

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
 Data File : BF109431.D
 Acq On : 28 Sep 2018 15:54
 Operator : JU/SJ
 Sample : J4776-07 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 10/1/2018 9:57:01 AM

Quant Time: Sep 28 18:47:18 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	6.71	152	126337	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	455279	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	194688	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	290197	20.00	ng	0.00
75) Chrysene-d12	13.84	240	240171	20.00	ng	0.00
86) Perylene-d12	15.25	264	191353	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	294467	38.39	ng	0.00
7) Phenol-d6	6.35	99	375151	38.33	ng	-0.01
23) Nitrobenzene-d5	7.26	82	232218	30.11	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	51630	26.90	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	401070	31.07	ng	-0.01
78) Terphenyl-d14	12.80	244	270183	27.61	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.46	163	58072	4.101	ng	Qvalue # 98
70) Phenanthrene	11.24	178	85222	5.882	ng	98
74) Fluoranthene	12.43	202	101737	6.570	ng	89
77) Pyrene	12.66	202	119491	6.942	ng	99
80) Benzo(a)anthracene	13.83	228	63048	4.358	ng	99
82) Chrysene	13.87	228	50476	3.520	ng	96
87) Benzo(b)fluoranthene	14.85	252	55060m	5.236	ng	
89) Benzo(a)pyrene	15.19	252	36446	3.847	ng	# 90
91) Benzo(g,h,i)perylene	17.00	276	16164	2.116	ng	# 94

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

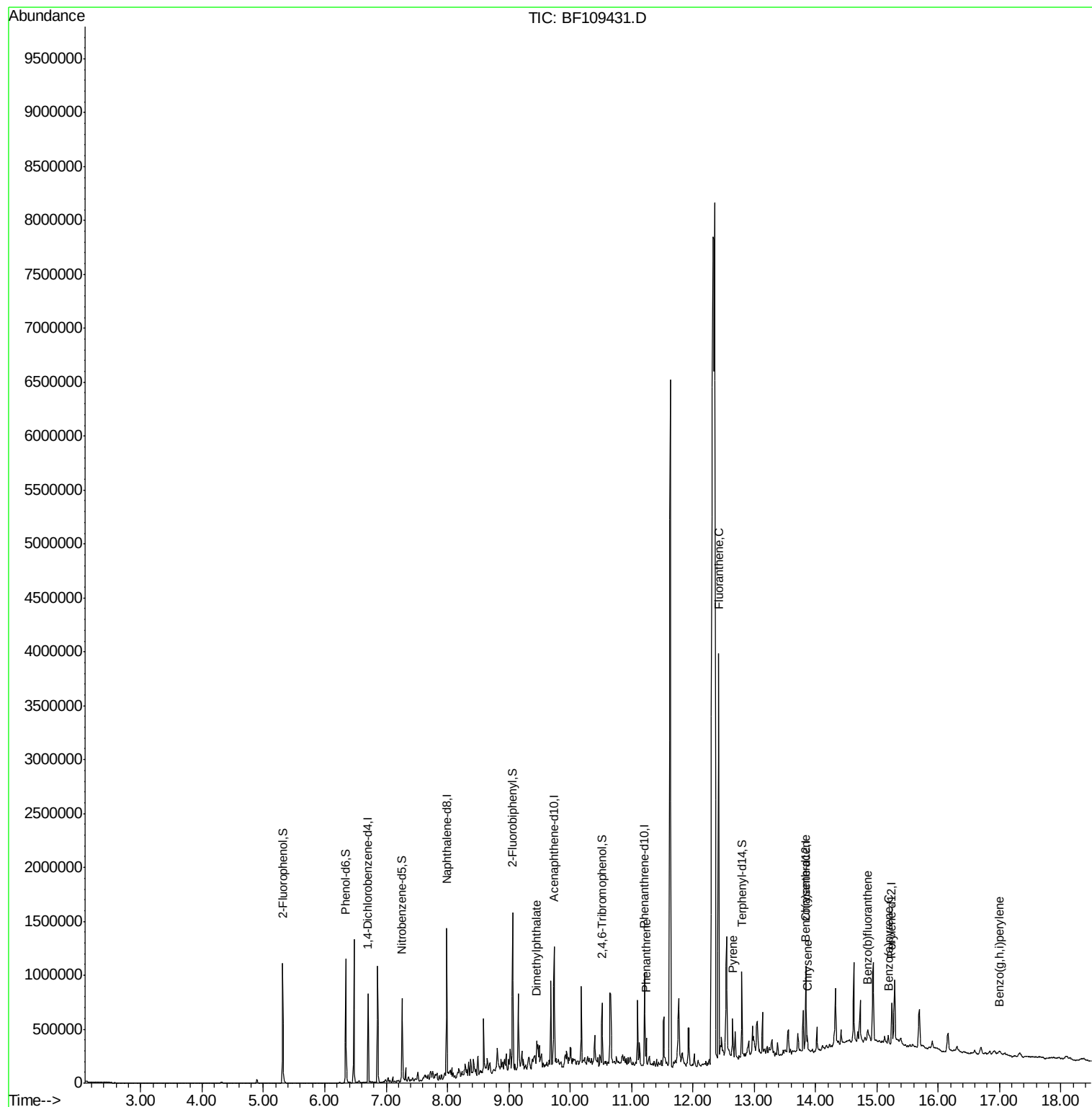
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109431.D
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Operator : JU/SJ
Sample : J4776-07 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

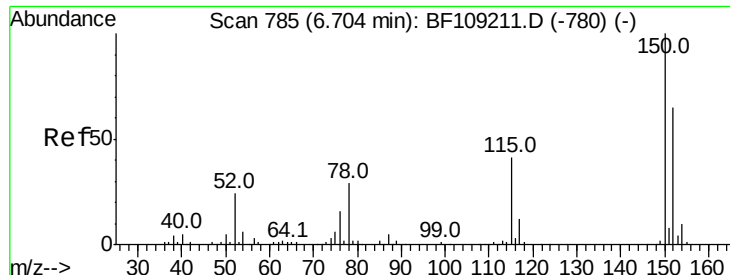
Instrument :
BNA_F
ClientSampleId :
EO-01-092718-B

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#1

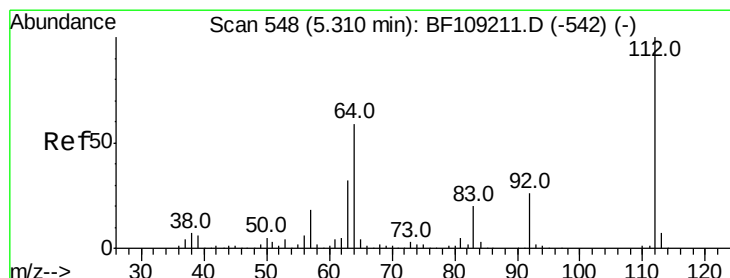
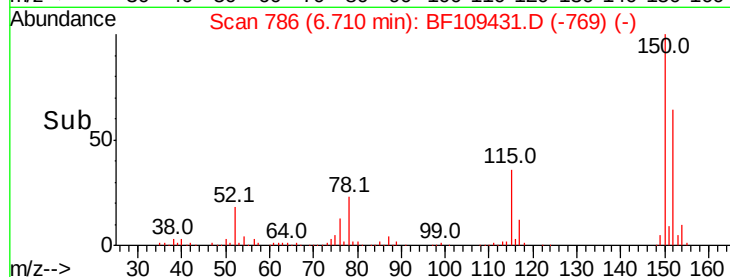
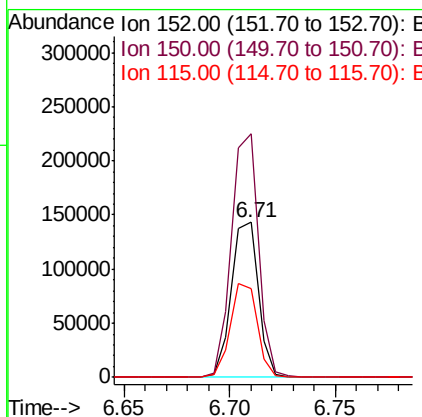
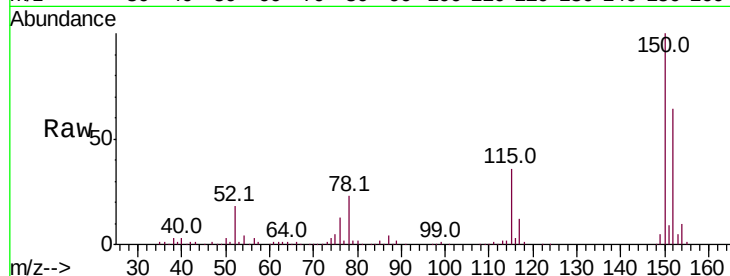
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	57.1	50.1	75.1

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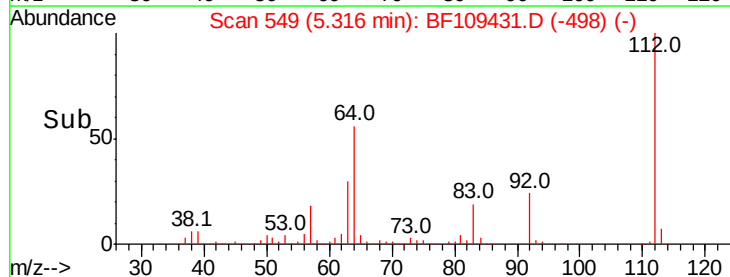
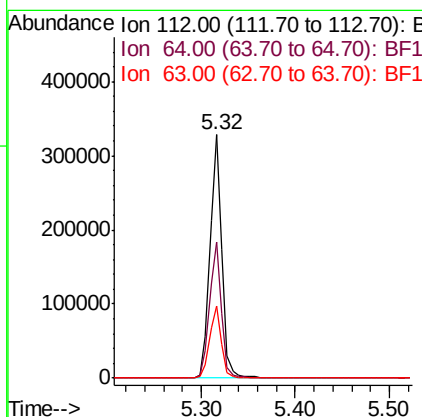
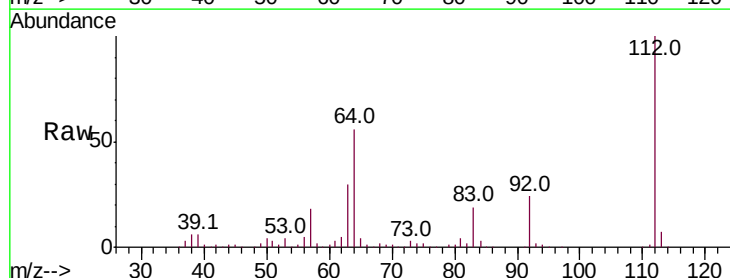
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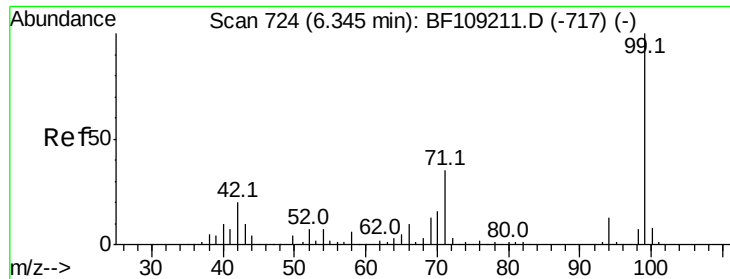


#5

2-Fluorophenol
Concen: 38.390 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.9	71.9
63	29.7	23.7	35.5





#7

Phenol-d6

Concen: 38.329 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

Instrument :

BNA_F

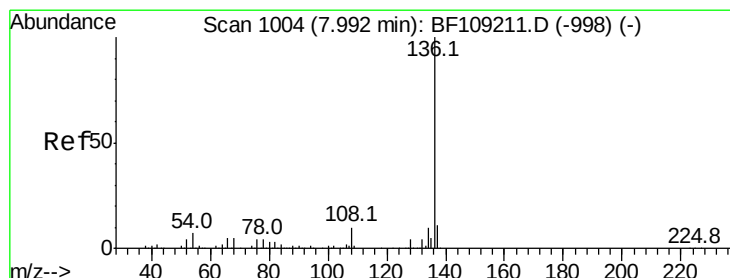
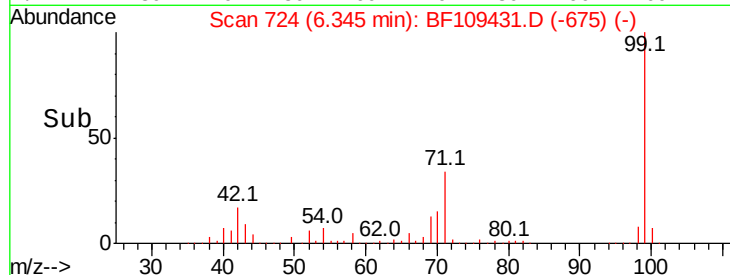
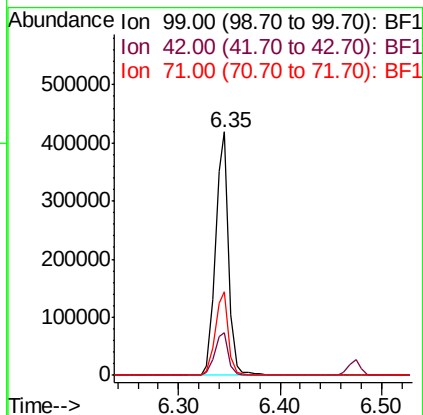
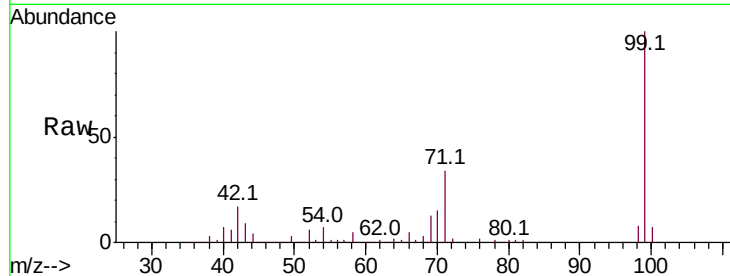
ClientSampleId :

EO-01-092718-B

Tot Ion:	99	Resp:	375151
Ion Ratio	Lower	Upper	
99	100		
42	17.5	14.5	21.7
71	34.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

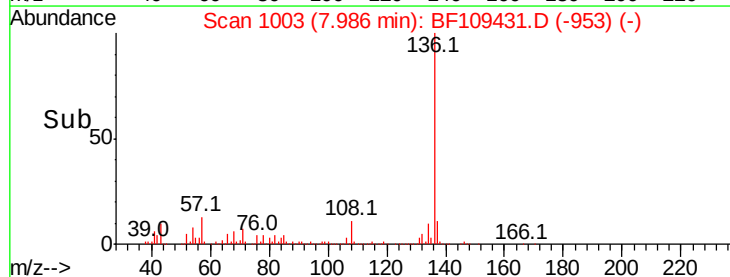
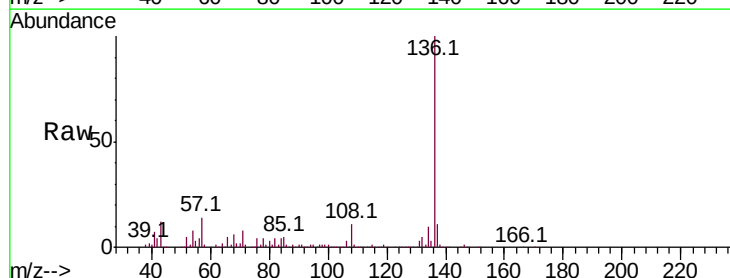
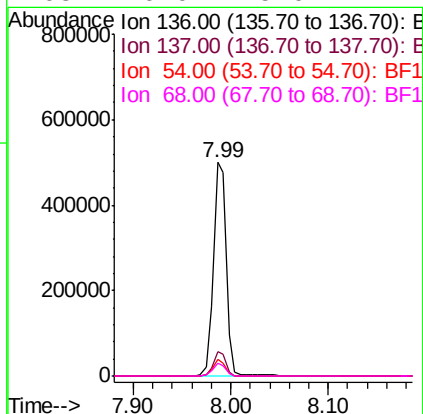
RT: 7.99 min Scan# 1003

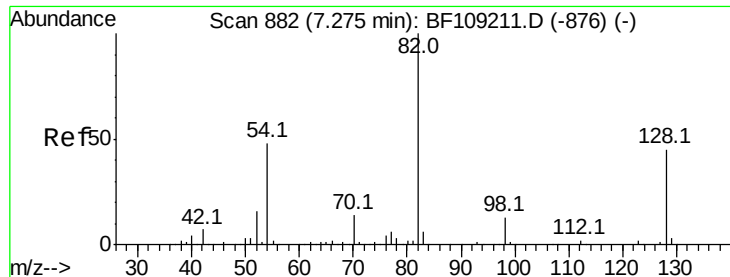
Delta R.T. -0.01 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

Tgt Ion:	136	Resp:	455279
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	8.1	6.6	9.8
68	6.0	5.0	7.4





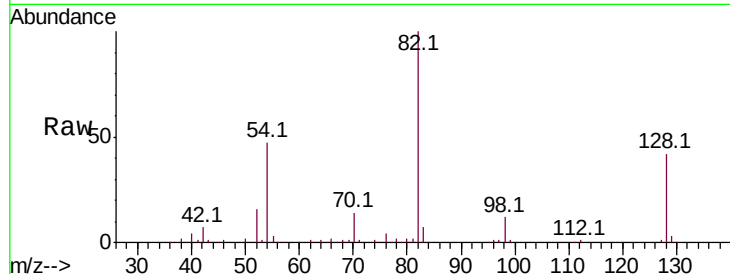
#23
Nitrobenzene-d5
Concen: 30.109 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

Instrument :
BNA_F
ClientSampled :
EO-01-092718-B

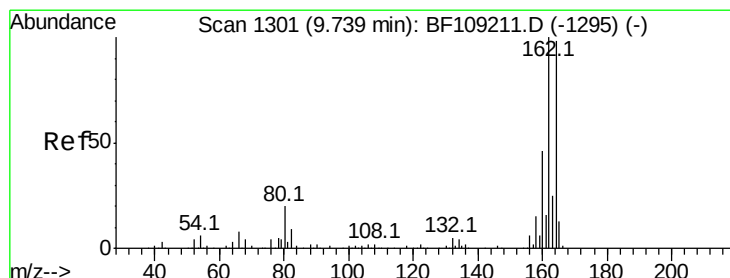
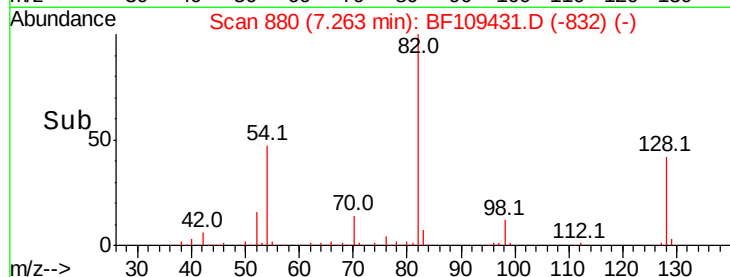
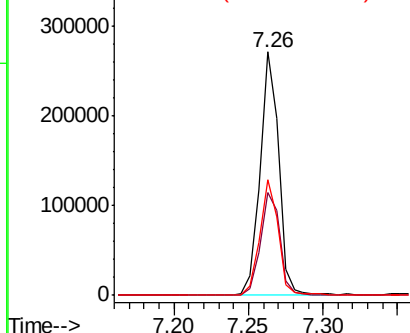
Tot Ion	Ratio	Resp	Lower	Upper
82	100	232218		
128	42.4	36.1	54.1	
54	47.3	41.4	62.2	

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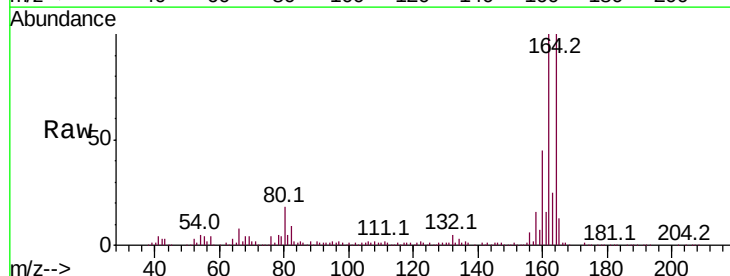


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

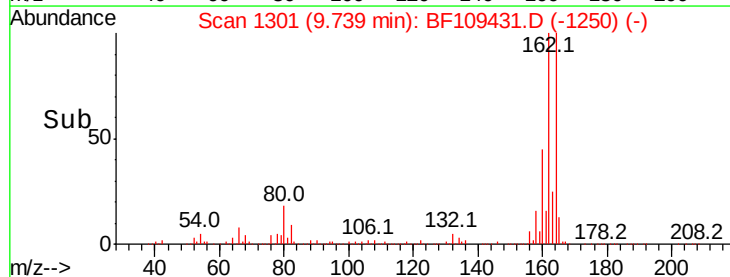
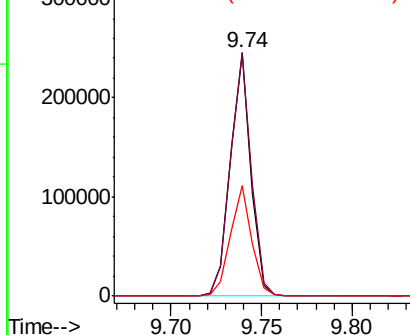


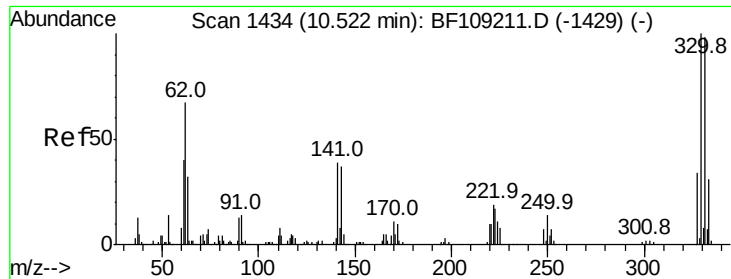
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	194688		
162	99.7	86.1	129.1	
160	45.3	38.3	57.5	



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: 26.902 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

Instrument :

BNA_F

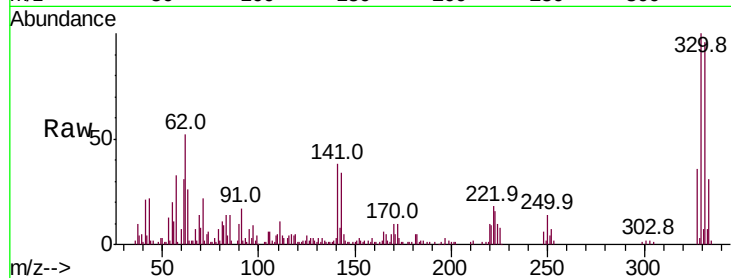
ClientSampleId :

EO-01-092718-B

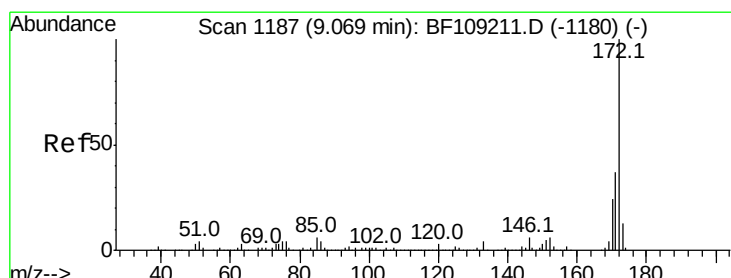
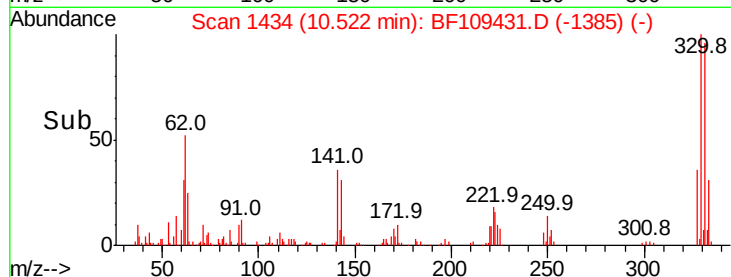
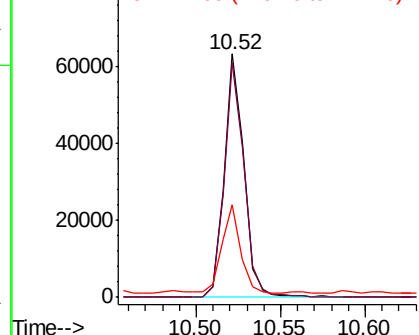
Tot Ion:	330	Resp:	51630
Ion Ratio	Lower	Upper	
330	100		
332	97.0	77.0	115.6
141	34.4	29.9	44.9

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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: 31.070 ng

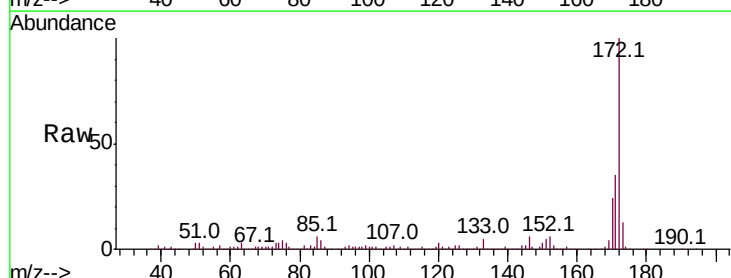
RT: 9.06 min Scan# 1186

Delta R.T. -0.01 min

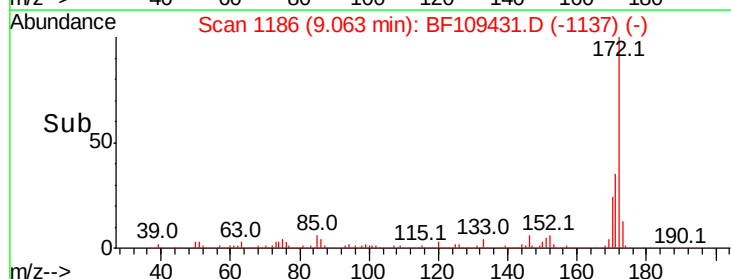
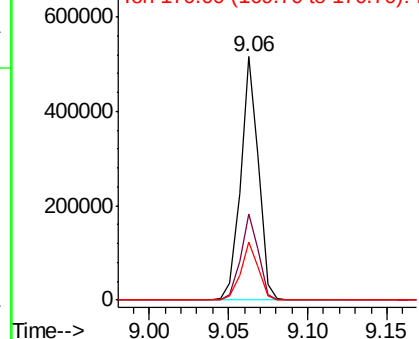
Lab File: BF109431.D

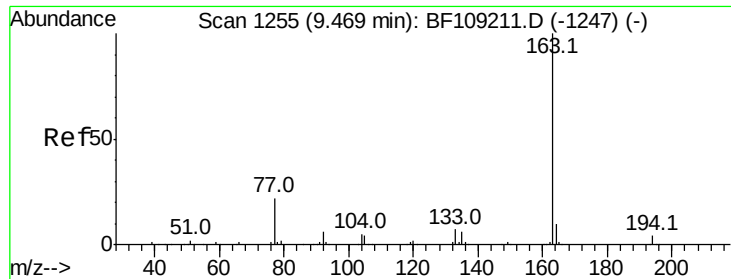
Acq: 28 Sep 2018 15:54

Tgt Ion:	172	Resp:	401070
Ion Ratio	Lower	Upper	
172	100		
171	35.2	29.7	44.5
170	24.0	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





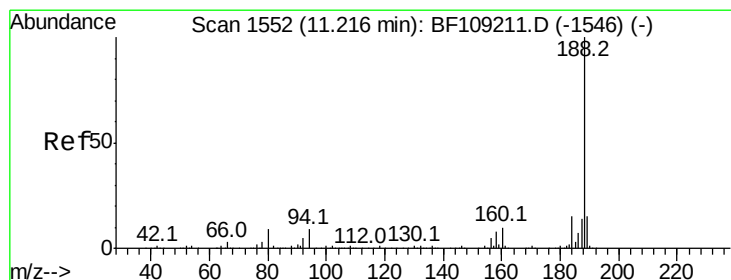
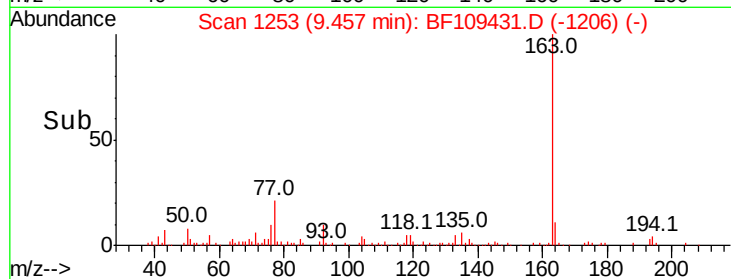
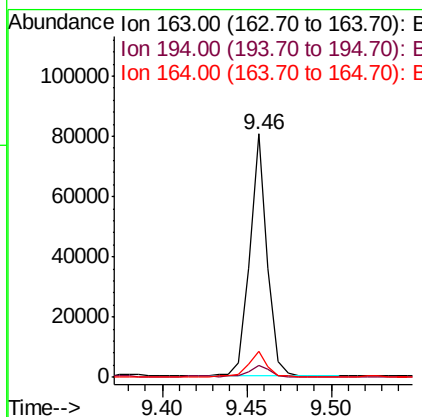
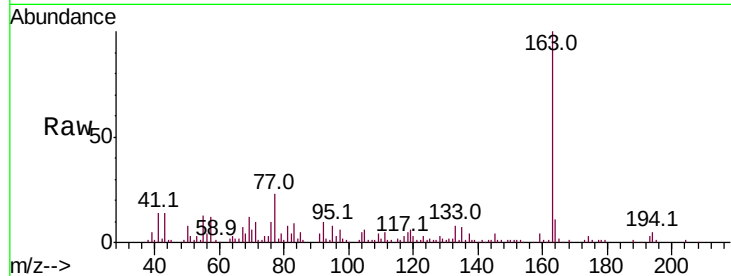
#49
Dimethylphthalate
Concen: 4.101 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

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

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.1	2.7	4.1#
164	10.6	8.2	12.2

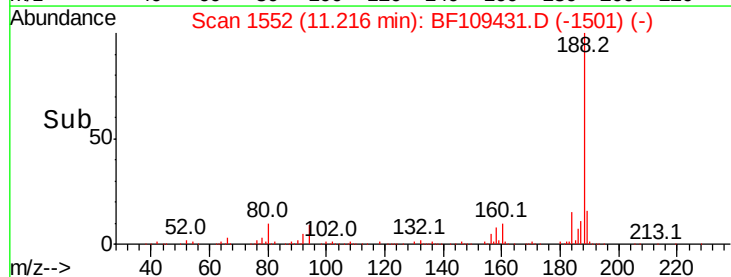
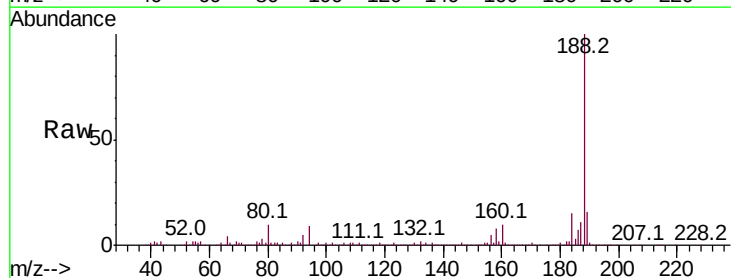
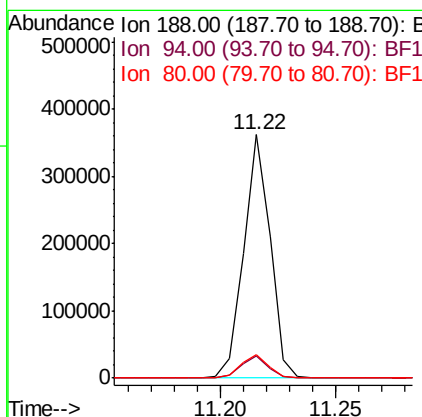
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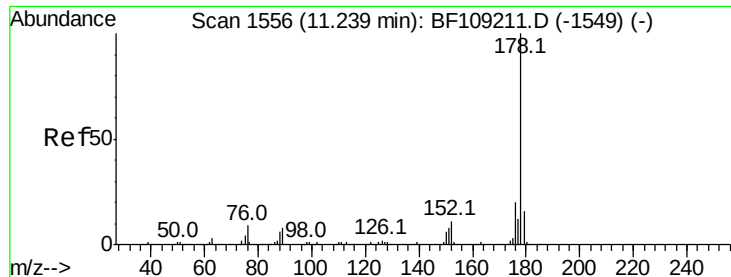
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	9.8	9.2	13.8





#70

Phenanthrene

Concen: 5.882 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

Instrument :

BNA_F

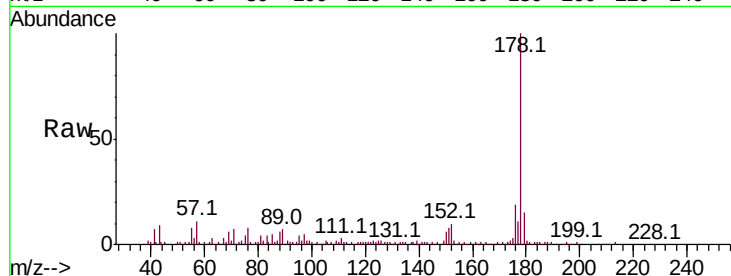
ClientSampleId :

EO-01-092718-B

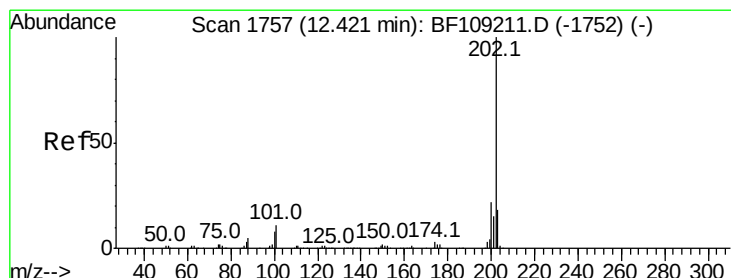
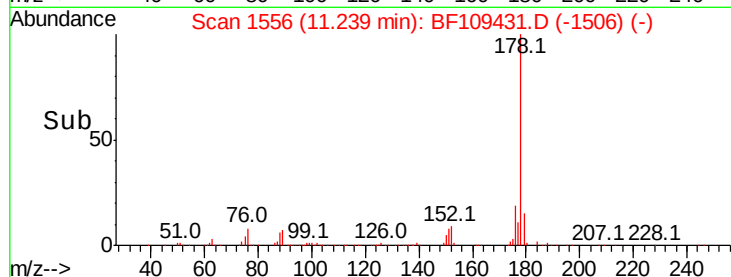
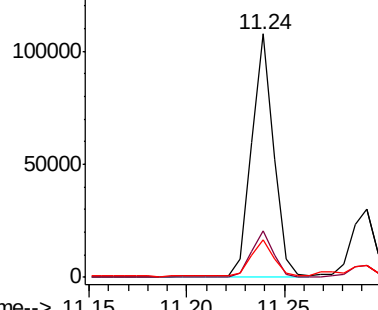
Tot Ion:	178	Resp:	85222
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.8
179	15.4	13.0	19.6

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 6.570 ng

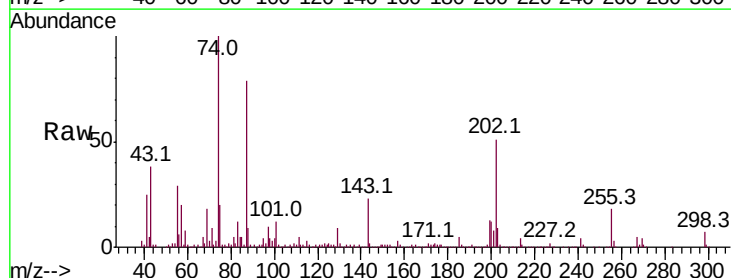
RT: 12.43 min Scan# 1758

Delta R.T. -0.00 min

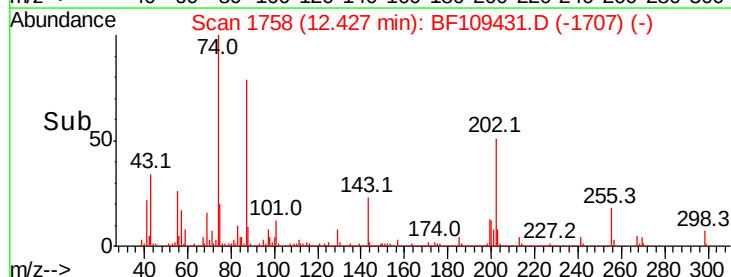
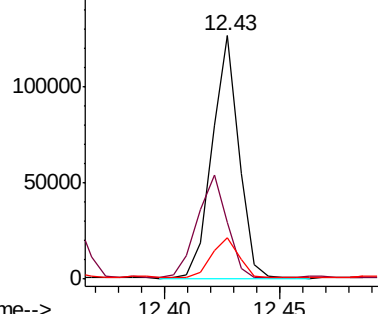
Lab File: BF109431.D

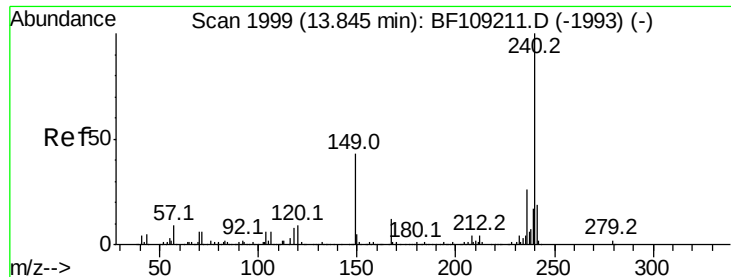
Acq: 28 Sep 2018 15:54

Tgt Ion:	202	Resp:	101737
Ion Ratio	Lower	Upper	
202	100		
101	23.2	0.0	34.1
203	17.0	0.0	38.1



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: 13.84 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

Instrument :

BNA_F

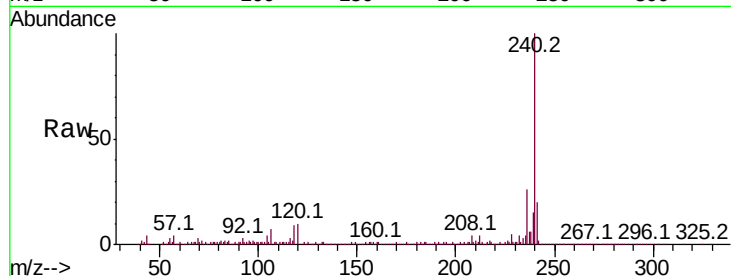
ClientSampleId :

EO-01-092718-B

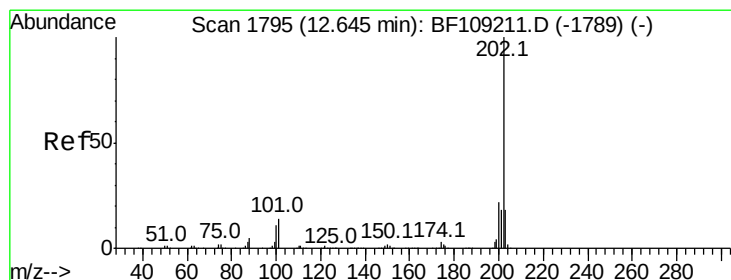
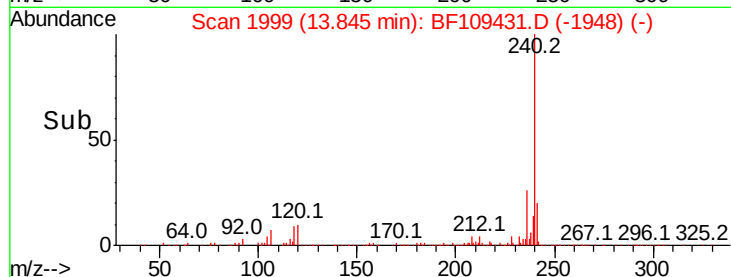
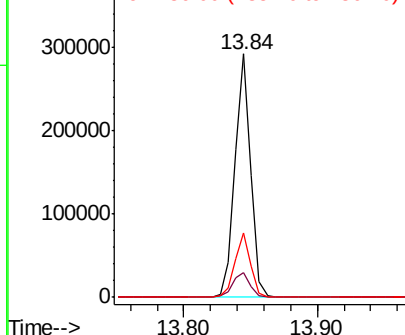
Tot Ion:240	Resp:	240171
Ion Ratio	Lower	Upper
240 100		
120 10.4	9.5	14.3
236 26.4	20.7	31.1

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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

Pyrene

Concen: 6.942 ng

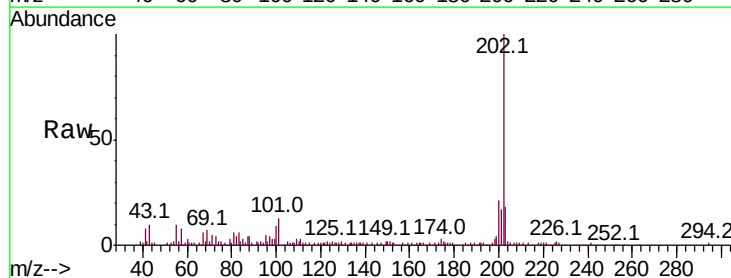
RT: 12.66 min Scan# 1797

Delta R.T. -0.00 min

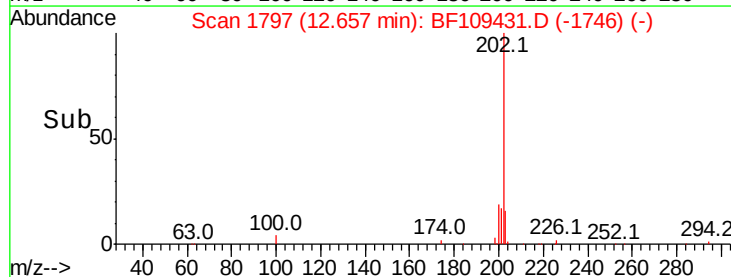
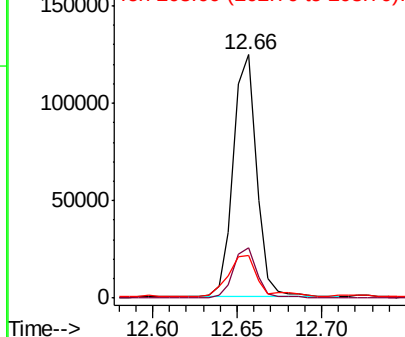
Lab File: BF109431.D

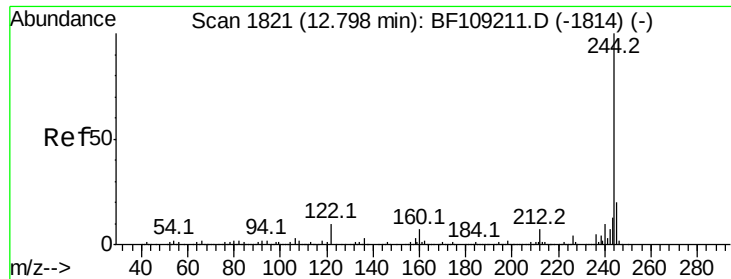
Acq: 28 Sep 2018 15:54

Tgt Ion:202	Resp:	119491
Ion Ratio	Lower	Upper
202 100		
200 20.9	17.4	26.2
203 17.6	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 27.608 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

Instrument :

BNA_F

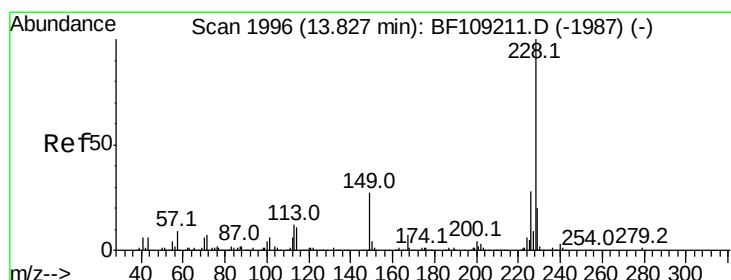
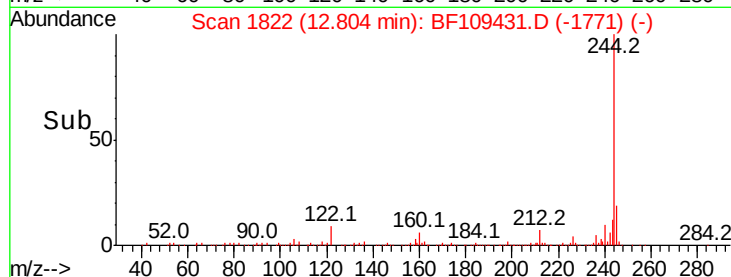
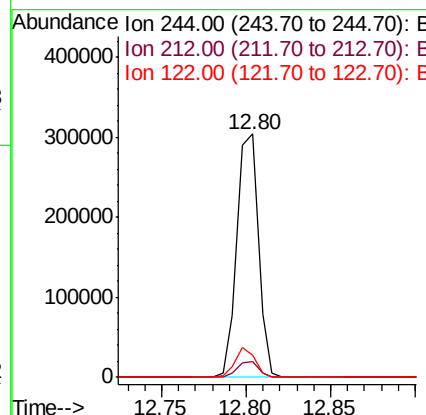
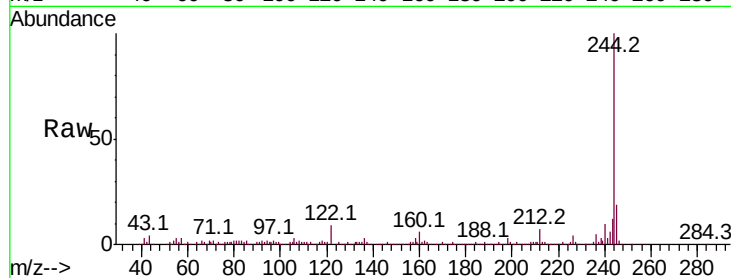
ClientSampleId :

EO-01-092718-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.2	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 4.358 ng

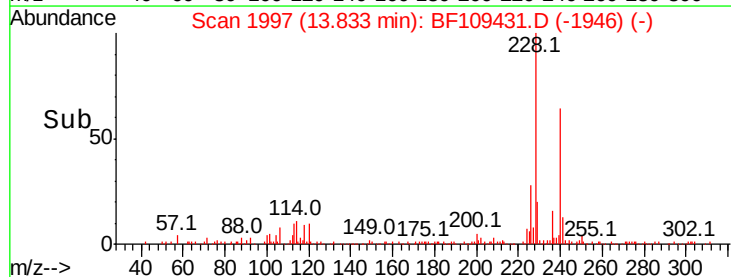
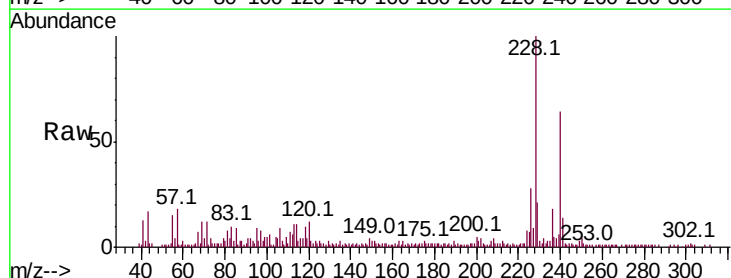
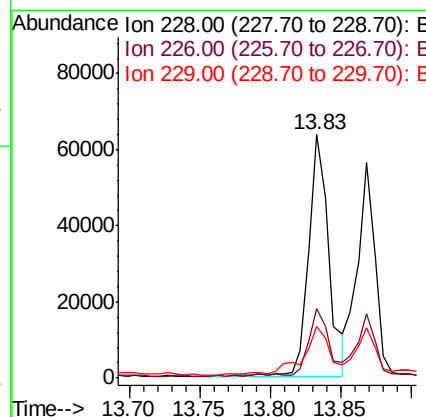
RT: 13.83 min Scan# 1997

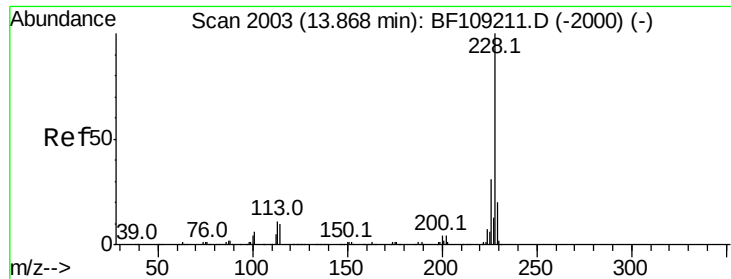
Delta R.T. 0.00 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	21.0	15.8	23.6





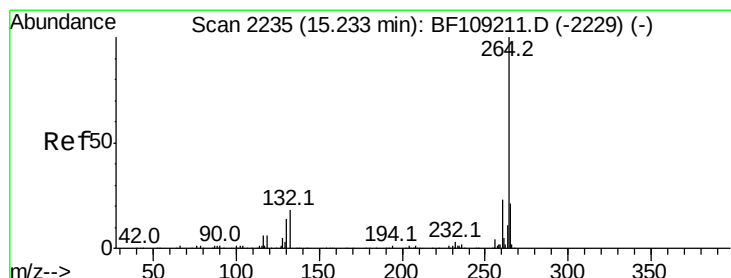
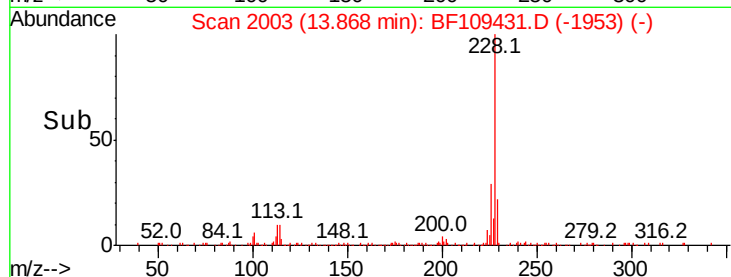
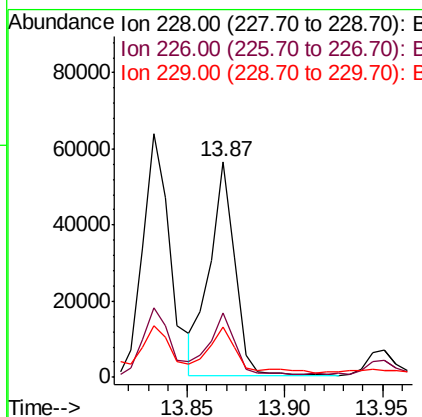
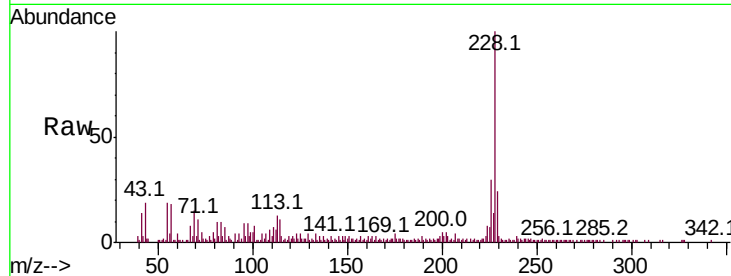
#82
Chrysene
Concen: 3.520 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

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

Tot Ion:	228	Resp:	50476
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.0	37.6
229	23.6	16.2	24.4

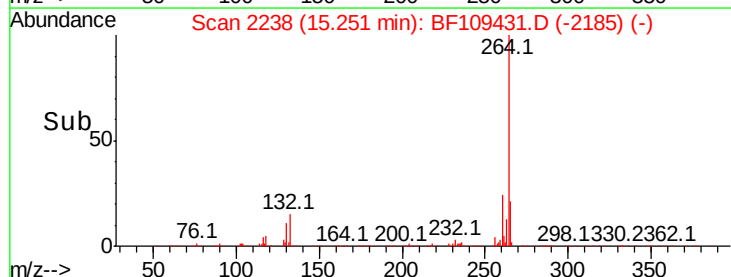
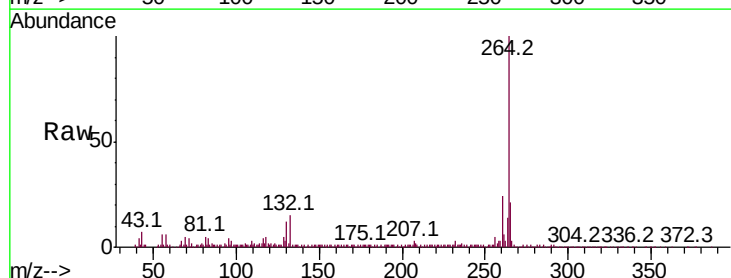
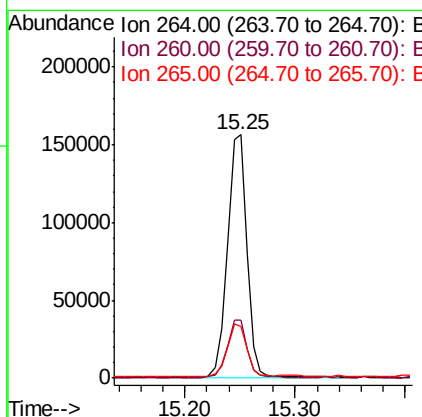
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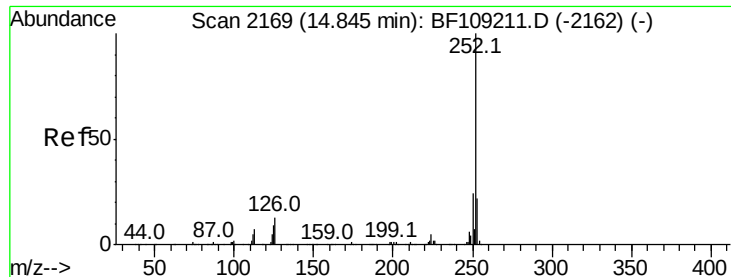
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

Tgt Ion:	264	Resp:	191353
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.2	28.8
265	21.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 5.236 ng/mL

RT: 14.85 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

Instrument :

BNA_F

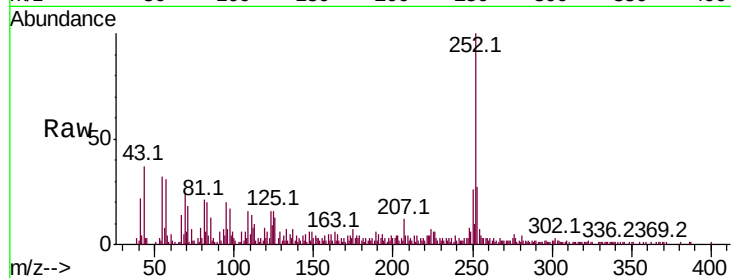
ClientSampleID :

EO-01-092718-B

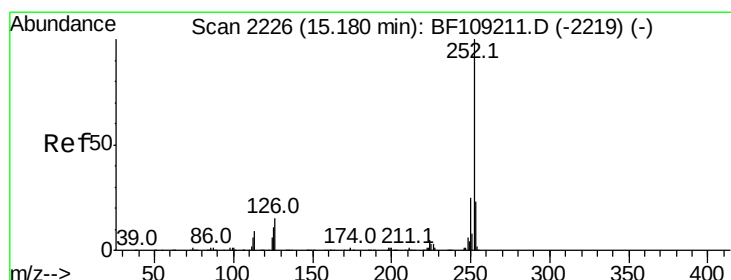
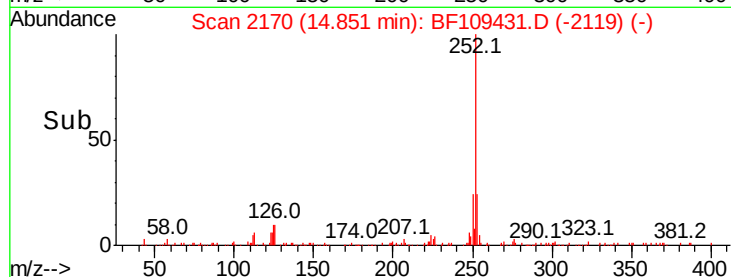
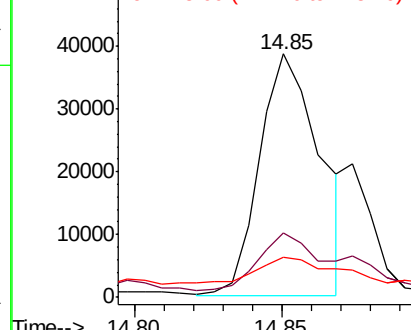
Tot Ion:	252	Resp:	55060
Ion Ratio	Lower	Upper	
252	100		
253	26.6	17.0	25.6#
125	16.3	9.0	13.6#

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



#89

Benzo(a)pyrene

Concen: 3.847 ng/mL

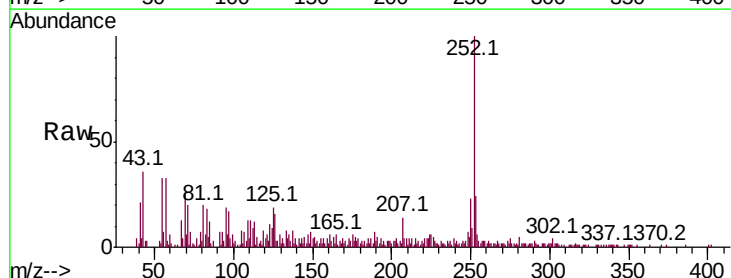
RT: 15.19 min Scan# 2227

Delta R.T. 0.00 min

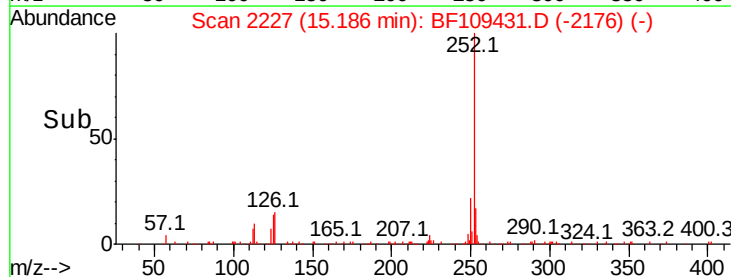
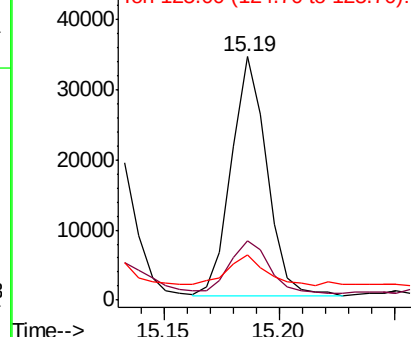
Lab File: BF109431.D

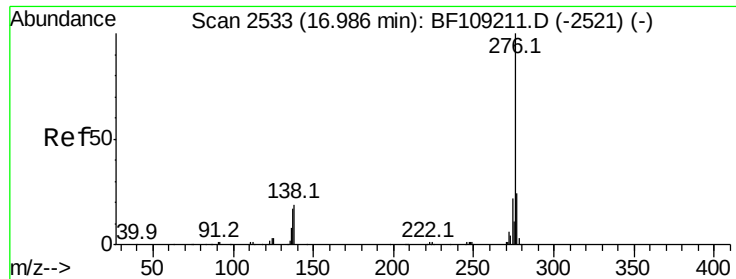
Acq: 28 Sep 2018 15:54

Tgt Ion:	252	Resp:	36446
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.1	25.7
125	18.7	9.8	14.6#



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





#91
 Benzo(a,h,i)perylene
 Concen: 2.116 ng
 RT: 17.00 min Scan# 2536
 Delta R.T. 0.01 min
 Lab File: BF109431.D
 Acq: 28 Sep 2018 15:54

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

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	27.6	17.9	26.9#	
138	28.6	21.8	32.8	

Manual Integrations
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