

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112083.D
 Acq On : 17 Jan 2019 12:29
 Operator : JU/SJ
 Sample : K1012-09 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-011518-B

Manual Integrations
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Sohil
 1/17/2019 2:55:42 PM

Quant Time: Jan 17 14:04:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	289598	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1101127	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	497205	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	776752	20.00	ng	0.00
76) Chrysene-d12	14.03	240	650922	20.00	ng	0.00
87) Perylene-d12	15.50	264	568896	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	191174	11.98	ng	0.00
7) Phenol-d6	6.50	99	251121	12.58	ng	-0.01
23) Nitrobenzene-d5	7.42	82	134033	8.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	51487	9.60	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	326692	9.63	ng	0.00
79) Terphenyl-d14	12.96	244	254846	8.33	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.16	128	277338	5.538	ng	98
37) 2-Methylnaphthalene	8.86	142	87608	2.576	ng	98
52) Acenaphthene	9.93	154	110510	3.803	ng	99
55) Dibenzofuran	10.10	168	140971	3.208	ng	98
58) Fluorene	10.45	166	186307	5.675	ng	99
71) Phenanthrene	11.41	178	1075047	27.501	ng	99
72) Anthracene	11.46	178	309025	7.804	ng	99
73) Carbazole	11.62	167	91718	2.312	ng	97
75) Fluoranthene	12.60	202	1097030	26.580	ng	98
78) Pyrene	12.83	202	885265	20.614	ng	99
81) Benzo(a)anthracene	14.02	228	492202	13.188	ng	99
83) Chrysene	14.05	228	374621	10.608	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	165563	5.082	ng	94
88) Benzo(b)fluoranthene	15.07	252	456838m	14.147	ng	
89) Benzo(k)fluoranthene	15.10	252	166886m	5.339	ng	
90) Benzo(a)pyrene	15.44	252	322426	10.887	ng	99
92) Benzo(a,h,i)perylene	17.43	276	145362	5.610	ng	98

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

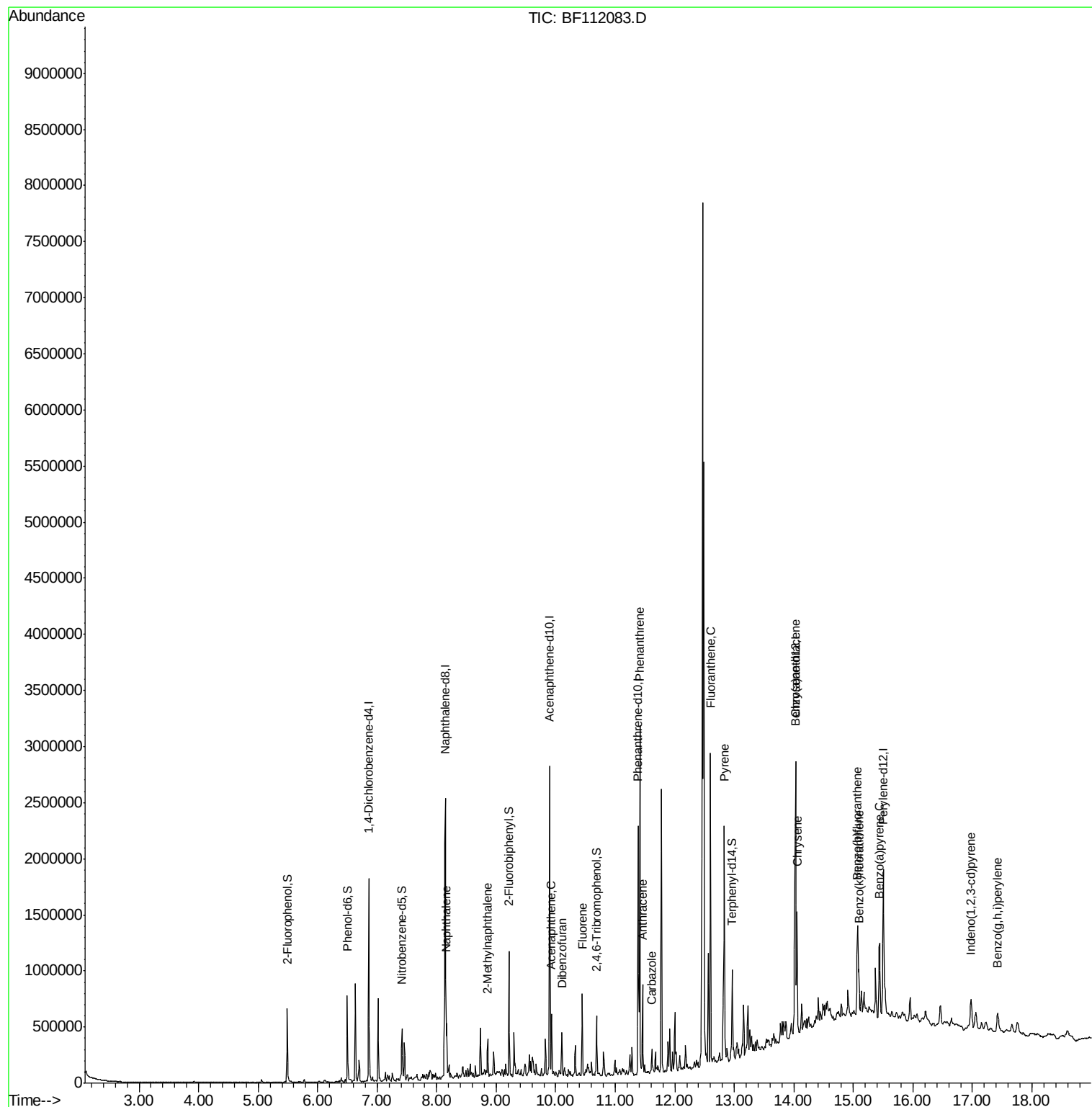
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
Data File : BF112083.D
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ALS Vial : 10 Sample Multiplier: 1

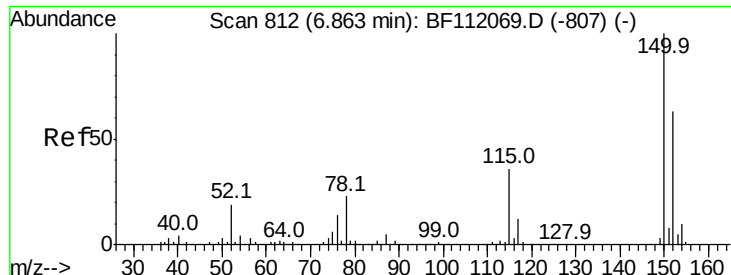
Instrument :
BNA_F
ClientSampleId :
EO-01-011518-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

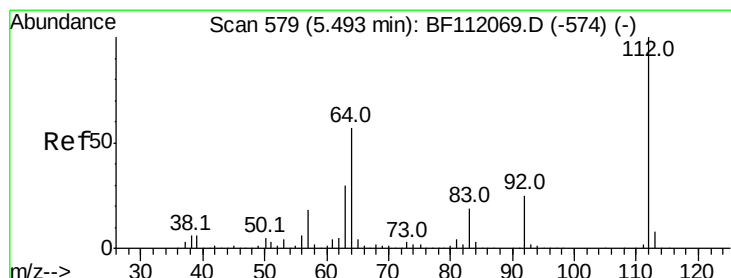
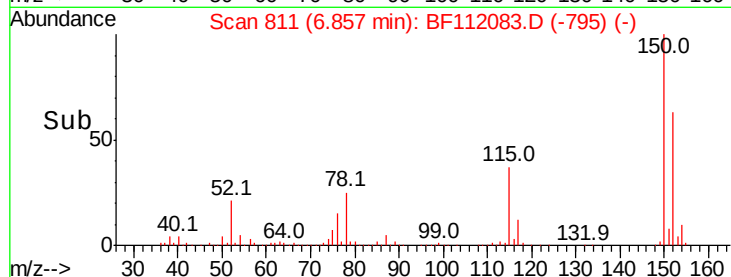
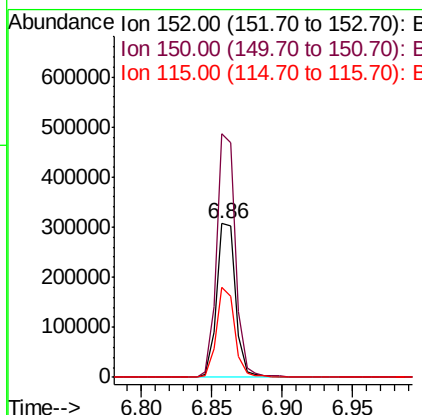
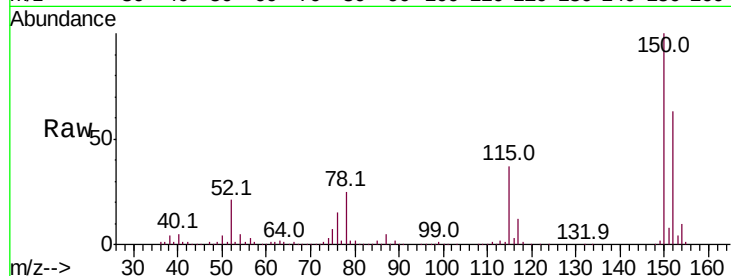
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF112083.D
Acq: 17 Jan 2019 12:29

Instrument :
BNA_F
ClientSampleId :
EO-01-011518-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	127.4	191.0
115	58.9	45.5	68.3

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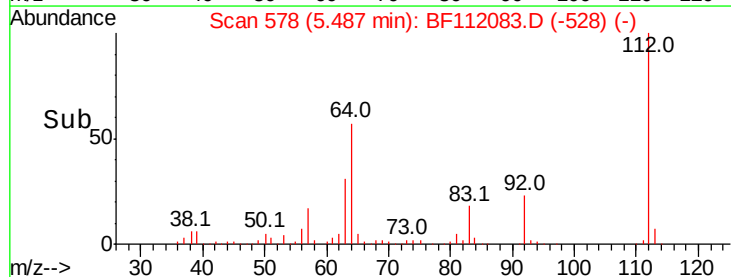
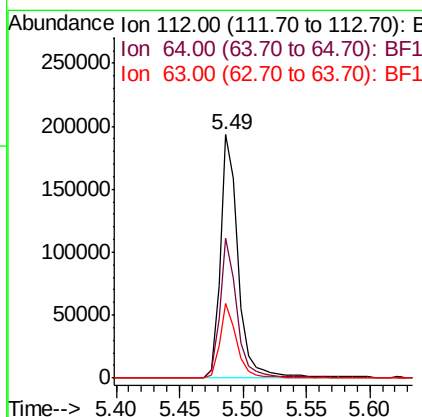
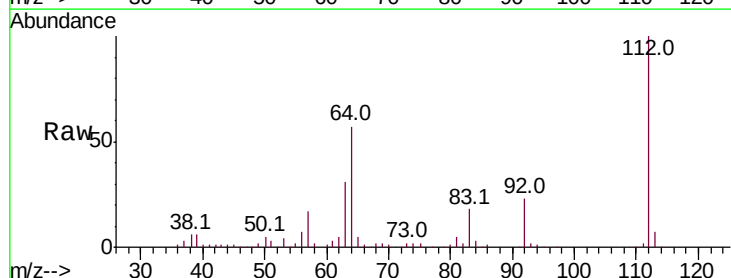
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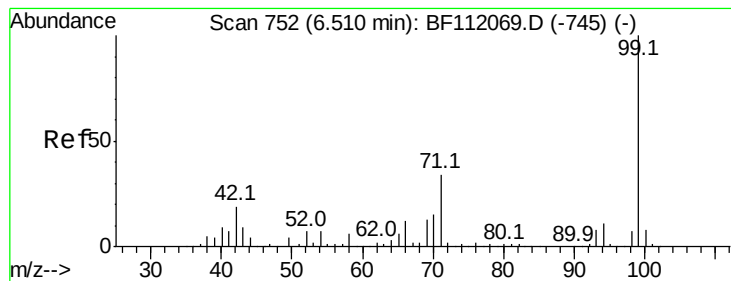


#5

2-Fluorophenol
Concen: 11.982 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF112083.D
Acq: 17 Jan 2019 12:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	45.7	68.5
63	30.7	23.6	35.4





#7

Phenol-d6

Concen: 12.579 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112083.D

Acq: 17 Jan 2019 12:29

Instrument :

BNA_F

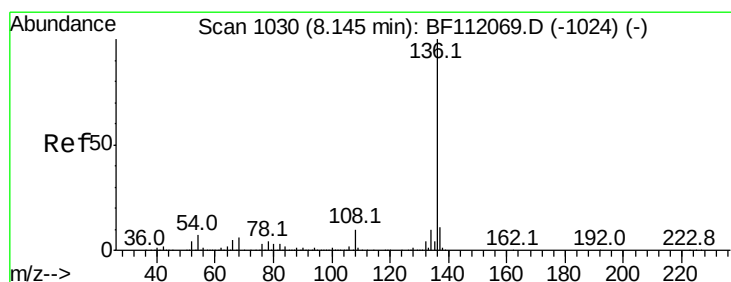
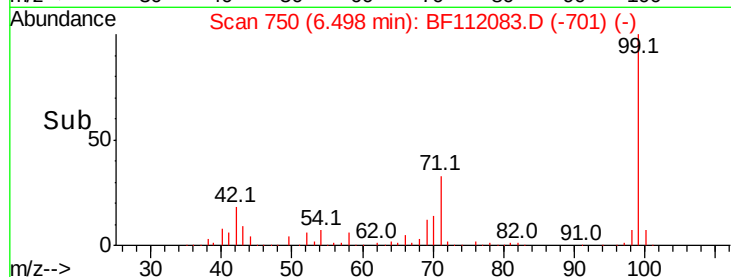
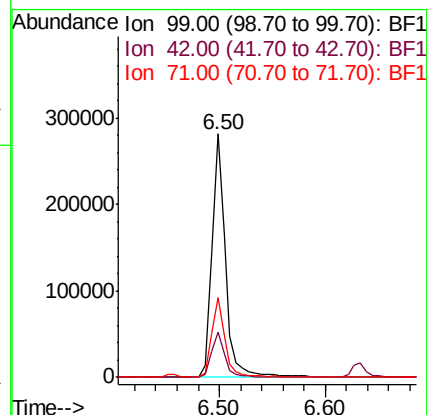
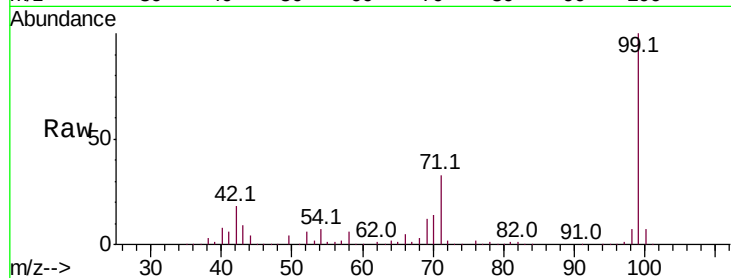
ClientSampleId :

EO-01-011518-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		251121		
42	18.4	15.1	22.7		
71	32.5	26.9	40.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

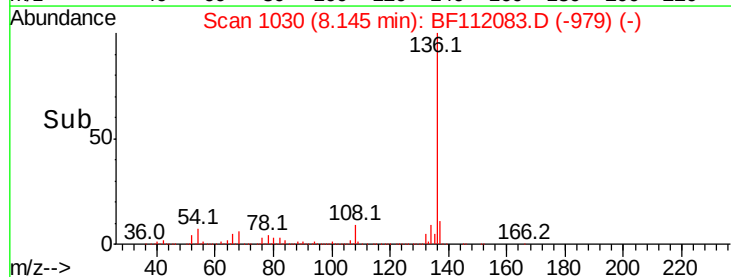
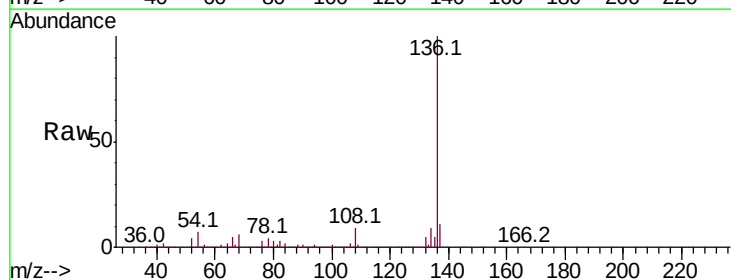
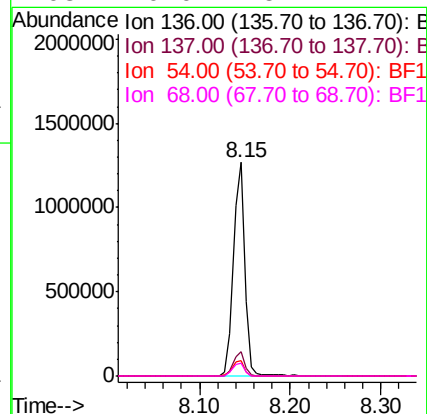
RT: 8.15 min Scan# 1030

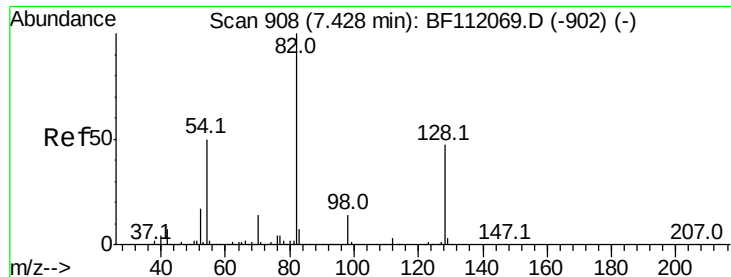
Delta R.T. 0.00 min

Lab File: BF112083.D

Acq: 17 Jan 2019 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		1101127		
137	11.1	9.1	13.7		
54	7.1	5.9	8.9		
68	6.0	5.1	7.7		





#23

Nitrobenzene-d5

Concen: 8.410 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF112083.D

Acq: 17 Jan 2019 12:29

Instrument :

BNA_F

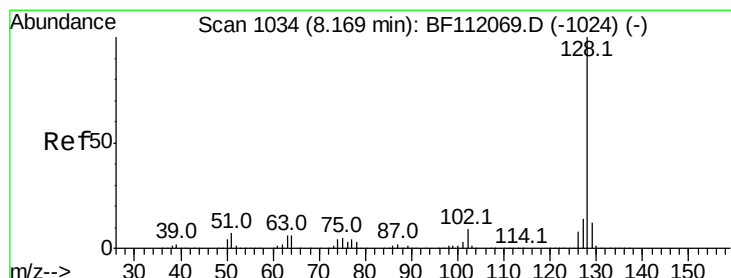
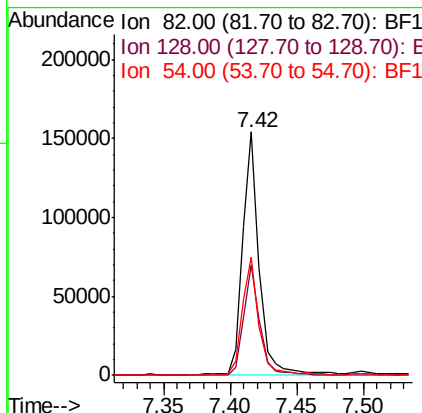
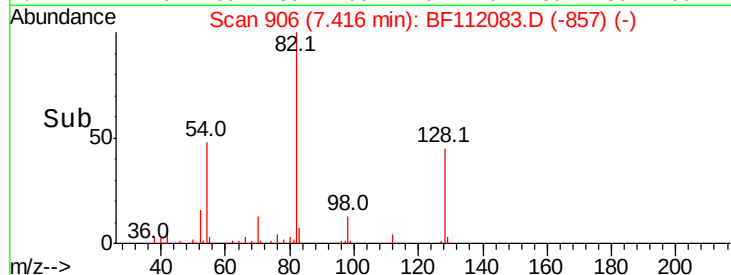
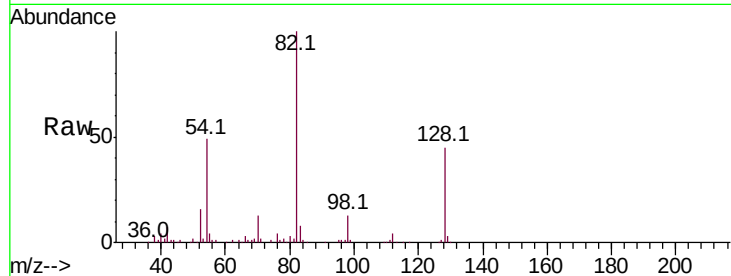
ClientSampleId :

EO-01-011518-B

Tot Ion:	82	Resp:	134033
Ion Ratio	Lower	Upper	
82	100		
128	45.3	37.8	56.8
54	48.5	39.7	59.5

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#31

Naphthalene

Concen: 5.538 ng

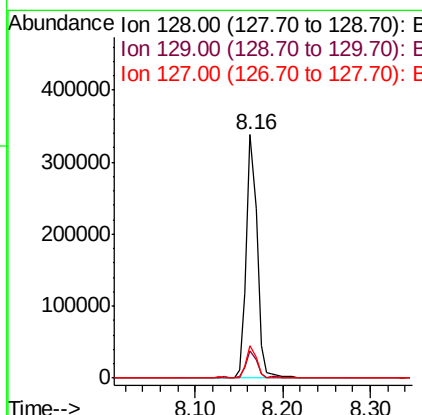
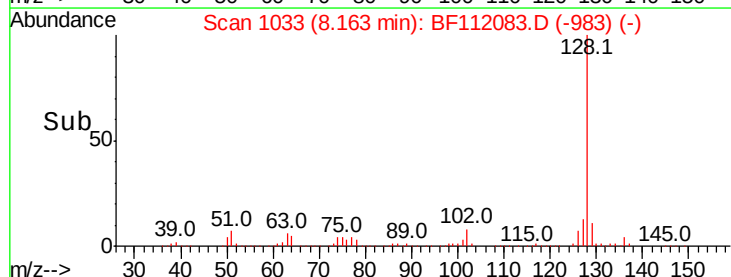
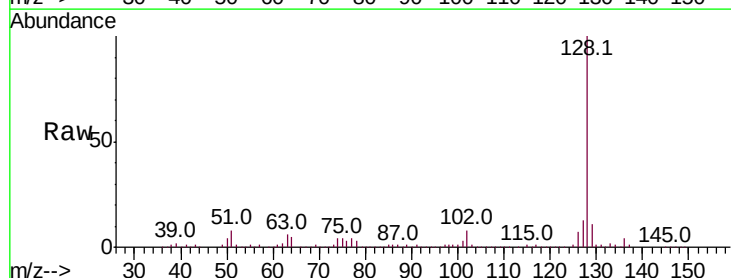
RT: 8.16 min Scan# 1033

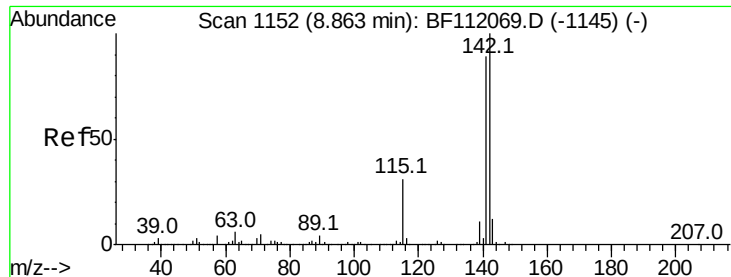
Delta R.T. -0.01 min

Lab File: BF112083.D

Acq: 17 Jan 2019 12:29

Tgt Ion:	128	Resp:	277338
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.6	14.4
127	13.2	11.1	16.7





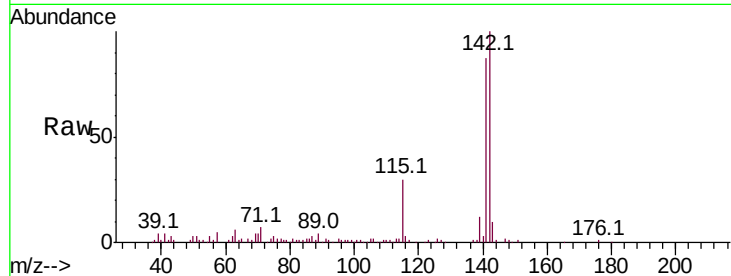
#37
2-Methylnaphthalene
Concen: 2.576 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF112083.D
Acq: 17 Jan 2019 12:29

Instrument :
BNA_F
ClientSampleId :
EO-01-011518-B

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.6	70.9	106.3
115	30.3	24.9	37.3

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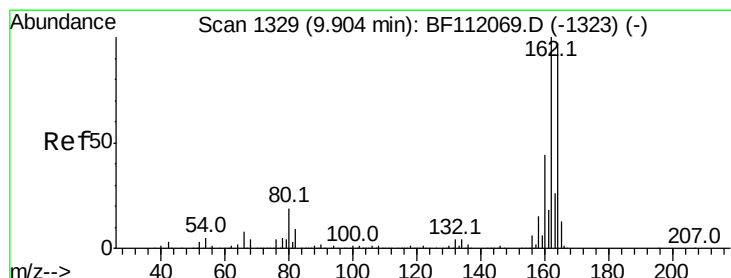
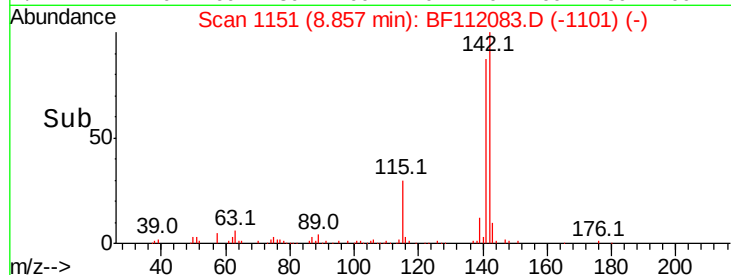
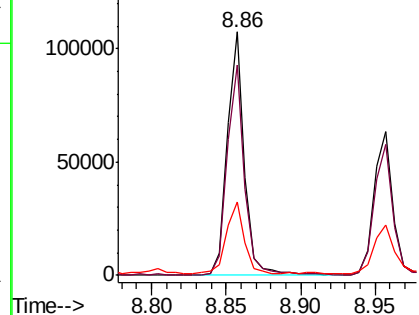


Abundance

Ion 142.00 (141.70 to 142.70): E

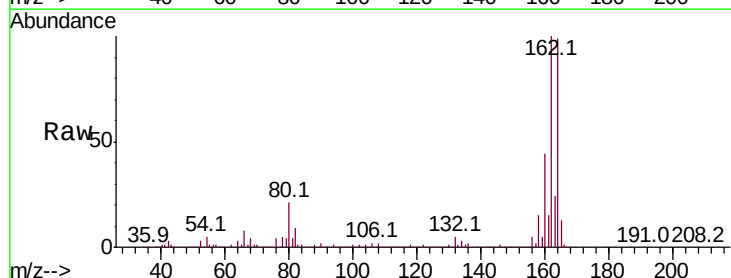
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF112083.D
Acq: 17 Jan 2019 12:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.2	123.4
160	44.8	36.2	54.4

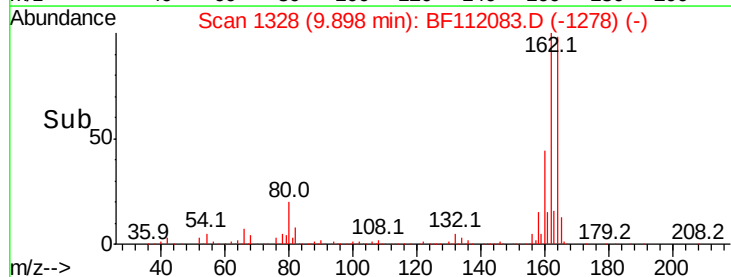
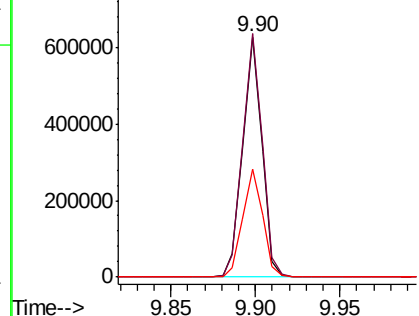


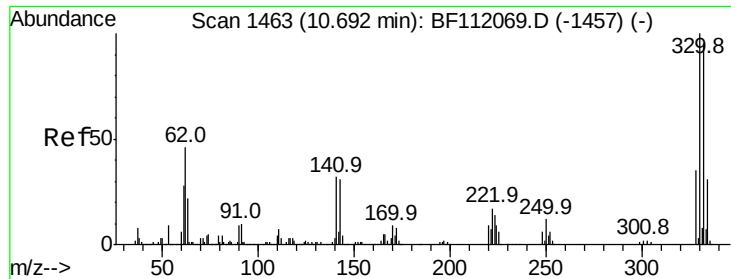
Abundance

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





#42

2,4,6-Tribromophenol

Concen: 9.599 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF112083.D

Acq: 17 Jan 2019 12:29

Instrument :

BNA_F

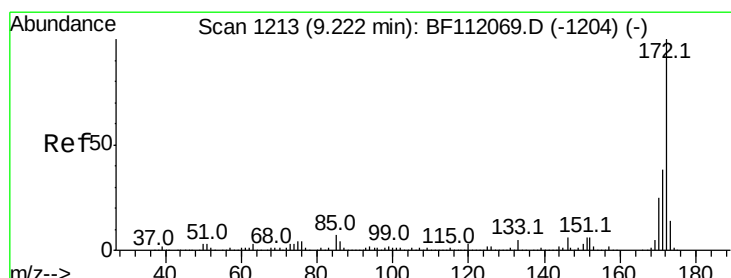
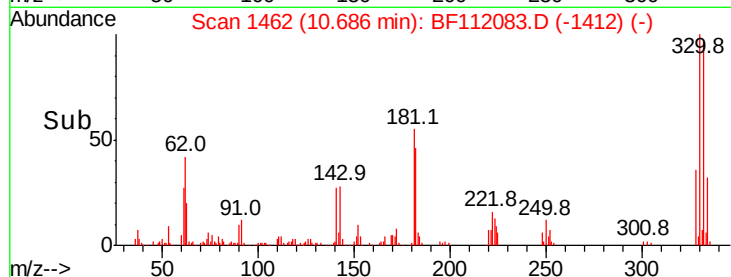
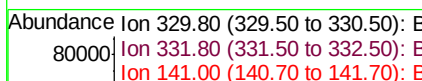
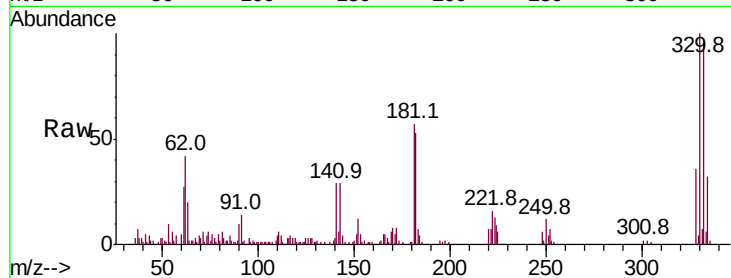
ClientSampleId :

EO-01-011518-B

Tot Ion:	330	Resp:	51487
Ion Ratio	Lower	Upper	
330	100		
332	95.8	76.6	114.8
141	31.8	24.3	36.5

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#45

2-Fluorobiphenyl

Concen: 9.633 ng

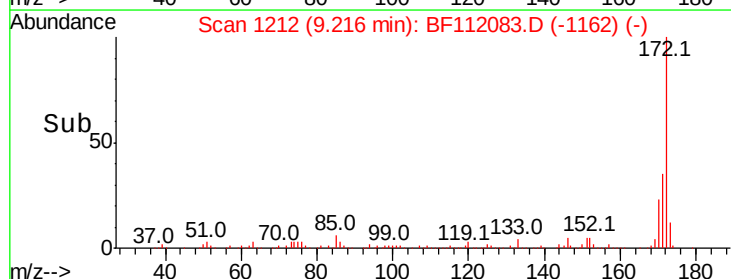
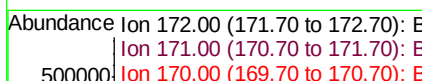
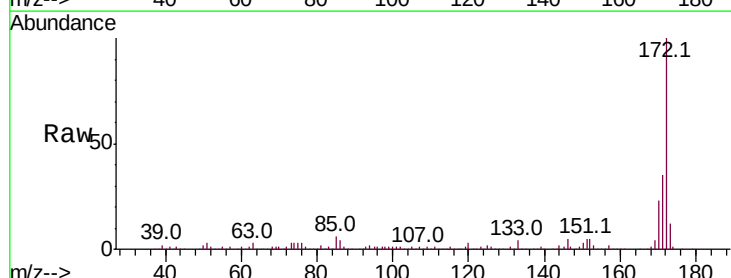
RT: 9.22 min Scan# 1212

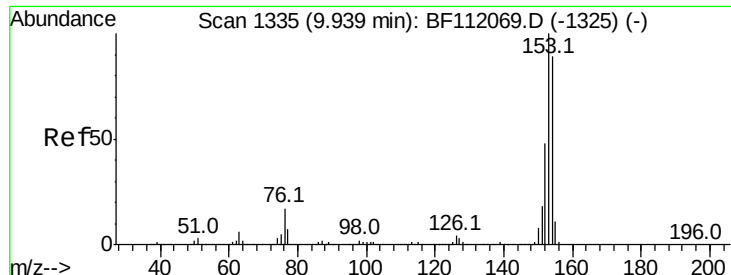
Delta R.T. -0.01 min

Lab File: BF112083.D

Acq: 17 Jan 2019 12:29

Tgt Ion:	172	Resp:	326692
Ion Ratio	Lower	Upper	
172	100		
171	35.0	30.5	45.7
170	22.8	20.2	30.4





#52

Acenaphthene

Concen: 3.803 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF112083.D

Acq: 17 Jan 2019 12:29

Instrument :

BNA_F

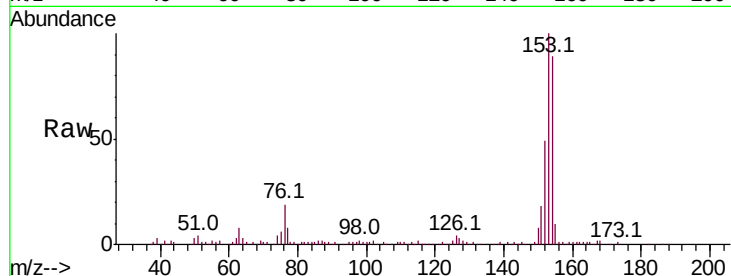
ClientSampleId :

EO-01-011518-B

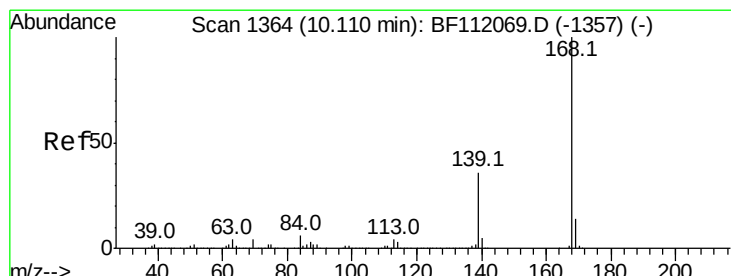
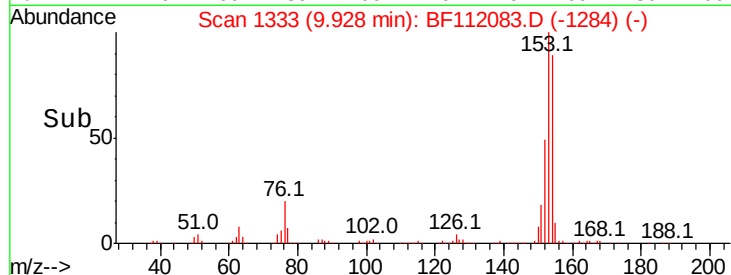
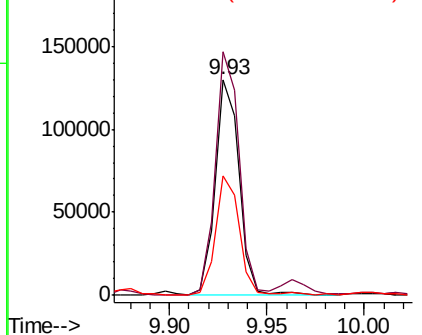
Tot Ion:	154	Resp:	110510
Ion Ratio	Lower	Upper	
154	100		
153	112.8	89.8	134.6
152	55.2	43.5	65.3

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 3.208 ng

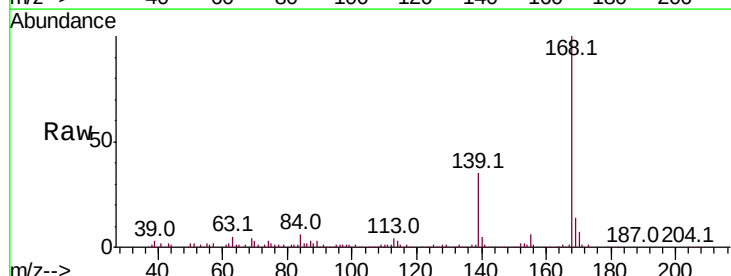
RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

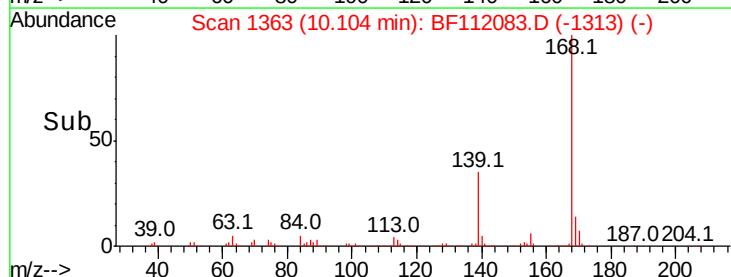
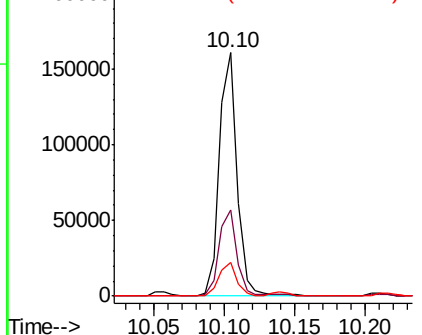
Lab File: BF112083.D

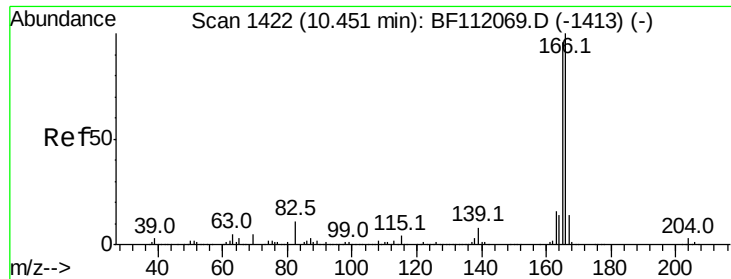
Acq: 17 Jan 2019 12:29

Tgt Ion:	168	Resp:	140971
Ion Ratio	Lower	Upper	
168	100		
139	35.2	29.2	43.8
169	13.9	11.4	17.0



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





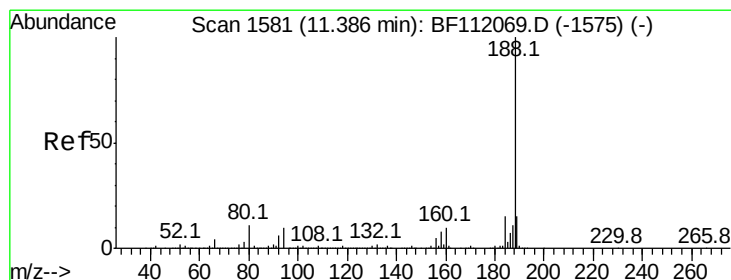
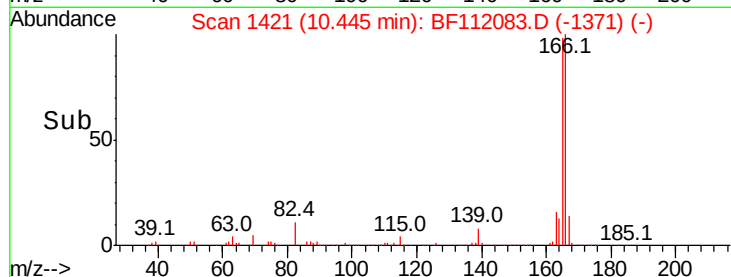
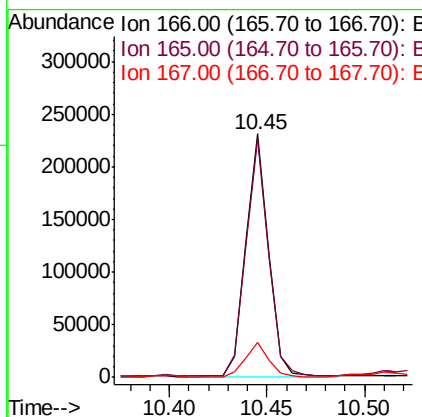
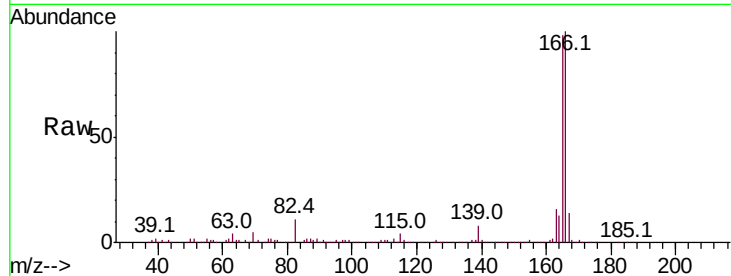
#58
 Fluorene
 Concen: 5.675 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF112083.D
 Acq: 17 Jan 2019 12:29

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-011518-B

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.1	115.7
167	14.4	11.3	16.9

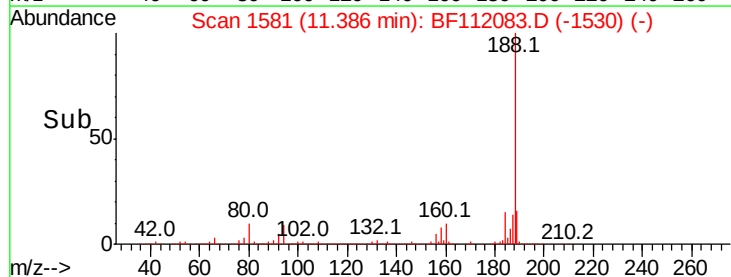
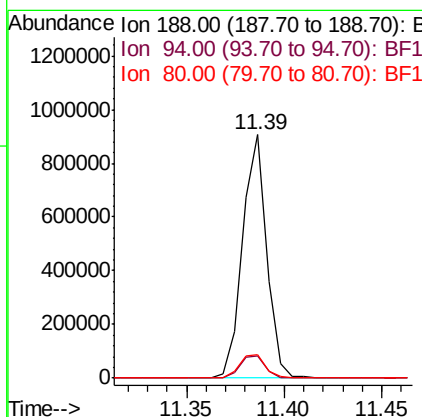
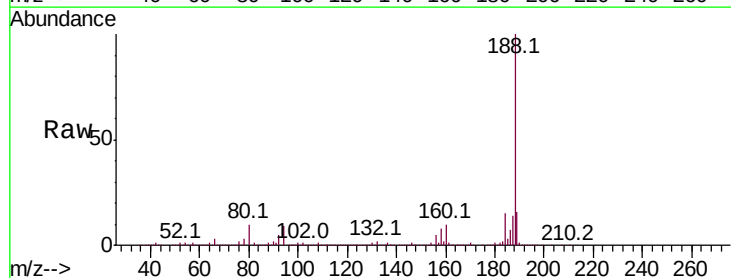
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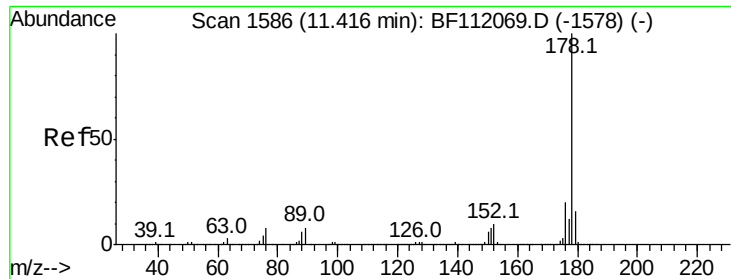
Sohil
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BF112083.D
 Acq: 17 Jan 2019 12:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.2	12.2
80	9.6	8.9	13.3





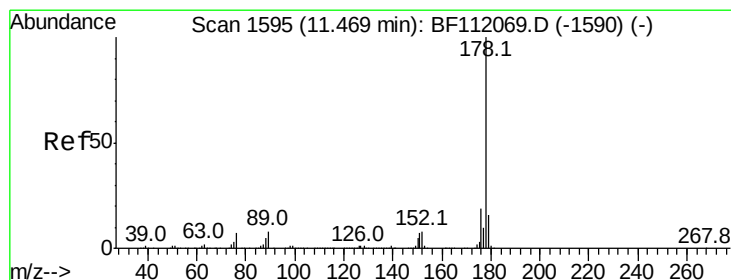
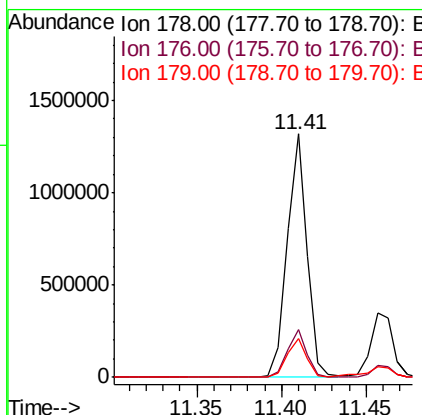
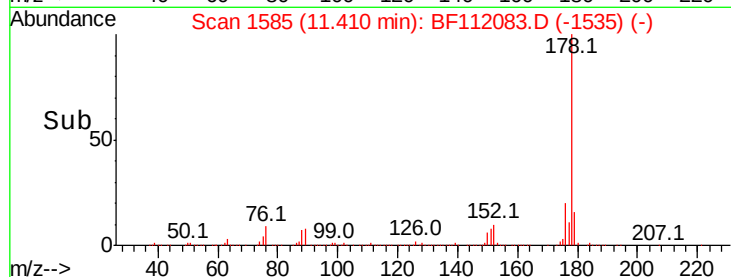
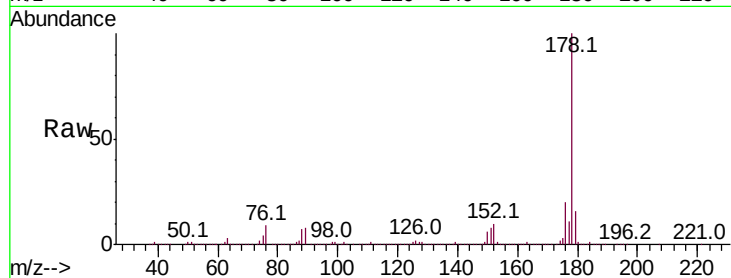
#71
Phenanthrene
Concen: 27.501 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF112083.D
Acq: 17 Jan 2019 12:29

Instrument :
BNA_F
ClientSampled :
EO-01-011518-B

Tot Ion:178 Resp: 1075047
Ion Ratio Lower Upper
178 100
176 19.5 16.3 24.5
179 16.1 13.0 19.4

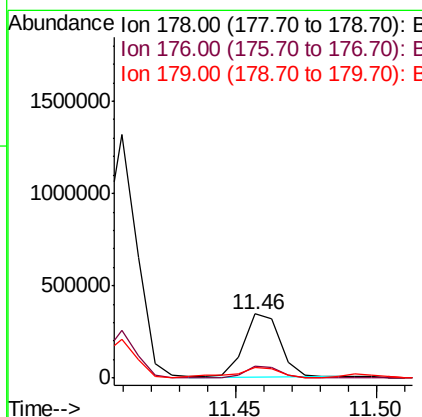
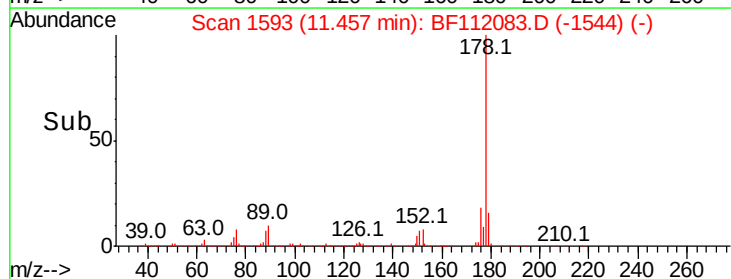
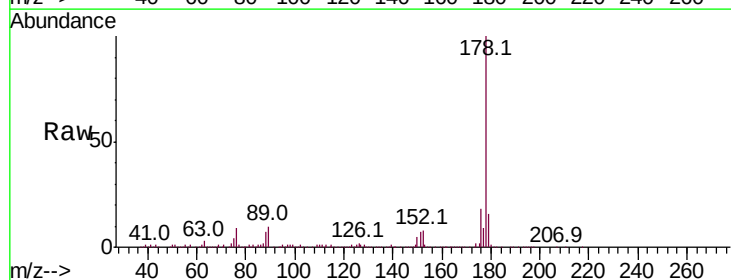
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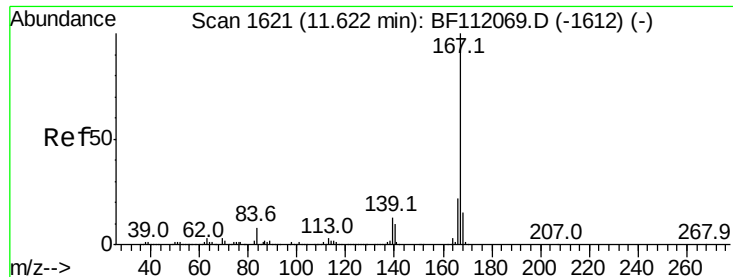
Sohil
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#72
Anthracene
Concen: 7.804 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF112083.D
Acq: 17 Jan 2019 12:29

Tgt Ion:178 Resp: 309025
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.7 12.8 19.2





#73

Carbazole

Concen: 2.312 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF112083.D

Acq: 17 Jan 2019 12:29

Instrument :

BNA_F

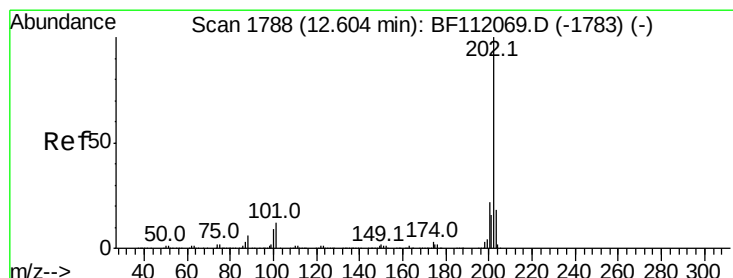
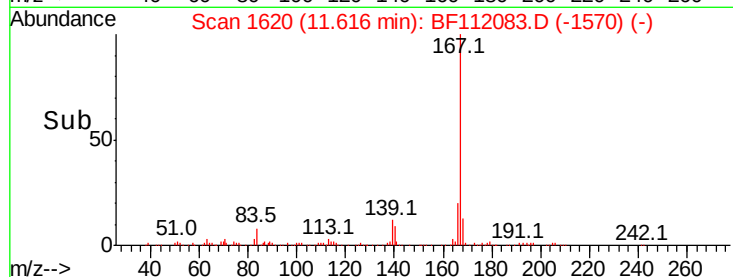
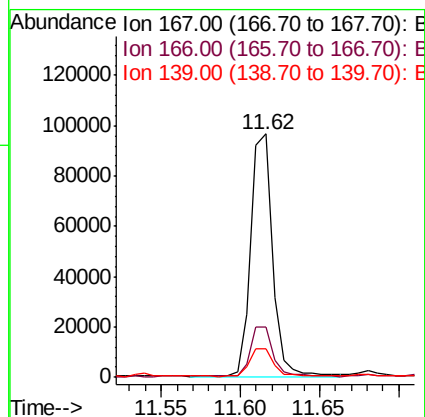
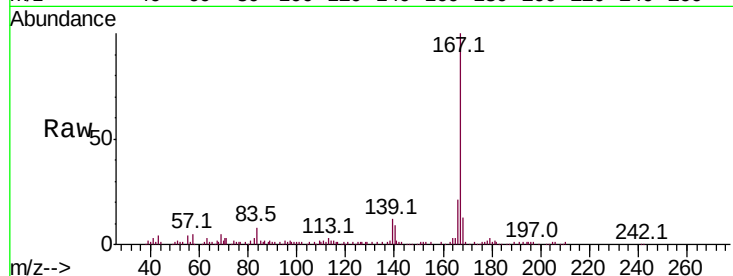
ClientSampleId :

EO-01-011518-B

Tot Ion:	167	Resp:	91718
Ion Ratio	Lower	Upper	
167	100		
166	20.7	17.9	26.9
139	11.8	10.2	15.2

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#75

Fluoranthene

Concen: 26.580 ng

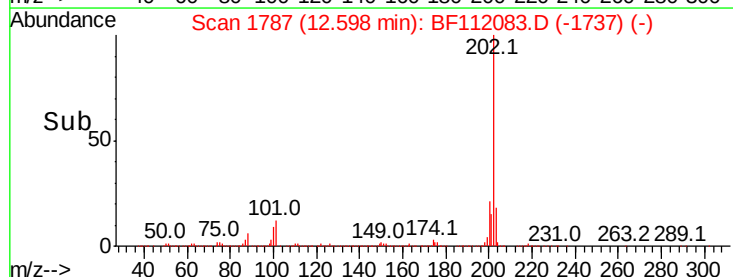
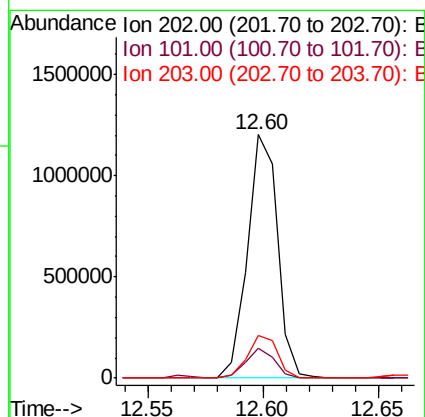
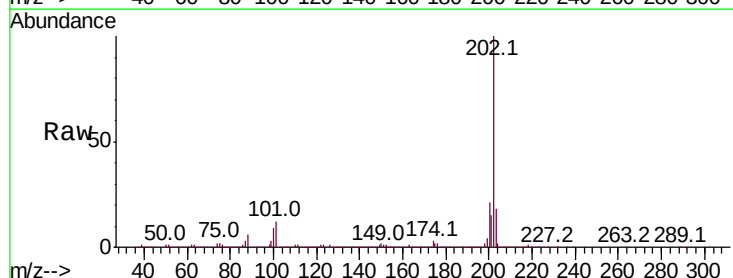
RT: 12.60 min Scan# 1787

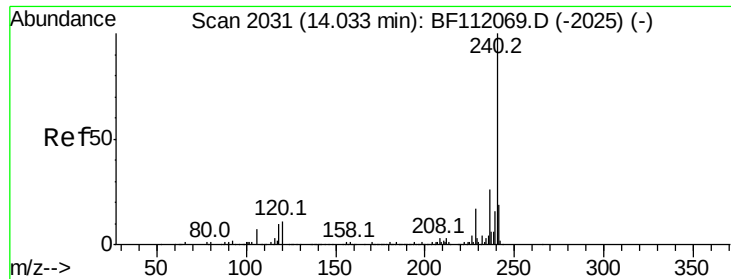
Delta R.T. -0.01 min

Lab File: BF112083.D

Acq: 17 Jan 2019 12:29

Tgt Ion:	202	Resp:	1097030
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	31.8
203	17.7	0.0	38.4





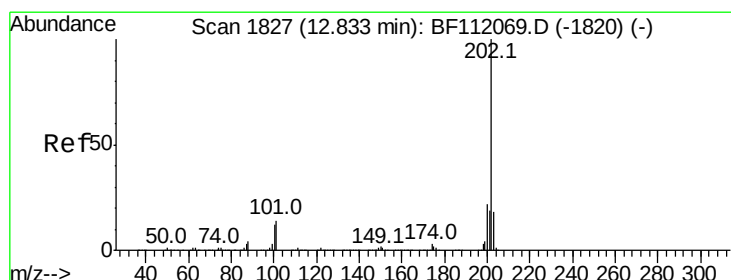
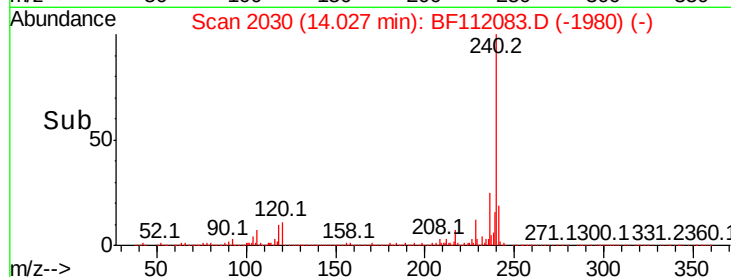
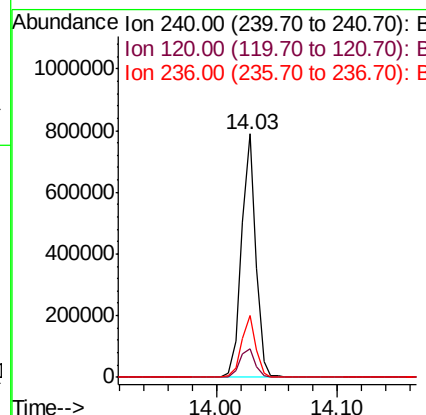
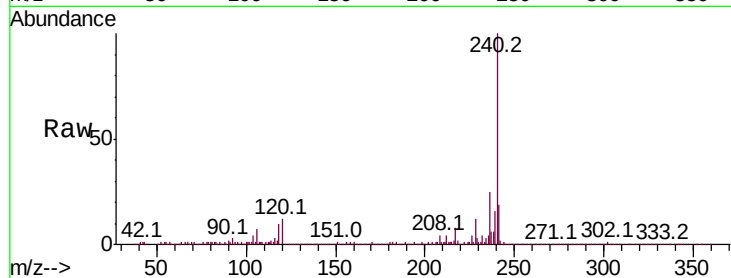
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112083.D
Acq: 17 Jan 2019 12:29

Instrument :
BNA_F
ClientSampleId :
EO-01-011518-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.0	13.6
236	25.4	20.7	31.1

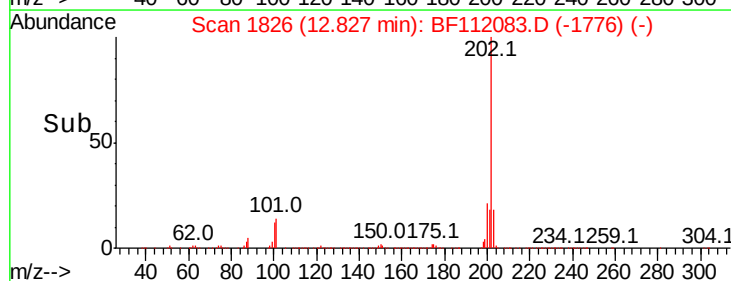
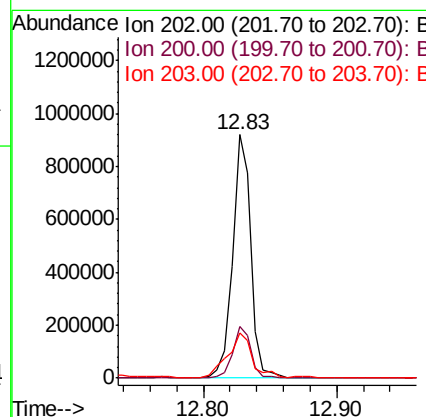
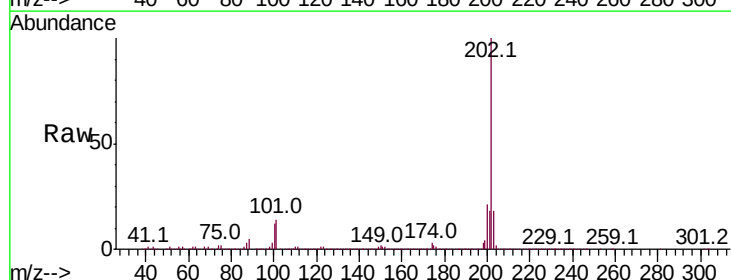
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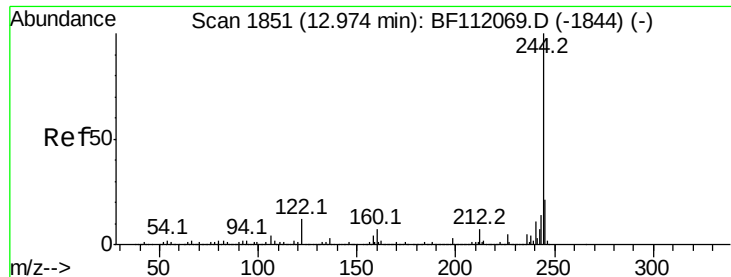
Sohil
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#78
Pyrene
Concen: 20.614 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF112083.D
Acq: 17 Jan 2019 12:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	18.5	14.6	22.0





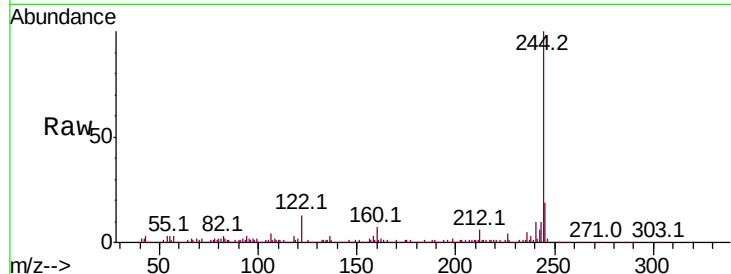
#79
 Terphenyl-d14
 Concen: 8.329 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF112083.D
 Acq: 17 Jan 2019 12:29

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-011518-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.9	8.9
122	12.6	9.8	14.6

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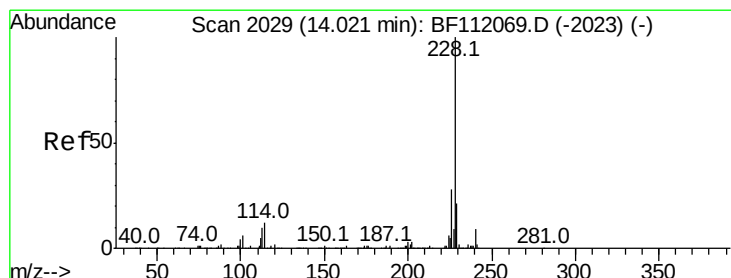
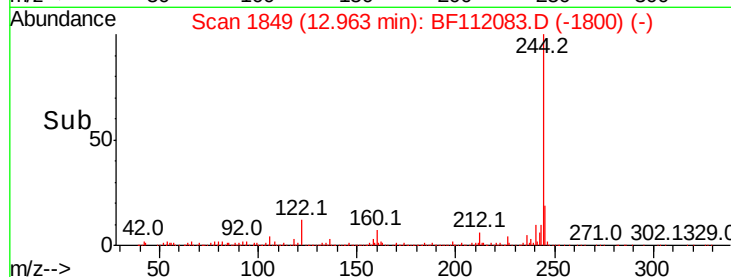
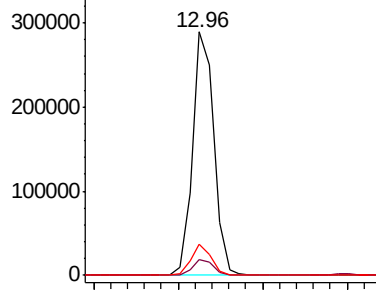


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 13.188 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF112083.D
 Acq: 17 Jan 2019 12:29

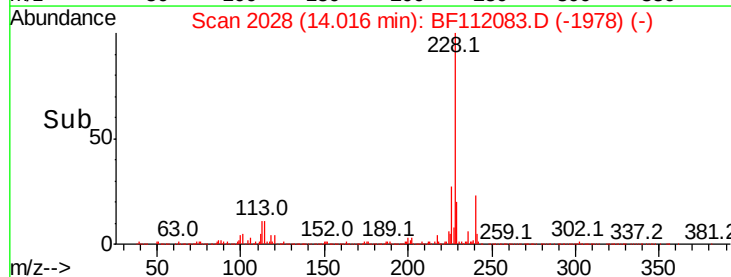
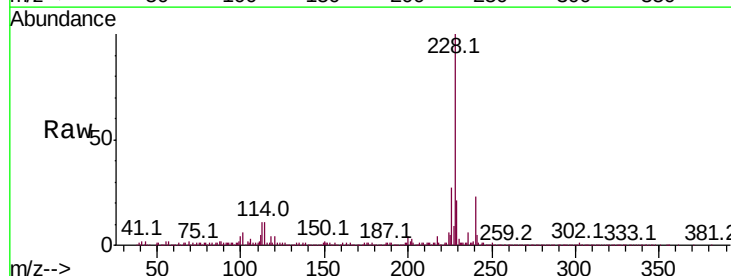
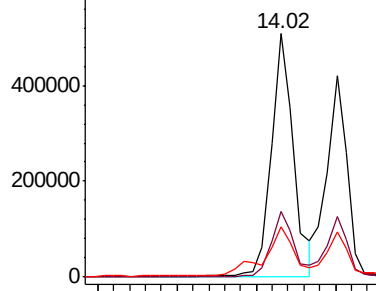
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	34.0
229	20.7	16.5	24.7

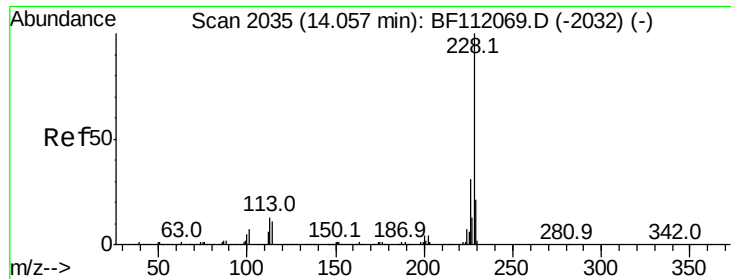
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





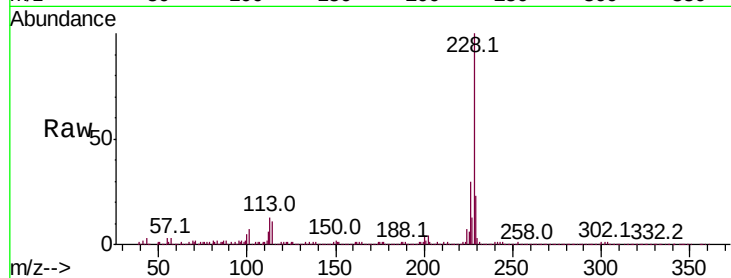
#83
Chrysene
Concen: 10.608 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF112083.D
Acq: 17 Jan 2019 12:29

Instrument :
BNA_F
ClientSampled :
EO-01-011518-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	22.6	16.6	24.8

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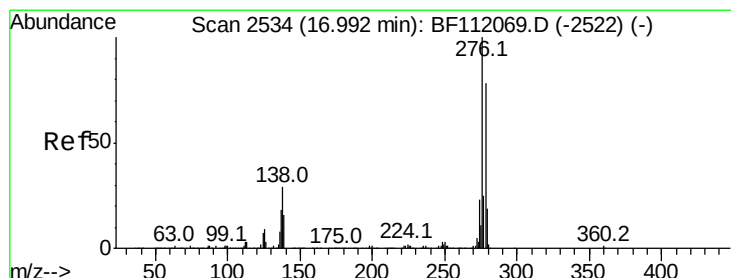
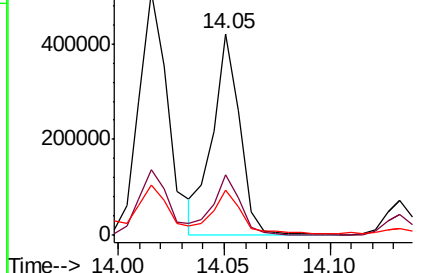
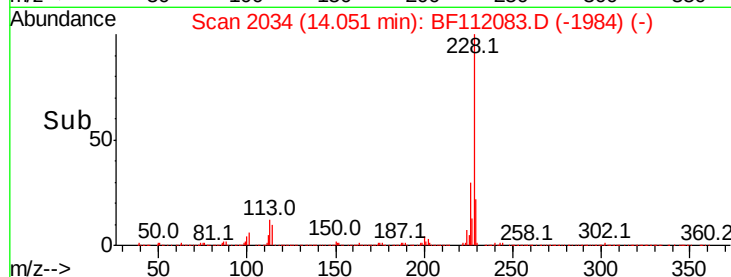


Abundance

Ion 228.00 (227.70 to 228.70): E

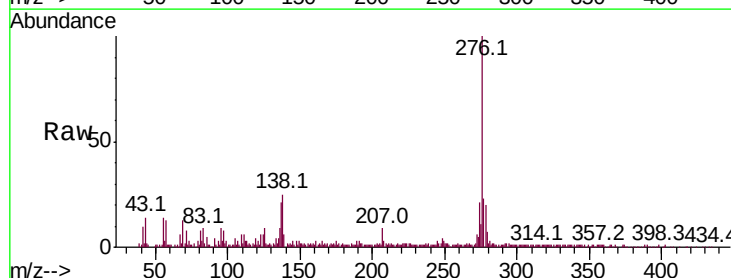
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.082 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF112083.D
Acq: 17 Jan 2019 12:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.5	22.6	34.0
277	24.2	20.3	30.5

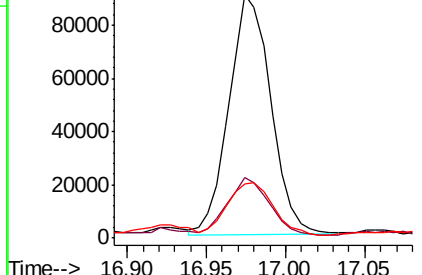
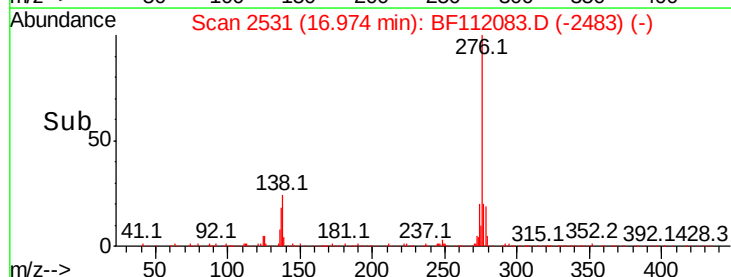


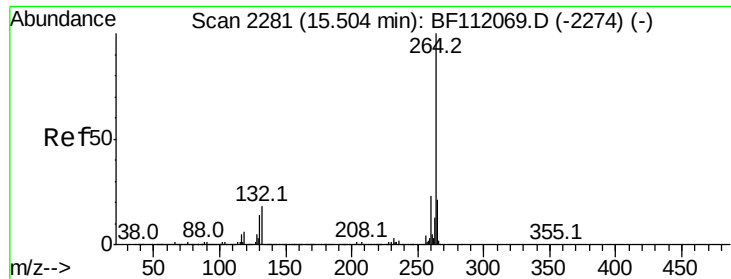
Abundance

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.00 min

Lab File: BF112083.D

Acq: 17 Jan 2019 12:29

Instrument :

BNA_F

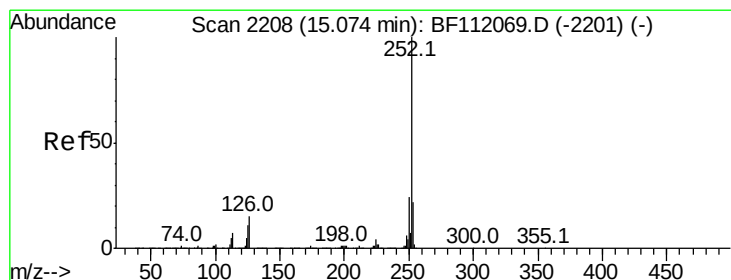
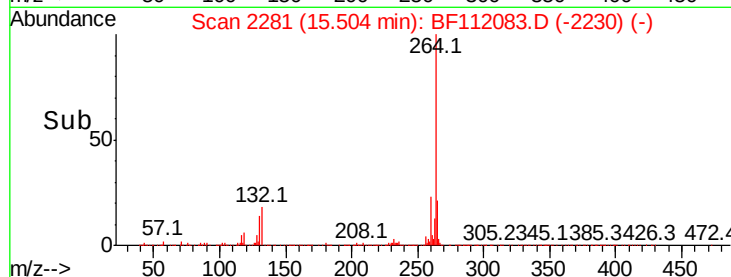
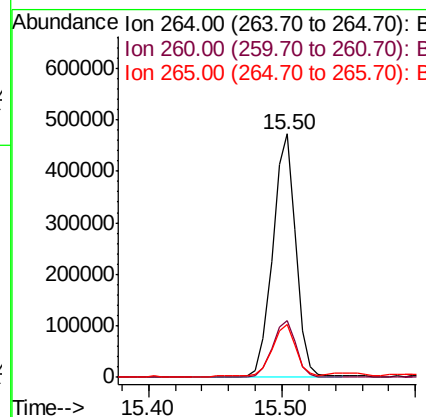
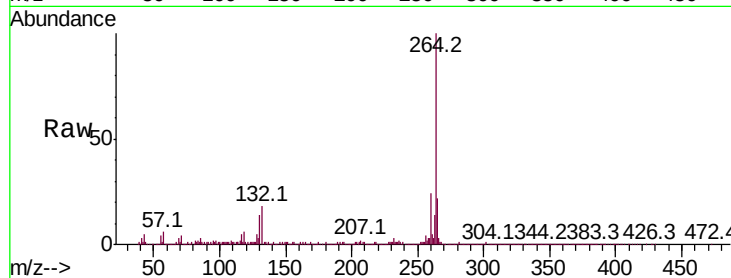
ClientSampleId :

EO-01-011518-B

Tot Ion:	264	Resp:	568896
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.2	27.2
265	21.8	17.0	25.4

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#88

Benzo(b)fluoranthene

Concen: 14.147 ng m

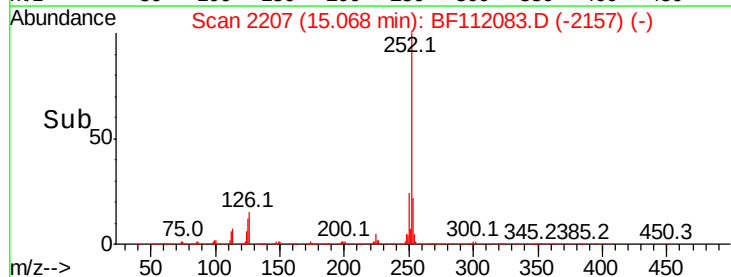
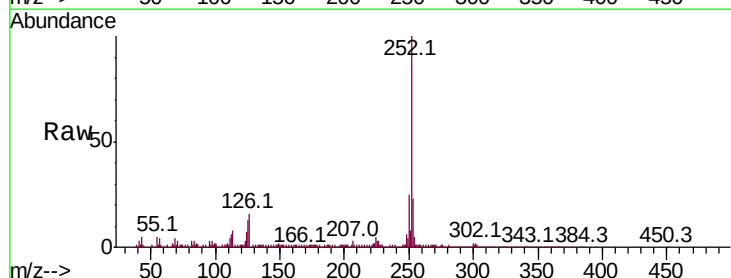
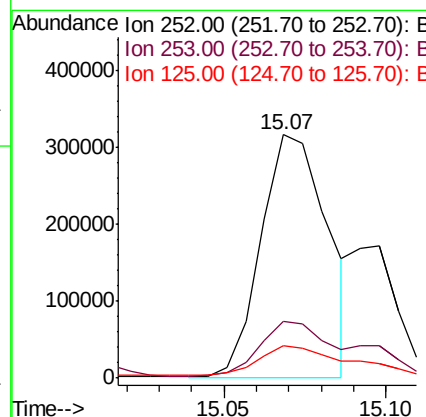
RT: 15.07 min Scan# 2207

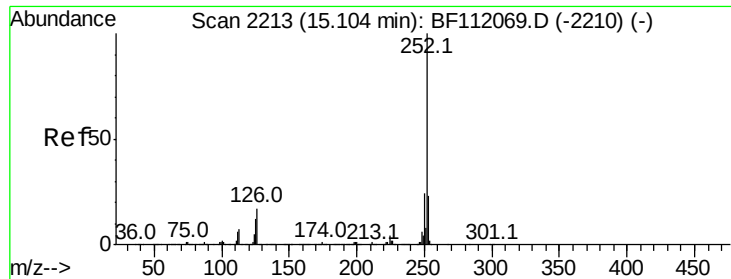
Delta R.T. -0.01 min

Lab File: BF112083.D

Acq: 17 Jan 2019 12:29

Tgt Ion:	252	Resp:	456838
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.0	27.0
125	13.1	8.7	13.1#





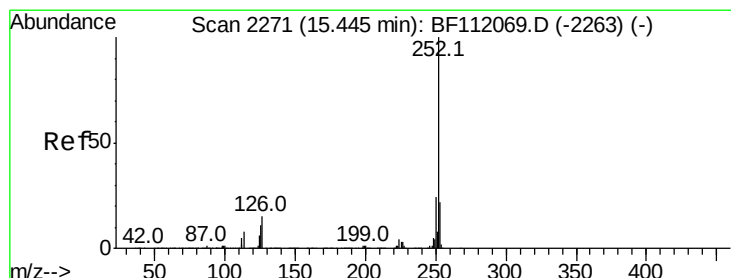
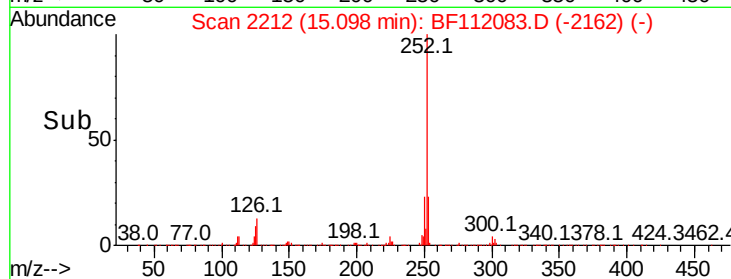
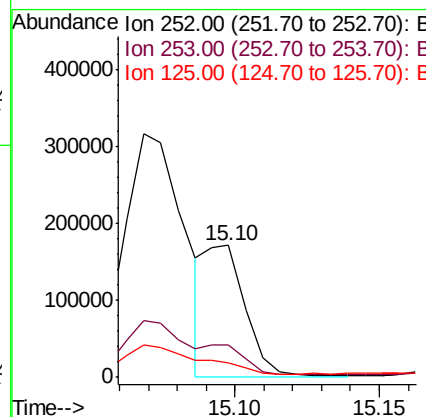
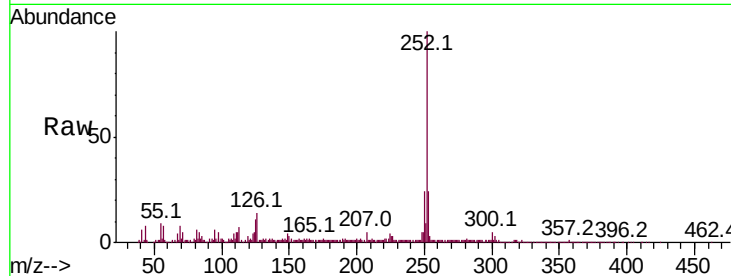
#89
Benzo(k)fluoranthene
Concen: 5.339 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF112083.D
Acq: 17 Jan 2019 12:29

Instrument :
BNA_F
ClientSampleId :
EO-01-011518-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	11.2	9.1	13.7

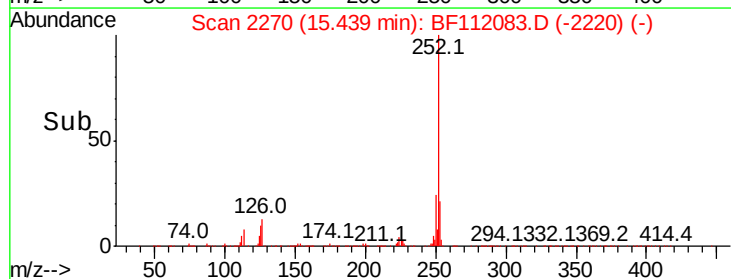
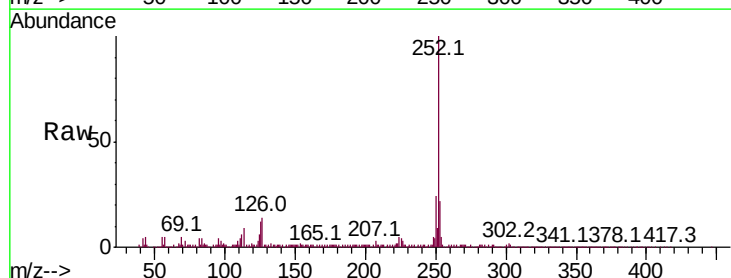
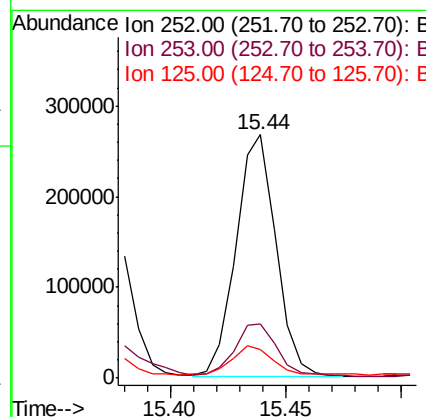
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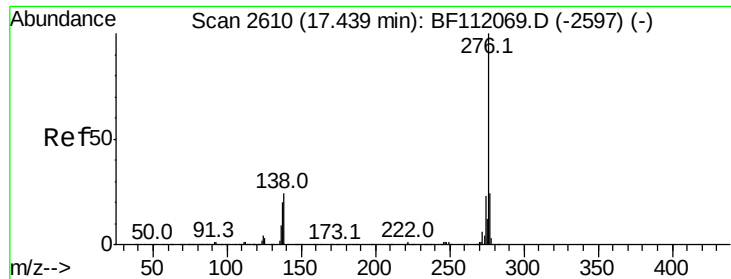
Sohil
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#90
Benzo(a)pyrene
Concen: 10.887 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF112083.D
Acq: 17 Jan 2019 12:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	11.8	9.0	13.4





#92
 Benzo(a,h,i)perylene
 Concen: 5.610 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. -0.01 min
 Lab File: BF112083.D
 Acq: 17 Jan 2019 12:29

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-011518-B

Tot Ion:	276	Resp:	145362
Ion Ratio	Lower	Upper	
276	100		
277	22.7	19.4	29.0
138	23.7	19.1	28.7

Manual Integrations
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