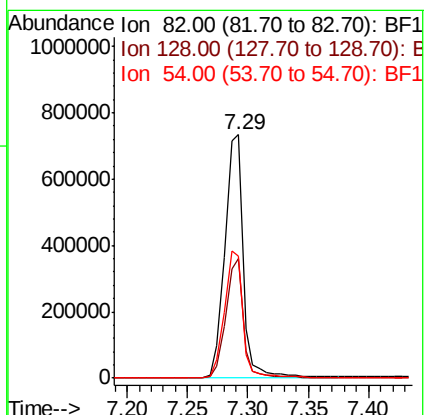
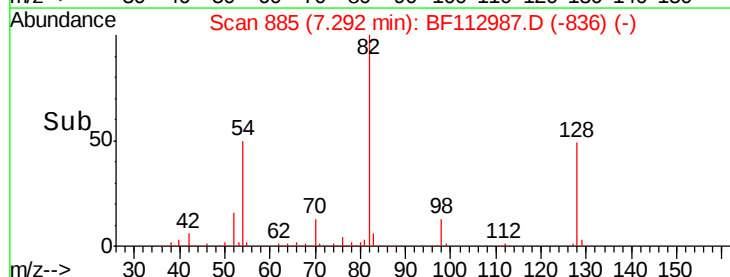
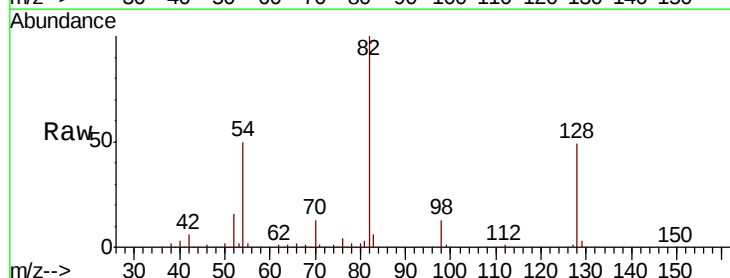
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#23
Nitrobenzene-d5
Concen: 71.160 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	787474		
128	48.9	36.3	54.5	
54	50.0	43.7	65.5	





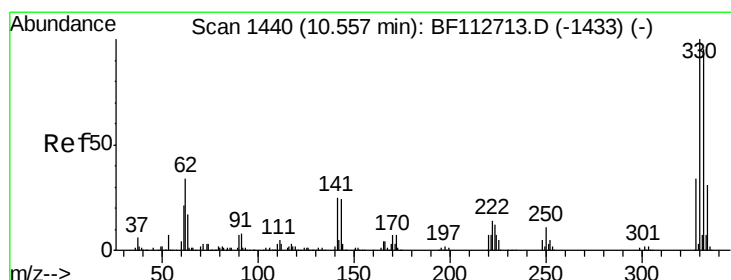
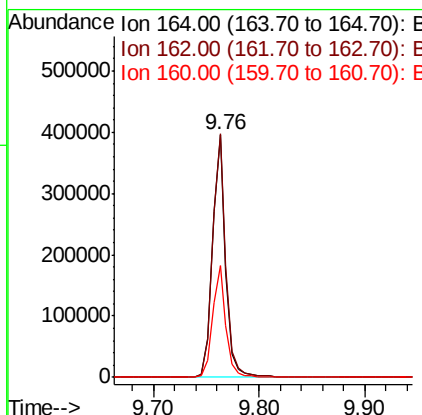
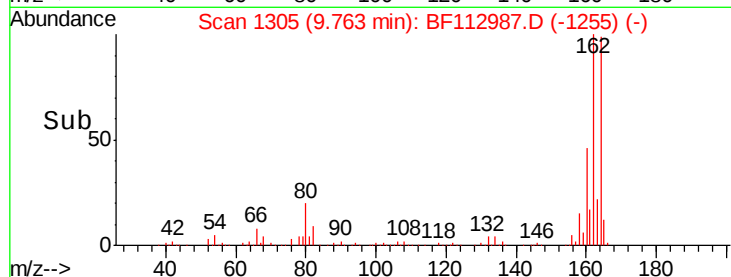
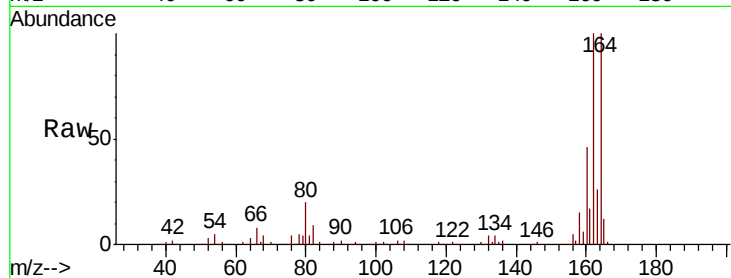
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW016-030719

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.4	80.6	120.8	
160	45.9	36.0	54.0	

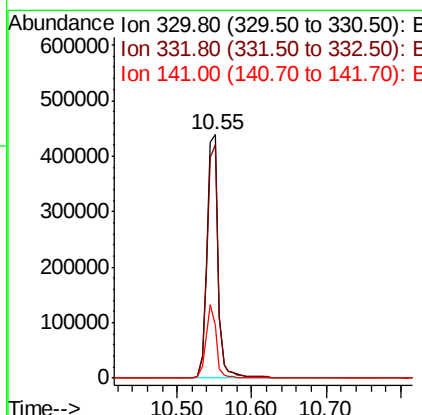
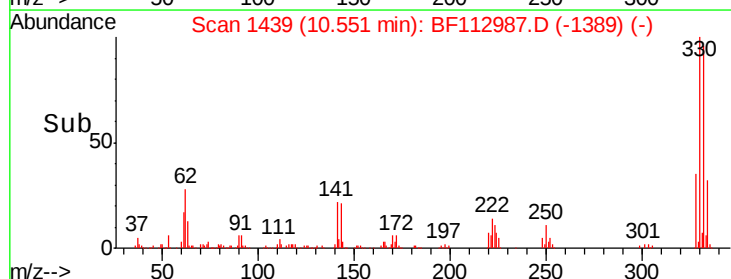
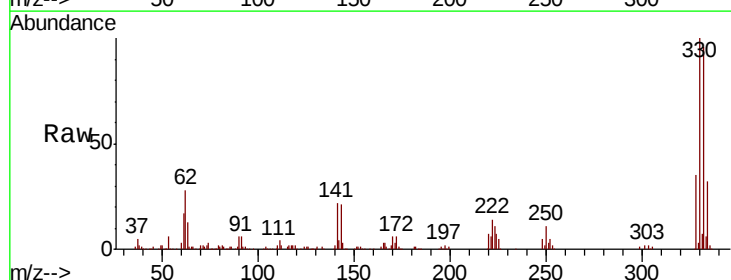
Manual Integrations
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#42
2,4,6-Tribromophenol
Concen: 124.425 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	76.2	114.4	
141	28.3	27.0	40.6	





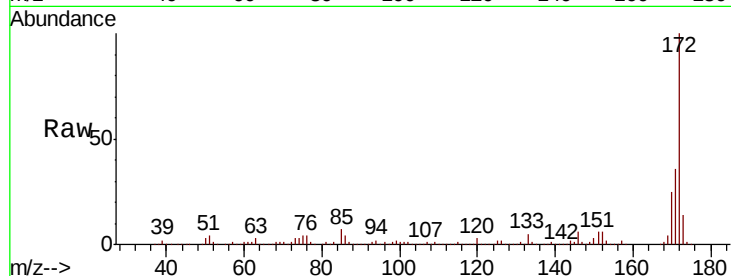
#45
2-Fluorobiphenyl
Concen: 70.258 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW016-030719

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.4
170	24.7	20.0	30.0

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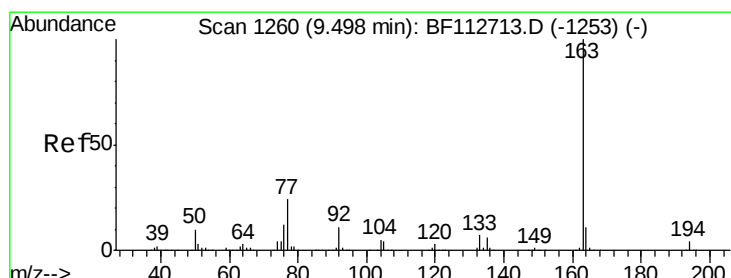
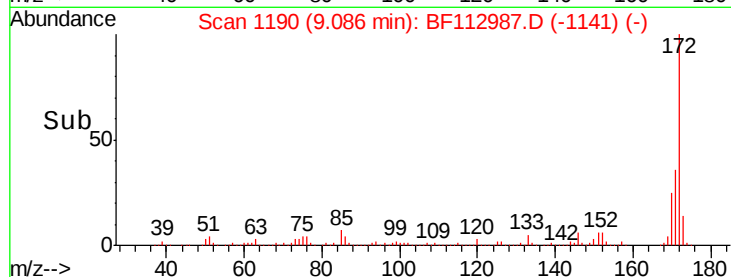
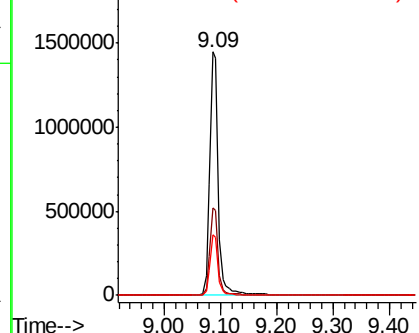


Abundance

Ion 172.00 (171.70 to 172.70): E

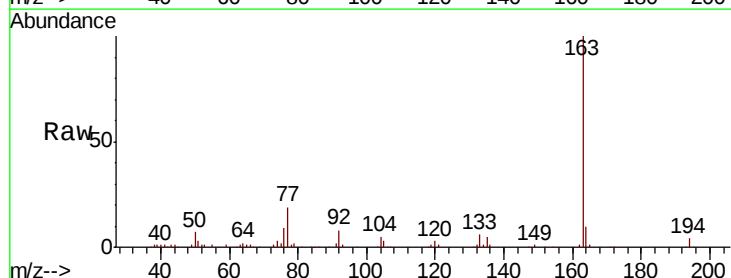
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.910 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	9.7	8.4	12.6

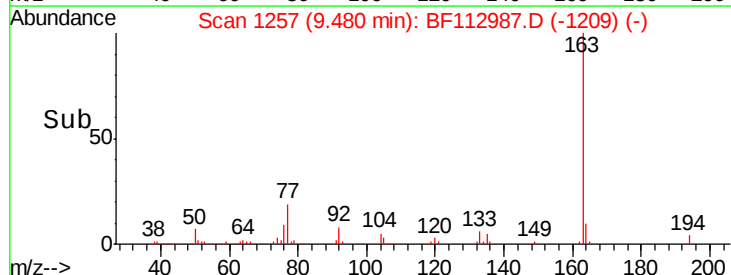
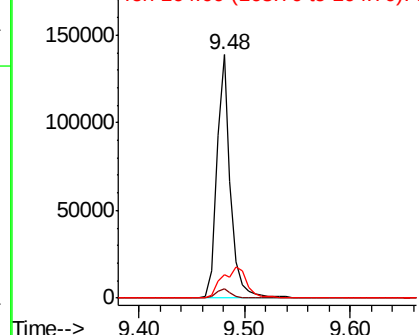


Abundance

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





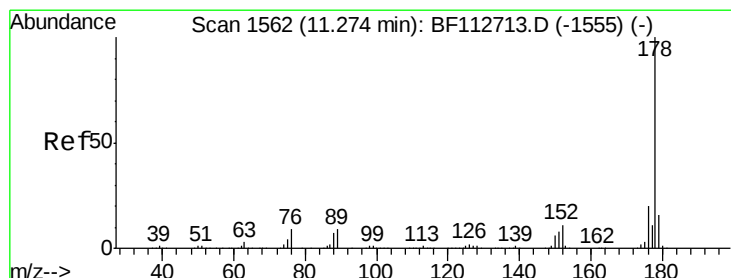
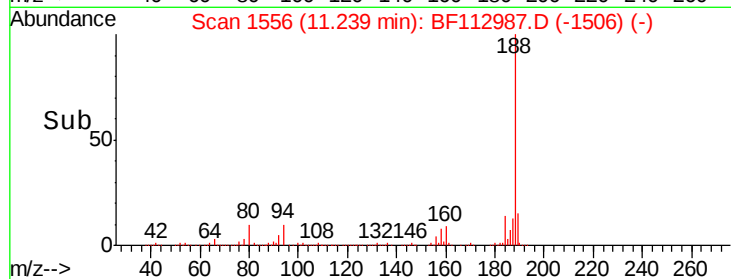
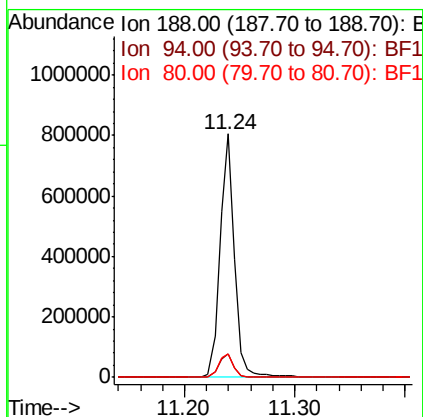
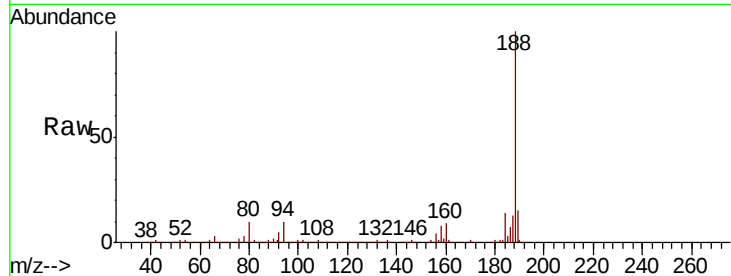
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW016-030719

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.6	9.0	13.4
80	9.8	9.2	13.8

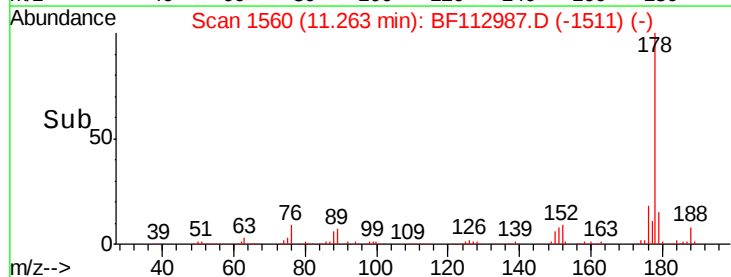
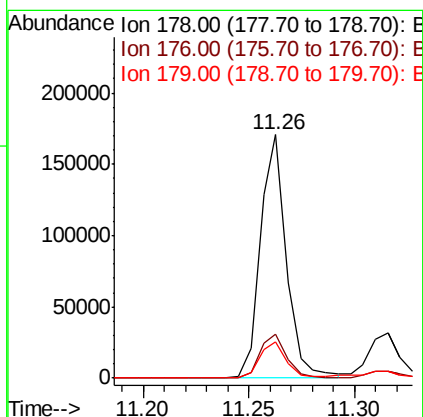
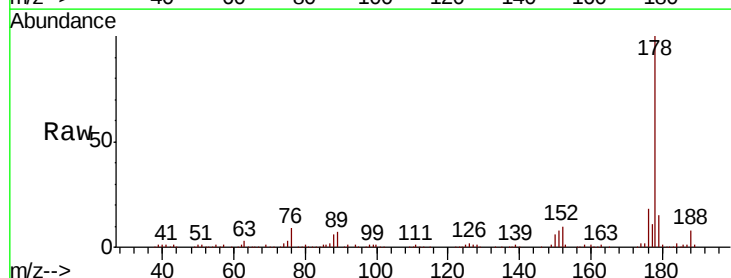
Manual Integrations
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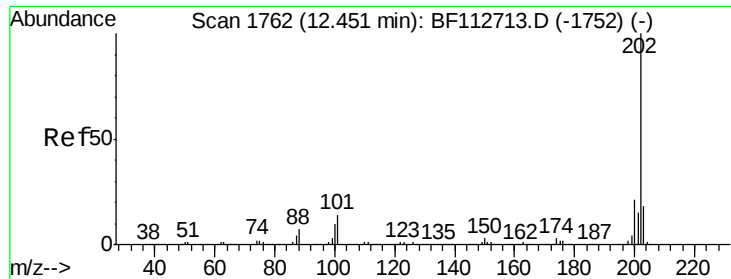
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#71
Phenanthrene
Concen: 4.038 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	17.9	16.3	24.5
179	15.0	12.7	19.1





#75

Fluoranthene

Concen: 6.782 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112987.D

Acq: 12 Mar 2019 6:39

Instrument :

BNA_F

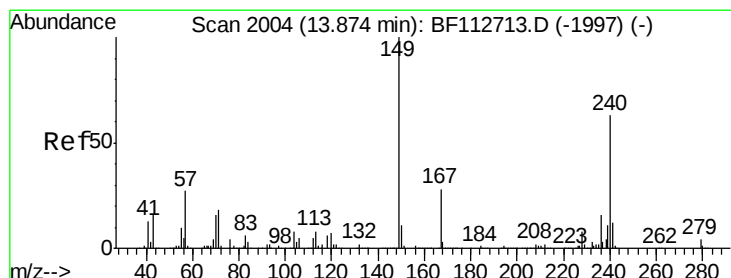
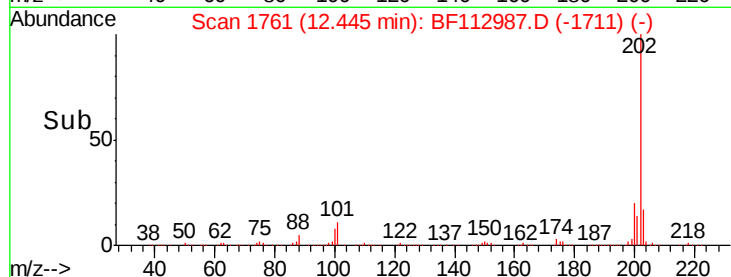
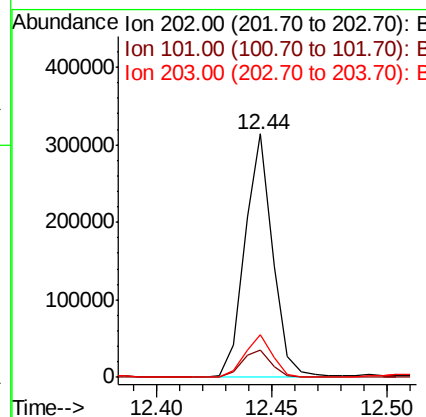
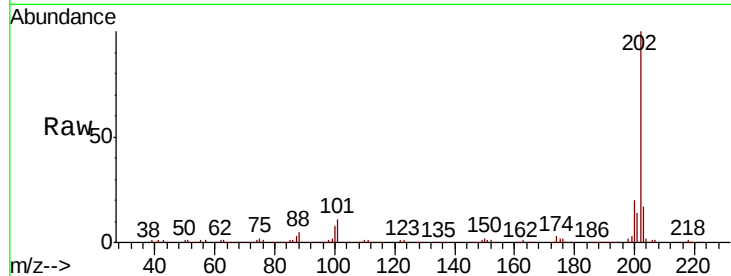
ClientSampleId :

EXT-027-SW016-030719

Tot Ion:	202	Resp:	263435
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	33.8
203	17.3	0.0	38.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

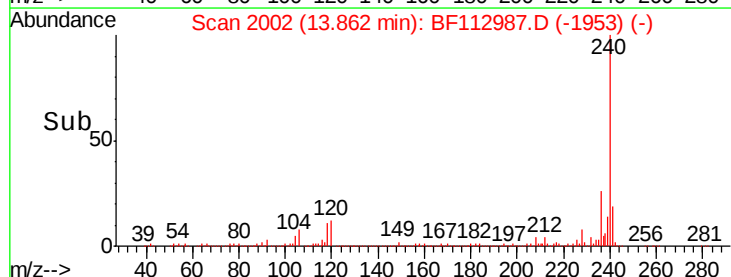
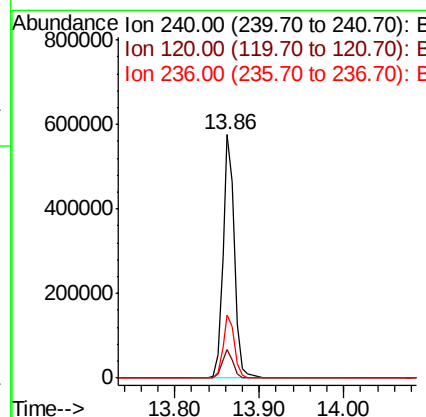
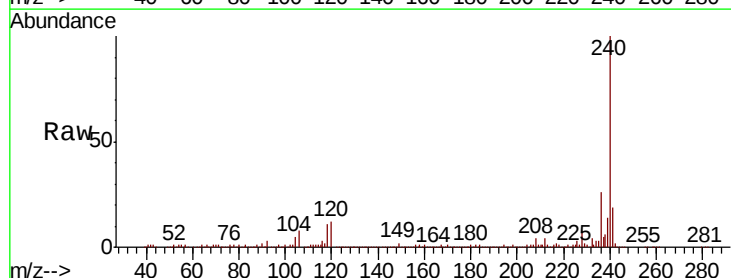
RT: 13.86 min Scan# 2002

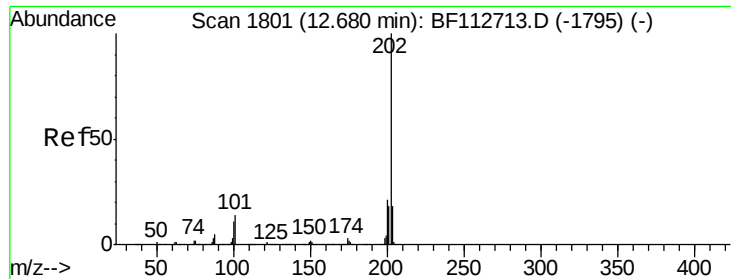
Delta R.T. -0.01 min

Lab File: BF112987.D

Acq: 12 Mar 2019 6:39

Tgt Ion:	240	Resp:	555414
Ion Ratio	Lower	Upper	
240	100		
120	12.0	8.9	13.3
236	25.7	20.7	31.1





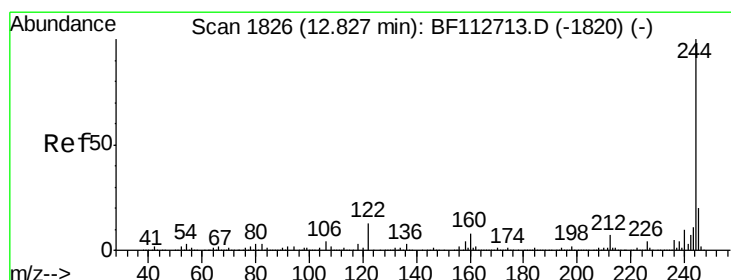
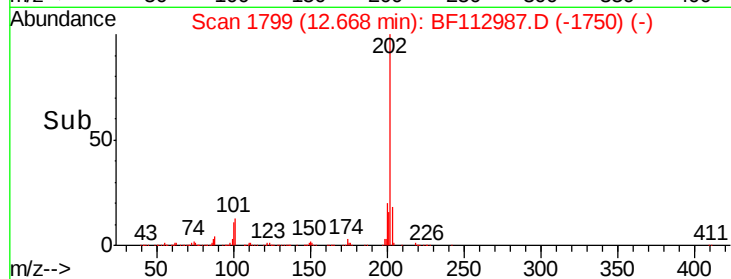
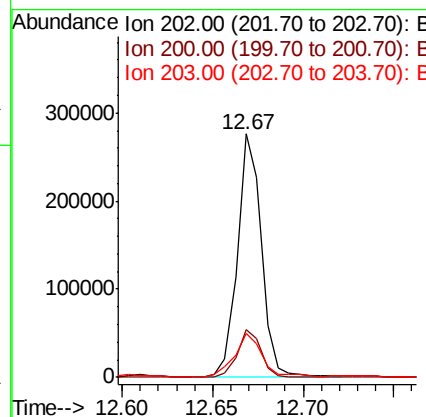
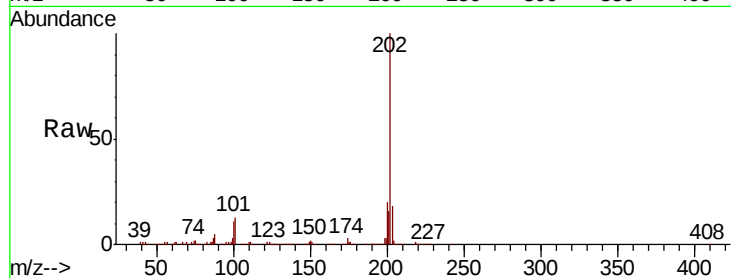
#78
Pvrene
Concen: 5.406 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW016-030719

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.7	17.0	25.4
203	18.1	14.4	21.6

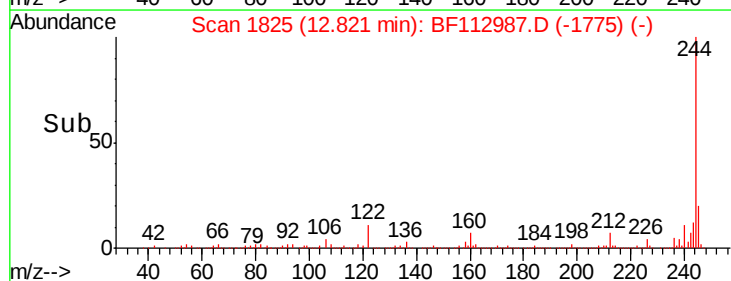
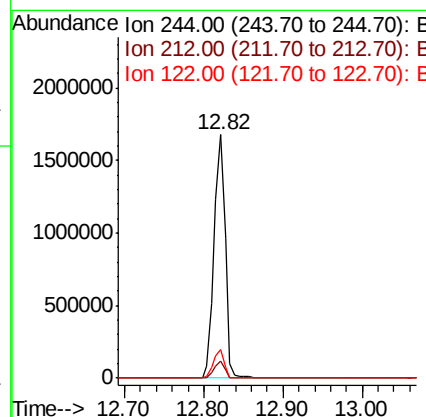
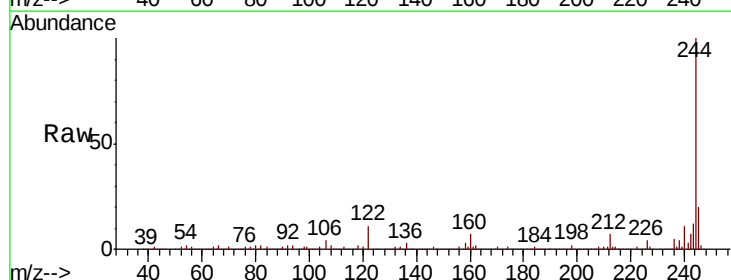
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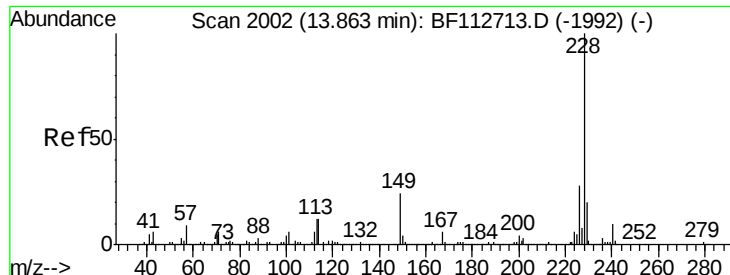
Sohil
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#79
Terphenyl-d14
Concen: 57.284 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.6	8.4
122	11.5	10.5	15.7





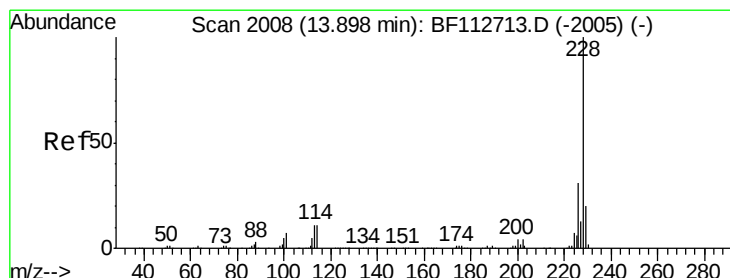
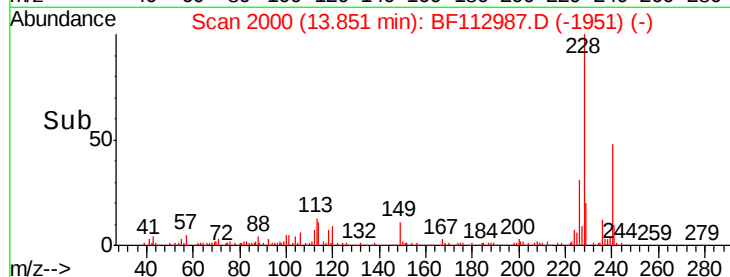
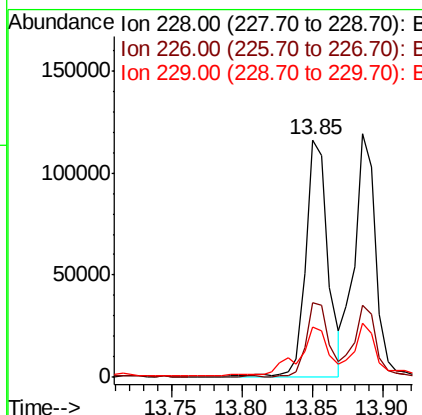
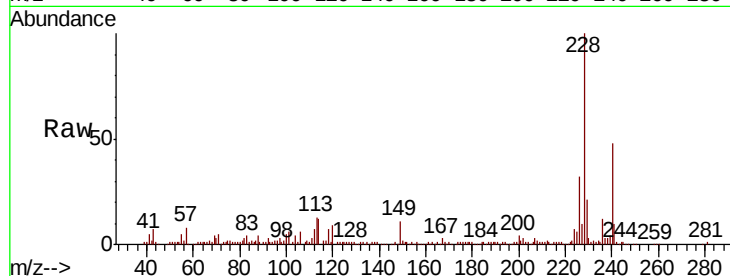
#81
Benzo(a)anthracene
Concen: 3.320 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW016-030719

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.2	33.4
229	21.4	16.0	24.0

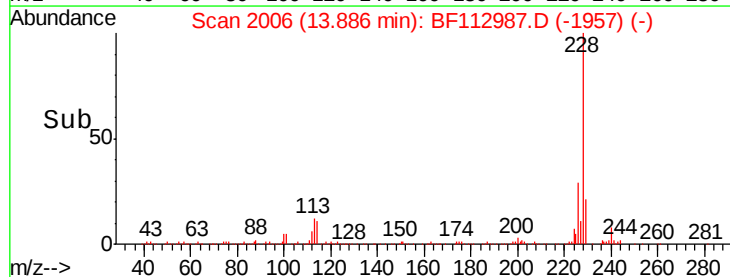
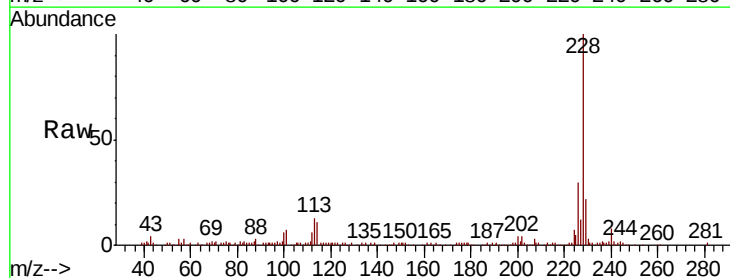
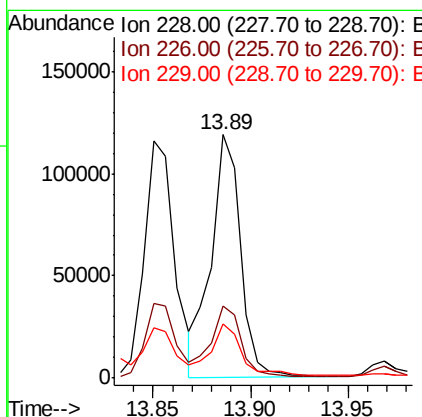
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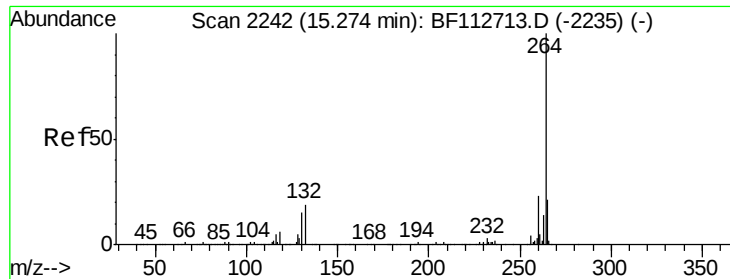
Sohil
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#83
Chrysene
Concen: 3.335 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	22.4	16.3	24.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF112987.D

Acq: 12 Mar 2019 6:39

Instrument :

BNA_F

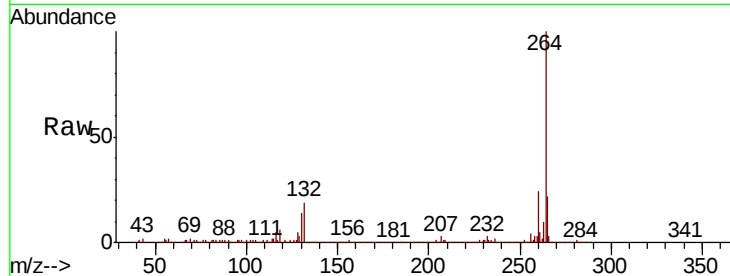
ClientSampleId :

EXT-027-SW016-030719

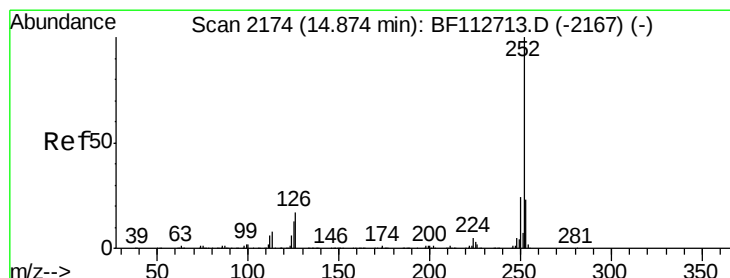
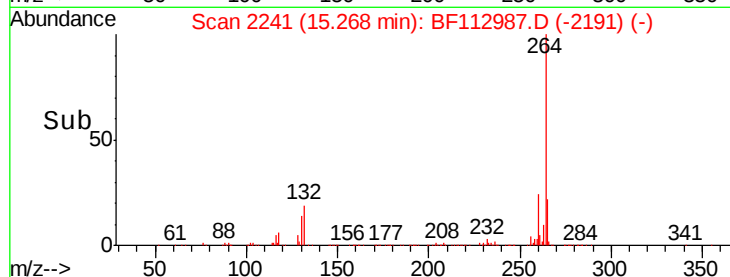
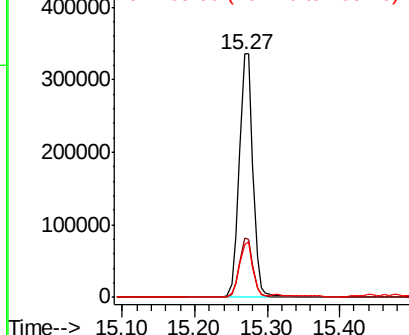
Tot Ion:	264	Resp:	445107
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.7	28.1
265	21.7	17.2	25.8

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: 4.505 ng m

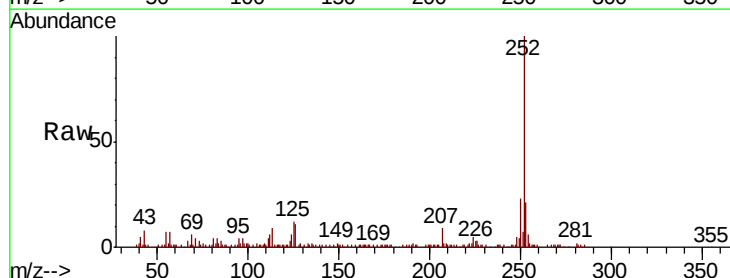
RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

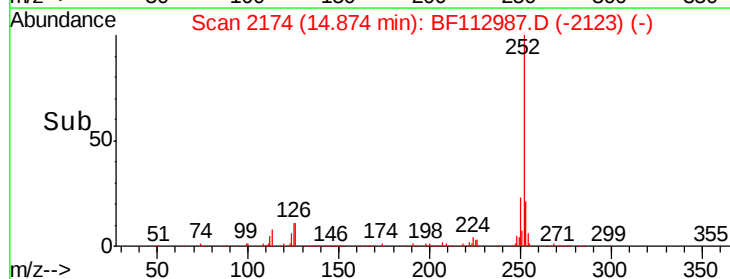
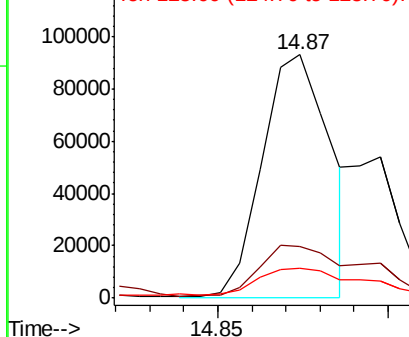
Lab File: BF112987.D

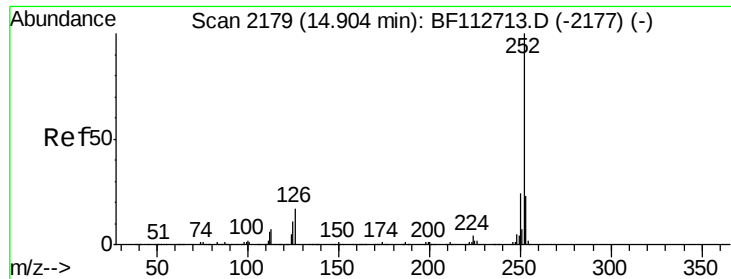
Acq: 12 Mar 2019 6:39

Tgt Ion:	252	Resp:	129707
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.0	27.0
125	12.4	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





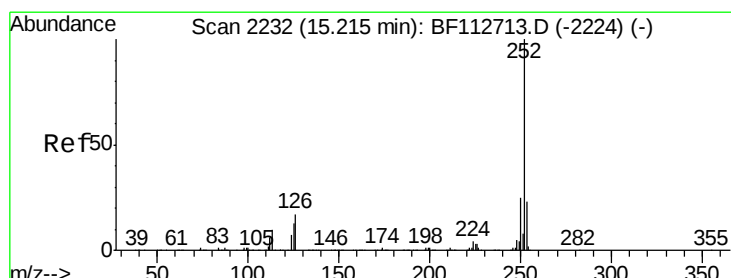
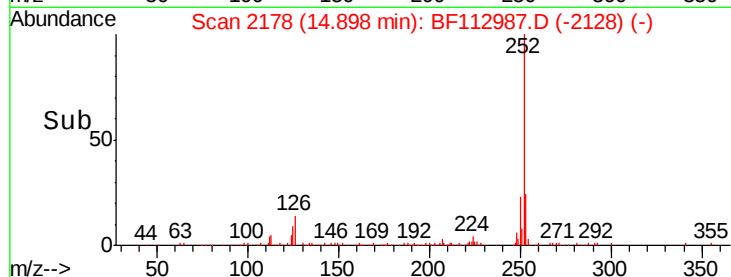
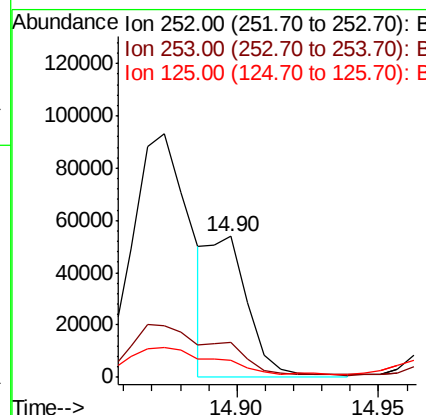
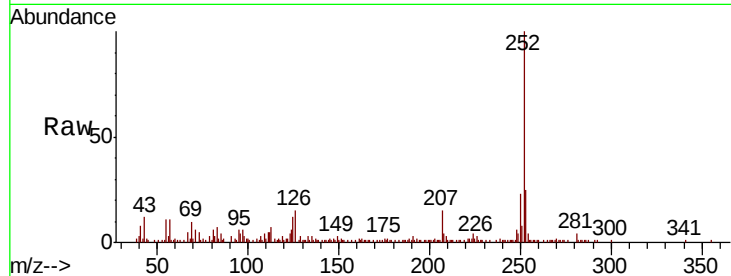
#89
Benzo(k)fluoranthene
Concen: 2.033 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW016-030719

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.2	27.2
125	12.4	9.8	14.6

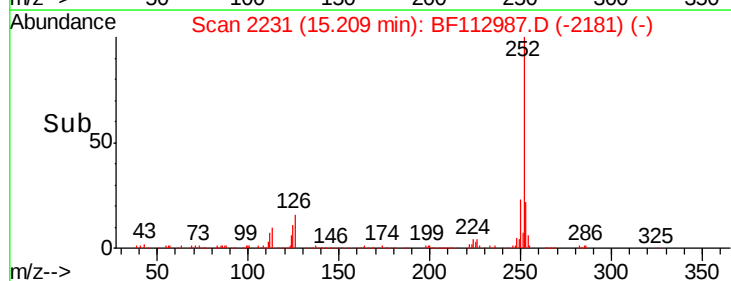
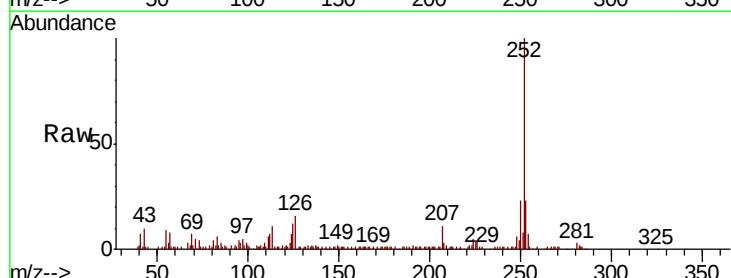
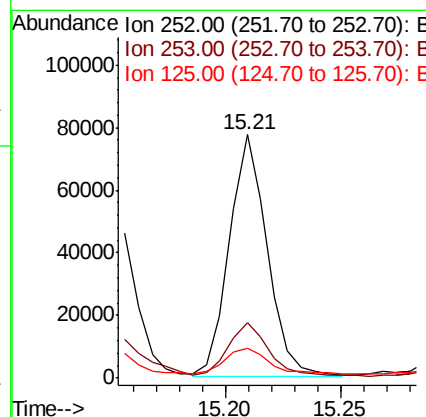
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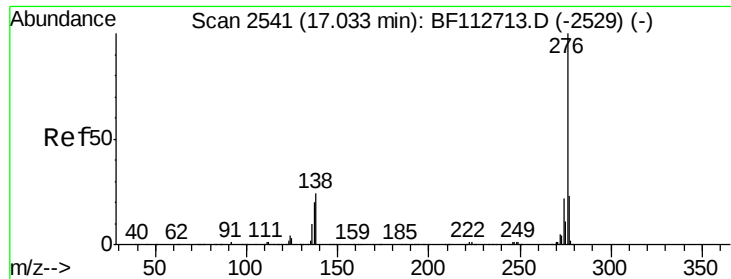
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#90
Benzo(a)pyrene
Concen: 3.458 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	12.4	10.7	16.1





#92
 Benzo(a,h,i)perylene
 Concen: 2.043 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. -0.00 min
 Lab File: BF112987.D
 Acq: 12 Mar 2019 6:39

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW016-030719

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	27.8
138	25.3	19.4	29.0

Manual Integrations
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