

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
 Data File : BF109430.D
 Acq On : 28 Sep 2018 15:27
 Operator : JU/SJ
 Sample : J4776-05 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-092718-A

Manual Integrations
 APPROVED

Sohil
 10/1/2018 9:56:59 AM

Quant Time: Sep 28 18:43:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	131137	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	487278	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	209227	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	336380	20.00	ng	0.00
75) Chrysene-d12	13.84	240	264995	20.00	ng	0.00
86) Perylene-d12	15.24	264	226263	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	333065	41.83	ng	0.00
7) Phenol-d6	6.35	99	425311	41.86	ng	-0.01
23) Nitrobenzene-d5	7.26	82	267971	32.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	62829	30.46	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	472375	34.05	ng	-0.01
78) Terphenyl-d14	12.80	244	314660	29.14	ng	0.00
Target Compounds						
10) Phenol	6.36	94	23681	2.058	ng	99
49) Dimethylphthalate	9.46	163	78374	5.150	ng	99
57) Fluorene	10.28	166	29844	2.264	ng	99
70) Phenanthrene	11.24	178	217063	12.924	ng	97
71) Anthracene	11.29	178	58356	3.426	ng	98
74) Fluoranthene	12.42	202	207438	11.557	ng	97
77) Pyrene	12.65	202	193973	10.214	ng	100
80) Benzo(a)anthracene	13.83	228	83616	5.239	ng	97
82) Chrysene	13.87	228	79868	5.048	ng	97
83) Bis(2-ethylhexyl)phthalate	13.72	149	167115	16.400	ng	# 54
85) Indeno(1,2,3-cd)pyrene	16.60	276	32261	2.516	ng	# 88
87) Benzo(b)fluoranthene	14.85	252	90793m	7.303	ng	
89) Benzo(a)pyrene	15.19	252	60305	5.383	ng	94
91) Benzo(a,h,i)perylene	17.00	276	30589	3.386	ng	# 91

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

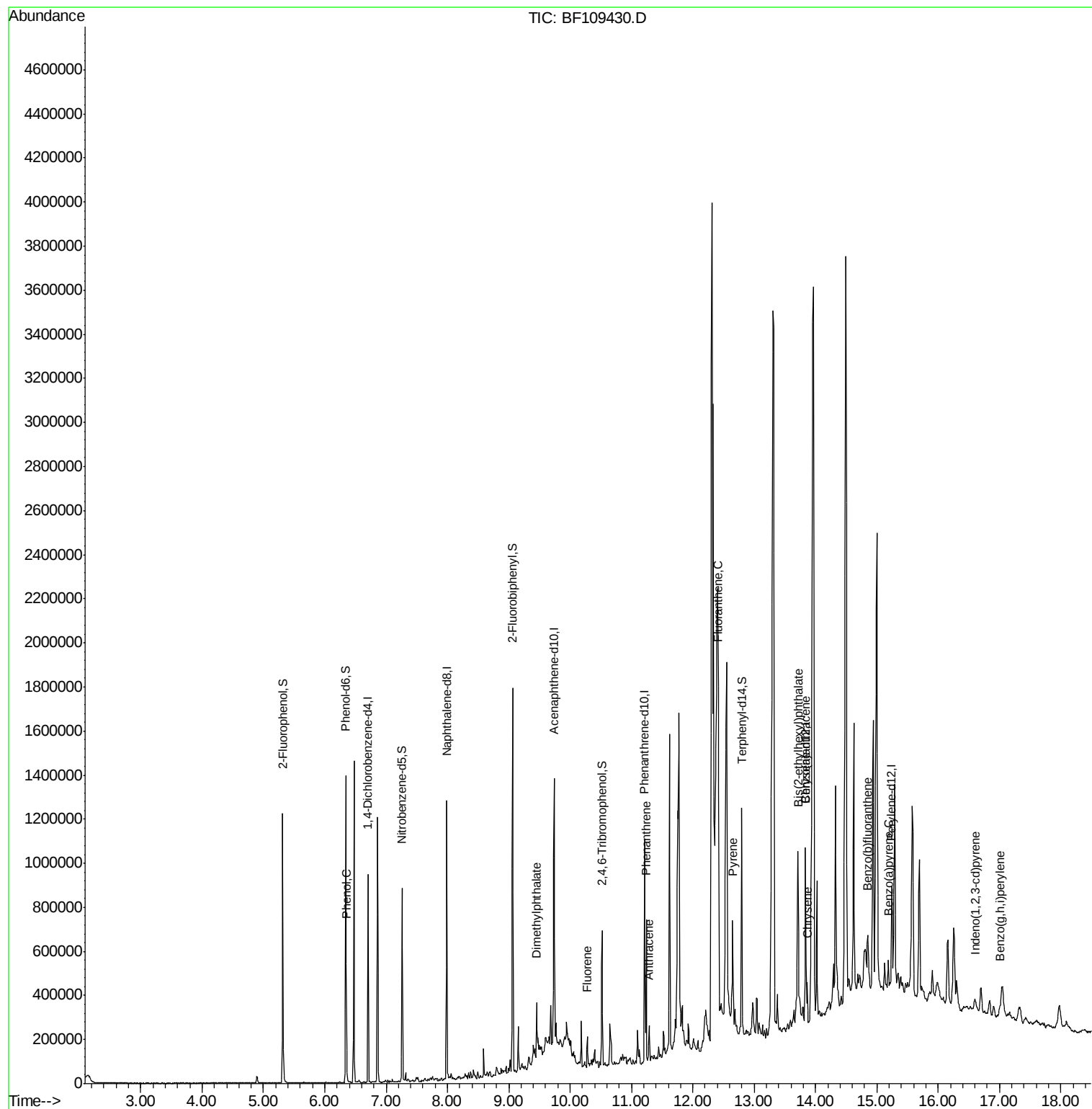
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109430.D
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Operator : JU/SJ
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#1

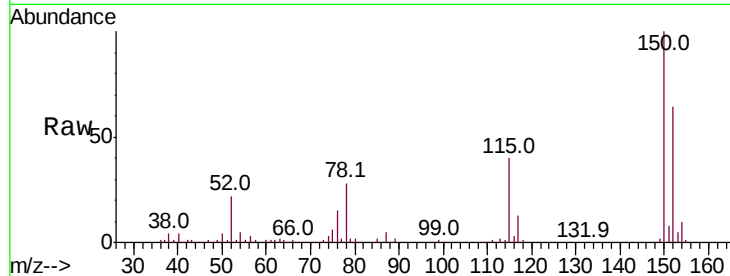
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Instrument :
BNA_F
ClientSampleId :
EO-01-092718-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	63.2	50.1	75.1

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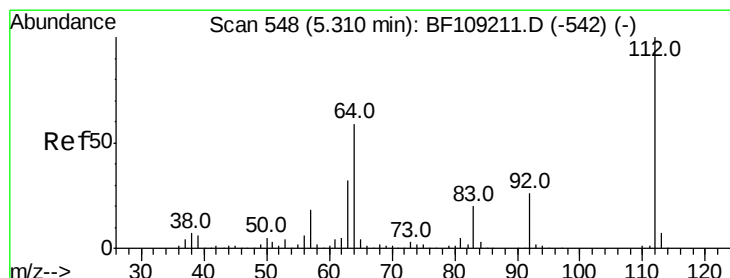
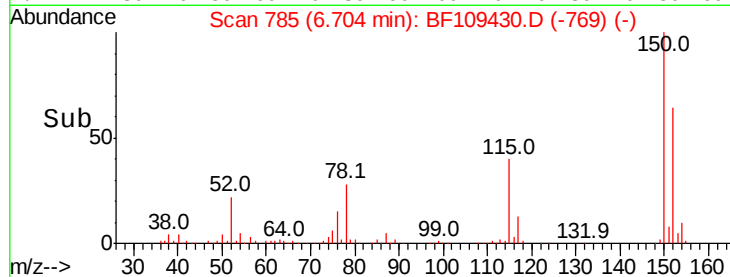
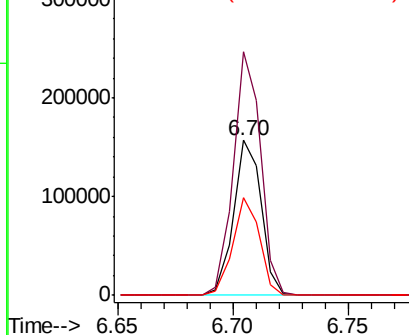


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

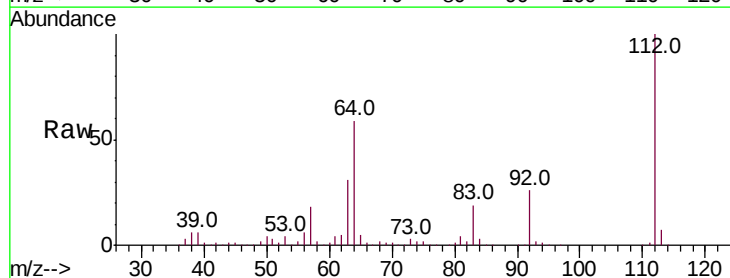
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 41.833 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.9	71.9
63	31.0	23.7	35.5

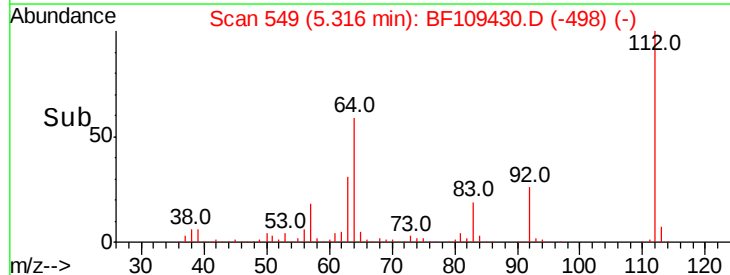
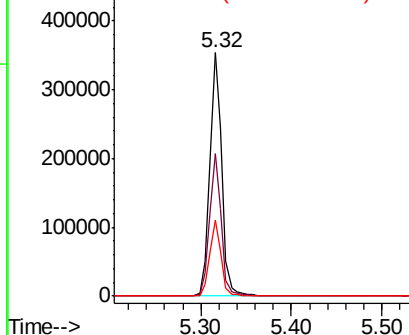


Abundance

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: 41.863 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109430.D

Acq: 28 Sep 2018 15:27

Instrument :

BNA_F

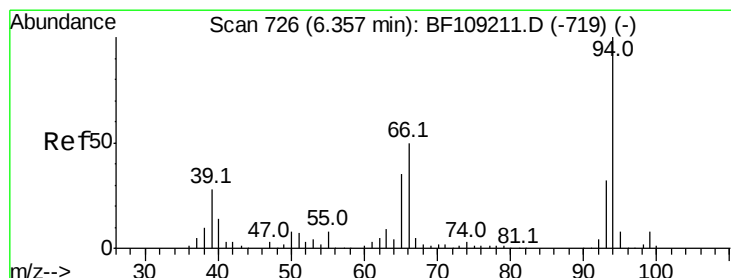
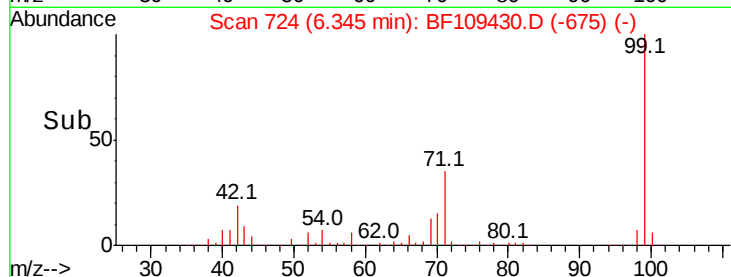
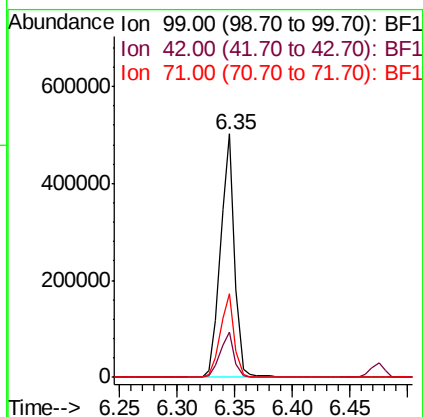
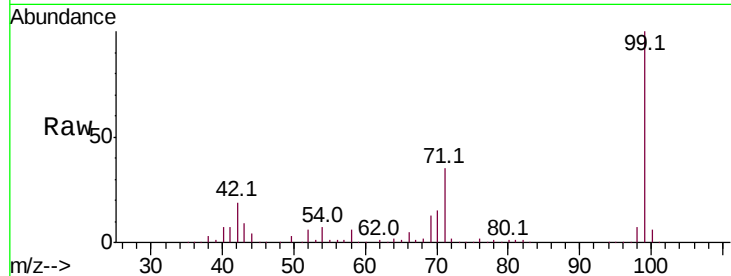
ClientSampleId :

EO-01-092718-A

Tot Ion:	99	Resp:	425311
Ion Ratio	Lower	Upper	
99	100		
42	18.8	14.5	21.7
71	34.5	25.4	38.0

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#10

Phenol

Concen: 2.058 ng

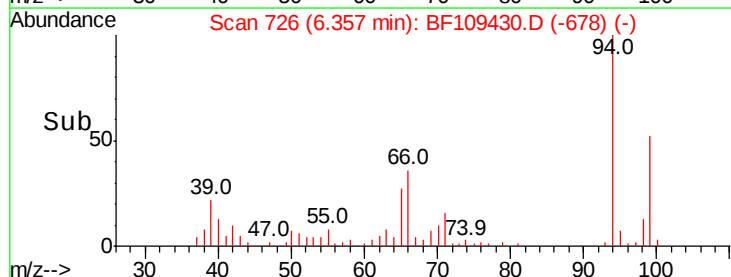
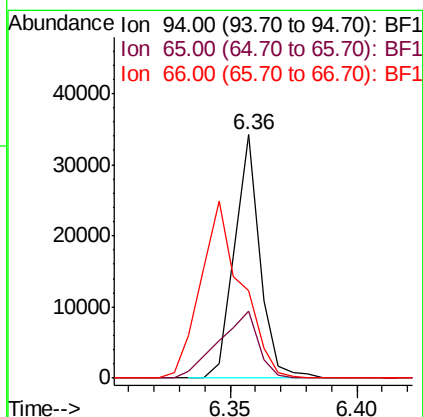
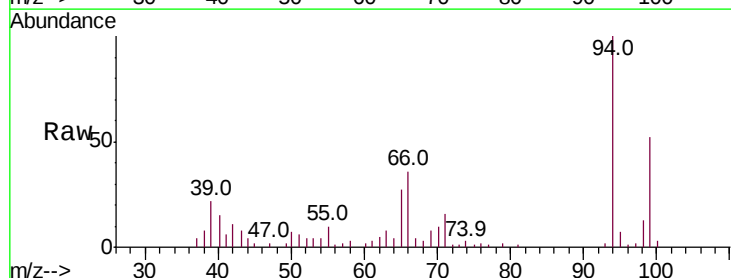
RT: 6.36 min Scan# 726

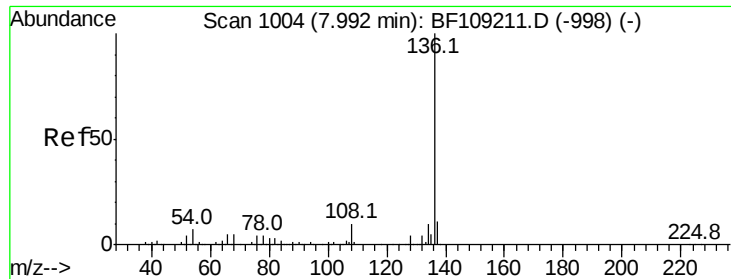
Delta R.T. -0.02 min

Lab File: BF109430.D

Acq: 28 Sep 2018 15:27

Tgt Ion:	94	Resp:	23681
Ion Ratio	Lower	Upper	
94	100		
65	27.3	7.9	47.9
66	35.8	16.2	56.2





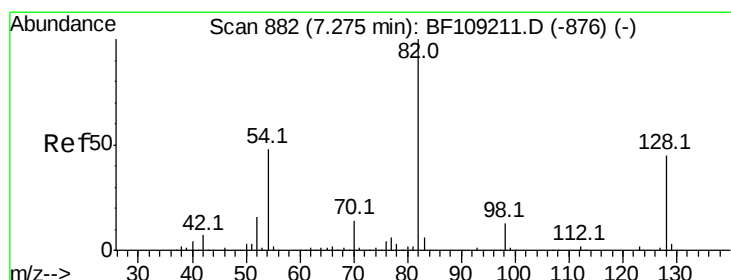
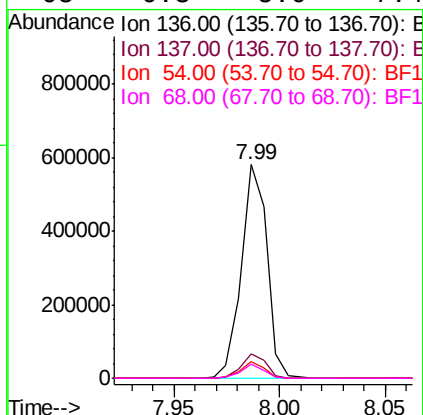
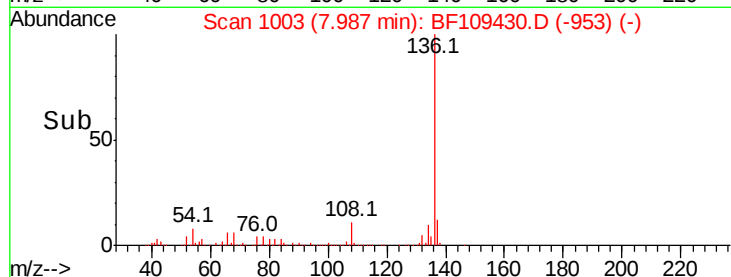
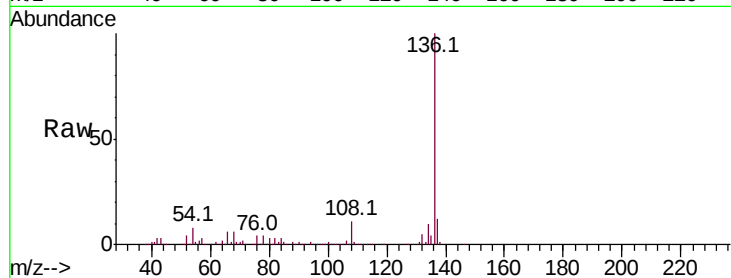
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Instrument :
BNA_F
ClientSampleId :
EO-01-092718-A

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.5	8.9	13.3	
54	7.8	6.6	9.8	
68	6.3	5.0	7.4	

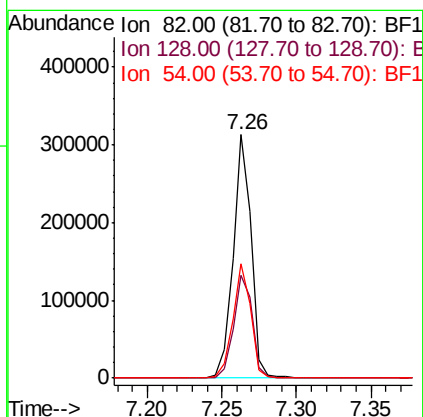
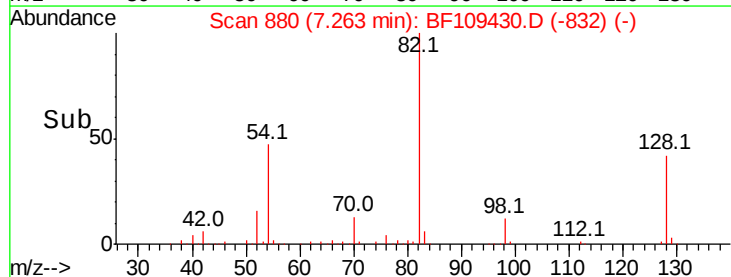
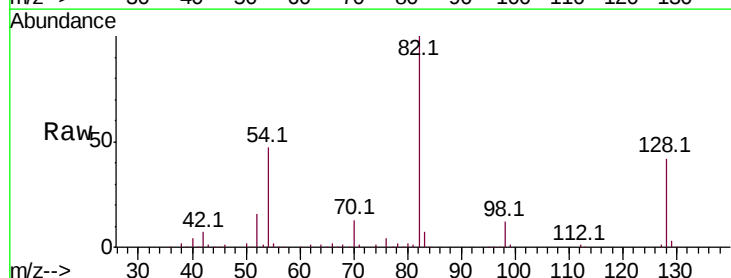
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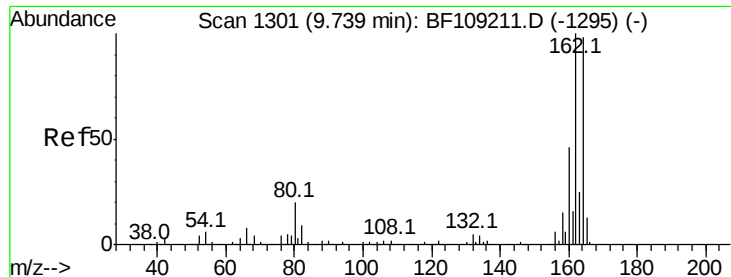
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#23
Nitrobenzene-d5
Concen: 32.463 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.1	36.1	54.1	
54	47.1	41.4	62.2	





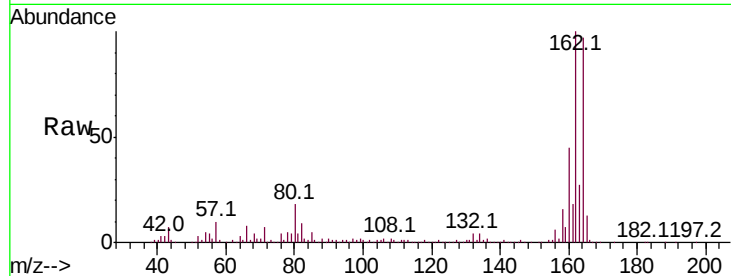
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BF109430.D
 Acq: 28 Sep 2018 15:27

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-092718-A

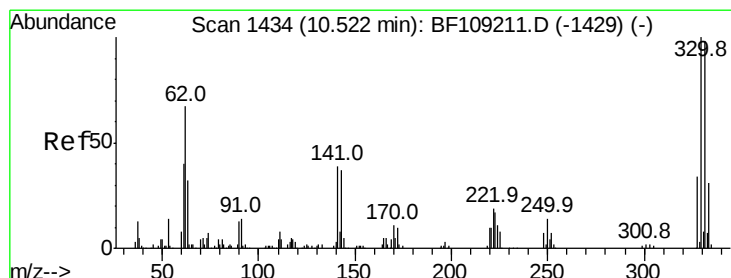
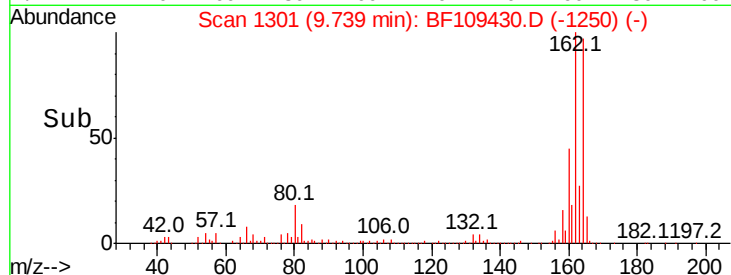
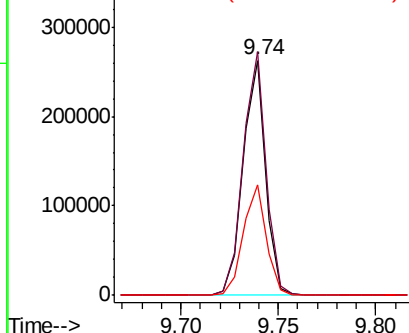
Tot Ion	Ratio	Resp	Lower	Upper
164	100	209227		
162	103.6		86.1	129.1
160	46.9		38.3	57.5

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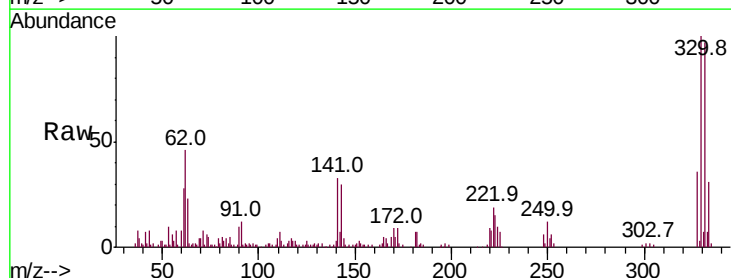


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

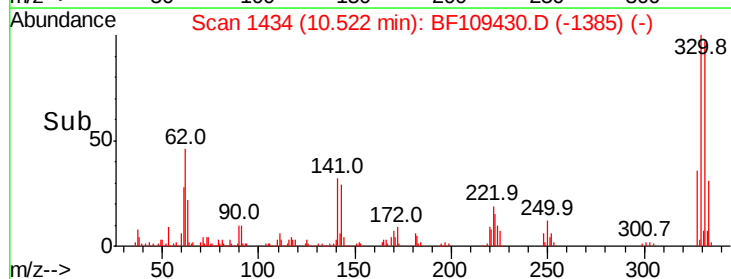
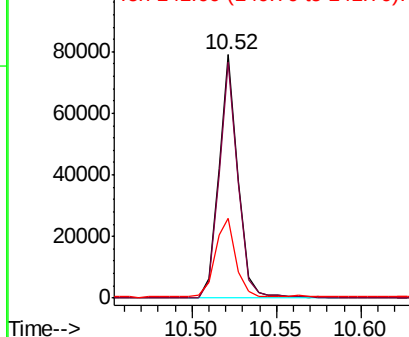


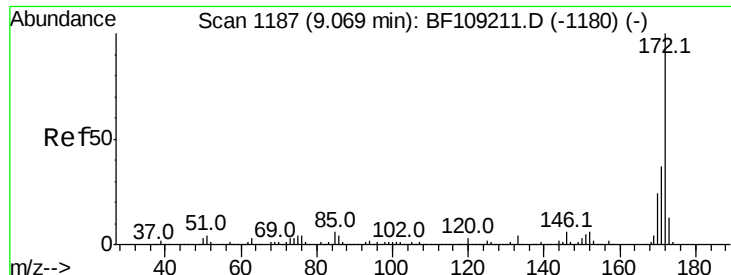
#41
 2,4,6-Tribromophenol
 Concen: 30.462 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109430.D
 Acq: 28 Sep 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	62829		
332	95.9		77.0	115.6
141	34.2		29.9	44.9



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





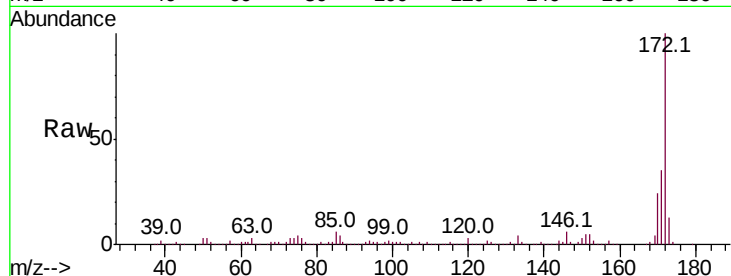
#44
2-Fluorobiphenyl
Concen: 34.051 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Instrument :
BNA_F
ClientSampleId :
EO-01-092718-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	23.6	19.6	29.4

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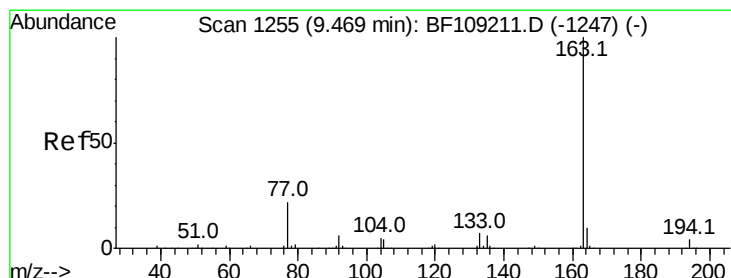
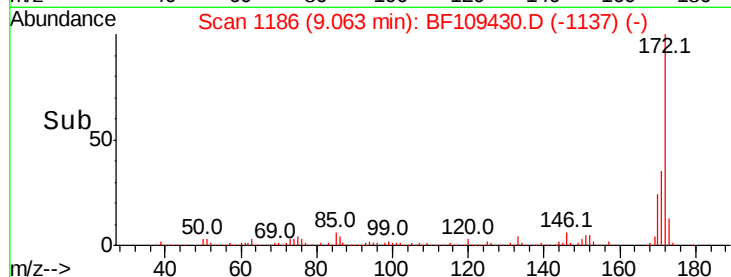
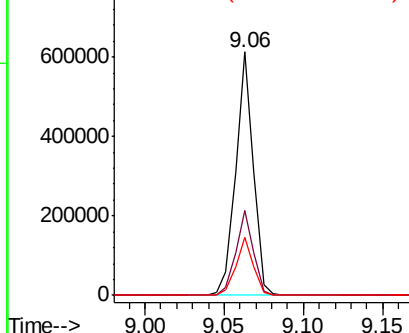


Abundance

Ion 172.00 (171.70 to 172.70): E

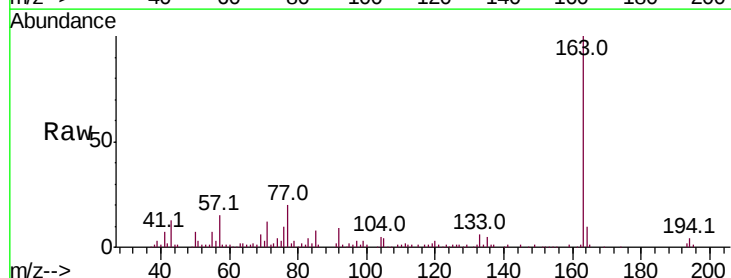
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Dimethylphthalate
Concen: 5.150 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	9.8	8.2	12.2

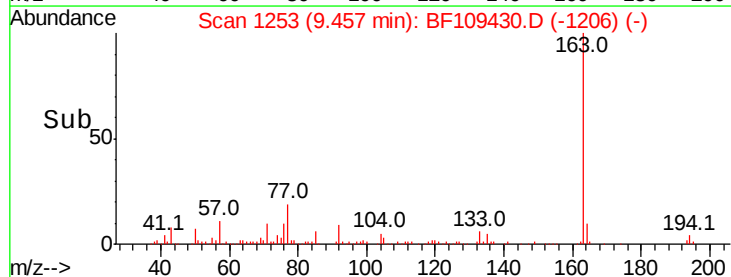
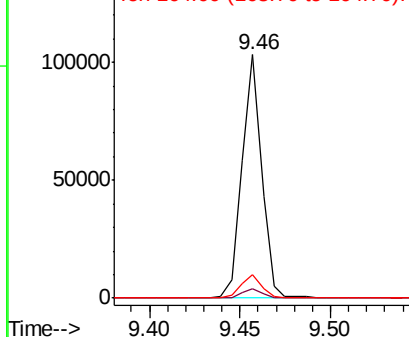


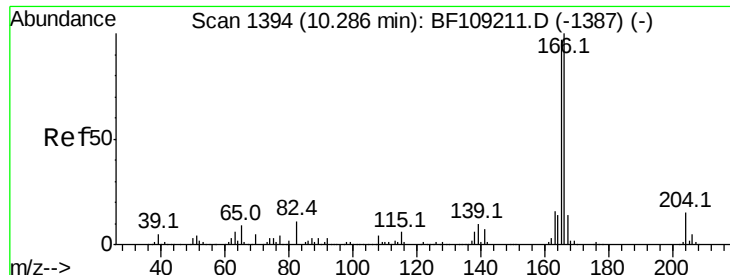
Abundance

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





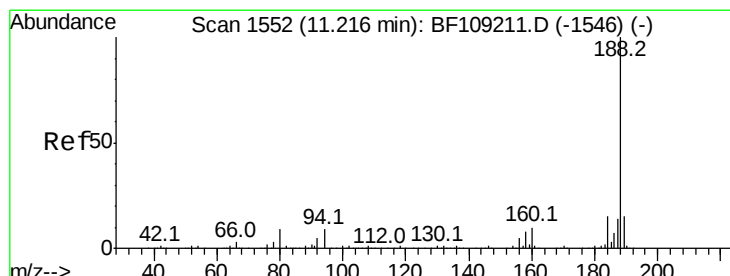
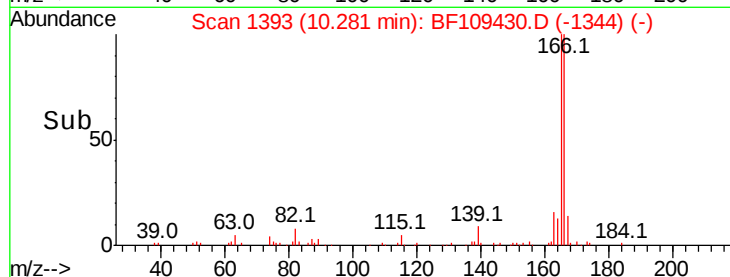
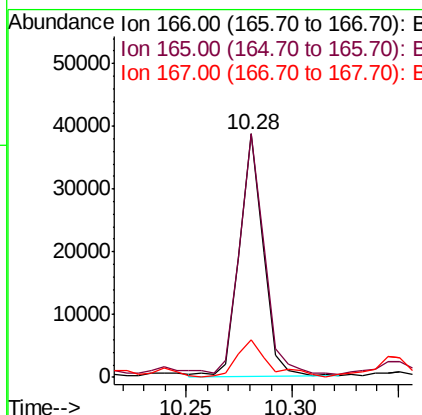
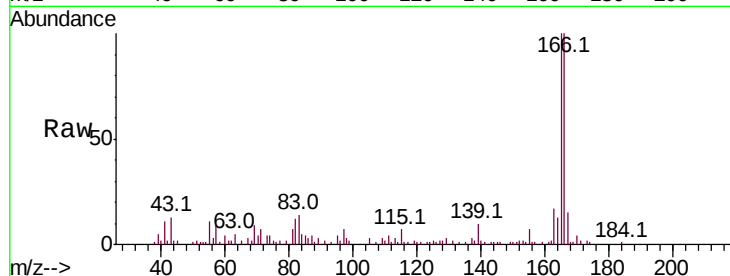
#57
Fluorene
 Concen: 2.264 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF109430.D
 Acq: 28 Sep 2018 15:27

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-092718-A

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.8	119.8
167	15.4	10.6	16.0

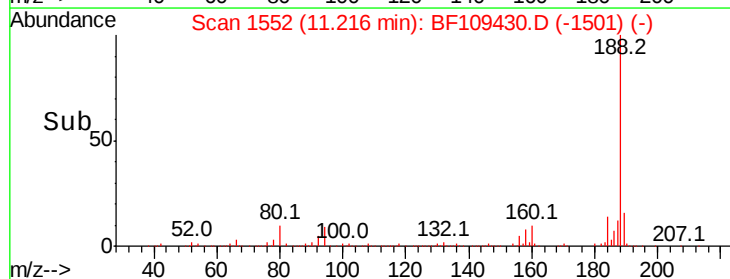
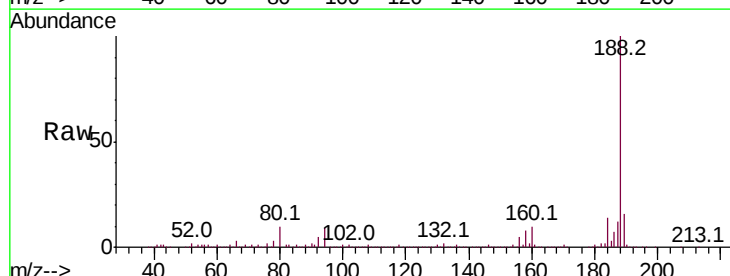
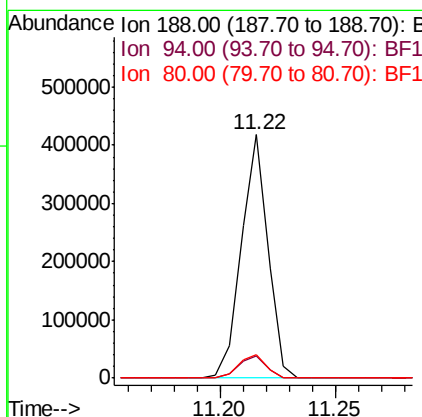
Manual Integrations
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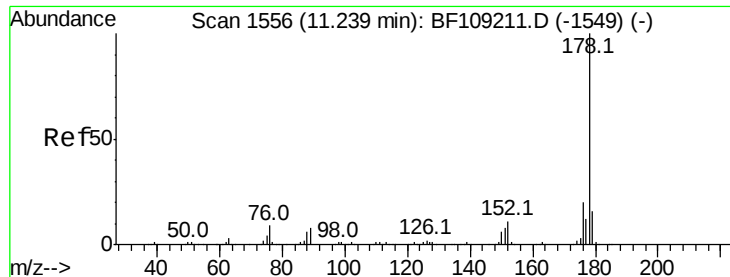
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109430.D
 Acq: 28 Sep 2018 15:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	9.8	9.2	13.8





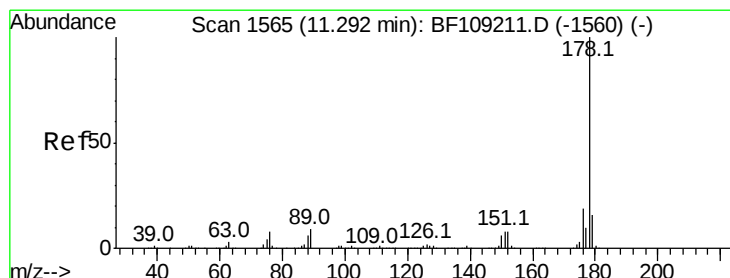
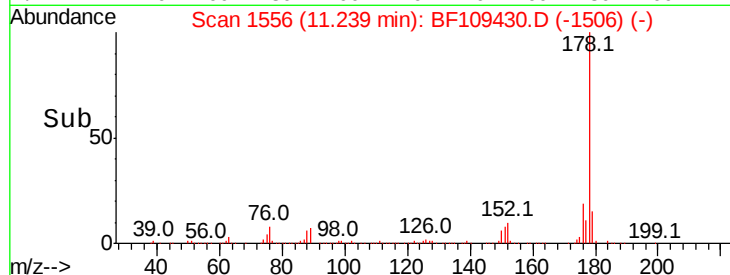
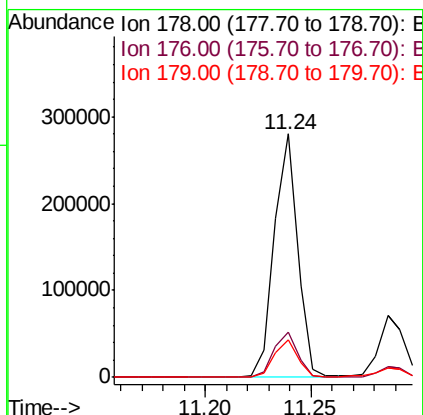
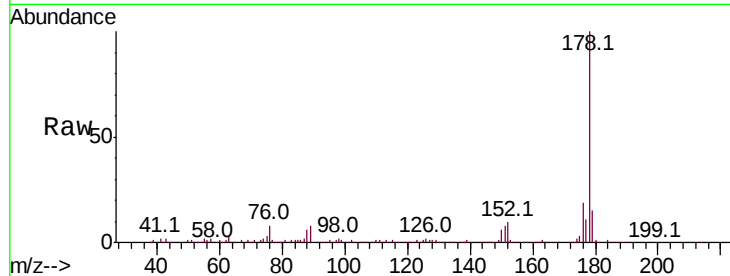
#70
Phenanthrene
Concen: 12.924 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Instrument :
BNA_F
ClientSampleId :
EO-01-092718-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.2	13.0	19.6

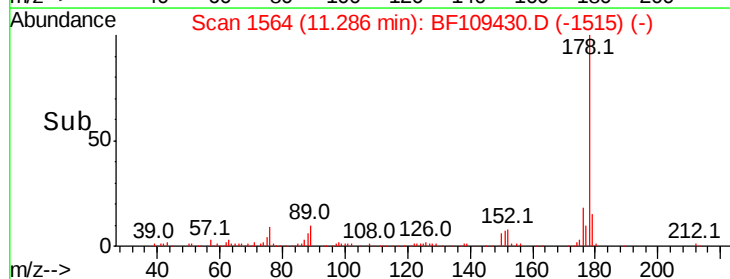
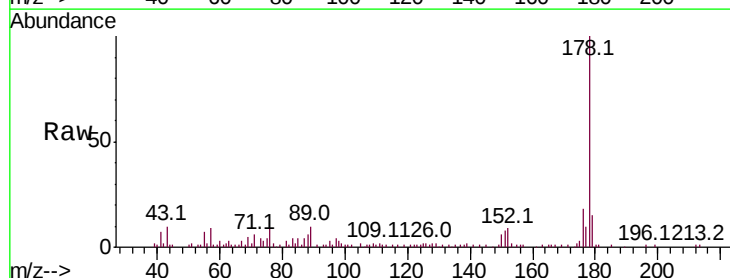
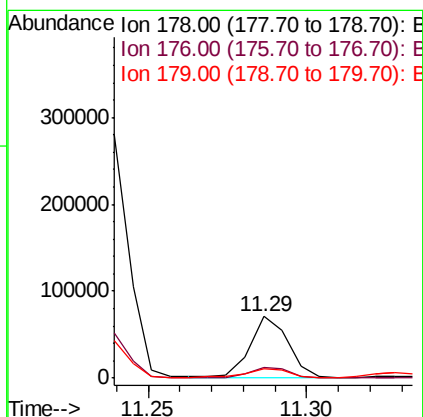
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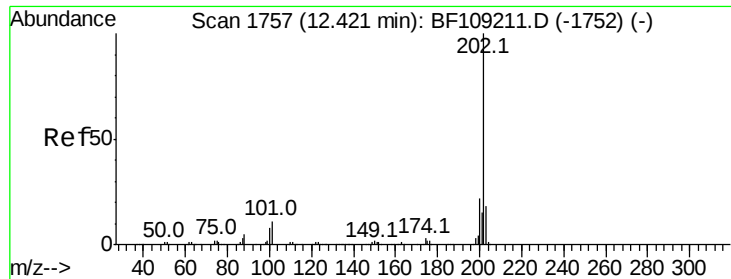
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#71
Anthracene
Concen: 3.426 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.3	12.6	19.0





#74

Fluoranthene

Concen: 11.557 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109430.D

Acq: 28 Sep 2018 15:27

Instrument :

BNA_F

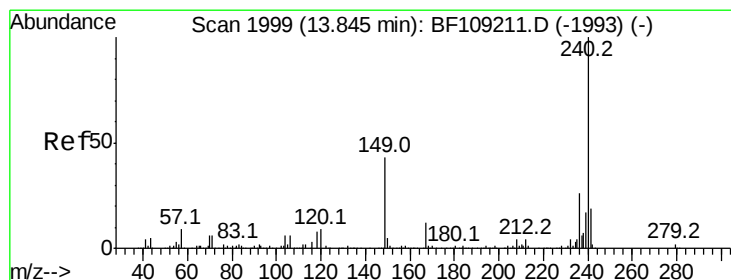
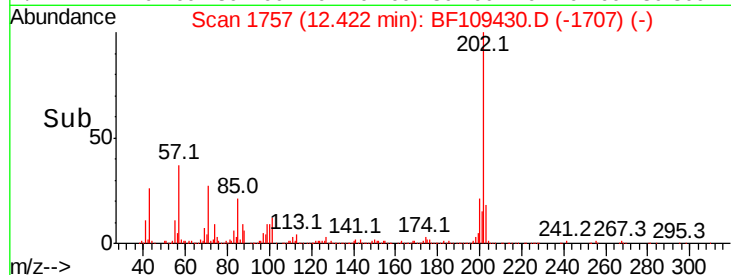
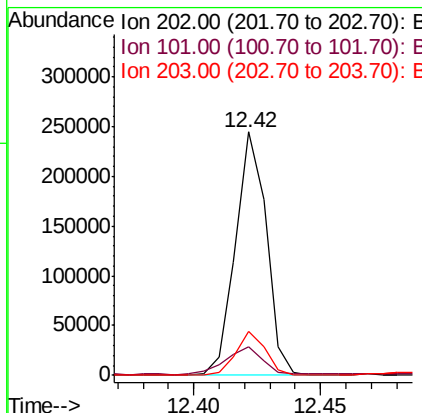
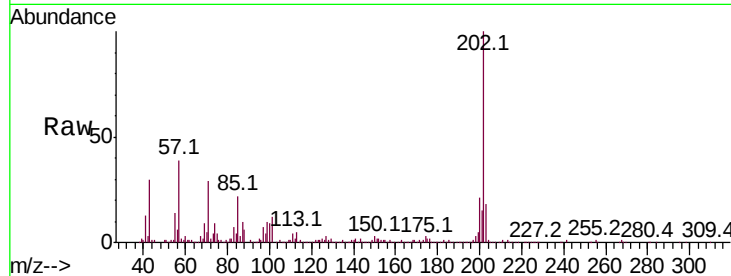
ClientSampleId :

EO-01-092718-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

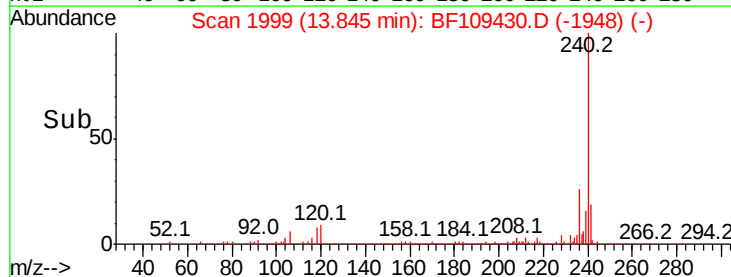
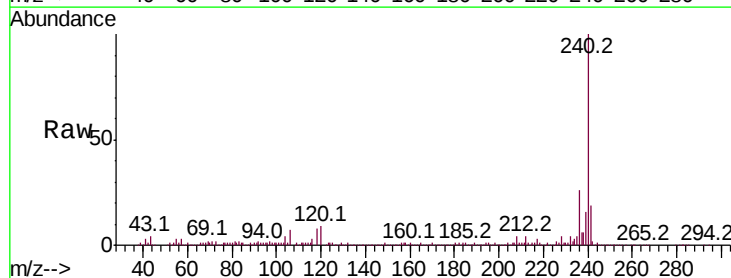
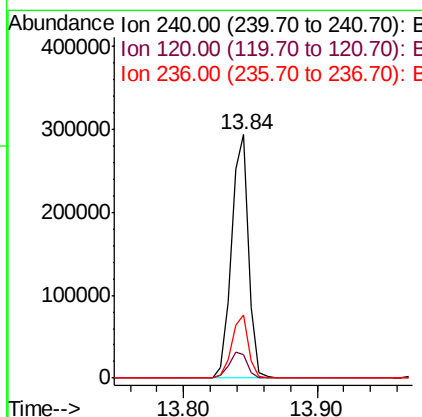
RT: 13.84 min Scan# 1999

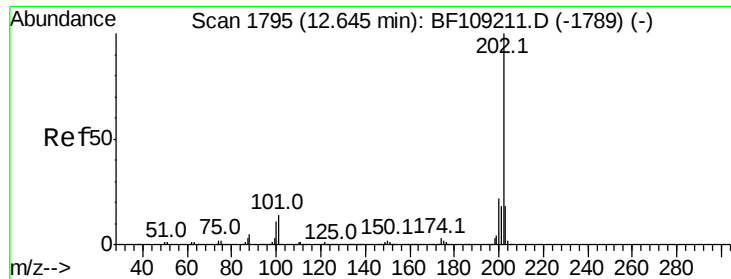
Delta R.T. 0.00 min

Lab File: BF109430.D

Acq: 28 Sep 2018 15:27

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.5	9.5	14.3#
236	26.1	20.7	31.1





#77

Pvrene

Concen: 10.214 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF109430.D

Acq: 28 Sep 2018 15:27

Instrument :

BNA_F

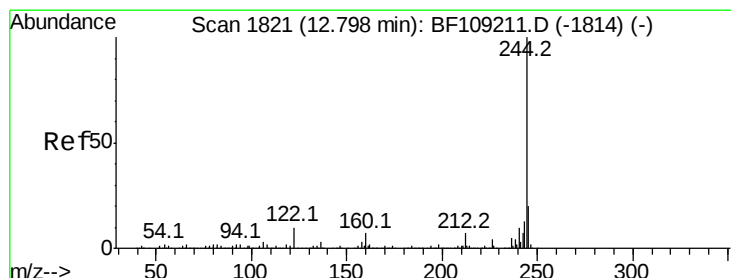
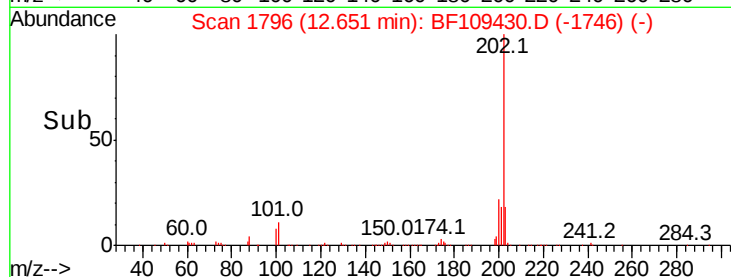
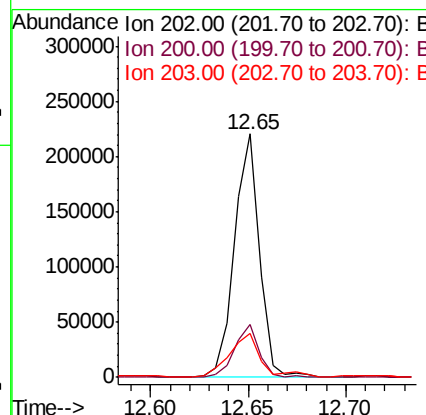
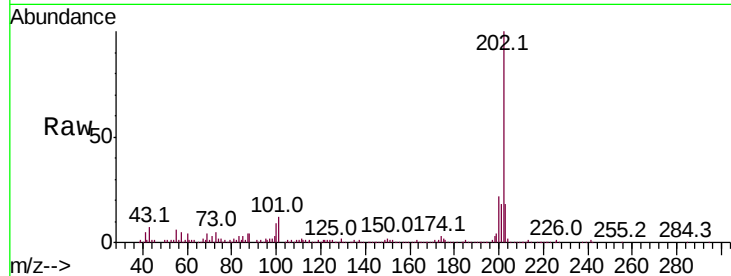
ClientSampleId :

EO-01-092718-A

Tot Ion:	202	Resp:	193973
Ion Ratio		Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.3	14.3	21.5

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#78

Terphenyl-d14

Concen: 29.141 ng

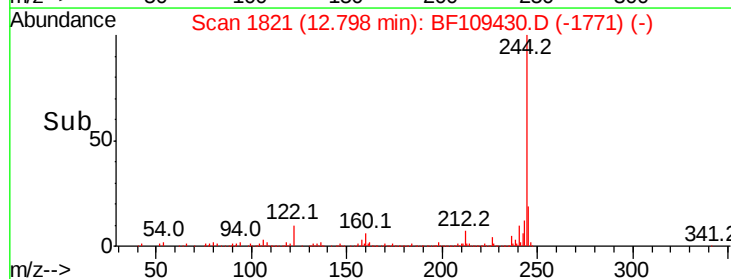
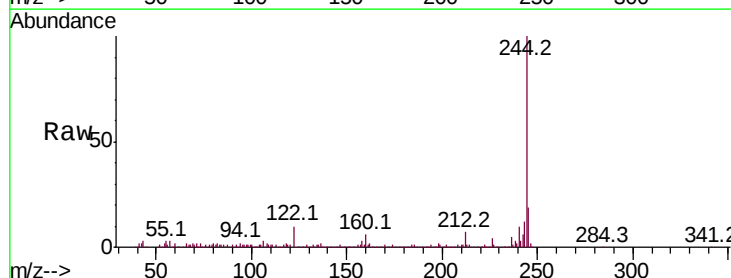
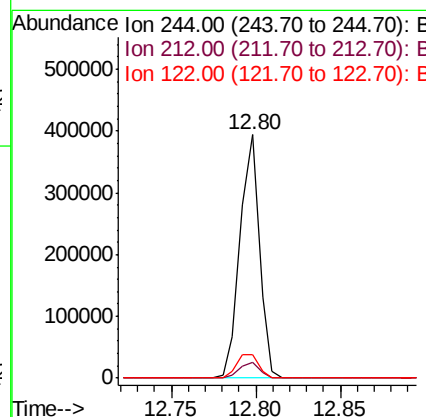
RT: 12.80 min Scan# 1821

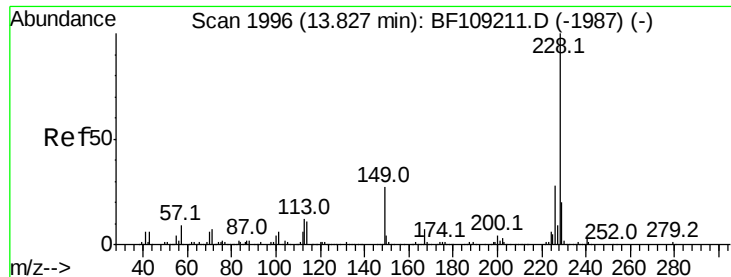
Delta R.T. -0.01 min

Lab File: BF109430.D

Acq: 28 Sep 2018 15:27

Tgt Ion:	244	Resp:	314660
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.8	11.0	16.4#





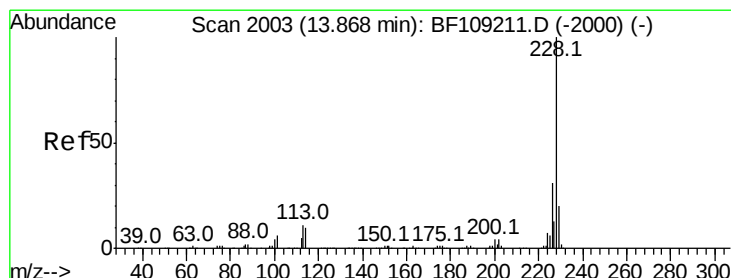
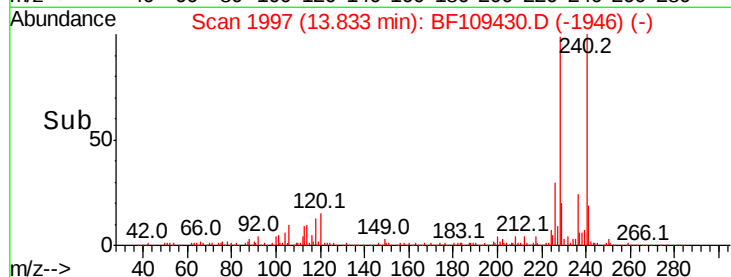
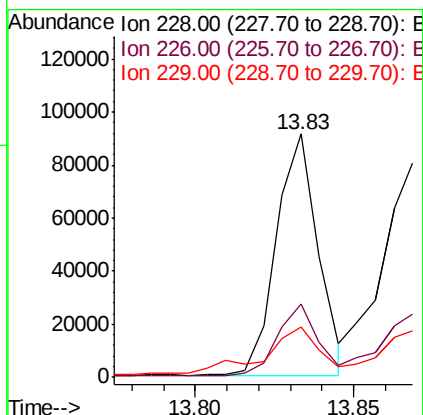
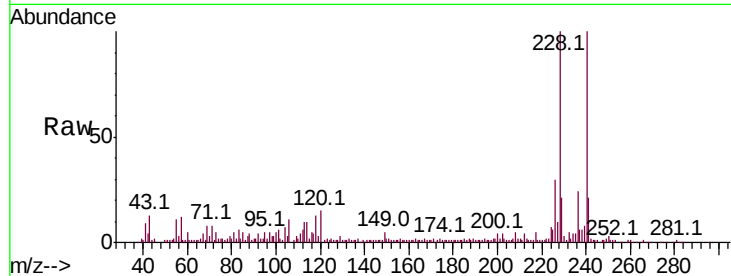
#80
Benzo(a)anthracene
Concen: 5.239 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Instrument :
BNA_F
ClientSampleId :
EO-01-092718-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.8	15.8	23.6

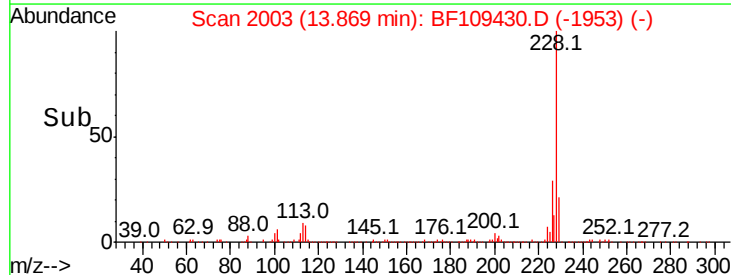
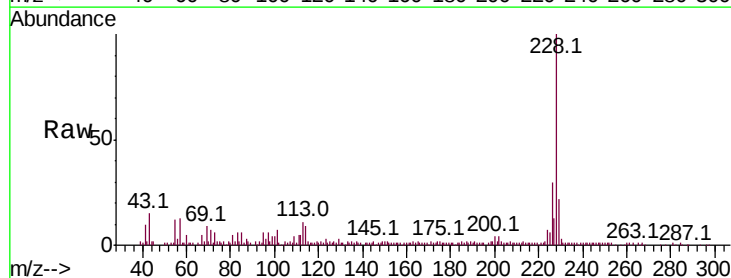
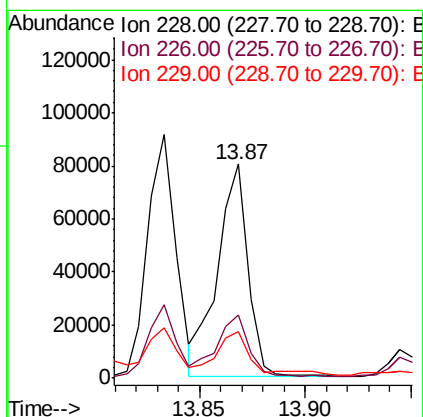
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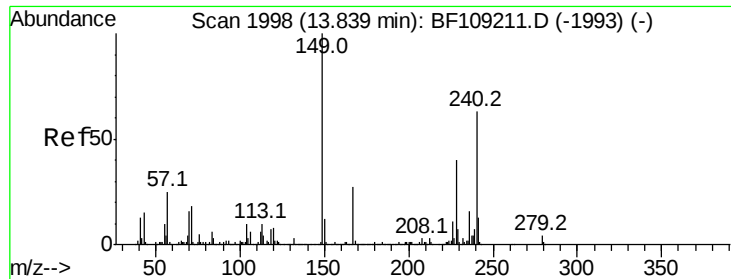
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#82
Chrysene
Concen: 5.048 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	21.8	16.2	24.4





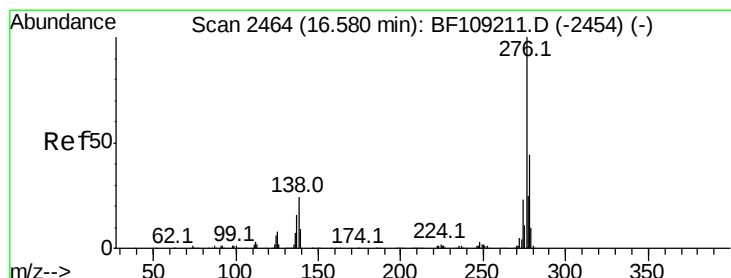
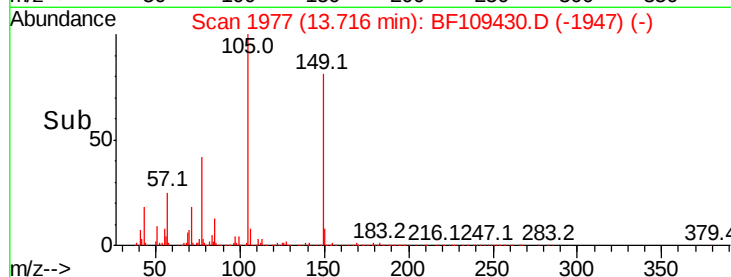
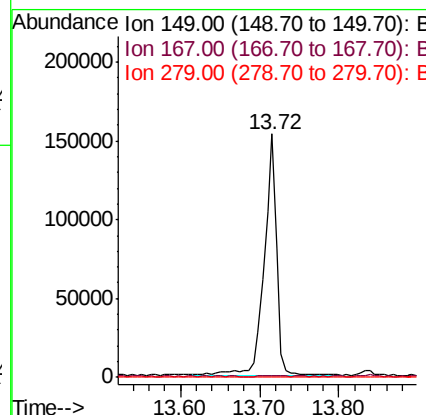
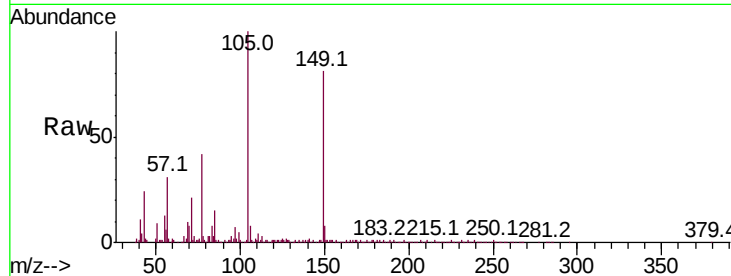
#83
Bis(2-ethylhexyl)phthalate
Concen: 16.400 ng
RT: 13.72 min Scan# 1977
Delta R.T. -0.12 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Instrument :
BNA_F
ClientSampleId :
EO-01-092718-A

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	0.6	21.3	31.9#
279	0.0	3.0	4.4#

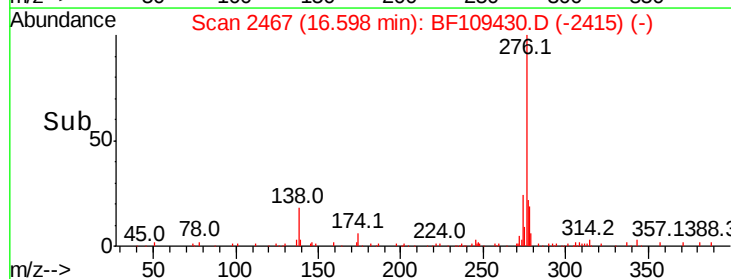
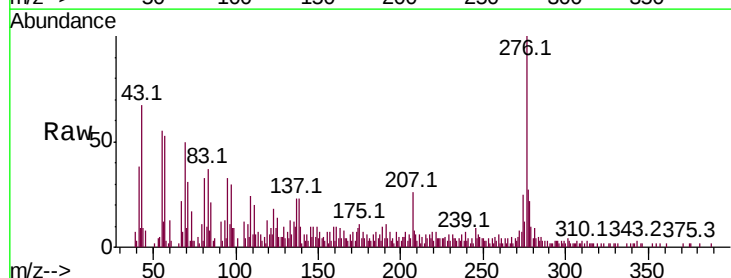
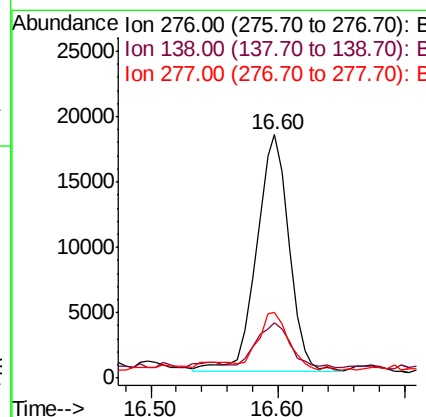
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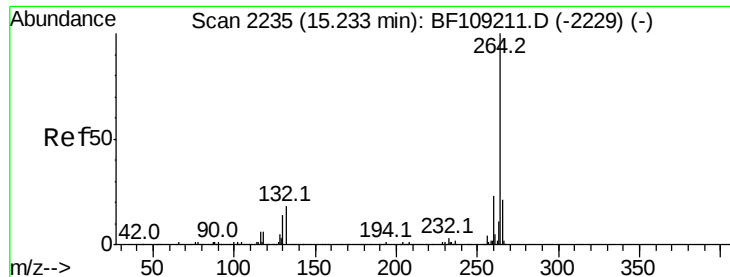
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.516 ng
RT: 16.60 min Scan# 2467
Delta R.T. 0.01 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	20.8	25.0	37.6#
277	22.9	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF109430.D

Acq: 28 Sep 2018 15:27

Instrument :

BNA_F

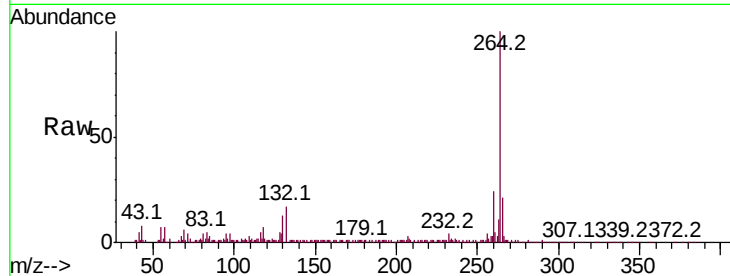
ClientSampleId :

EO-01-092718-A

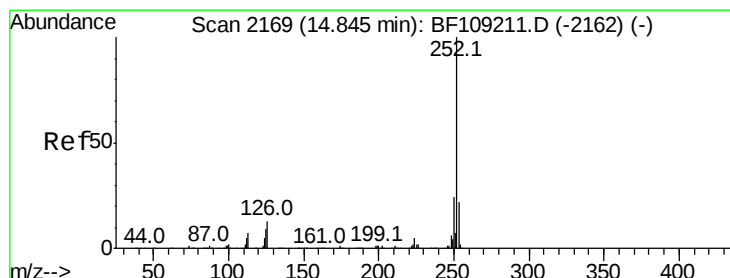
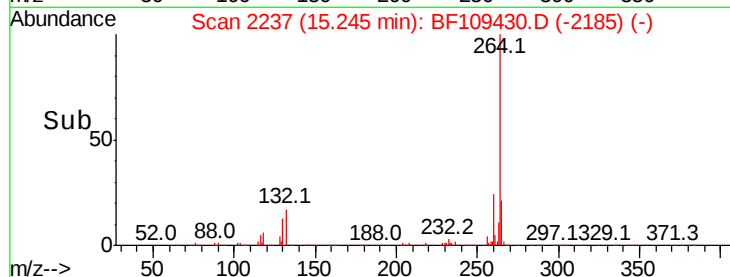
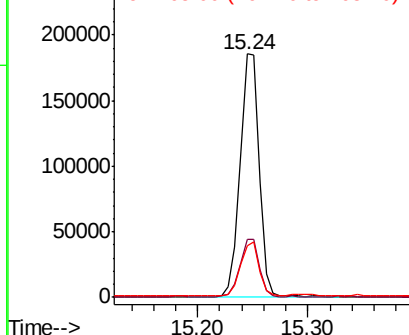
Tot Ion:	264	Resp:	226263
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	21.4	17.5	26.3

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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



#87

Benzo(b)fluoranthene

Concen: 7.303 ng m

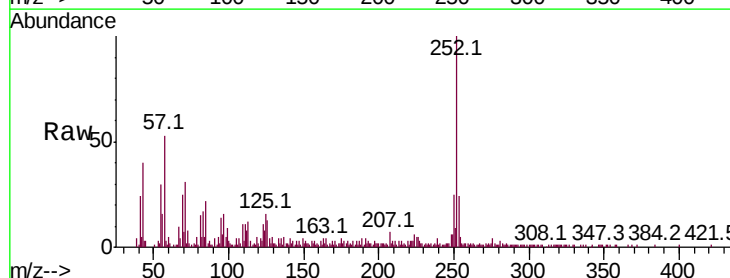
RT: 14.85 min Scan# 2170

Delta R.T. 0.00 min

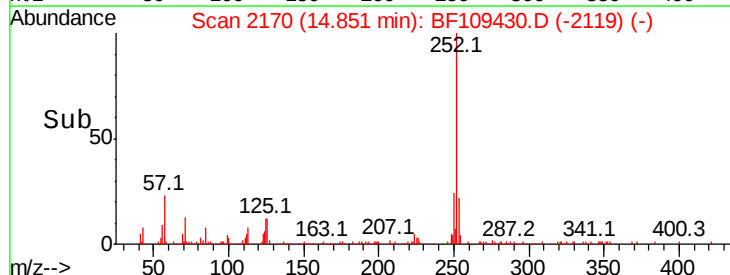
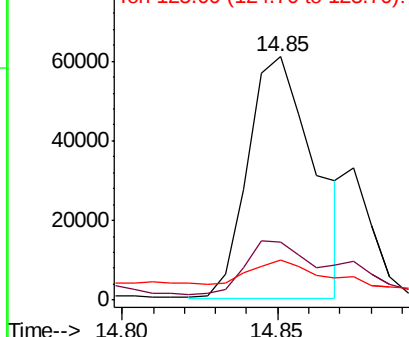
Lab File: BF109430.D

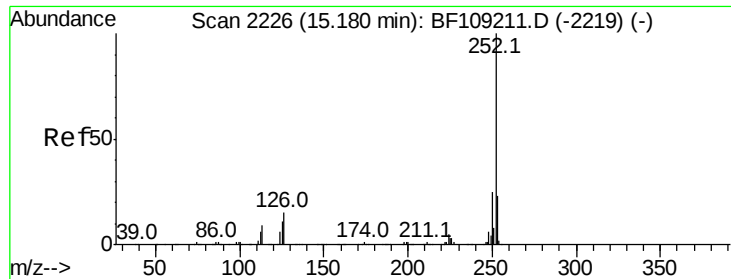
Acq: 28 Sep 2018 15:27

Tgt Ion:	252	Resp:	90793
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.0	25.6
125	16.4	9.0	13.6#



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





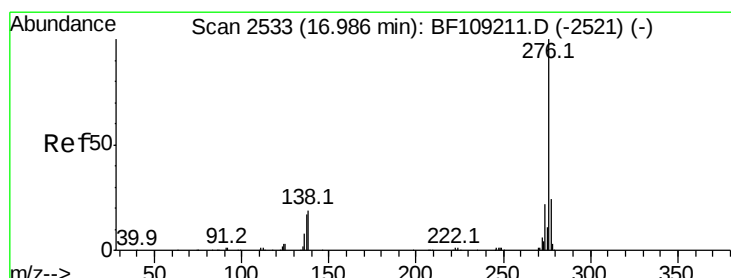
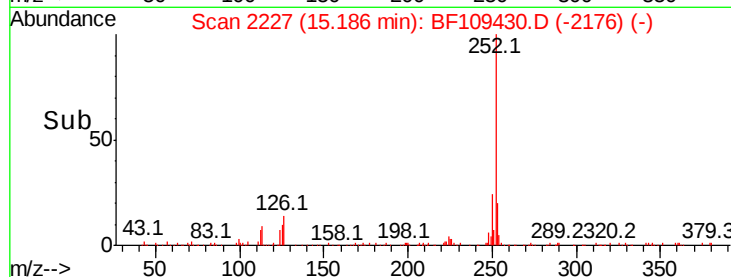
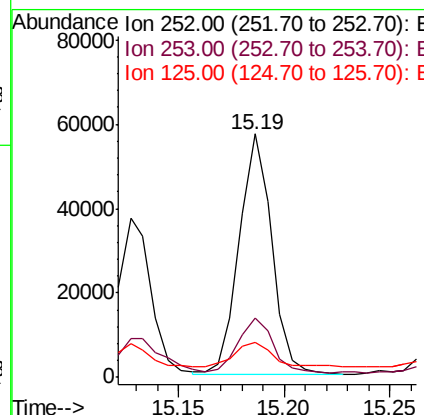
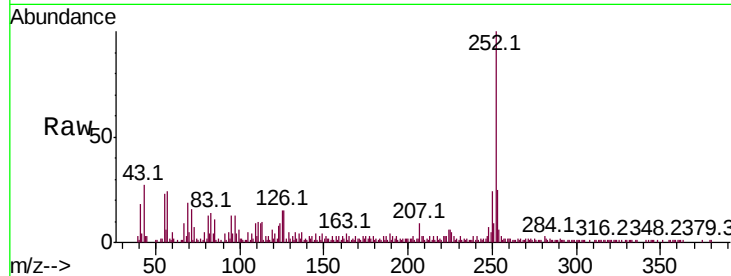
#89
Benzo(a)pyrene
Concen: 5.383 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Instrument :
BNA_F
ClientSampleId :
EO-01-092718-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	14.5	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 3.386 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.01 min
Lab File: BF109430.D
Acq: 28 Sep 2018 15:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	21.3	21.8	32.8#

