

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091318\
 Data File : BF108969.D
 Acq On : 13 Sep 2018 17:29
 Operator : JU/SJ
 Sample : J4883-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 292

Manual Integrations
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 9/14/2018 8:41:12 AM

Quant Time: Sep 14 08:27:41 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	6.72	152	151537	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	597840	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	290886	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	537934	20.00	ng	0.00
75) Chrysene-d12	13.87	240	382184	20.00	ng	0.00
86) Perylene-d12	15.27	264	412055	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	128886	14.09	ng	-0.01
7) Phenol-d6	6.35	99	176423	14.99	ng	-0.02
23) Nitrobenzene-d5	7.28	82	101357	10.61	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	42392	15.27	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	174701	10.25	ng	-0.01
78) Terphenyl-d14	12.82	244	148890	9.08	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.48	163	50138	2.464	ng	Qvalue # 99
70) Phenanthrene	11.26	178	183343	7.137	ng	97
71) Anthracene	11.31	178	53103	2.159	ng	99
74) Fluoranthene	12.44	202	258573	10.166	ng	96
77) Pyrene	12.67	202	224685	7.640	ng	98
80) Benzo(a)anthracene	13.85	228	107457	4.387	ng	99
82) Chrysene	13.89	228	98607	4.158	ng	96
85) Indeno(1,2,3-cd)pyrene	16.62	276	49826	2.374	ng	# 92
87) Benzo(b)fluoranthene	14.87	252	124660m	5.564	ng	
89) Benzo(a)pyrene	15.21	252	92281	4.565	ng	97
91) Benzo(g,h,i)perylene	17.02	276	45498	2.551	ng	96

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

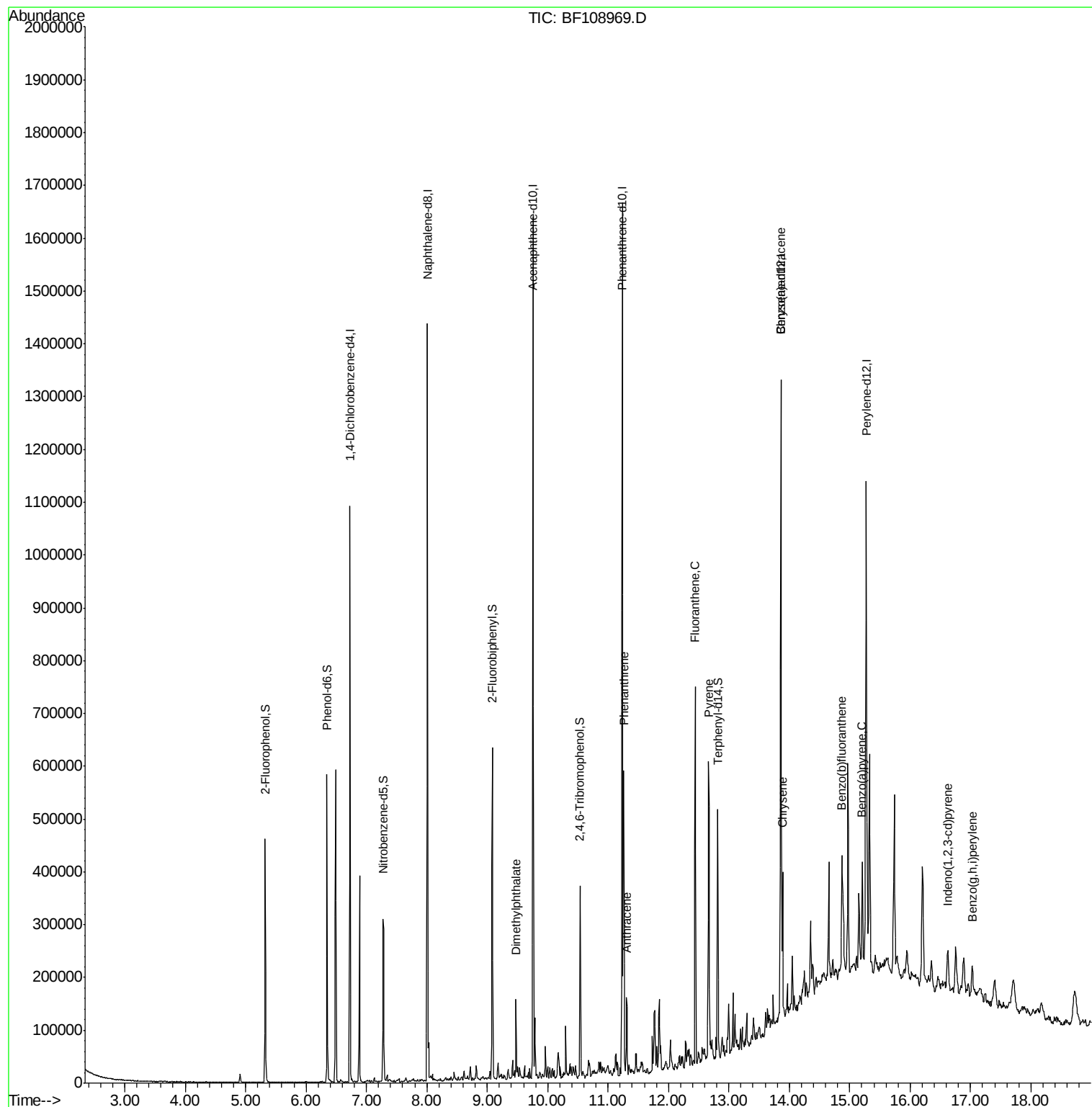
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091318\
Data File : BF108969.D
Acq On : 13 Sep 2018 17:29
Operator : JU/SJ
Sample : J4883-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

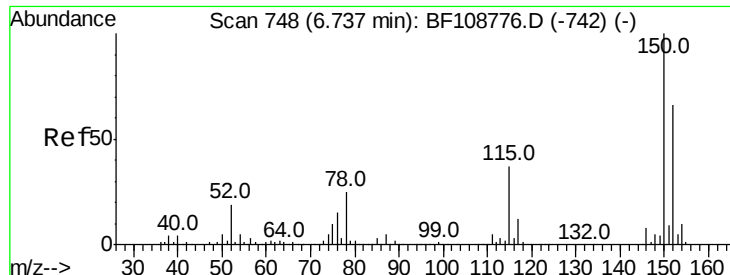
Instrument :
BNA_F
ClientSampleId :
292

Quant Time: Sep 14 08:27:41 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
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#1

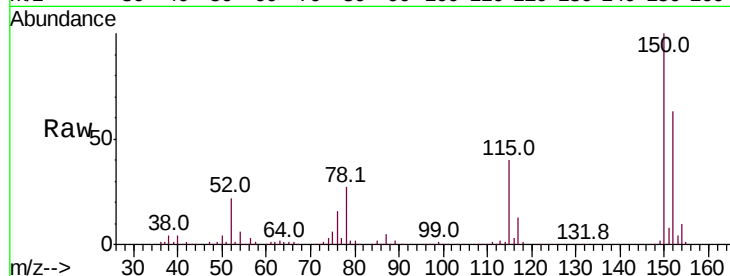
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF108969.D
Acq: 13 Sep 2018 17:29

Instrument :
BNA_F
ClientSampled :
292

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	62.8	50.1	75.1

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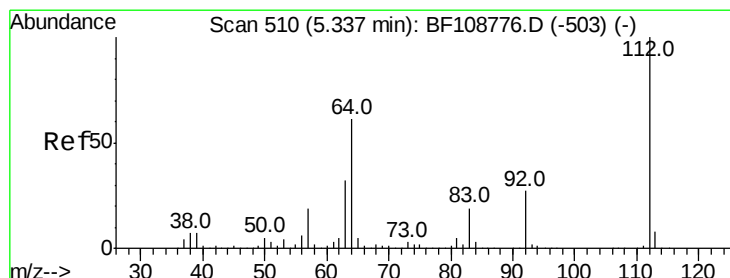
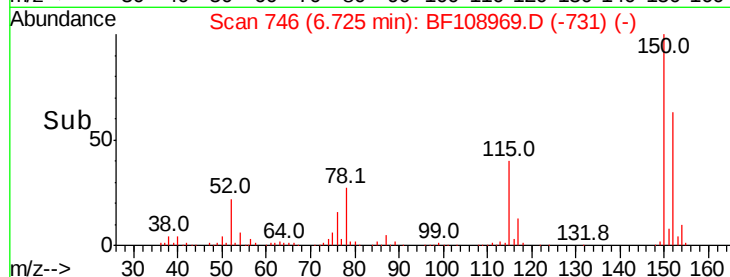
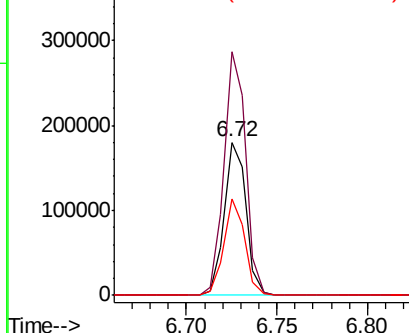


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

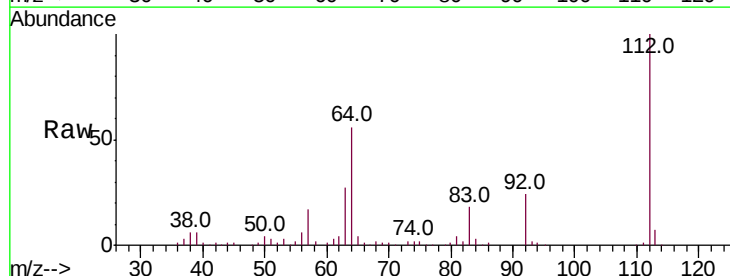
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.090 ng
RT: 5.32 min Scan# 508
Delta R.T. -0.01 min
Lab File: BF108969.D
Acq: 13 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.9	71.9
63	26.9	23.7	35.5

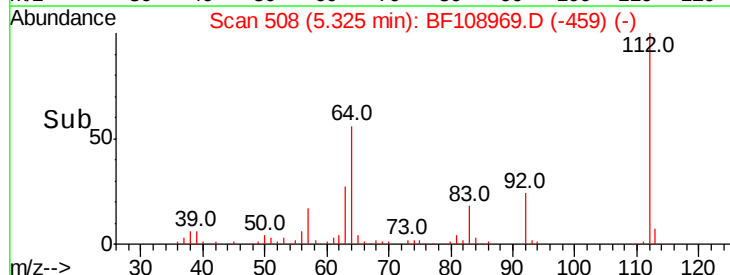
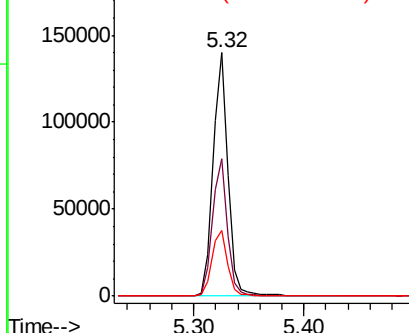


Abundance

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: 14.990 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.02 min

Lab File: BF108969.D

Acq: 13 Sep 2018 17:29

Instrument :

BNA_F

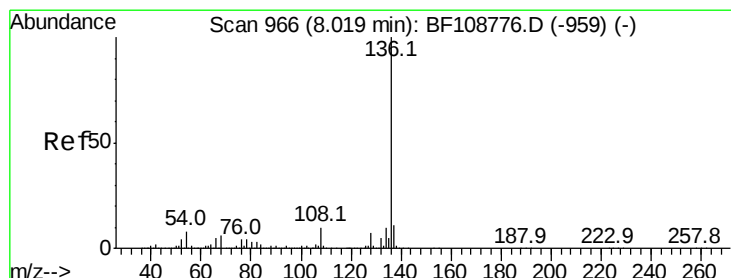
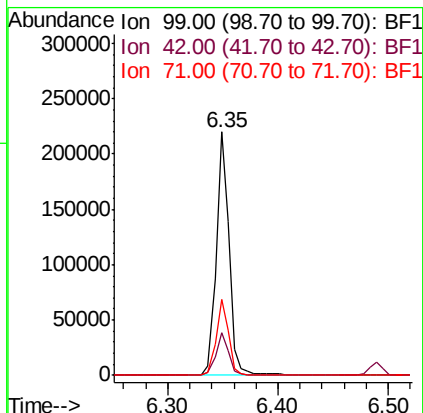
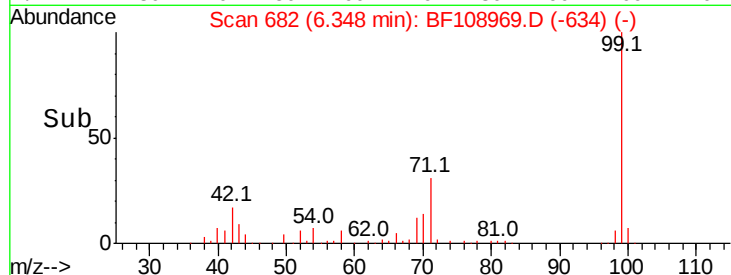
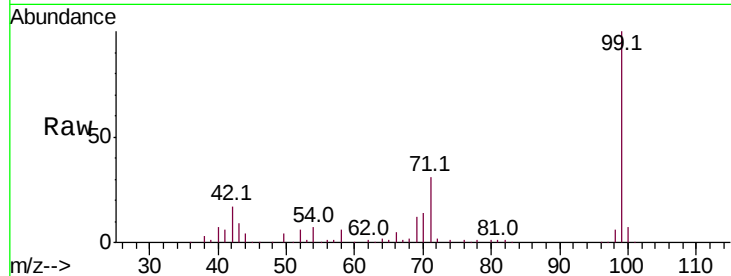
ClientSampled :

292

Tot Ion:	99	Resp:	176423
Ion Ratio	Lower	Upper	
99	100		
42	17.3	14.5	21.7
71	31.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

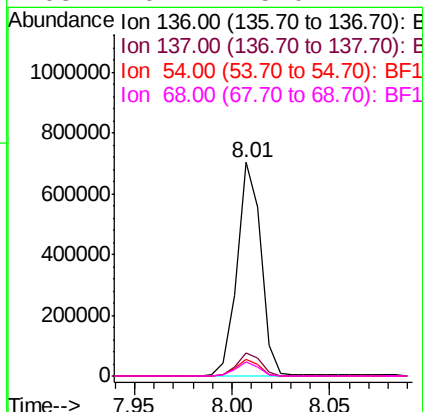
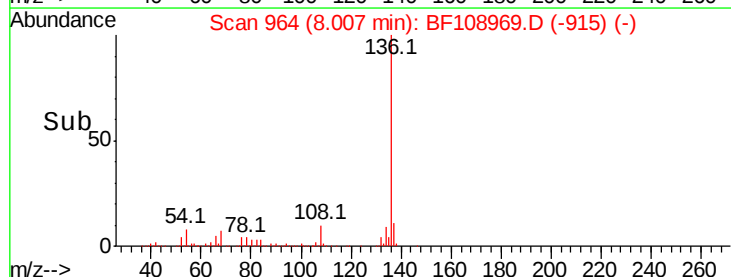
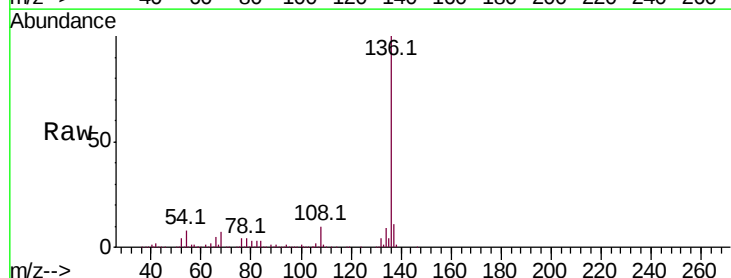
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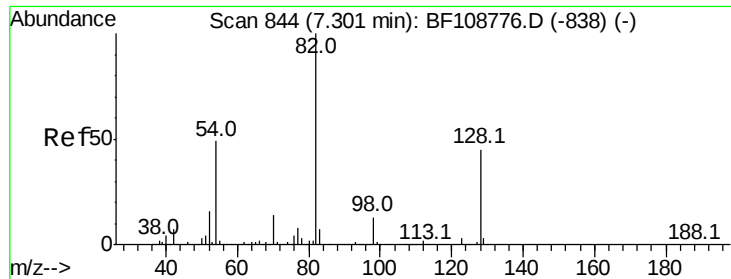
Delta R.T. -0.01 min

Lab File: BF108969.D

Acq: 13 Sep 2018 17:29

Tgt Ion:	136	Resp:	597840
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.8	6.6	9.8
68	6.7	5.0	7.4





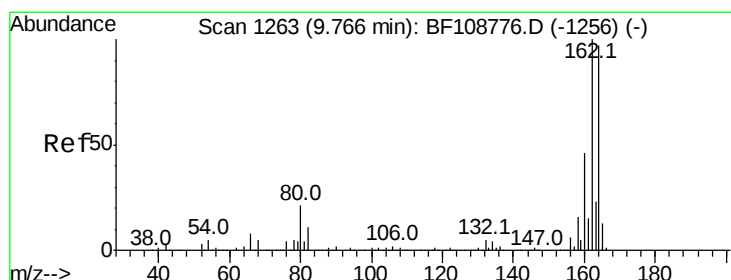
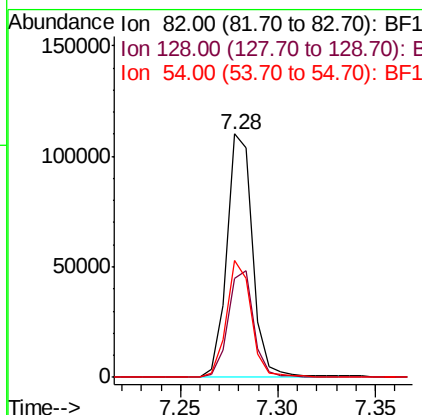
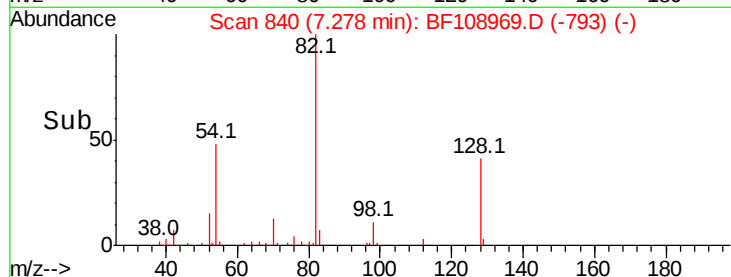
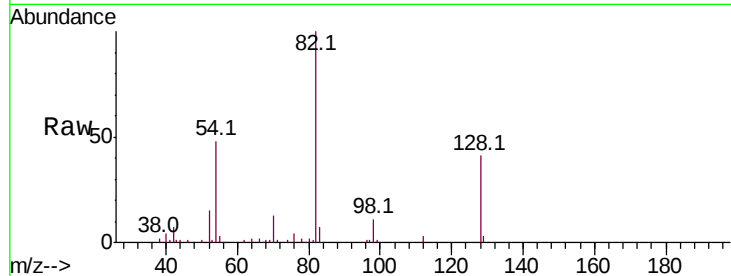
#23
Nitrobenzene-d5
Concen: 10.610 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.02 min
Lab File: BF108969.D
Acq: 13 Sep 2018 17:29

Instrument :
BNA_F
ClientSampled :
292

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.7	36.1	54.1	
54	48.2	41.4	62.2	

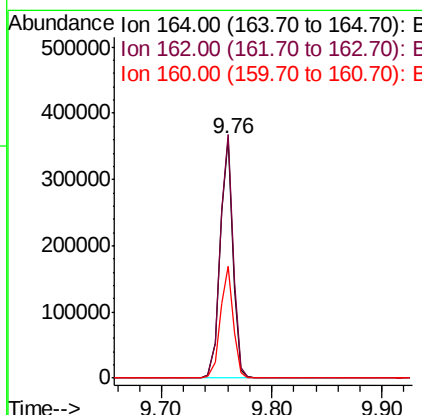
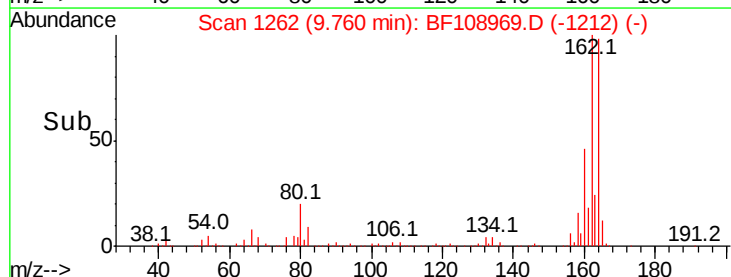
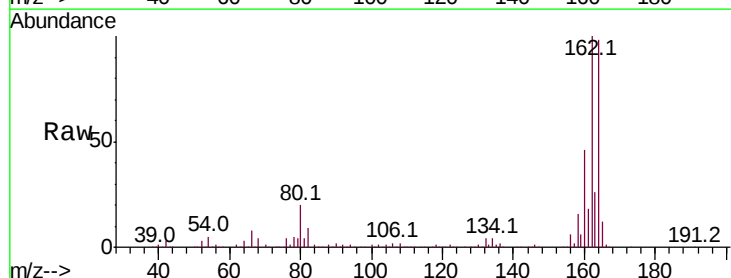
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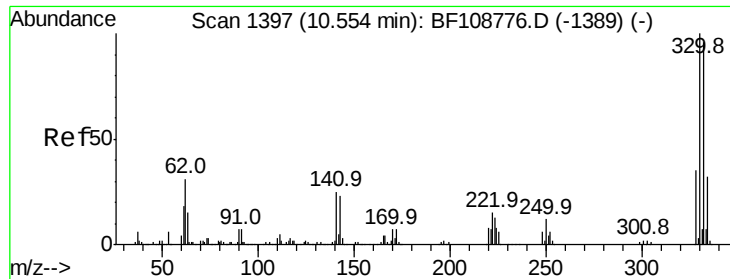
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.01 min
Lab File: BF108969.D
Acq: 13 Sep 2018 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.8	86.1	129.1	
160	46.5	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 15.266 ng

RT: 10.54 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BF108969.D

Acq: 13 Sep 2018 17:29

Instrument :

BNA_F

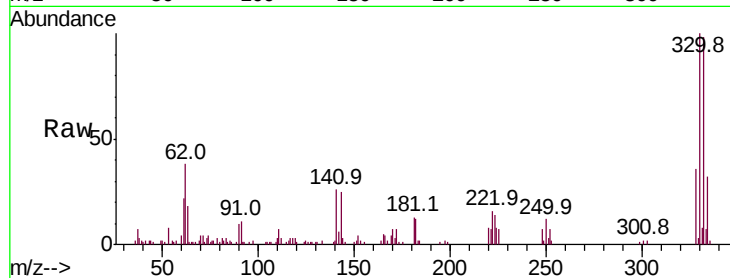
ClientSampleId :

292

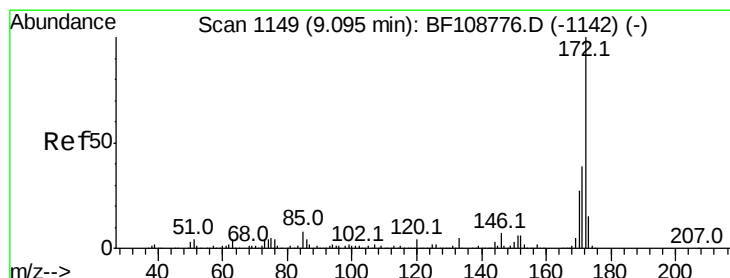
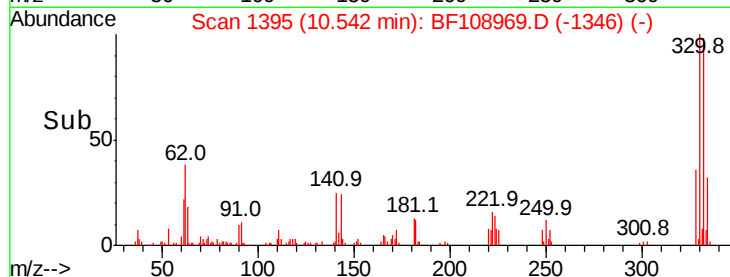
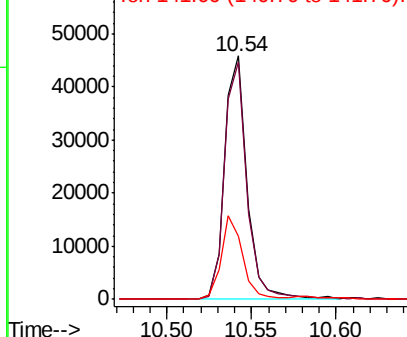
Tot Ion:	330	Resp:	42392
Ion Ratio	Lower	Upper	
330	100		
332	98.0	77.0	115.6
141	32.9	29.9	44.9

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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: 10.246 ng

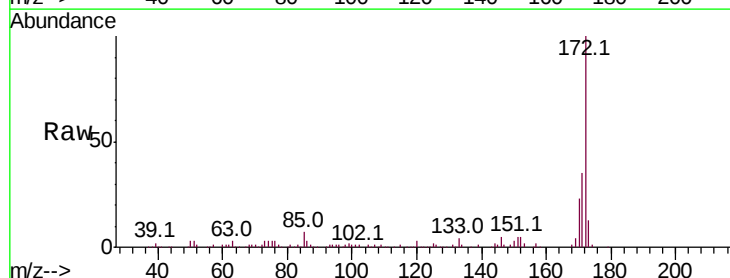
RT: 9.08 min Scan# 1147

Delta R.T. -0.01 min

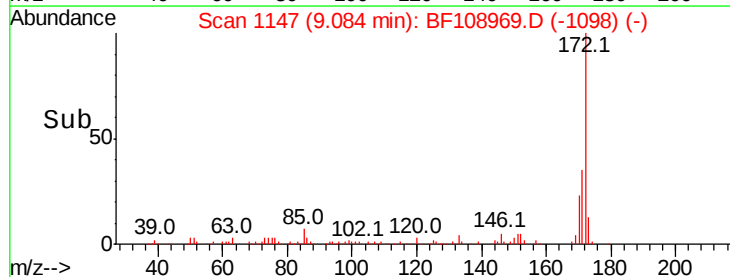
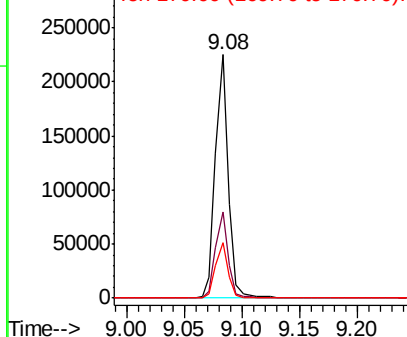
Lab File: BF108969.D

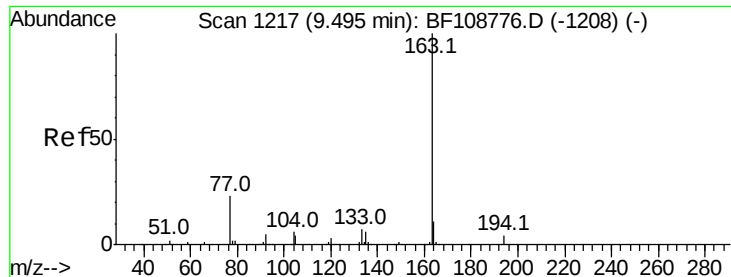
Acq: 13 Sep 2018 17:29

Tgt Ion:	172	Resp:	174701
Ion Ratio	Lower	Upper	
172	100		
171	35.2	29.7	44.5
170	22.7	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





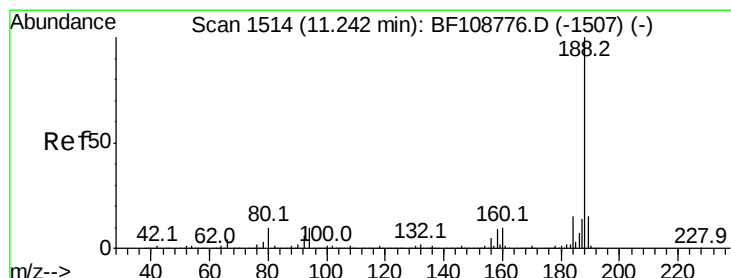
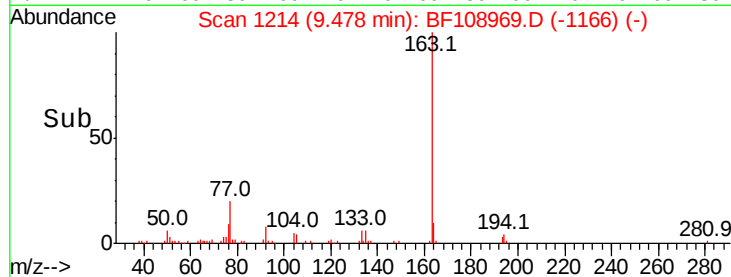
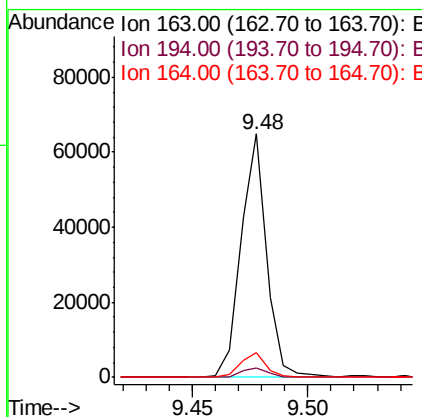
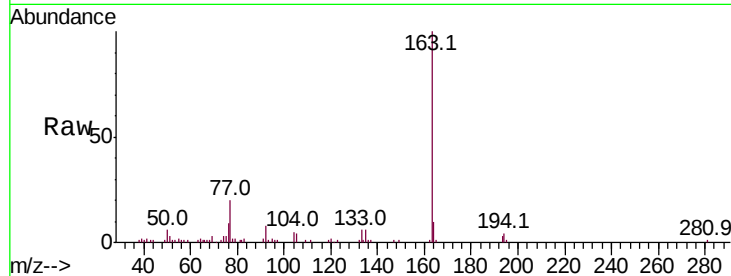
#49
Dimethylphthalate
Concen: 2.464 ng
RT: 9.48 min Scan# 1214
Delta R.T. -0.02 min
Lab File: BF108969.D
Acq: 13 Sep 2018 17:29

Instrument :
BNA_F
ClientSampleId :
292

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	2.7	4.1#	
164	10.0	8.2	12.2	

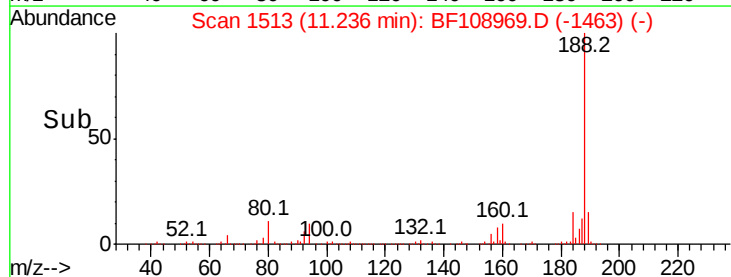
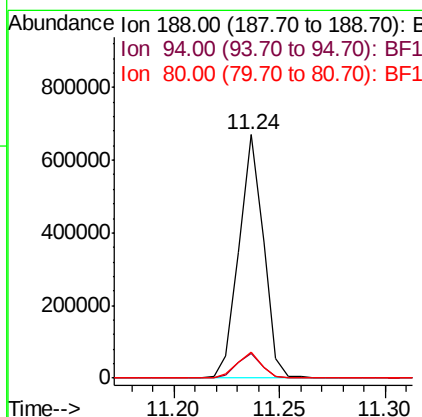
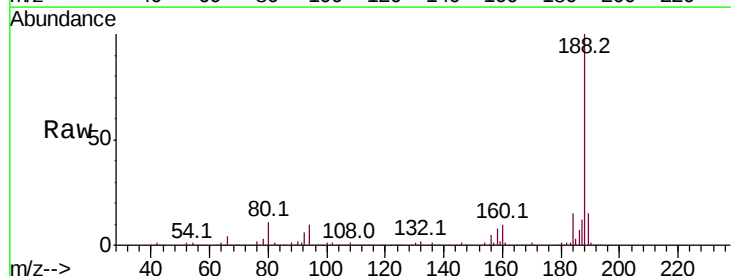
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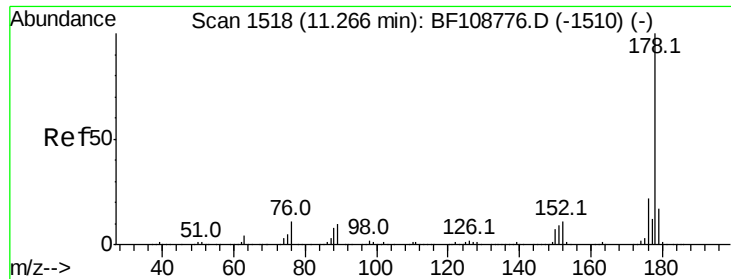
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1513
Delta R.T. -0.01 min
Lab File: BF108969.D
Acq: 13 Sep 2018 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.3	8.5	12.7	
80	10.8	9.2	13.8	





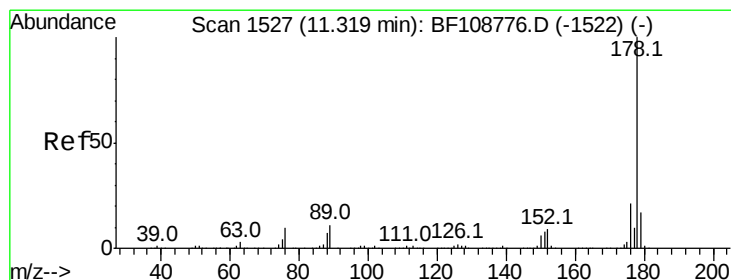
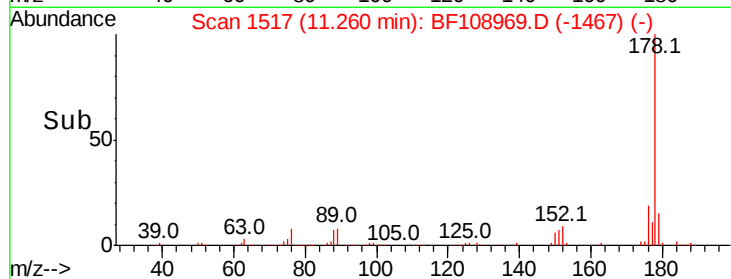
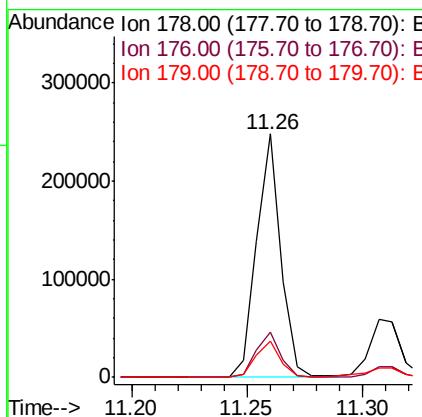
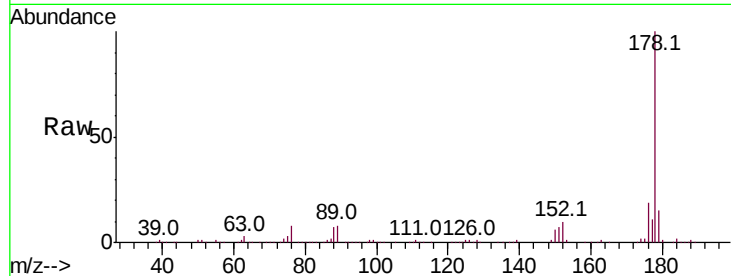
#70
Phenanthrene
Concen: 7.137 ng
RT: 11.26 min Scan# 1517
Delta R.T. -0.01 min
Lab File: BF108969.D
Acq: 13 Sep 2018 17:29

Instrument :
BNA_F
ClientSampleId :
292

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.1	13.0	19.6

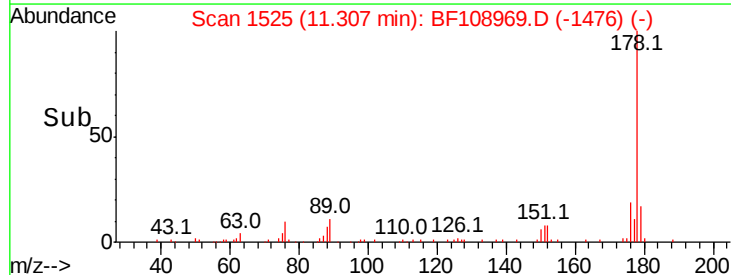
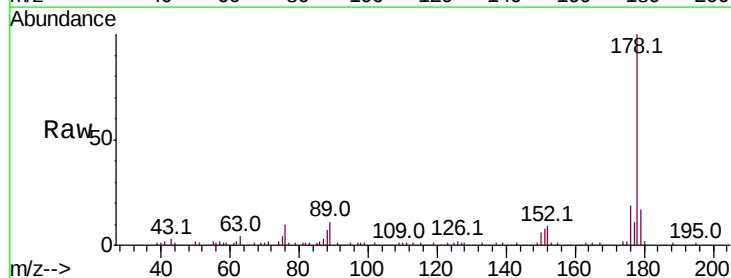
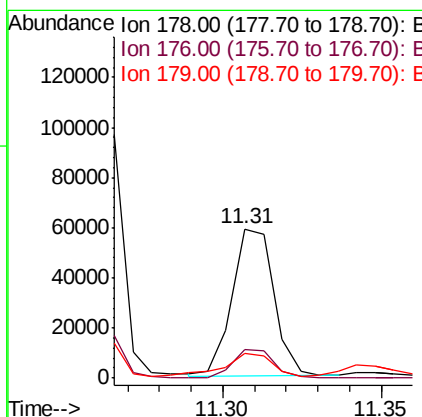
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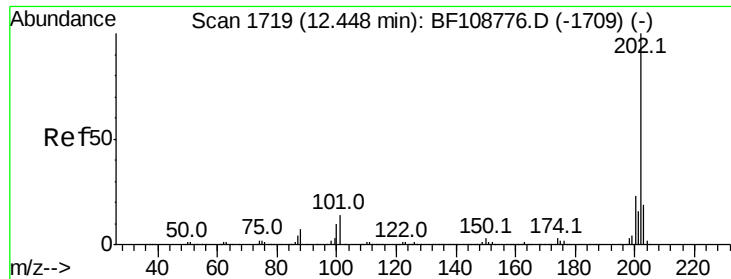
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#71
Anthracene
Concen: 2.159 ng
RT: 11.31 min Scan# 1525
Delta R.T. -0.01 min
Lab File: BF108969.D
Acq: 13 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.6	12.6	19.0





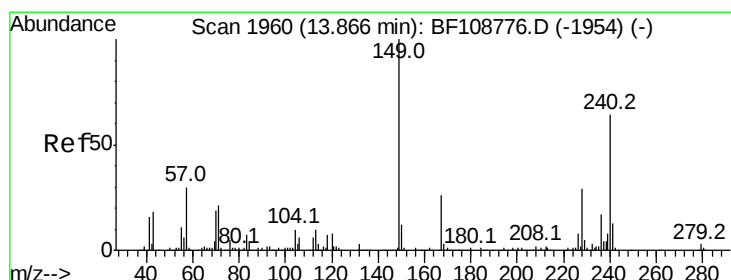
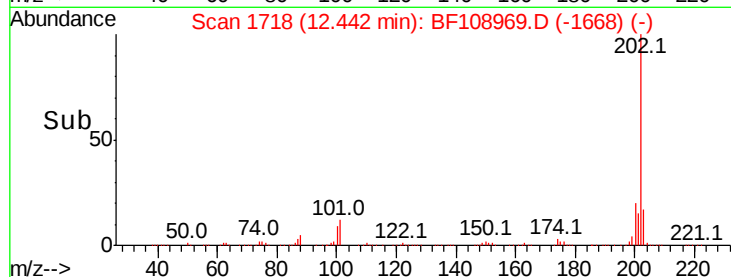
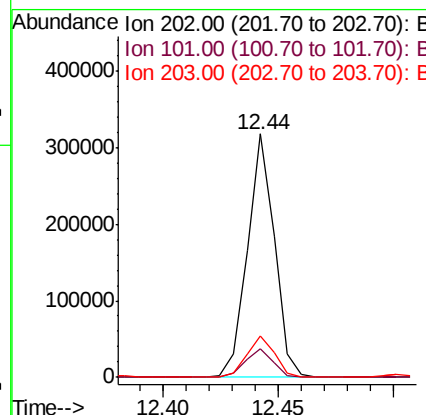
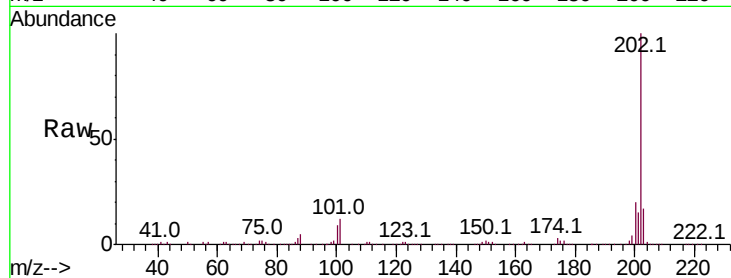
#74
 Fluoranthene
 Concen: 10.166 ng
 RT: 12.44 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BF108969.D
 Acq: 13 Sep 2018 17:29

Instrument :
 BNA_F
 ClientSampleId :
 292

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.1	0.0	38.1

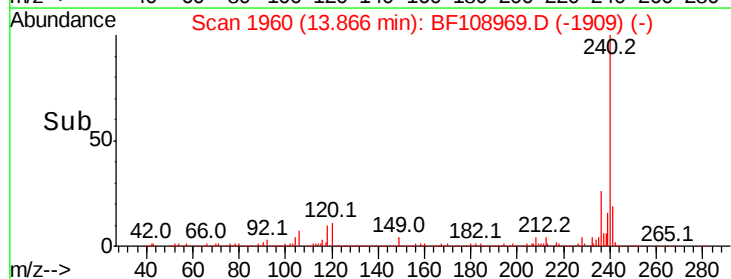
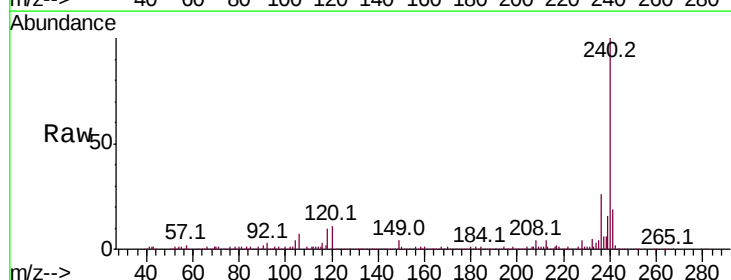
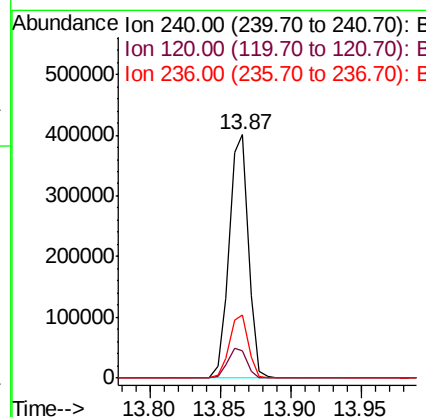
Manual Integrations
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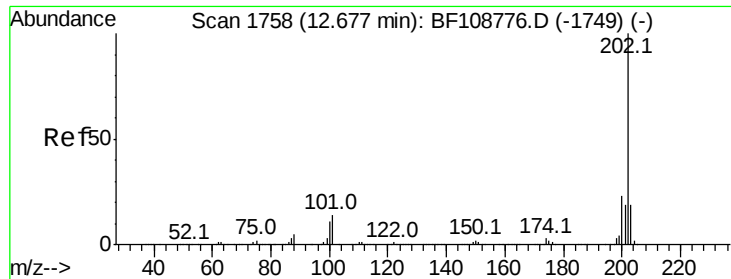
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: BF108969.D
 Acq: 13 Sep 2018 17:29

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.0	9.5	14.3
236	26.2	20.7	31.1





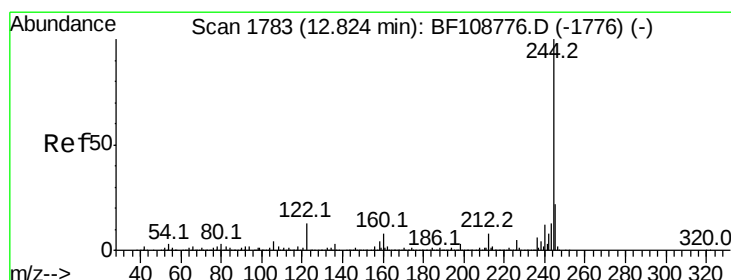
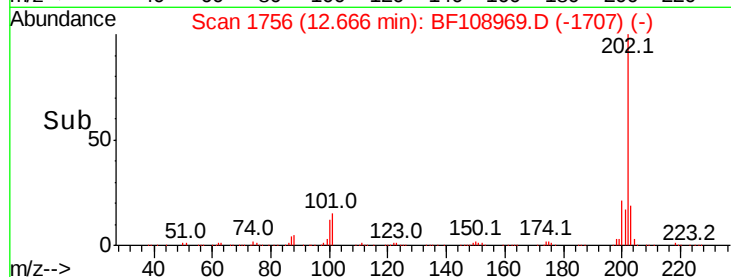
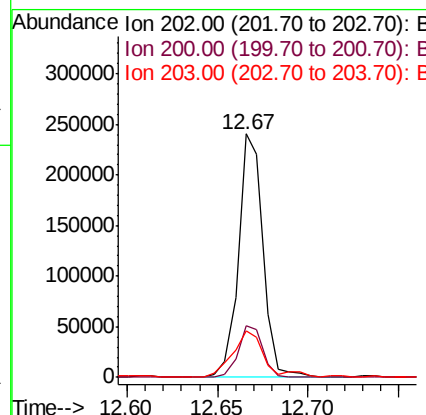
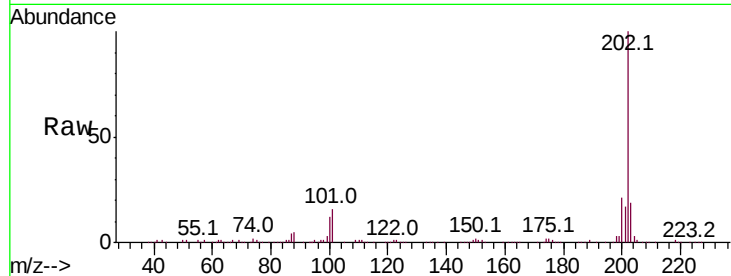
#77
Pvrene
Concen: 7.640 ng
RT: 12.67 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF108969.D
Acq: 13 Sep 2018 17:29

Instrument :
BNA_F
ClientSampleId :
292

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.4	26.2
203	19.2	14.3	21.5

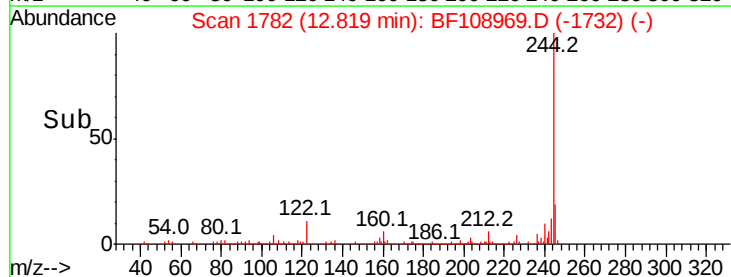
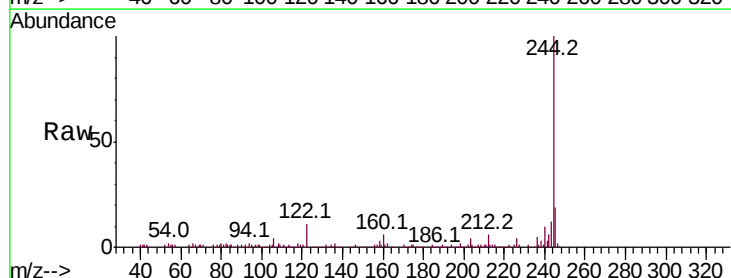
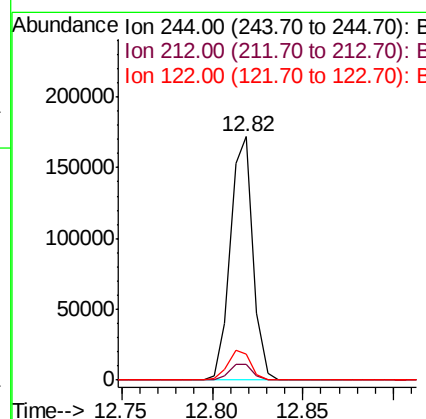
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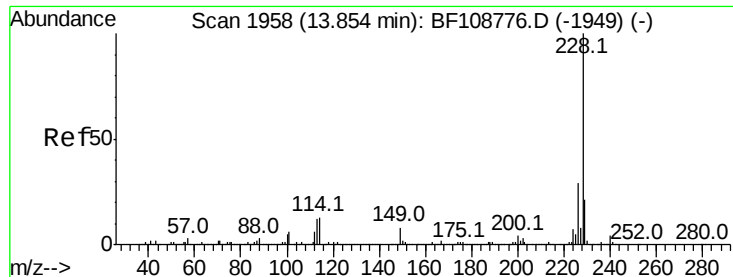
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#78
Terphenyl-d14
Concen: 9.085 ng
RT: 12.82 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF108969.D
Acq: 13 Sep 2018 17:29

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.6	11.0	16.4





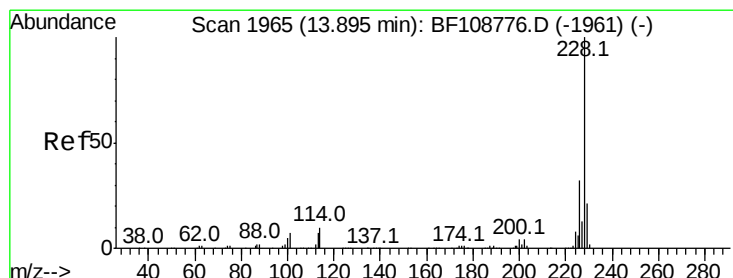
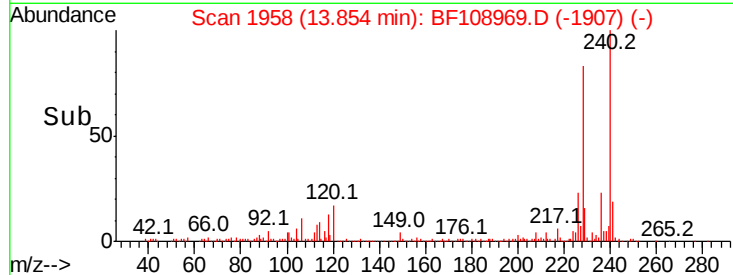
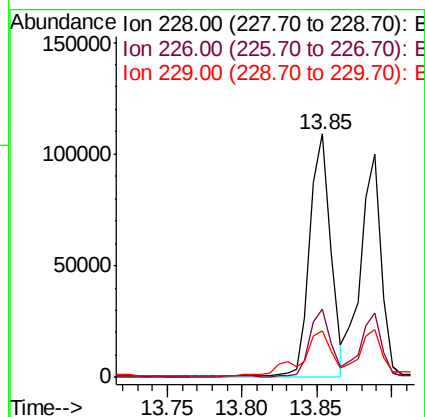
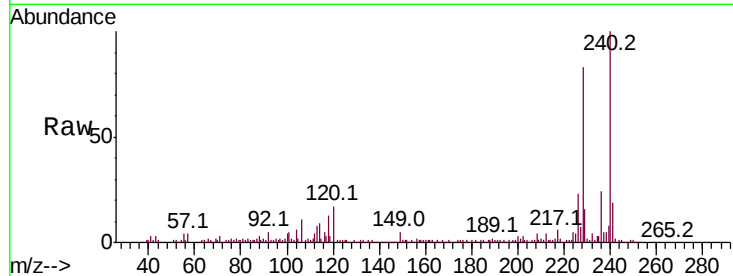
#80
Benzo(a)anthracene
Concen: 4.387 ng
RT: 13.85 min Scan# 1958
Delta R.T. 0.00 min
Lab File: BF108969.D
Acq: 13 Sep 2018 17:29

Instrument :
BNA_F
ClientSampled :
292

Tot Ion:228	Resp:	107457
Ion Ratio	Lower	Upper
228 100		
226 28.1	22.6	33.8
229 19.2	15.8	23.6

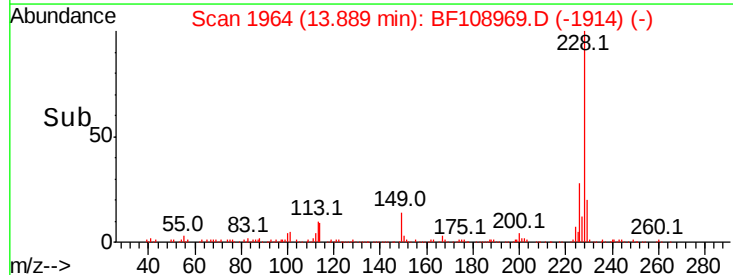
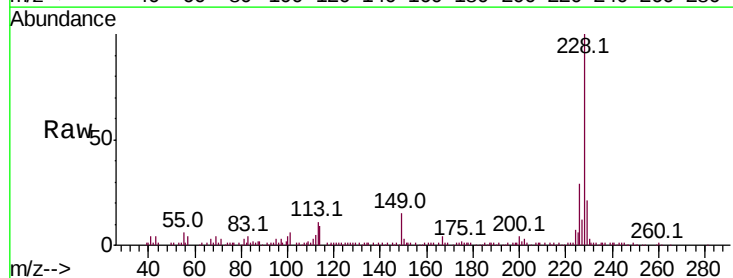
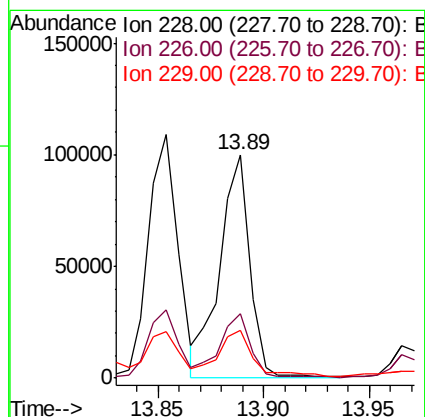
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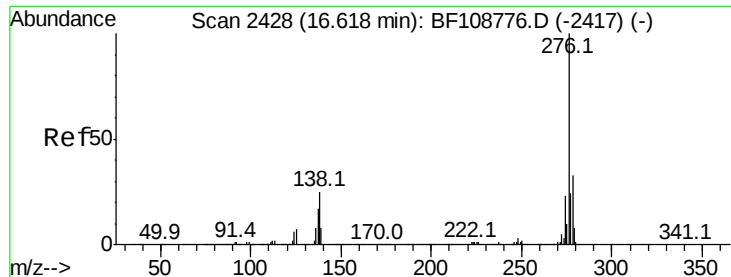
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#82
Chrysene
Concen: 4.158 ng
RT: 13.89 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF108969.D
Acq: 13 Sep 2018 17:29

Tgt Ion:228	Resp:	98607
Ion Ratio	Lower	Upper
228 100		
226 28.7	25.0	37.6
229 21.3	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.374 ng

RT: 16.62 min Scan# 2429

Delta R.T. 0.01 min

Lab File: BF108969.D

Acq: 13 Sep 2018 17:29

Instrument :

BNA_F

ClientSampleId :

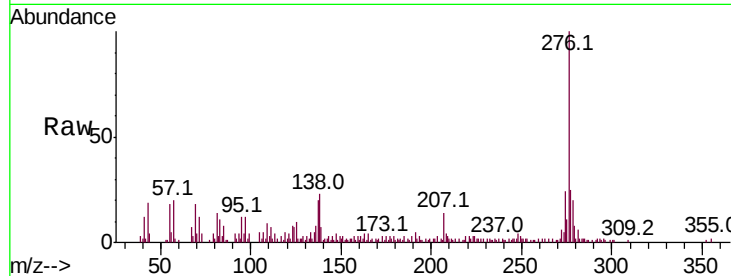
292

Tot Ion:	276	Resp:	49826
Ion Ratio	Lower	Upper	
276	100		
138	23.3	25.0	37.6#
277	24.7	20.1	30.1

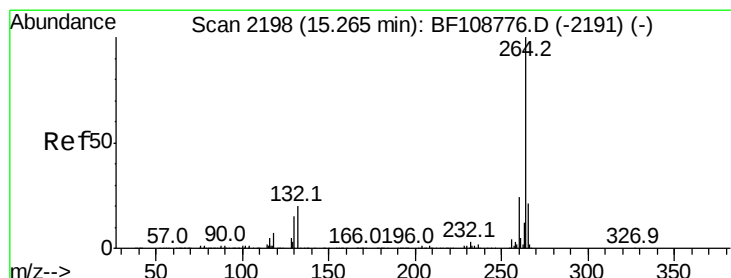
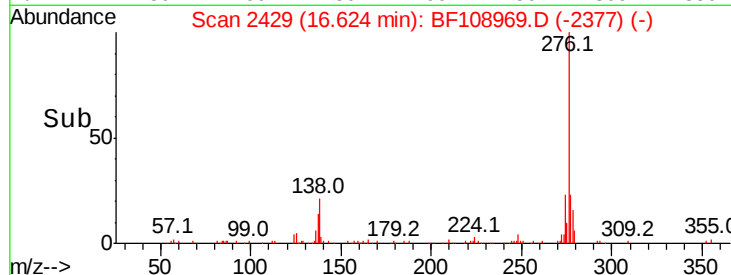
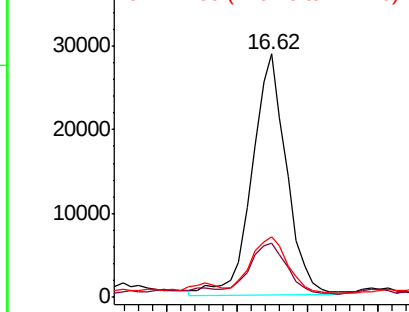
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2199

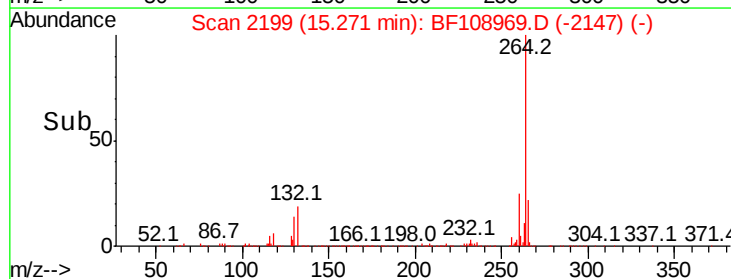
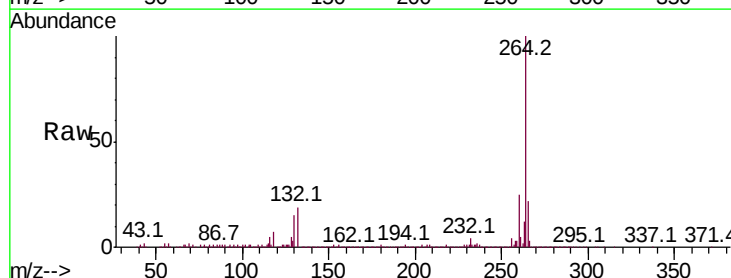
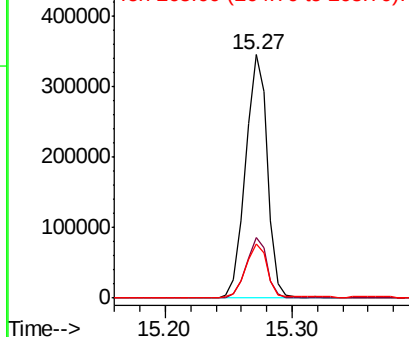
Delta R.T. 0.01 min

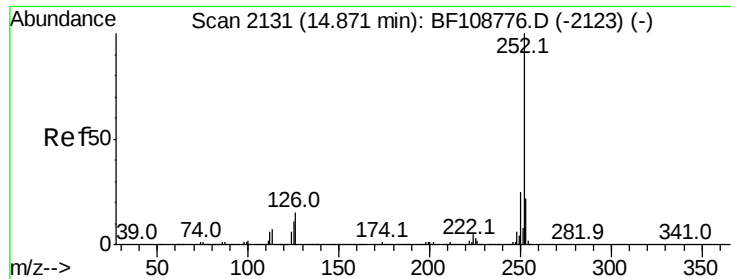
Lab File: BF108969.D

Acq: 13 Sep 2018 17:29

Tgt Ion:	264	Resp:	412055
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.2	28.8
265	22.4	17.5	26.3

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





#87

Benzo(b)fluoranthene

Concen: 5.564 ng

RT: 14.87 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BF108969.D

Acq: 13 Sep 2018 17:29

Instrument :

BNA_F

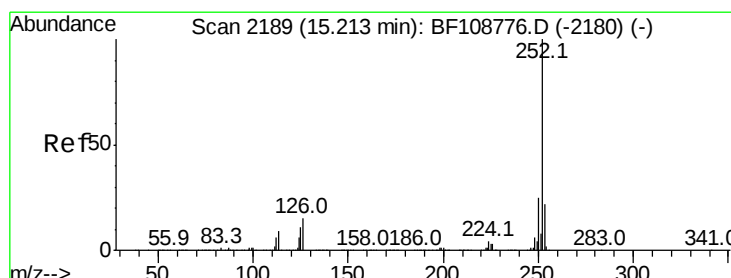
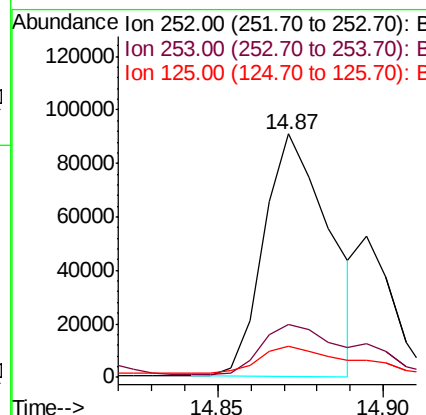
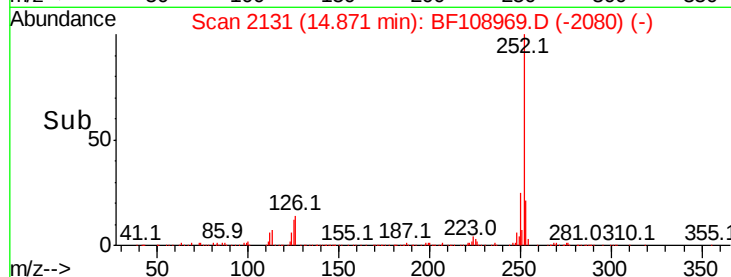
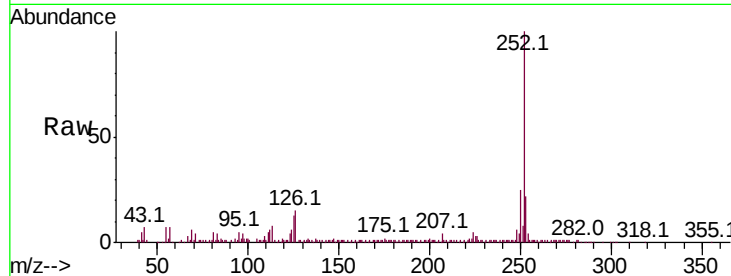
ClientSampleId :

292

Tot Ion:	252	Resp:	124660
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.0	25.6
125	13.0	9.0	13.6

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#89

Benzo(a)pyrene

Concen: 4.565 ng

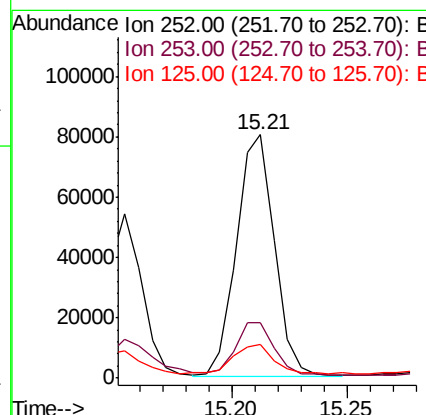
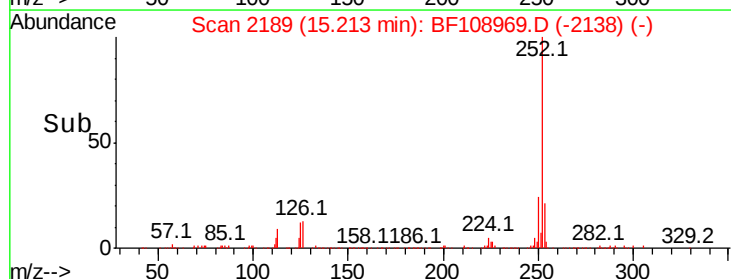
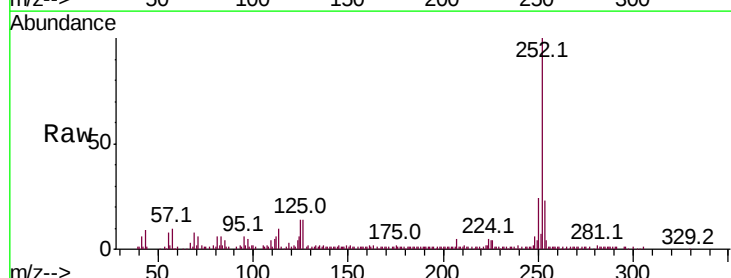
RT: 15.21 min Scan# 2189

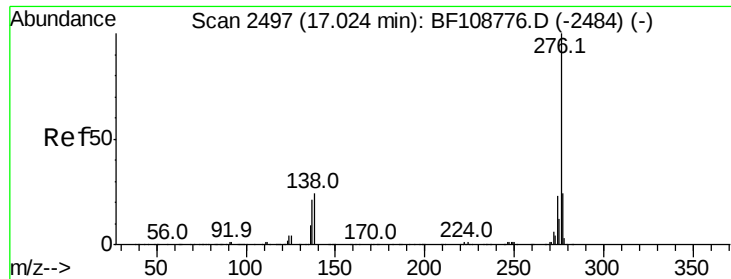
Delta R.T. 0.00 min

Lab File: BF108969.D

Acq: 13 Sep 2018 17:29

Tgt Ion:	252	Resp:	92281
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.1	25.7
125	13.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.551 ng
 RT: 17.02 min Scan# 2497
 Delta R.T. 0.00 min
 Lab File: BF108969.D
 Acq: 13 Sep 2018 17:29

Instrument :
 BNA_F
 ClientSampleId :
 292

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	25.3	21.8	32.8

Manual Integrations
 APPROVED

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