

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
 Data File : BF108799.D
 Acq On : 6 Sep 2018 2:38
 Operator : JU/SJ
 Sample : J4791-06 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-#15

Manual Integrations
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 9/6/2018 4:45:59 PM

Quant Time: Sep 06 07:43:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	266249	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	1008622	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	421911	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	704459	20.00	ng	0.00
75) Chrysene-d12	13.87	240	603287	20.00	ng	0.00
86) Perylene-d12	15.27	264	493674	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	242025	15.06	ng	0.00
7) Phenol-d6	6.35	99	312487	15.11	ng	-0.01
23) Nitrobenzene-d5	7.29	82	163586	10.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	50561	12.55	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	327933	13.26	ng	0.00
78) Terphenyl-d14	12.82	244	276910	10.70	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.48	163	110561	3.747	ng	99
70) Phenanthrene	11.27	178	253822	7.545	ng	97
71) Anthracene	11.31	178	80810	2.509	ng	100
74) Fluoranthene	12.45	202	456659	13.710	ng	96
77) Pyrene	12.67	202	441438	9.509	ng	100
80) Benzo(a)anthracene	13.85	228	236434	6.114	ng	94
82) Chrysene	13.89	228	198033	5.290	ng	96
85) Indeno(1,2,3-cd)pyrene	16.62	276	92415	2.790	ng	94
87) Benzo(b)fluoranthene	14.87	252	226682m	8.444	ng	
88) Benzo(k)fluoranthene	14.89	252	72307m	2.925	ng	
89) Benzo(a)pyrene	15.21	252	153355	6.331	ng	94
91) Benzo(a,h,i)perylene	17.02	276	100851	4.719	ng	96

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

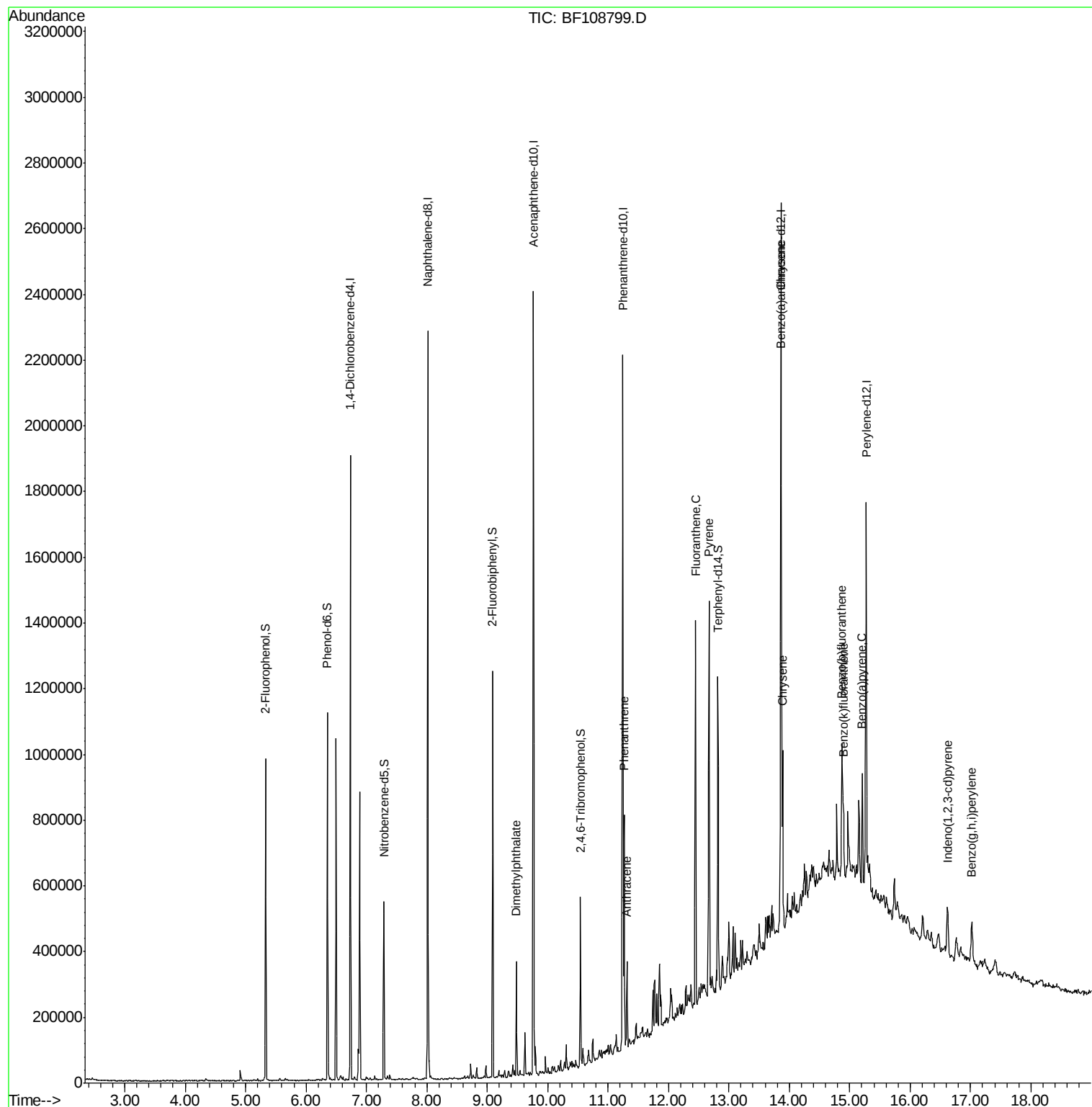
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
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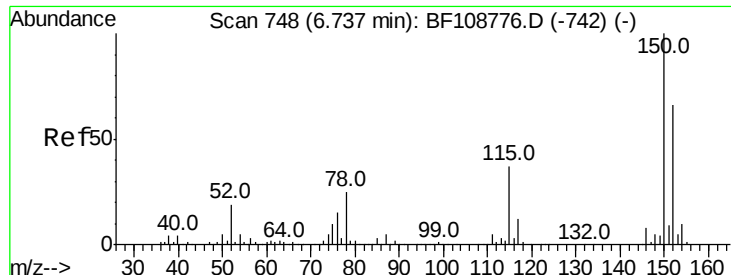
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#1

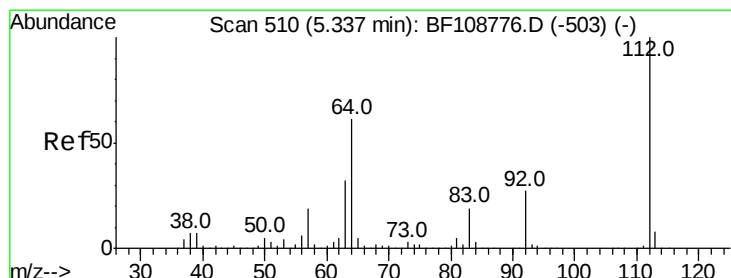
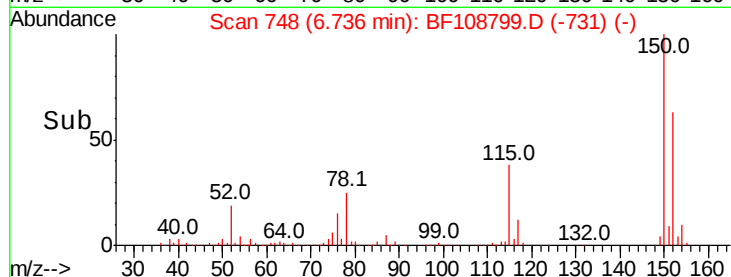
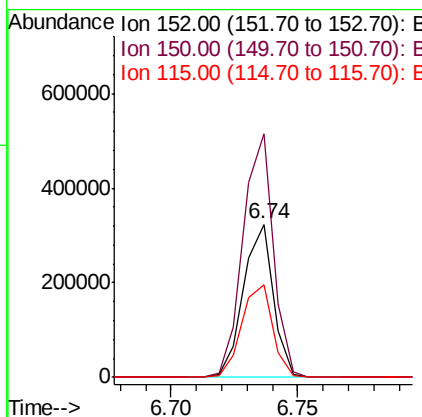
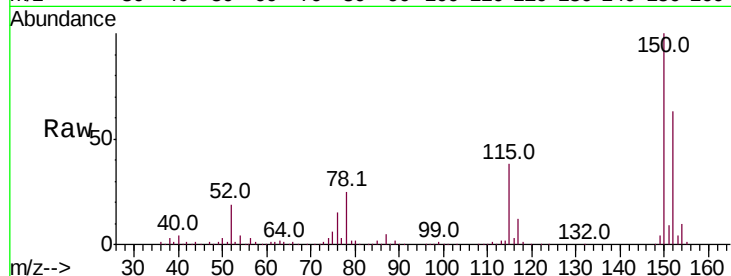
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108799.D
Acq: 6 Sep 2018 2:38

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.6	186.8
115	60.5	50.1	75.1

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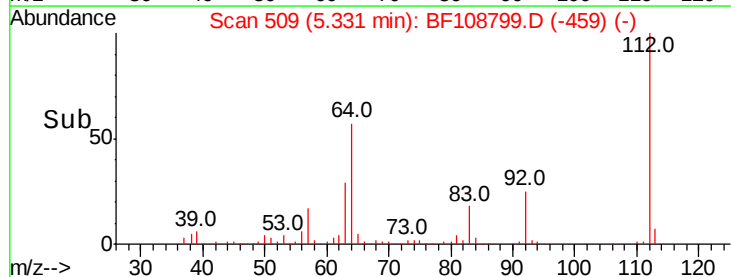
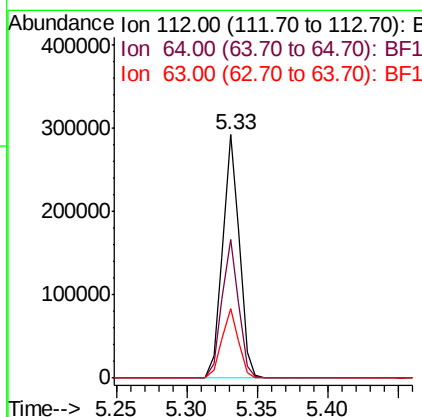
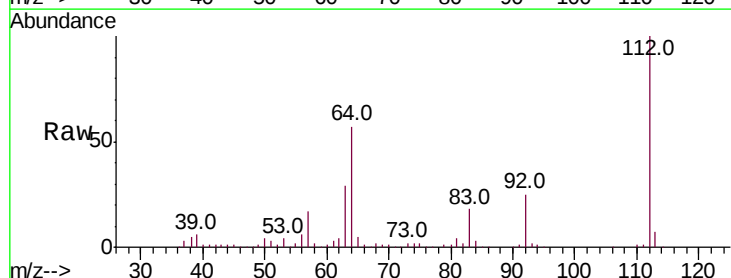
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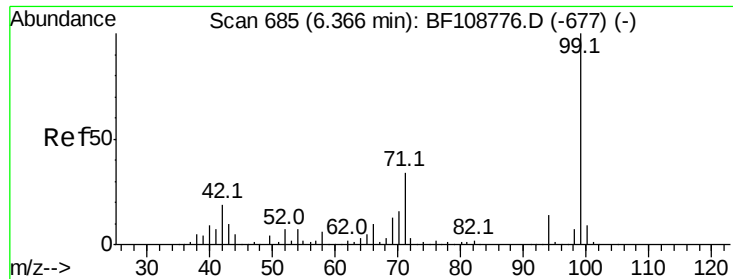


#5

2-Fluorophenol
Concen: 15.059 ng
RT: 5.33 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF108799.D
Acq: 6 Sep 2018 2:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	28.7	23.7	35.5





#7

Phenol-d6

Concen: 15.112 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA_F

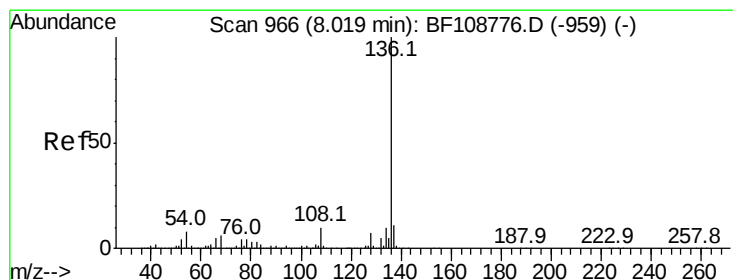
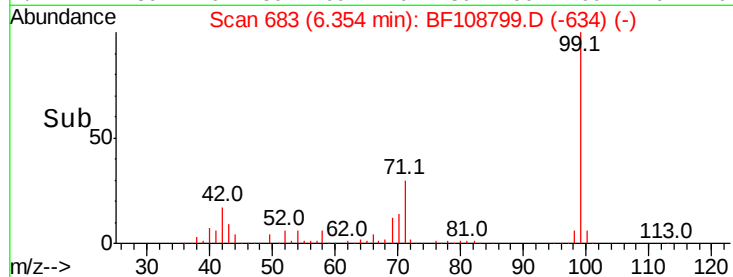
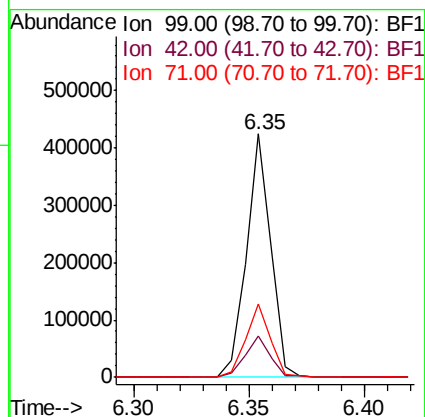
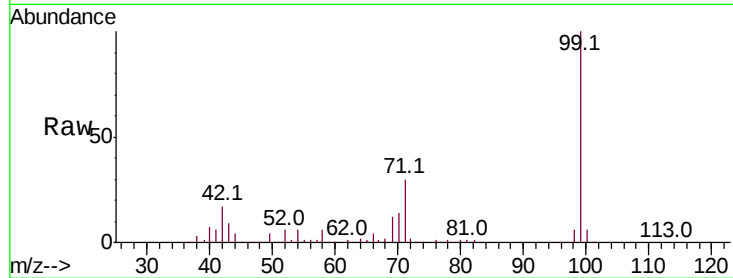
ClientSampleId :

DOCUMENTATION-#15

Tot Ion:	99	Resp:	312487
Ion Ratio	Lower	Upper	
99	100		
42	17.2	14.5	21.7
71	30.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

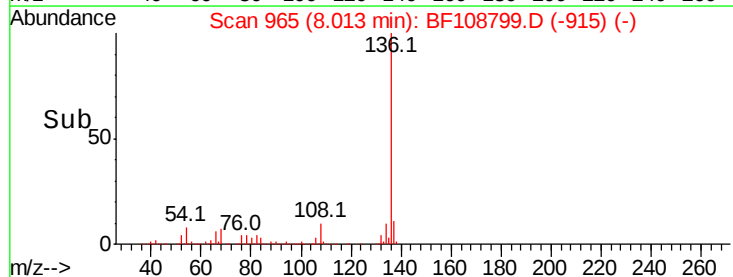
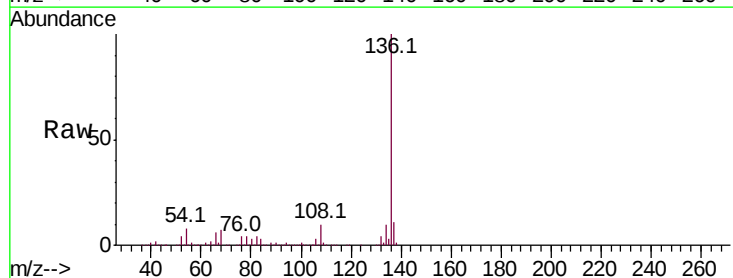
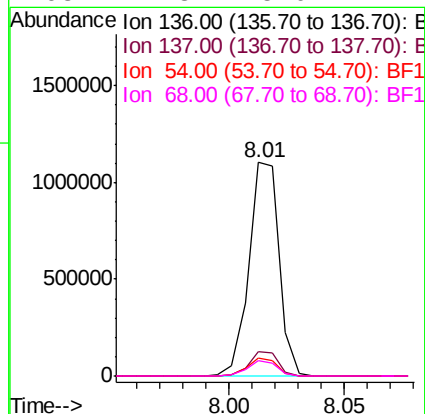
RT: 8.01 min Scan# 965

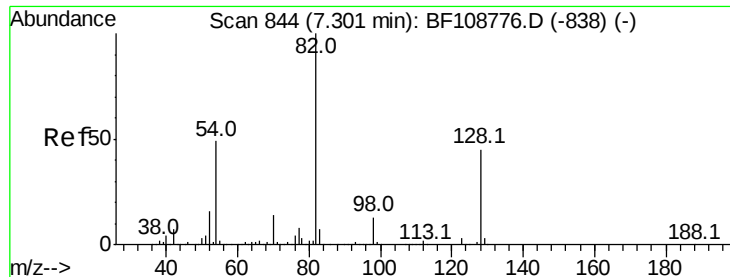
Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Tgt Ion:	136	Resp:	1008622
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	8.5	6.6	9.8
68	7.3	5.0	7.4





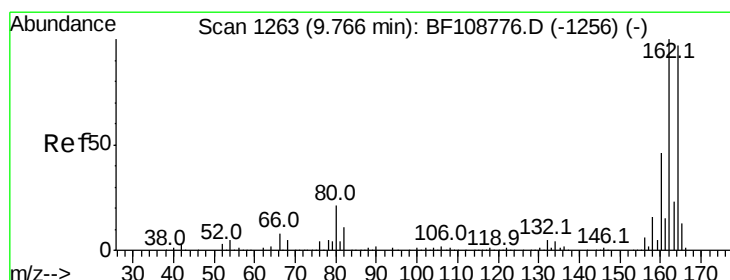
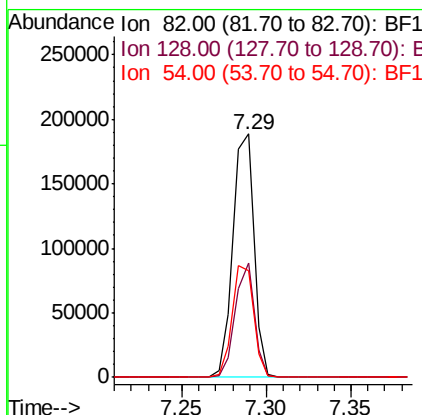
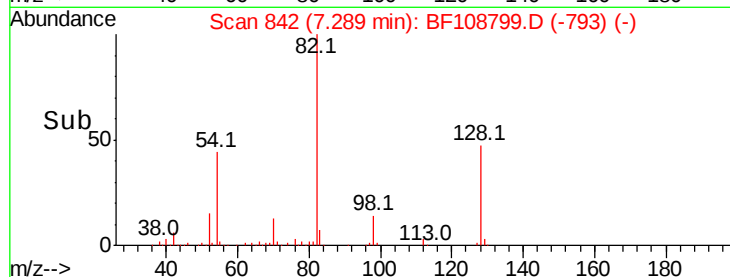
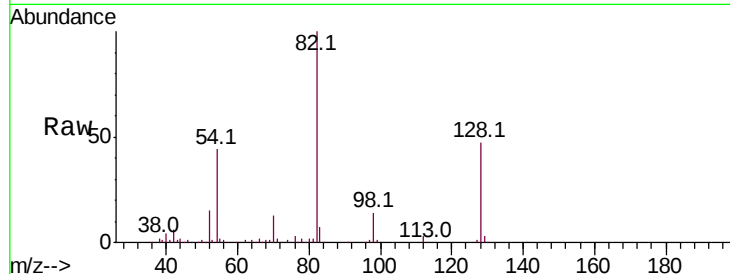
#23
 Nitrobenzene-d5
 Concen: 10.150 ng
 RT: 7.29 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF108799.D
 Acq: 6 Sep 2018 2:38

Instrument :
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 ClientSampleId :
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Tot Ion:	82	Resp:	163586
Ion Ratio	Lower	Upper	
82	100		
128	47.0	36.1	54.1
54	44.0	41.4	62.2

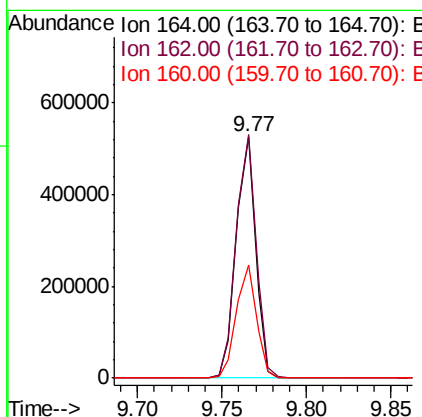
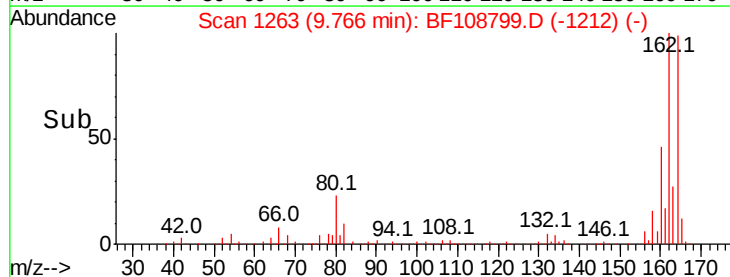
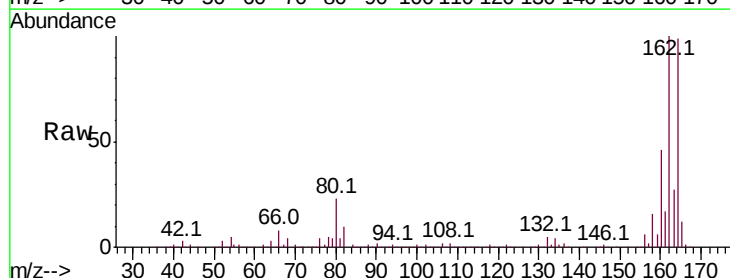
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BF108799.D
 Acq: 6 Sep 2018 2:38

Tgt Ion:	164	Resp:	421911
Ion Ratio	Lower	Upper	
164	100		
162	100.8	86.1	129.1
160	46.7	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 12.553 ng

RT: 10.54 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA_F

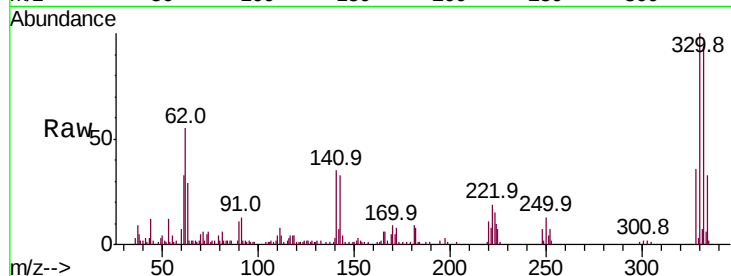
ClientSampleId :

DOCUMENTATION-#15

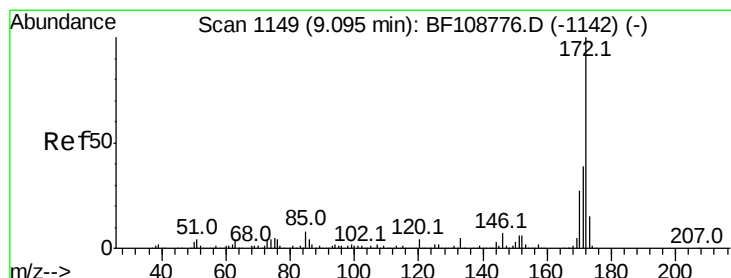
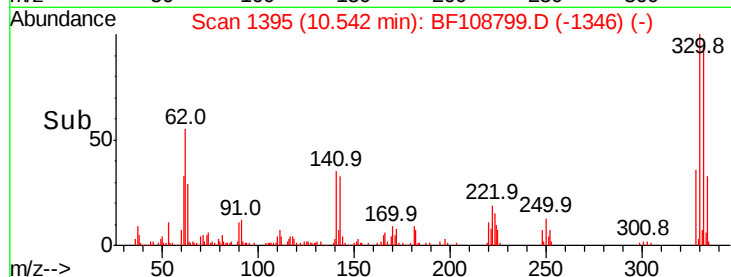
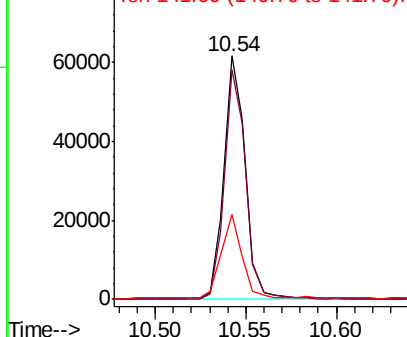
Tot Ion:	330	Resp:	50561
Ion Ratio	Lower	Upper	
330	100		
332	93.9	77.0	115.6
141	32.5	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 13.260 ng

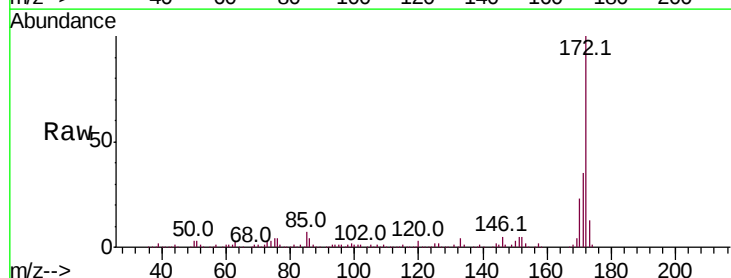
RT: 9.09 min Scan# 1148

Delta R.T. -0.01 min

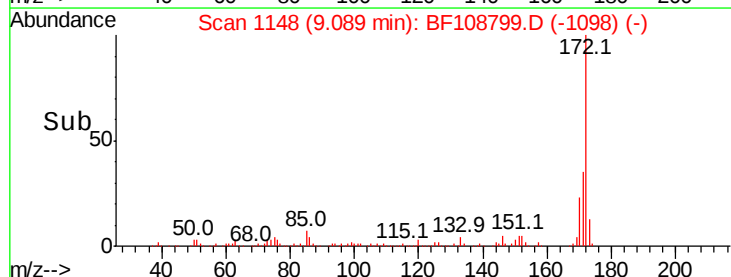
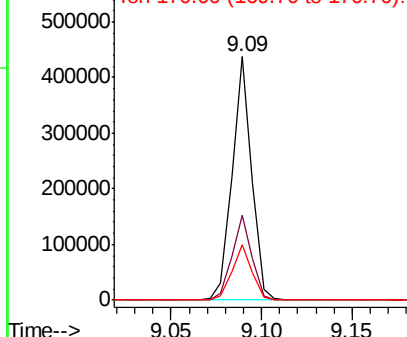
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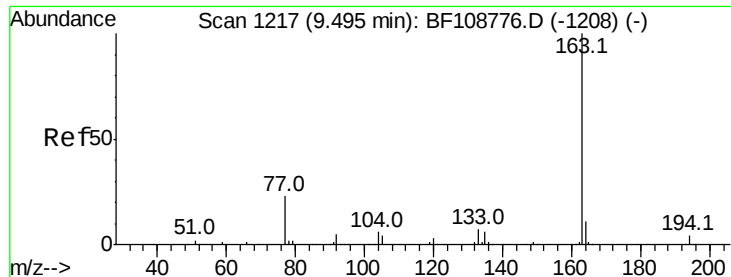
Acq: 6 Sep 2018 2:38

Tgt Ion:	172	Resp:	327933
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.7	44.5
170	23.0	19.6	29.4



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





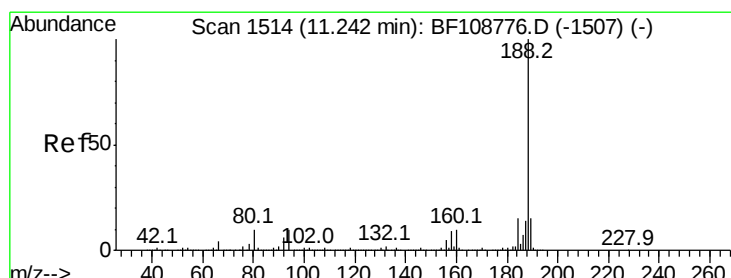
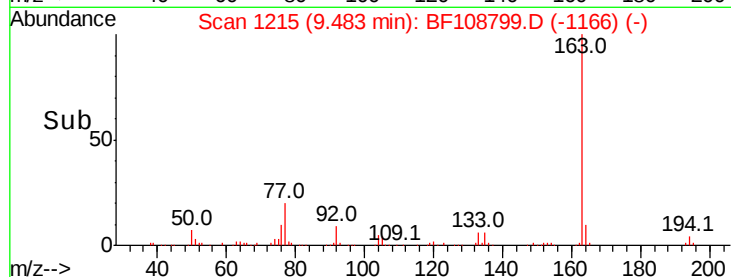
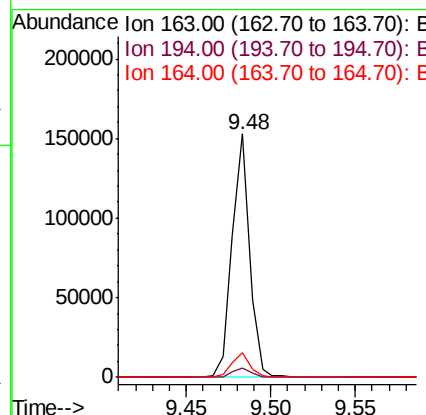
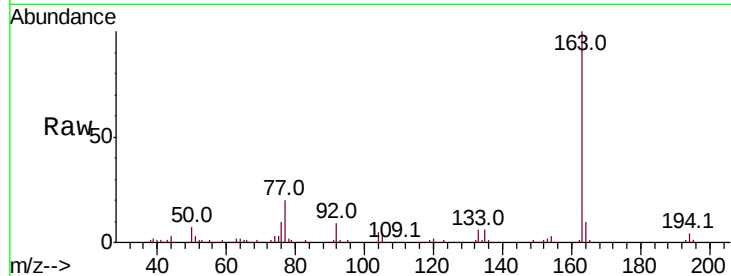
#49
Dimethylphthalate
Concen: 3.747 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108799.D
Acq: 6 Sep 2018 2:38

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Tot Ion:	163	Resp:	110561
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	10.3	8.2	12.2

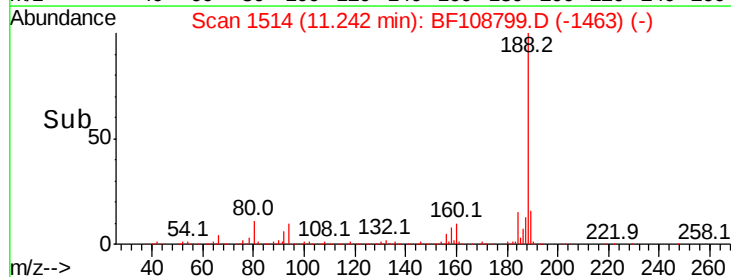
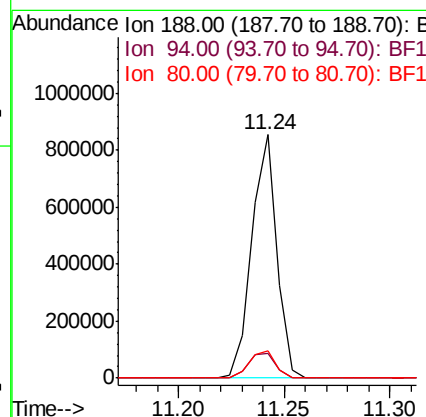
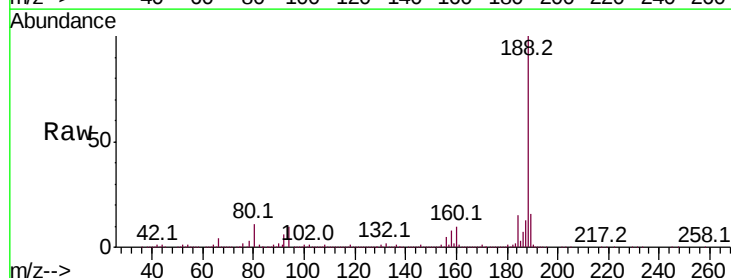
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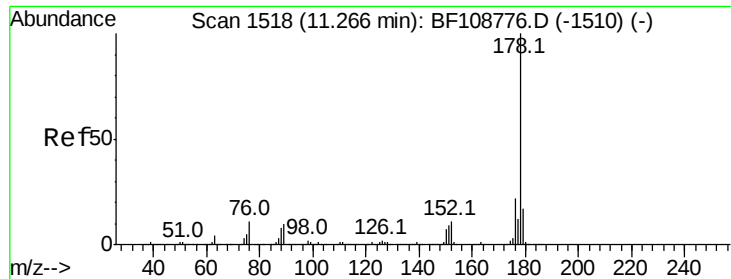
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108799.D
Acq: 6 Sep 2018 2:38

Tgt Ion:	188	Resp:	704459
Ion Ratio	Lower	Upper	
188	100		
94	10.3	8.5	12.7
80	11.0	9.2	13.8





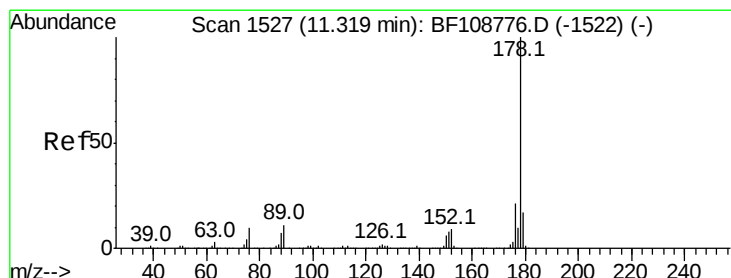
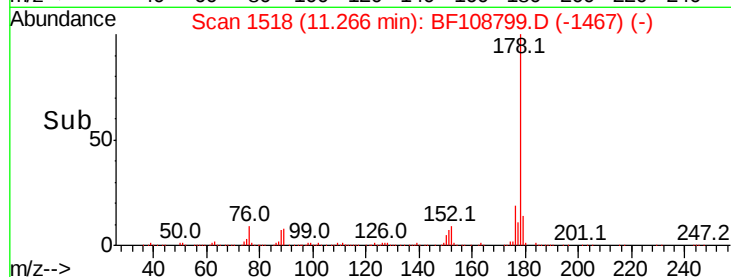
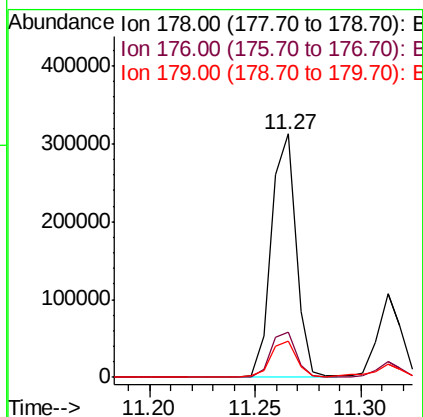
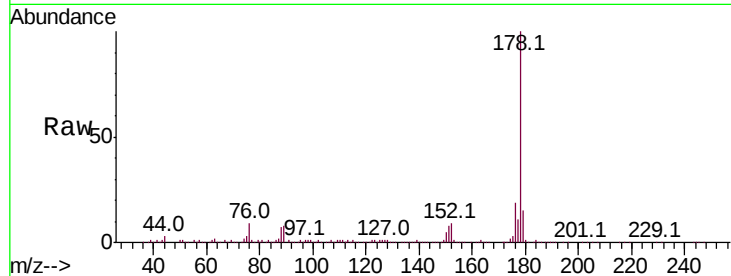
#70
Phenanthrene
Concen: 7.545 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108799.D
Acq: 6 Sep 2018 2:38

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#15

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	14.7	13.0	19.6

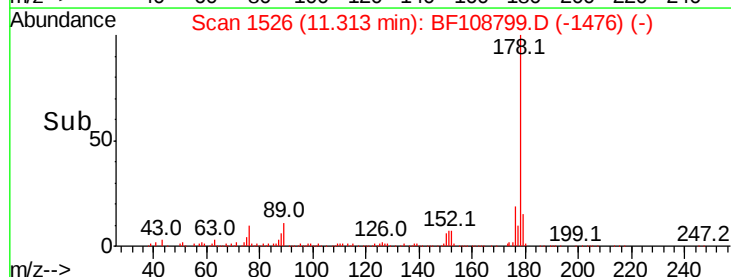
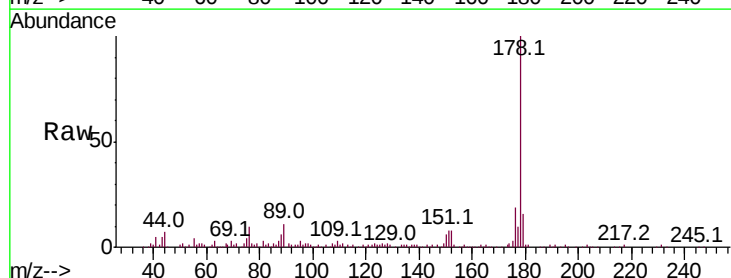
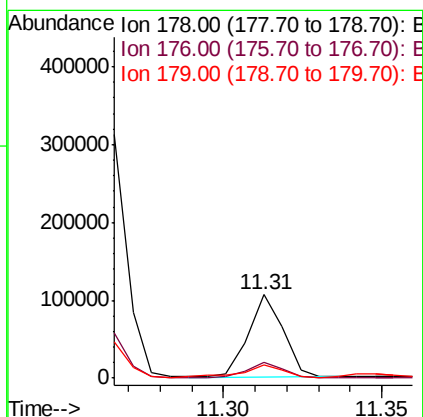
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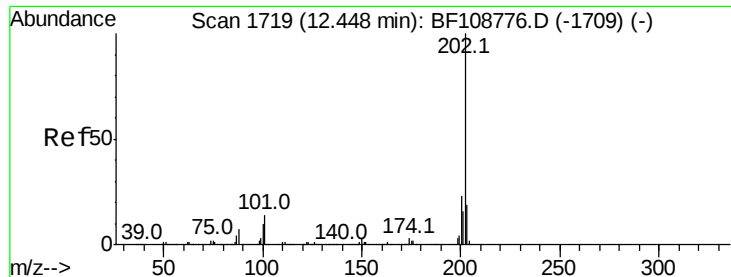
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#71
Anthracene
Concen: 2.509 ng
RT: 11.31 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BF108799.D
Acq: 6 Sep 2018 2:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.5	12.6	19.0





#74

Fluoranthene

Concen: 13.710 ng

RT: 12.45 min Scan# 1719

Delta R.T. -0.00 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA_F

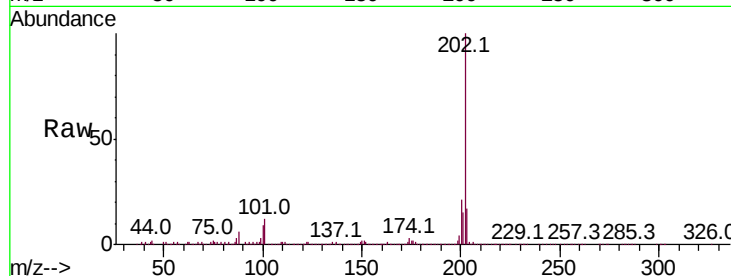
ClientSampleId :

DOCUMENTATION-#15

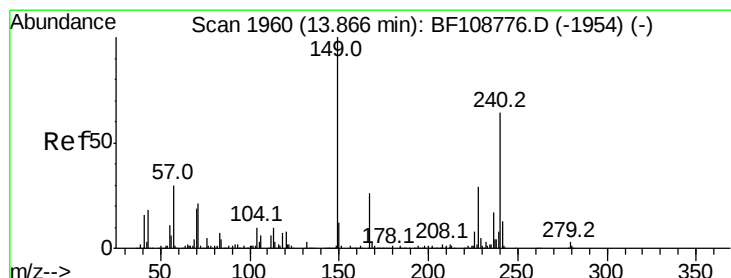
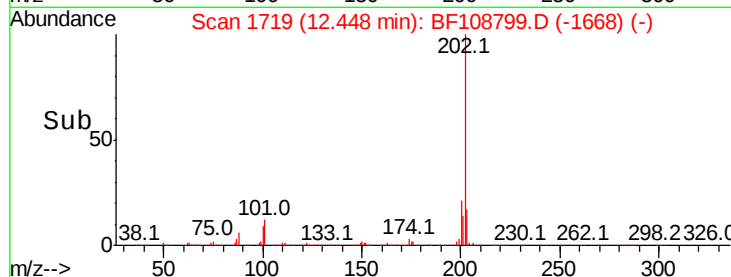
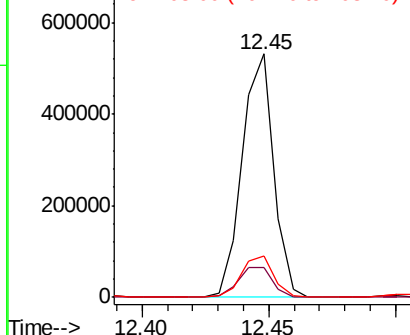
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	0.0	34.1
203	16.9	0.0	38.1

Manual Integrations
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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



#75

Chrysene-d12

Concen: 20.000 ng

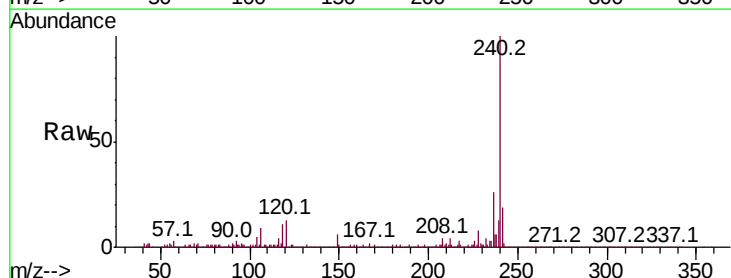
RT: 13.87 min Scan# 1960

Delta R.T. -0.00 min

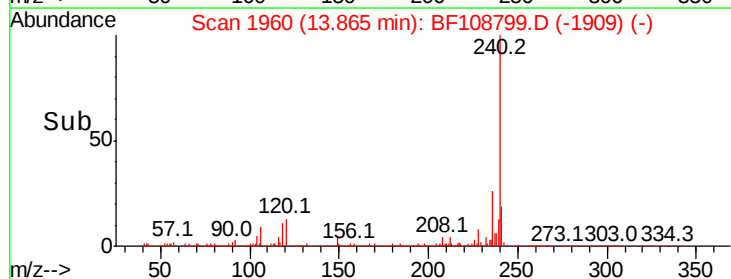
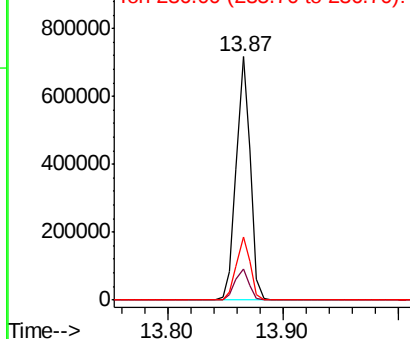
Lab File: BF108799.D

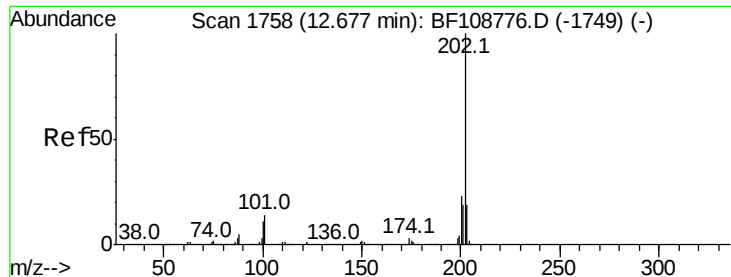
Acq: 6 Sep 2018 2:38

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.9	9.5	14.3
236	25.9	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





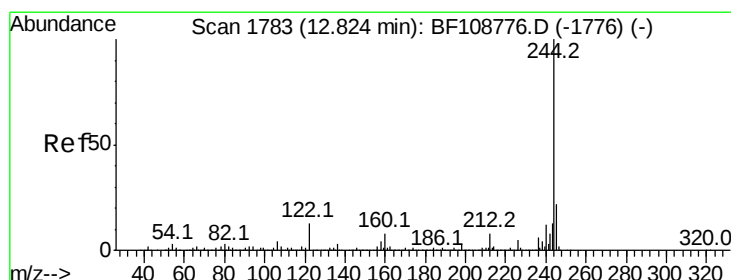
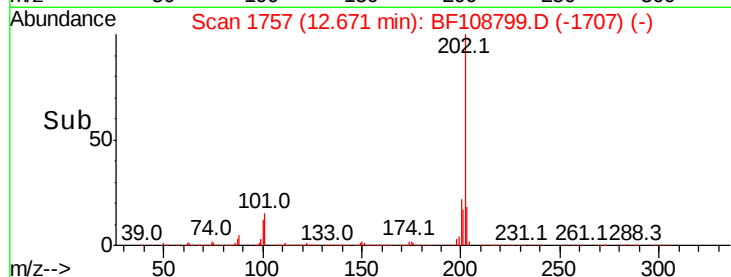
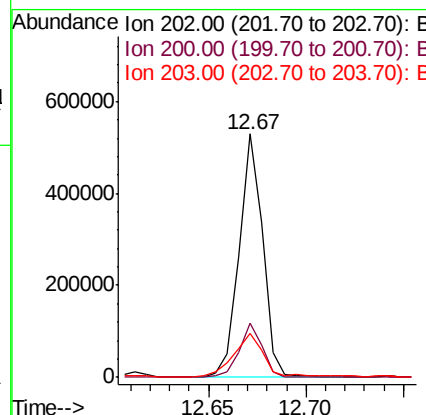
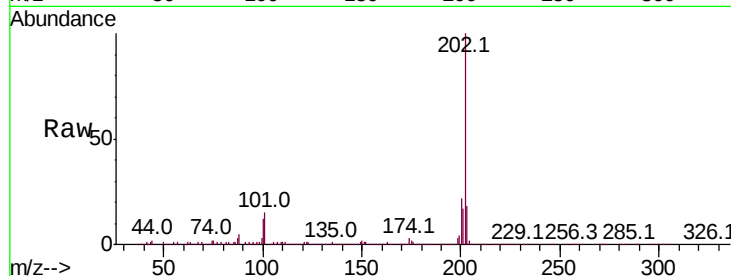
#77
Pvrene
Concen: 9.509 ng
RT: 12.67 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF108799.D
Acq: 6 Sep 2018 2:38

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#15

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.0	14.3	21.5

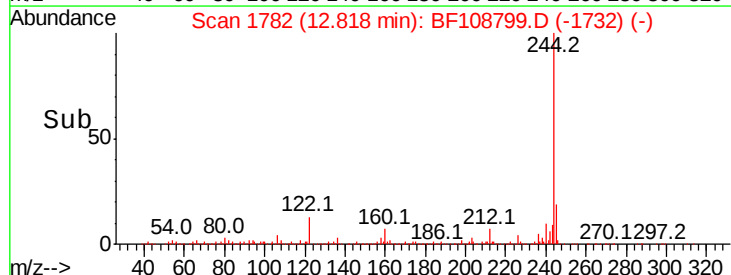
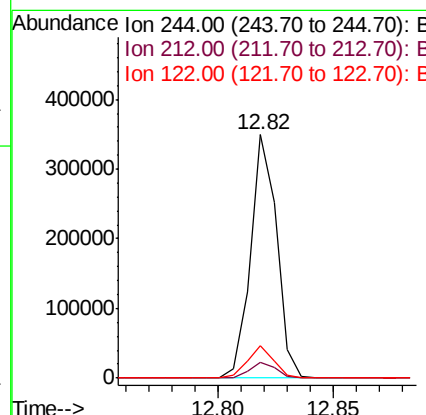
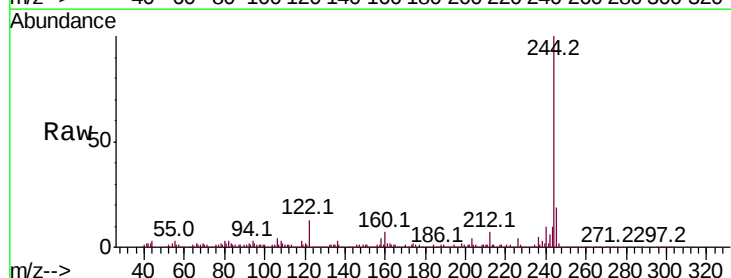
Manual Integrations
APPROVED

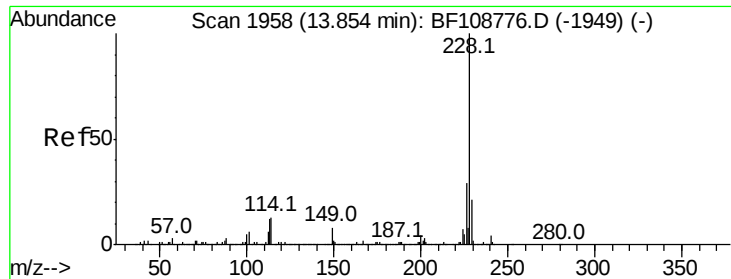
Sohil
9/6/2018 4:45:59 PM



#78
Terphenyl-d14
Concen: 10.703 ng
RT: 12.82 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF108799.D
Acq: 6 Sep 2018 2:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	13.2	11.0	16.4





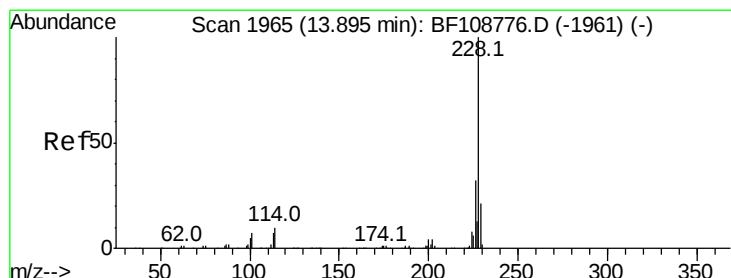
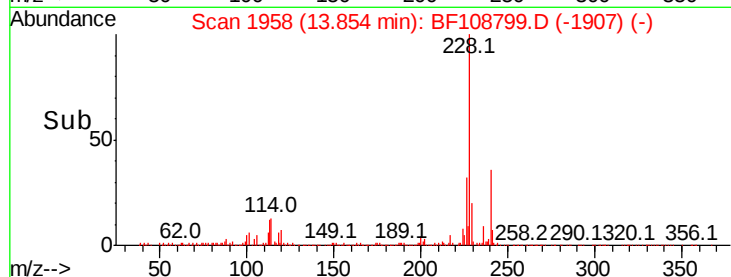
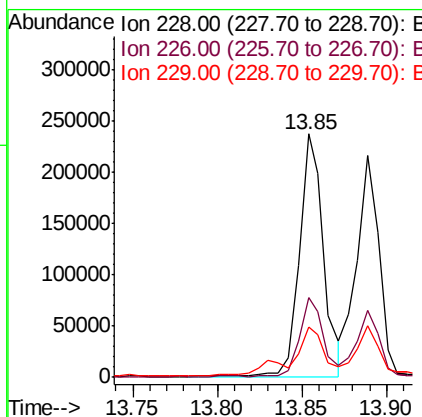
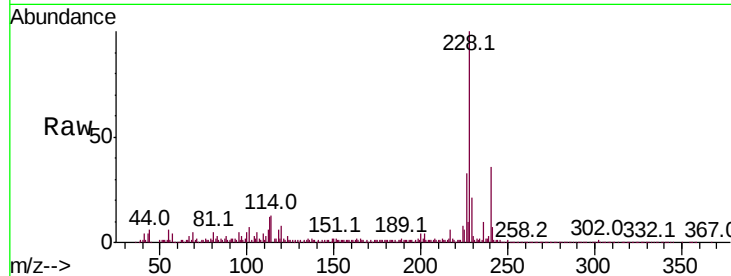
#80
Benzo(a)anthracene
Concen: 6.114 ng
RT: 13.85 min Scan# 1958
Delta R.T. -0.00 min
Lab File: BF108799.D
Acq: 6 Sep 2018 2:38

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#15

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.6	33.8
229	20.5	15.8	23.6

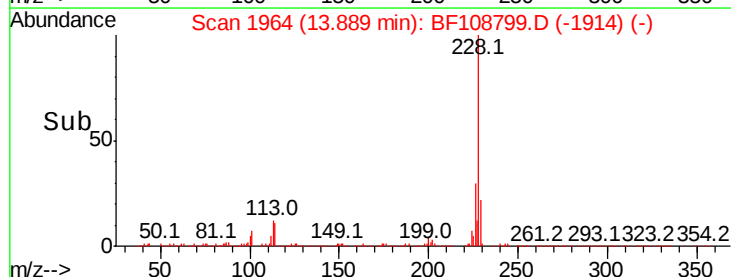
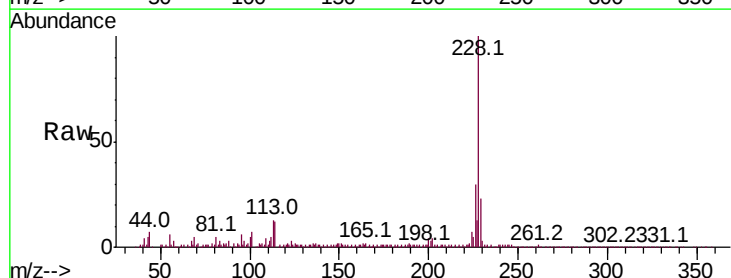
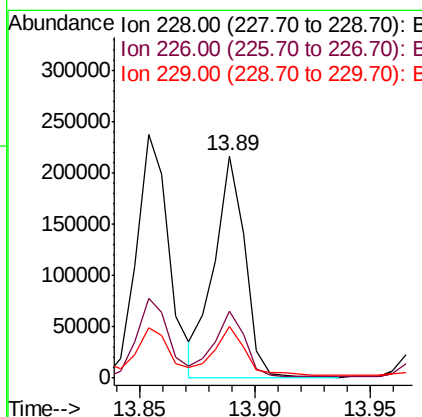
Manual Integrations
APPROVED

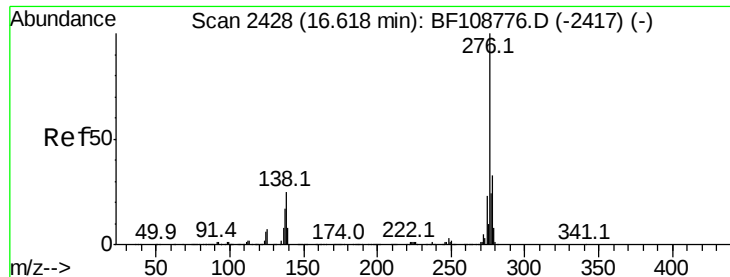
Sohil
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#82
Chrysene
Concen: 5.290 ng
RT: 13.89 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF108799.D
Acq: 6 Sep 2018 2:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	23.2	16.2	24.4





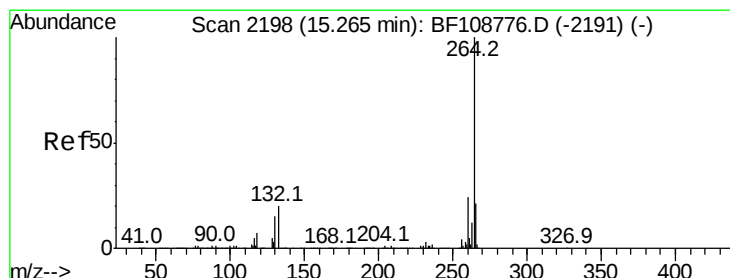
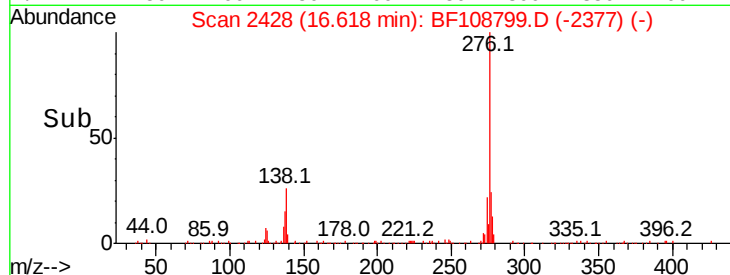
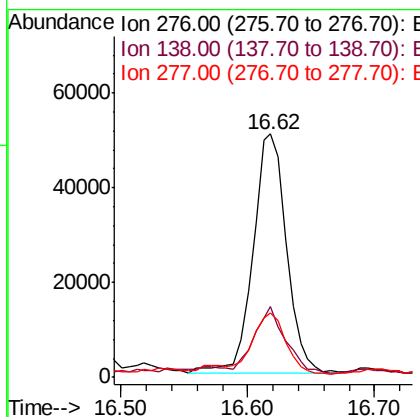
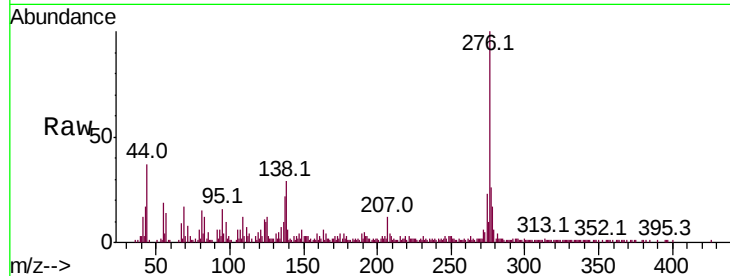
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.790 ng
RT: 16.62 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BF108799.D
Acq: 6 Sep 2018 2:38

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#15

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.9	25.0	37.6
277	25.7	20.1	30.1

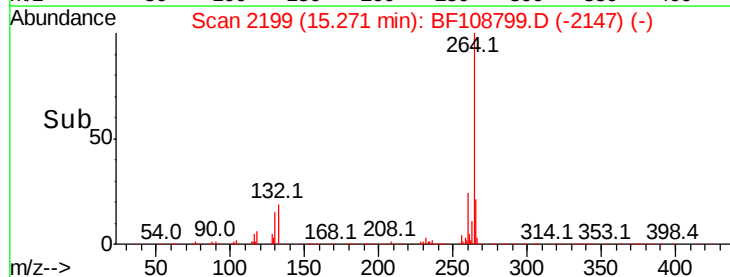
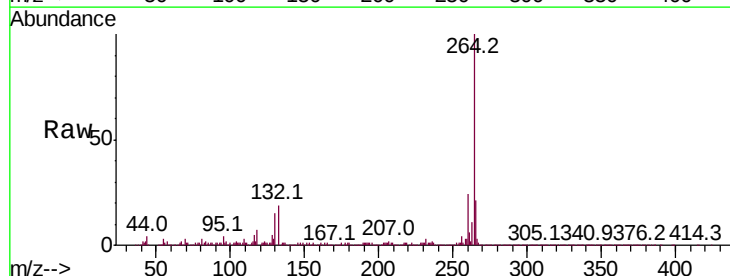
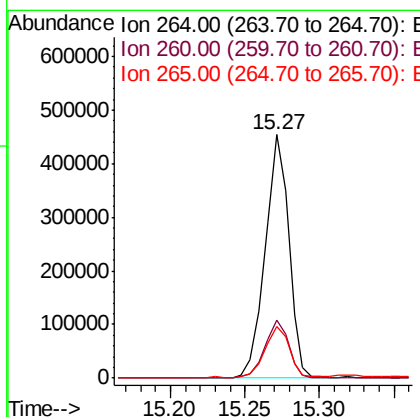
Manual Integrations
APPROVED

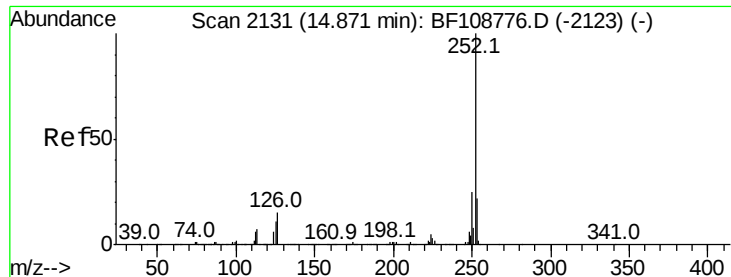
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF108799.D
Acq: 6 Sep 2018 2:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.3	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 8.444 ng m

RT: 14.87 min Scan# 2131

Delta R.T. -0.00 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA_F

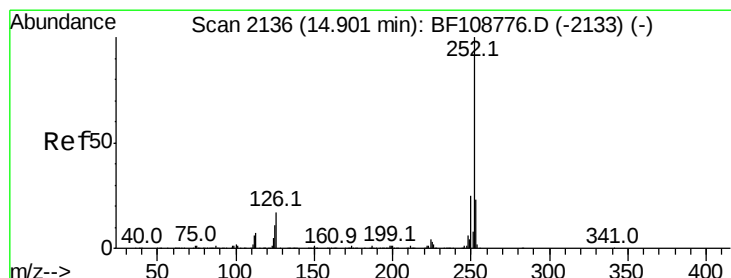
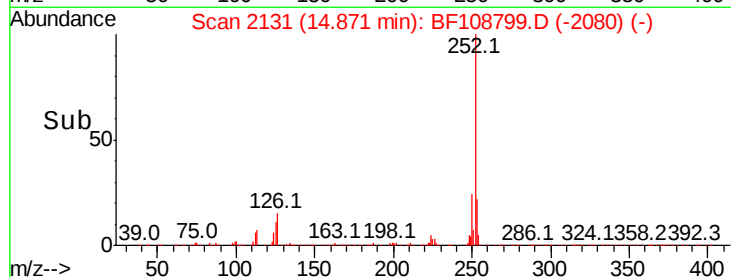
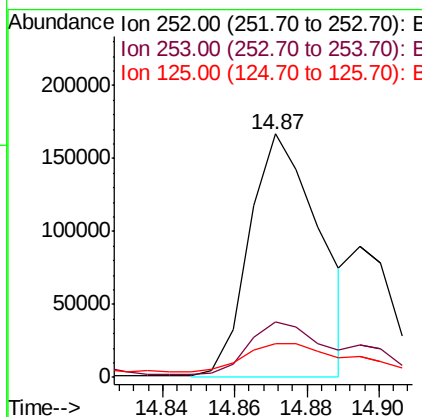
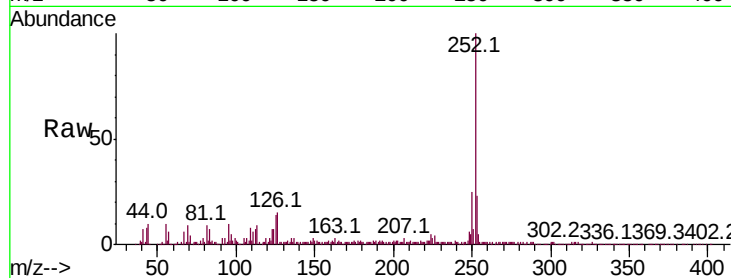
ClientSampleId :

DOCUMENTATION-#15

Tot Ion:	252	Resp:	226682
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.6
125	13.8	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.925 ng m

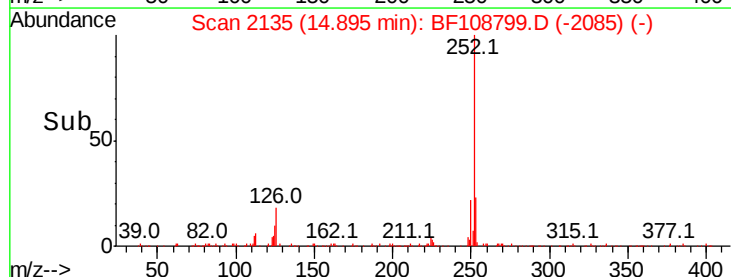
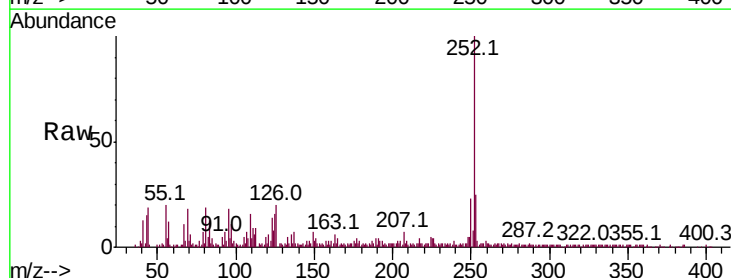
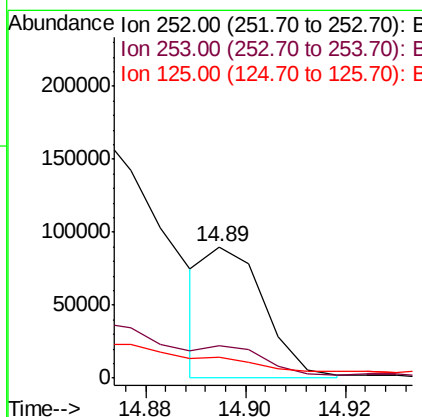
RT: 14.89 min Scan# 2135

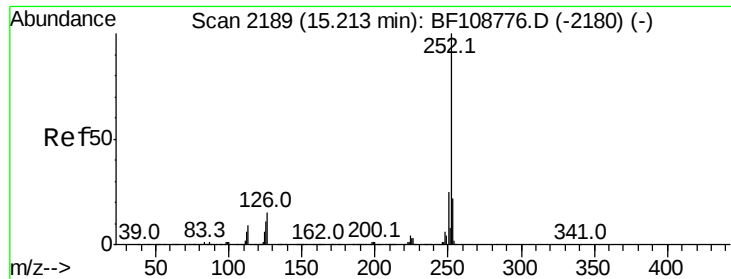
Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Tgt Ion:	252	Resp:	72307
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.9	26.9
125	15.6	10.2	15.2#





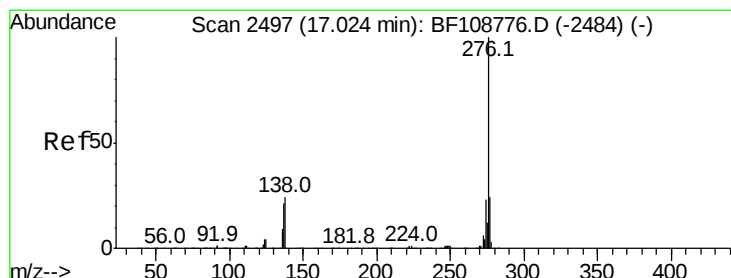
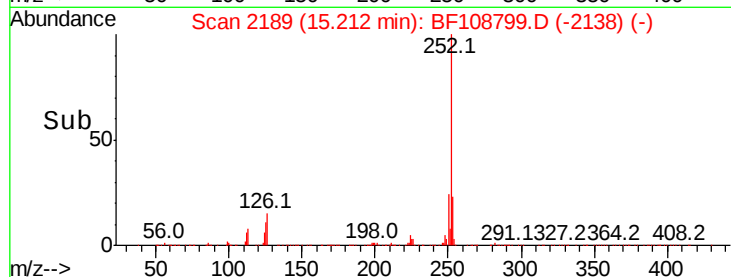
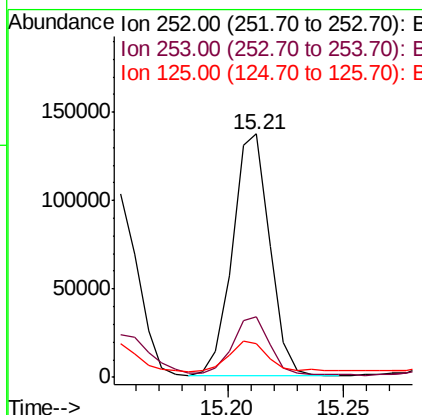
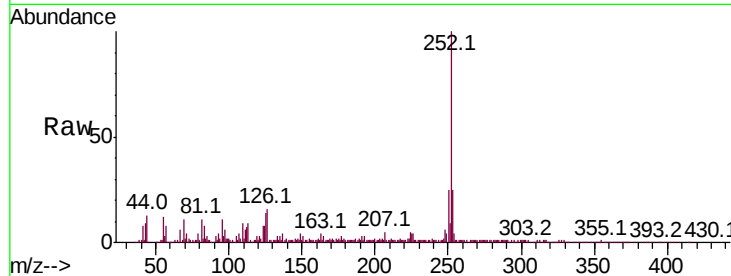
#89
Benzo(a)pyrene
Concen: 6.331 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BF108799.D
Acq: 6 Sep 2018 2:38

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#15

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	13.8	9.8	14.6

Manual Integrations
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9/6/2018 4:45:59 PM



#91
Benzo(g,h,i)perylene
Concen: 4.719 ng
RT: 17.02 min Scan# 2497
Delta R.T. -0.00 min
Lab File: BF108799.D
Acq: 6 Sep 2018 2:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	17.9	26.9
138	23.4	21.8	32.8

