

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112082.D
 Acq On : 17 Jan 2019 12:02
 Operator : JU/SJ
 Sample : K1012-07 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
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 1/17/2019 2:55:40 PM

Quant Time: Jan 17 13:59:28 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	295287	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1144891	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	533846	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	883416	20.00	ng	0.00
76) Chrysene-d12	14.03	240	676537	20.00	ng	0.00
87) Perylene-d12	15.50	264	603792	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	172438	10.60	ng	0.00
7) Phenol-d6	6.50	99	224036	11.01	ng	-0.01
23) Nitrobenzene-d5	7.42	82	118902	7.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	49829	8.65	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	292889	8.04	ng	0.00
79) Terphenyl-d14	12.96	244	240191	7.55	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.16	128	256836	4.932	ng	97
37) 2-Methylnaphthalene	8.86	142	90856	2.569	ng	98
52) Acenaphthene	9.93	154	148198	4.750	ng	98
55) Dibenzofuran	10.10	168	188361	3.992	ng	99
58) Fluorene	10.45	166	251999	7.149	ng	99
71) Phenanthrene	11.41	178	1381795	31.080	ng	99
72) Anthracene	11.46	178	389656	8.652	ng	99
73) Carbazole	11.61	167	113062	2.506	ng	100
75) Fluoranthene	12.60	202	1280990	27.290	ng	99
78) Pyrene	12.83	202	1034461	23.176	ng	99
81) Benzo(a)anthracene	14.02	228	543474	14.010	ng	99
83) Chrysene	14.05	228	415250	11.313	ng	96
86) Indeno(1,2,3-cd)pyrene	16.98	276	183661	5.424	ng	93
88) Benzo(b)fluoranthene	15.07	252	510637m	14.899	ng	
89) Benzo(k)fluoranthene	15.10	252	202508m	6.105	ng	
90) Benzo(a)pyrene	15.44	252	369896	11.768	ng	96
92) Benzo(a,h,i)perylene	17.43	276	164056	5.965	ng	98

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

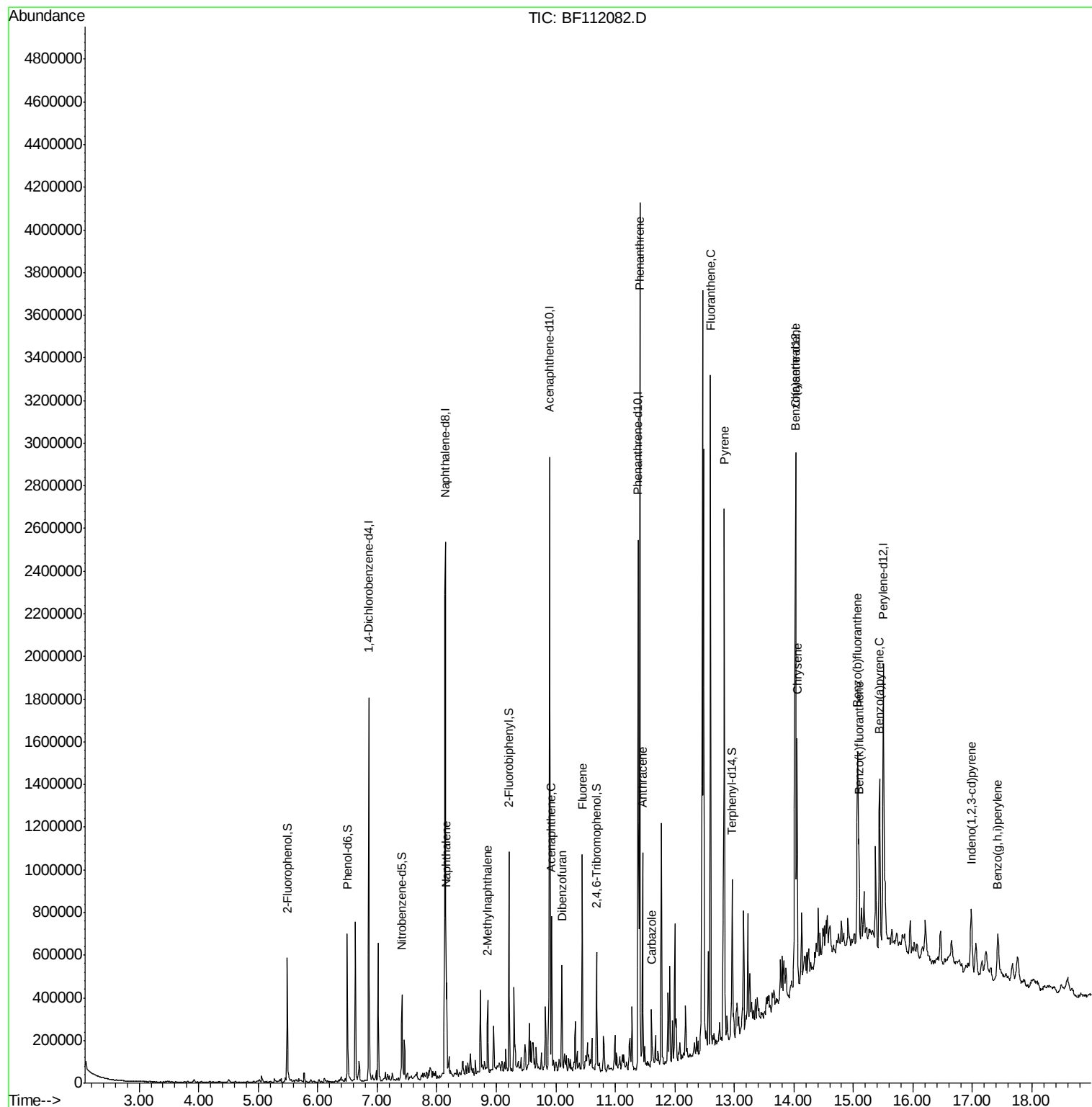
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
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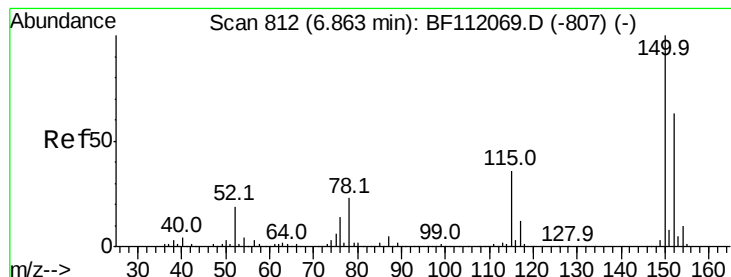
Instrument :
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#1

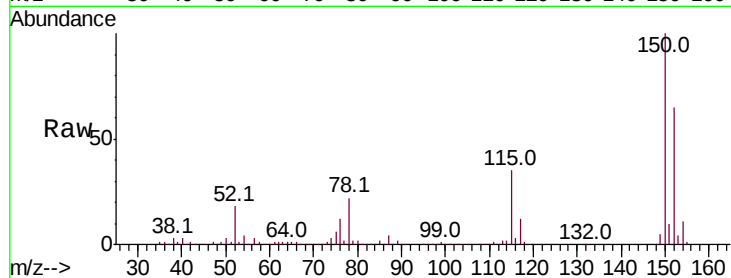
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF112082.D
Acq: 17 Jan 2019 12:02

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	127.4	191.0
115	53.3	45.5	68.3

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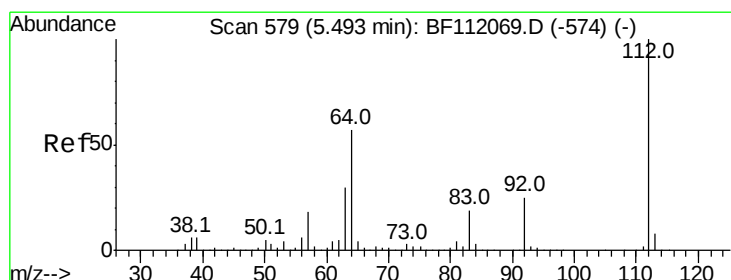
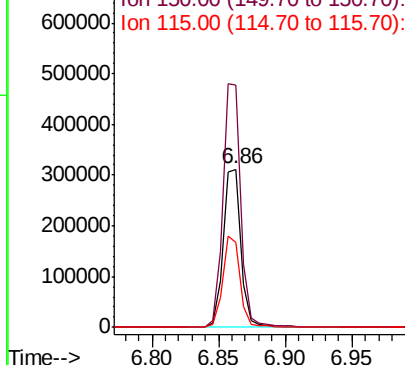
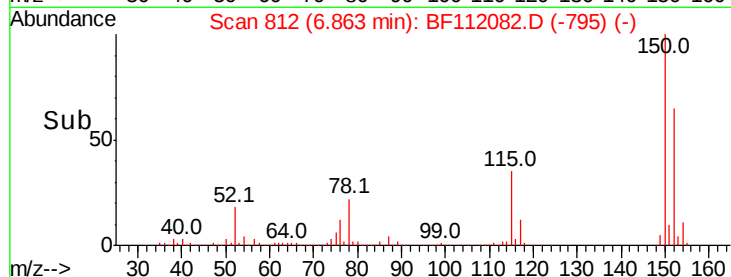


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

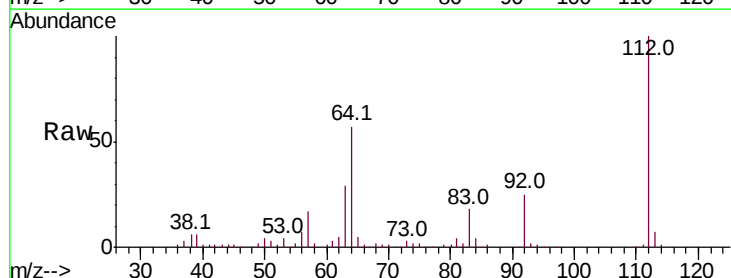
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 10.599 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF112082.D
Acq: 17 Jan 2019 12:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.7	68.5
63	29.2	23.6	35.4

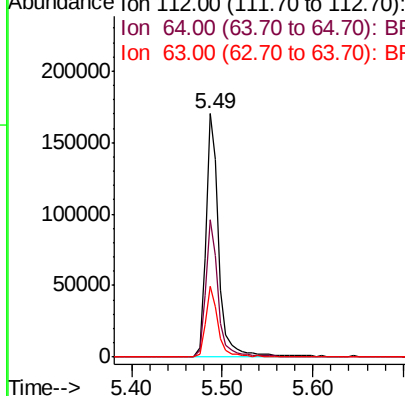
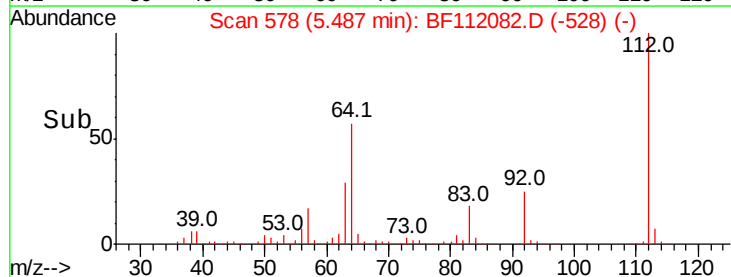


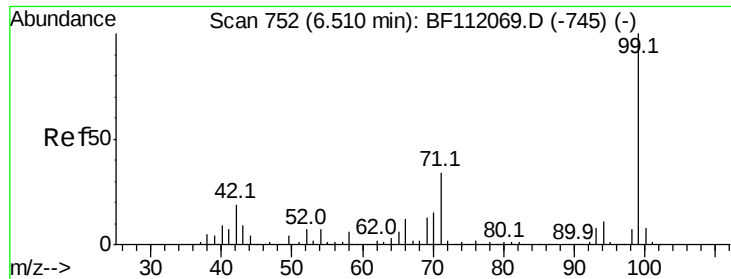
Abundance

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: 11.006 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112082.D

Acq: 17 Jan 2019 12:02

Instrument :

BNA_F

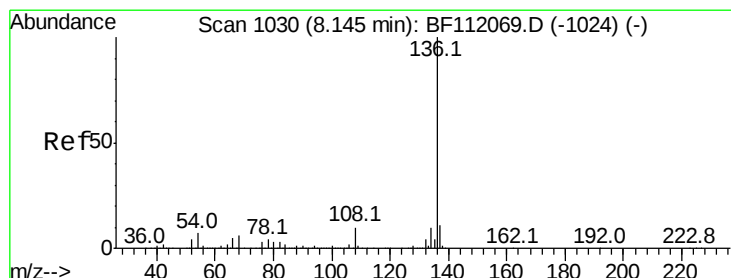
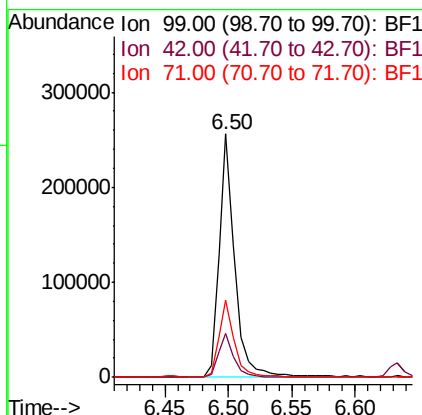
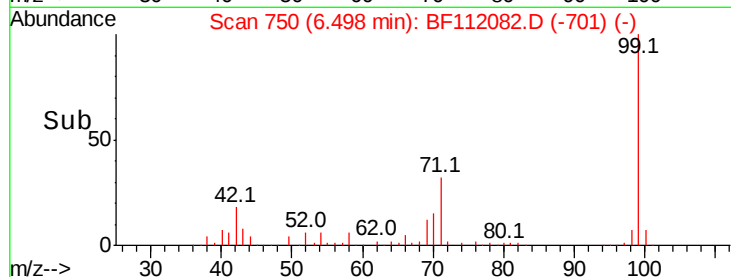
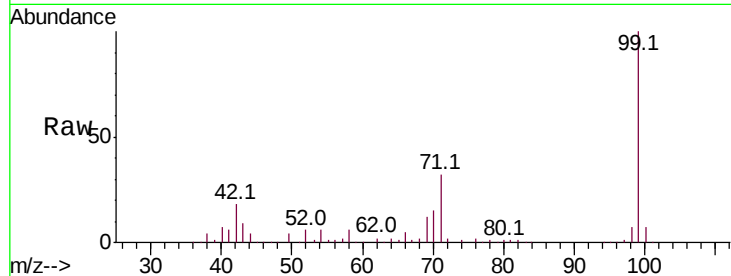
ClientSampleId :

EO-01-011518-A

Tot Ion:	99	Resp:	224036
Ion Ratio	Lower	Upper	
99	100		
42	17.9	15.1	22.7
71	31.6	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

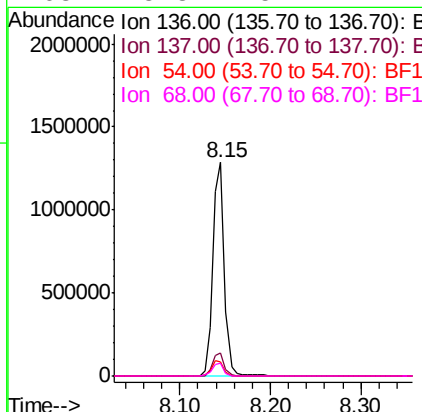
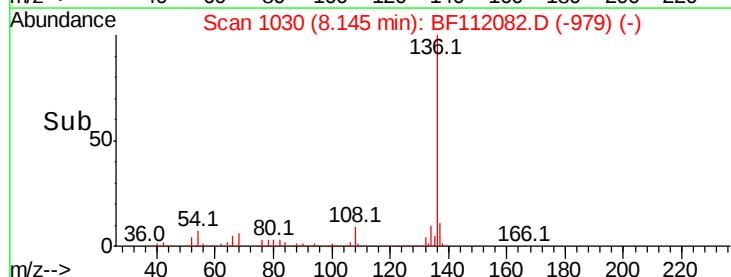
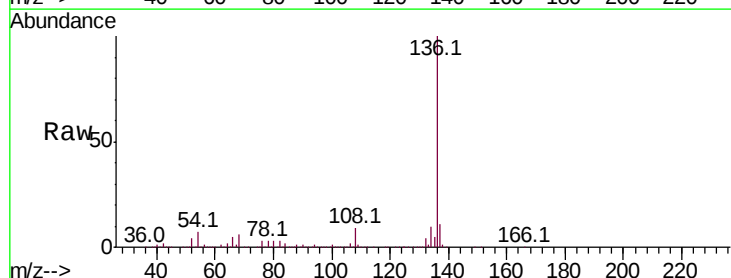
RT: 8.15 min Scan# 1030

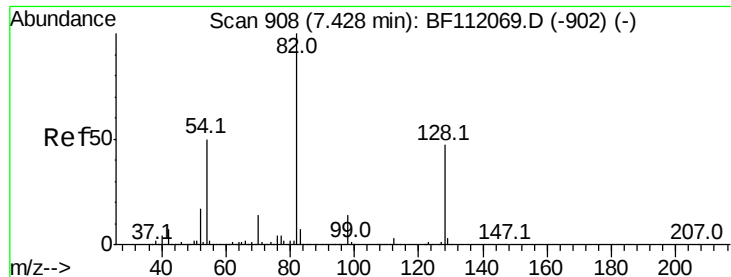
Delta R.T. -0.00 min

Lab File: BF112082.D

Acq: 17 Jan 2019 12:02

Tgt Ion:	136	Resp:	1144891
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.1	13.7
54	6.7	5.9	8.9
68	5.8	5.1	7.7





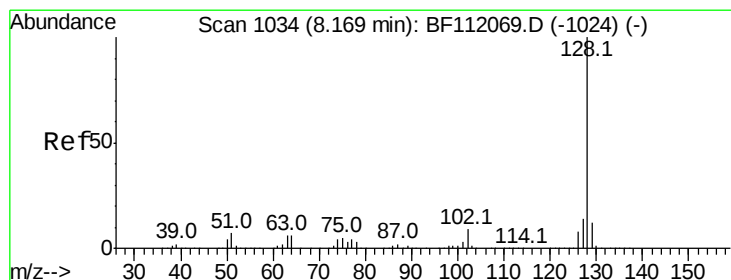
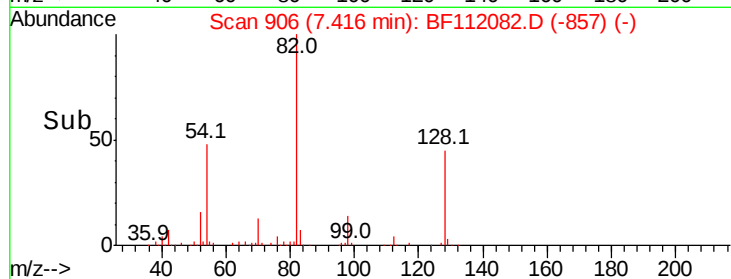
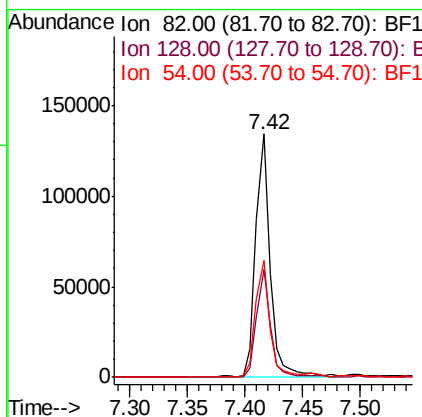
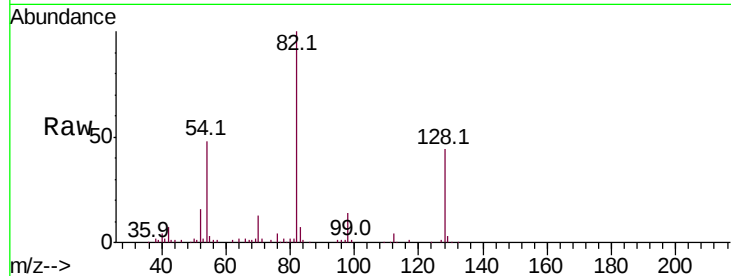
#23
Nitrobenzene-d5
Concen: 7.175 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF112082.D
Acq: 17 Jan 2019 12:02

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	37.8	56.8
54	47.9	39.7	59.5

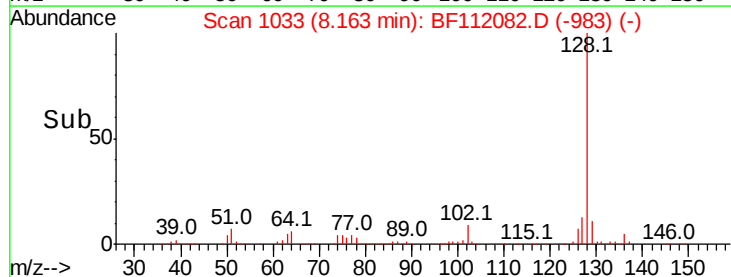
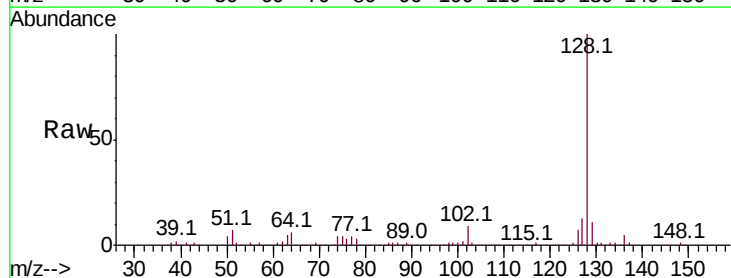
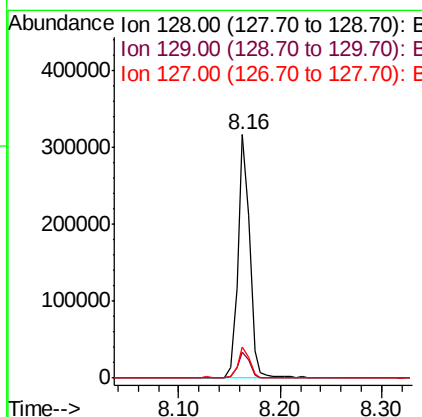
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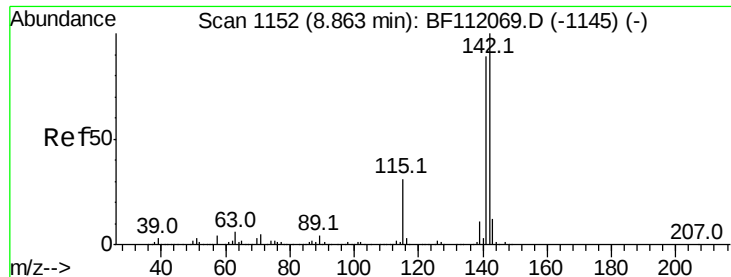
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#31
Naphthalene
Concen: 4.932 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF112082.D
Acq: 17 Jan 2019 12:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.6	14.4
127	12.9	11.1	16.7





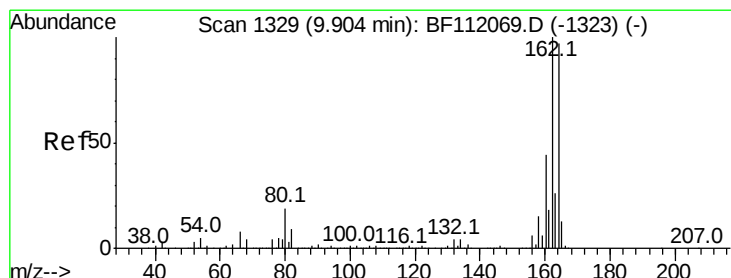
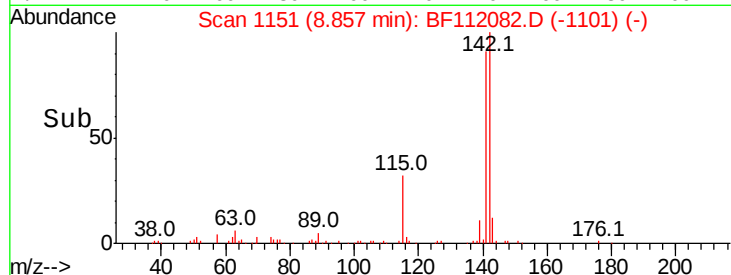
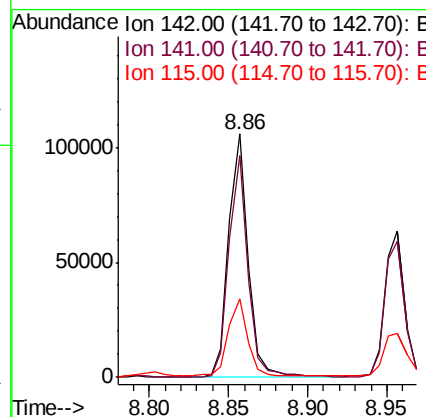
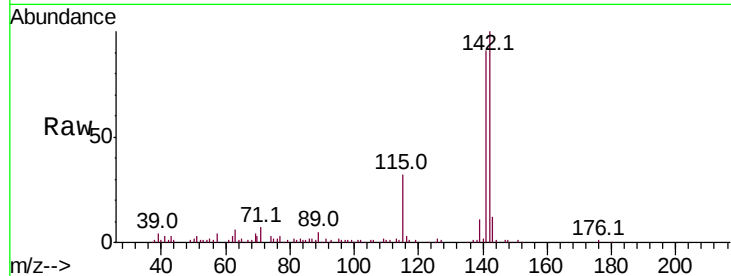
#37
2-Methylnaphthalene
Concen: 2.569 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF112082.D
Acq: 17 Jan 2019 12:02

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

Tot Ion	Ratio	Resp	Lower	Upper
142	100	90856		
141	91.0		70.9	106.3
115	32.2		24.9	37.3

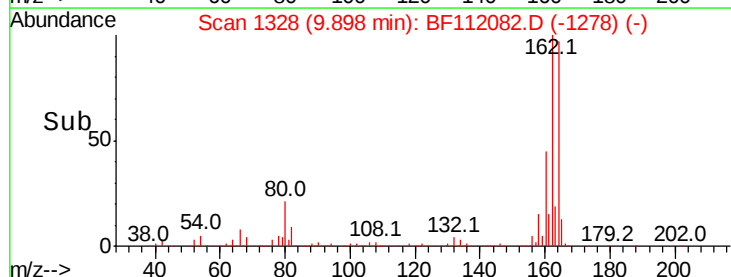
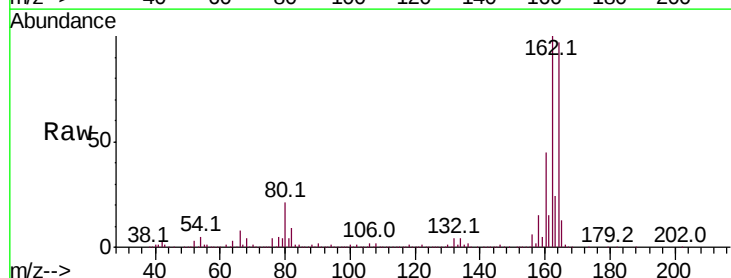
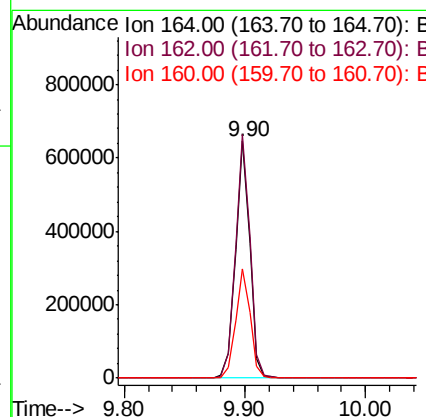
Manual Integrations
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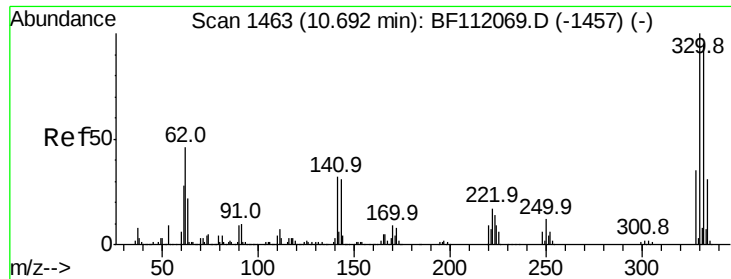
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF112082.D
Acq: 17 Jan 2019 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	533846		
162	102.7		82.2	123.4
160	46.2		36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 8.652 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF112082.D

Acq: 17 Jan 2019 12:02

Instrument :

BNA_F

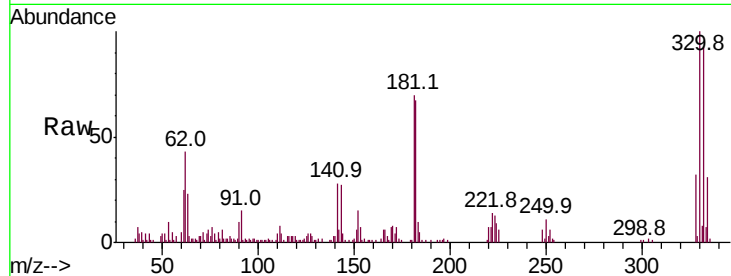
ClientSampleId :

EO-01-011518-A

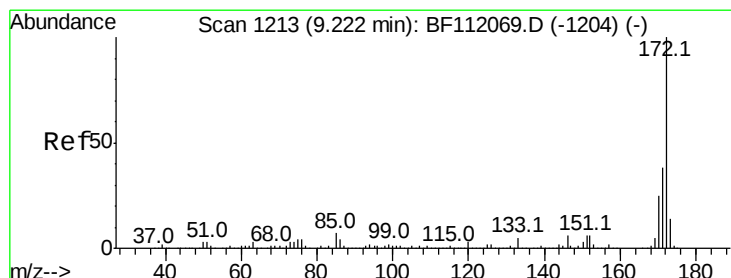
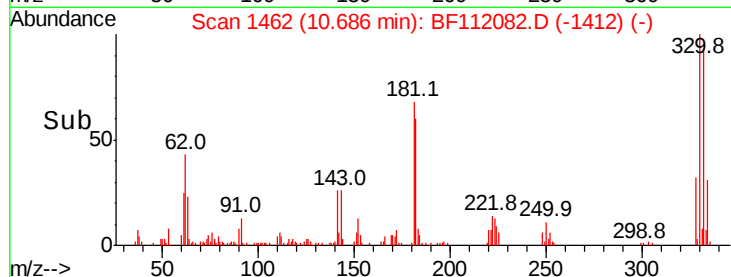
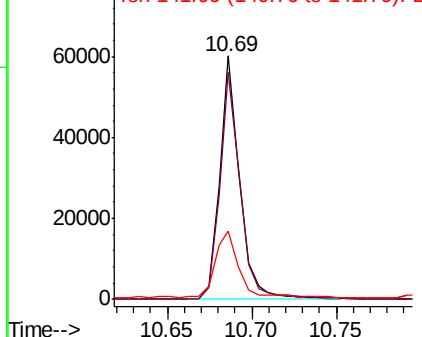
Tot Ion:	330	Resp:	49829
Ion Ratio	Lower	Upper	
330	100		
332	95.3	76.6	114.8
141	31.6	24.3	36.5

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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



#45

2-Fluorobiphenyl

Concen: 8.044 ng

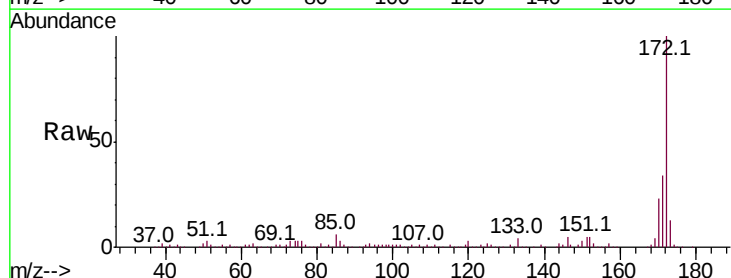
RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

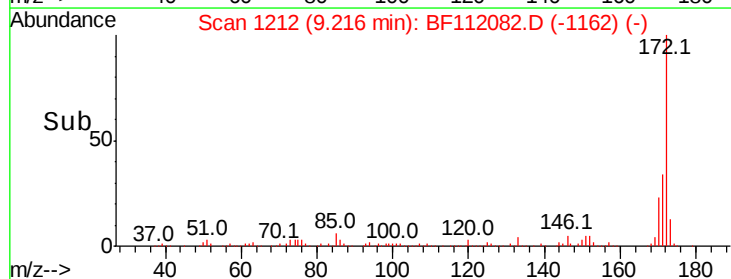
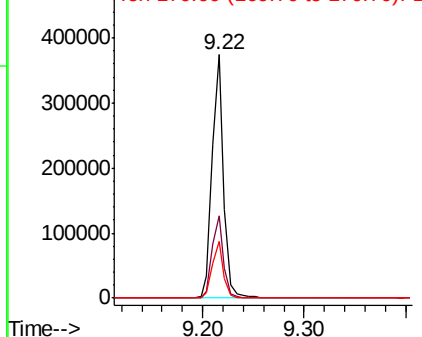
Lab File: BF112082.D

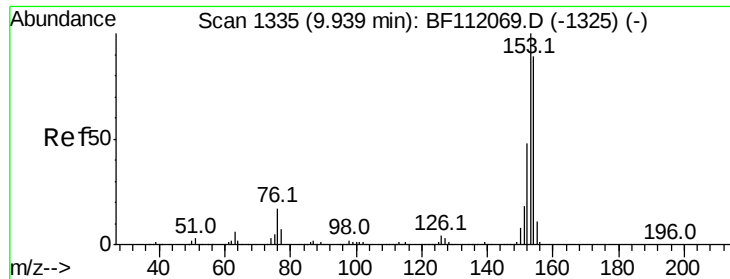
Acq: 17 Jan 2019 12:02

Tgt Ion:	172	Resp:	292889
Ion Ratio	Lower	Upper	
172	100		
171	34.0	30.5	45.7
170	23.3	20.2	30.4



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





#52

Acenaphthene

Concen: 4.750 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF112082.D

Acq: 17 Jan 2019 12:02

Instrument :

BNA_F

ClientSampleId :

EO-01-011518-A

Tot Ion:154 Resp: 148198

Ion Ratio Lower Upper

154 100

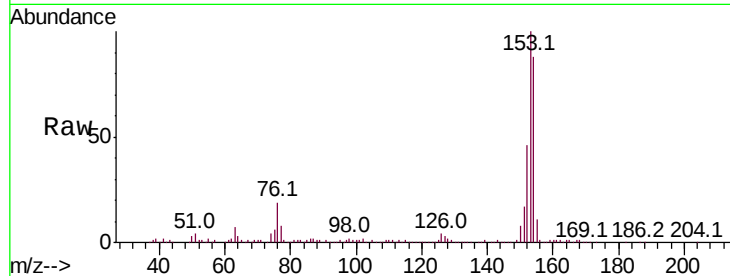
153 113.1 89.8 134.6

152 52.4 43.5 65.3

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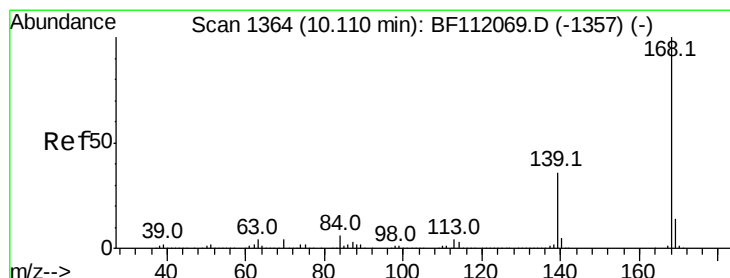
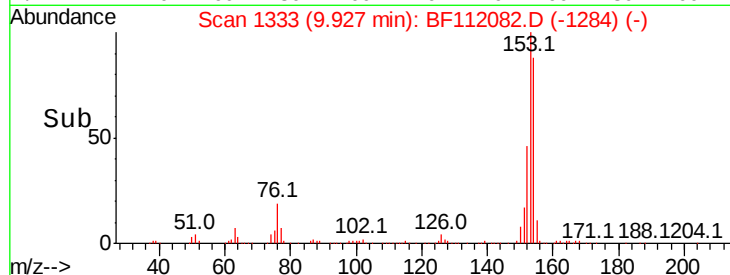
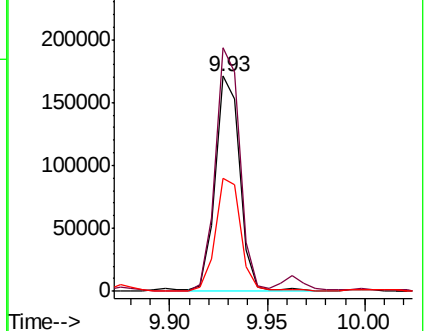
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 3.992 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF112082.D

Acq: 17 Jan 2019 12:02

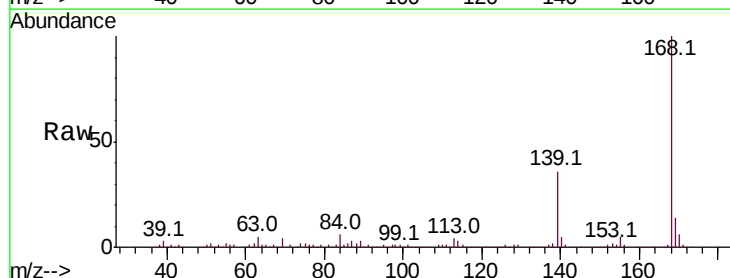
Tgt Ion:168 Resp: 188361

Ion Ratio Lower Upper

168 100

139 35.8 29.2 43.8

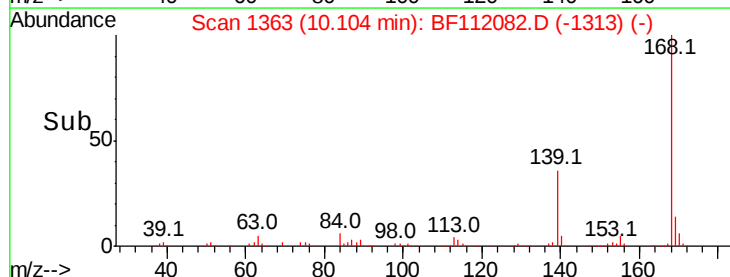
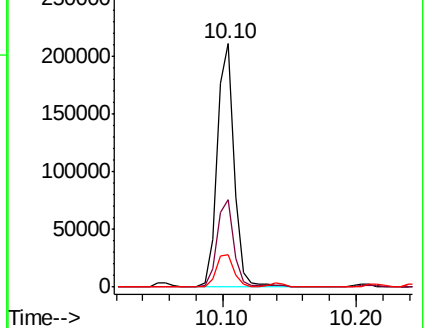
169 13.5 11.4 17.0

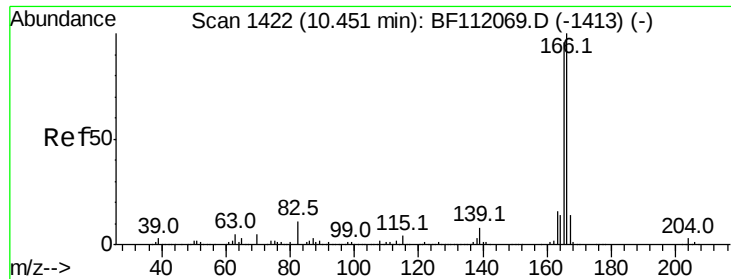


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





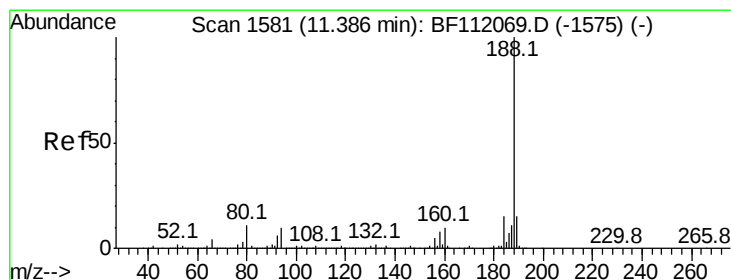
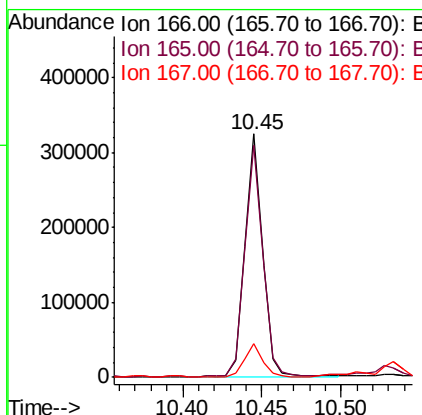
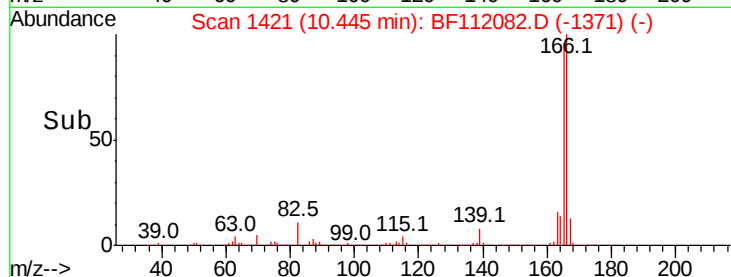
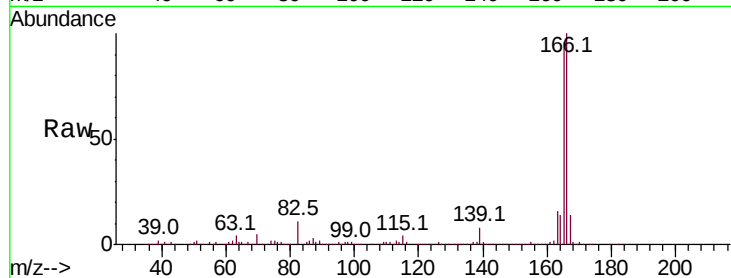
#58
Fluorene
Concen: 7.149 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF112082.D
Acq: 17 Jan 2019 12:02

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

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	95.6	77.1	115.7	
167	13.6	11.3	16.9	

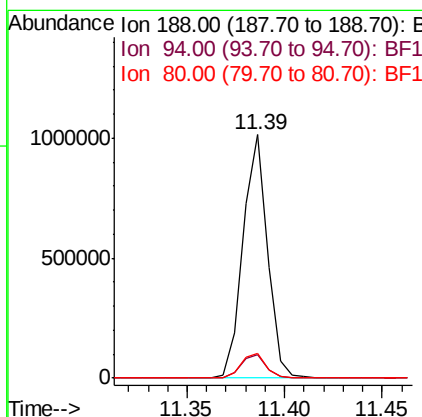
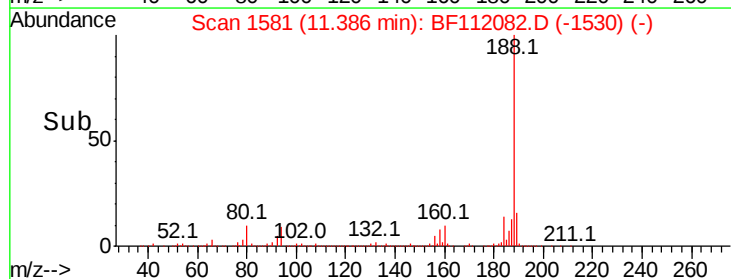
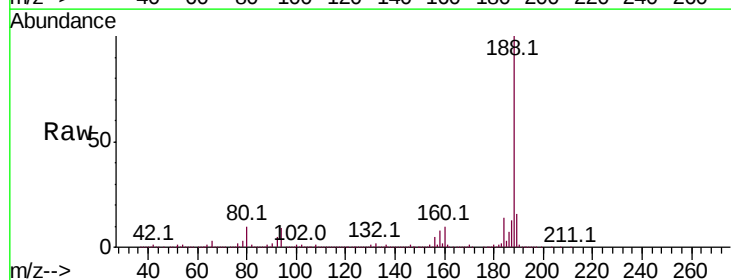
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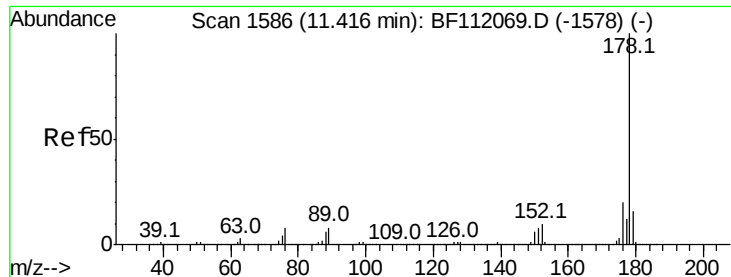
Sohil
1/17/2019 2:55:40 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF112082.D
Acq: 17 Jan 2019 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.4	8.2	12.2	
80	10.0	8.9	13.3	





#71

Phenanthrene

Concen: 31.080 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF112082.D

Acq: 17 Jan 2019 12:02

Instrument :

BNA_F

ClientSampleId :

EO-01-011518-A

Tot Ion:178 Resp: 1381795

Ion Ratio Lower Upper

178 100

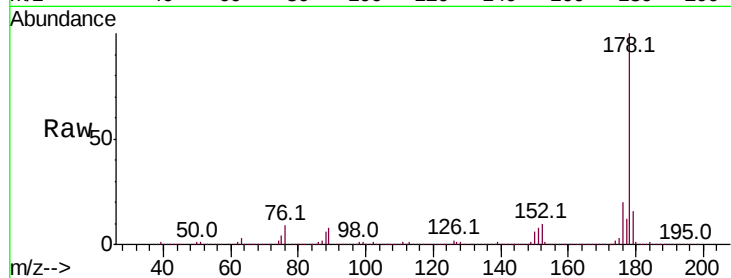
176 20.0 16.3 24.5

179 15.9 13.0 19.4

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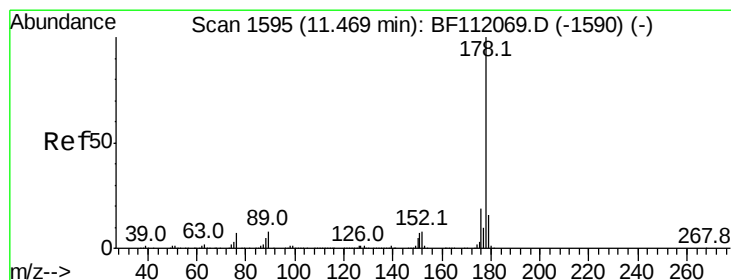
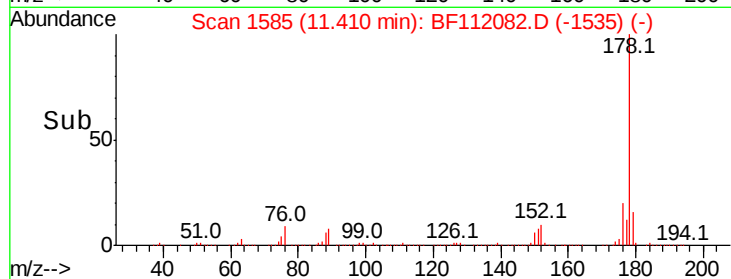
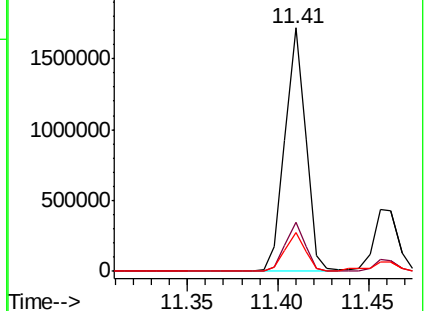
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 8.652 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF112082.D

Acq: 17 Jan 2019 12:02

Tgt Ion:178 Resp: 389656

Ion Ratio Lower Upper

178 100

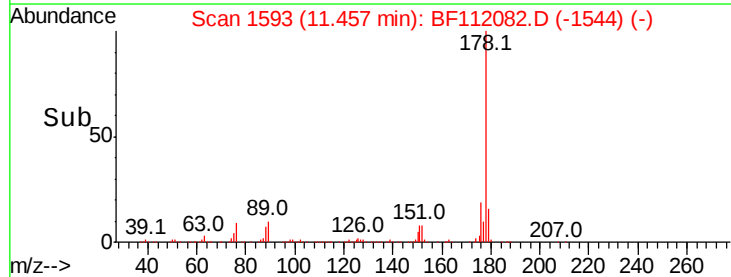
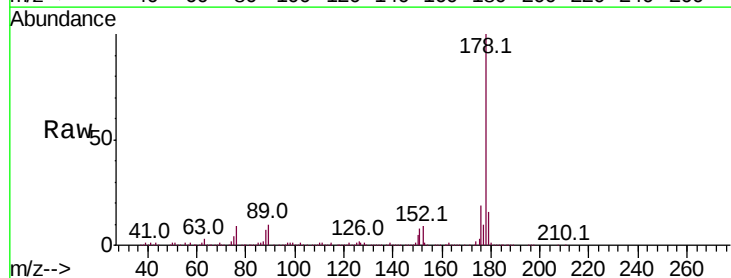
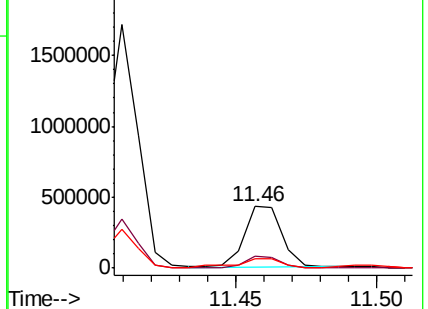
176 18.7 15.5 23.3

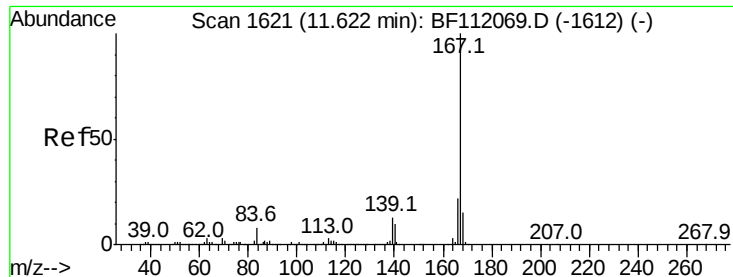
179 15.8 12.8 19.2

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





#73

Carbazole

Concen: 2.506 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BF112082.D

Acq: 17 Jan 2019 12:02

Instrument :

BNA_F

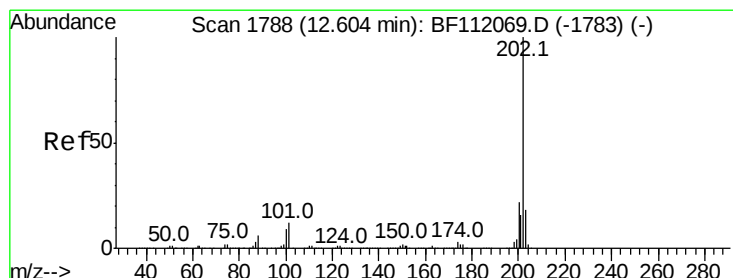
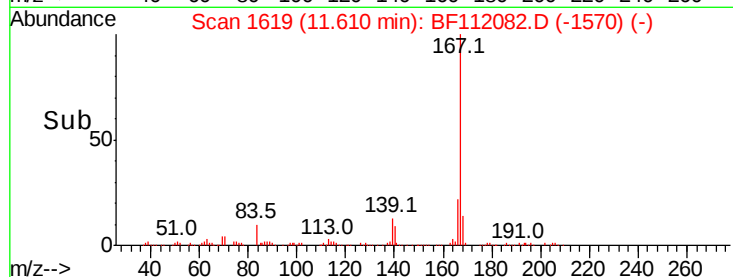
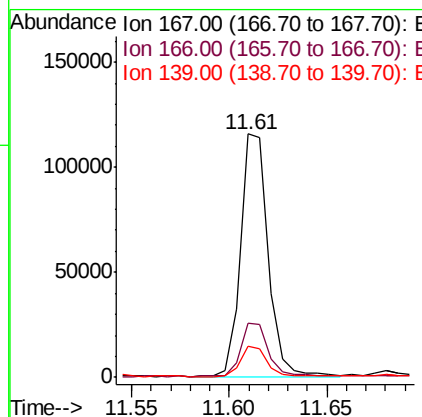
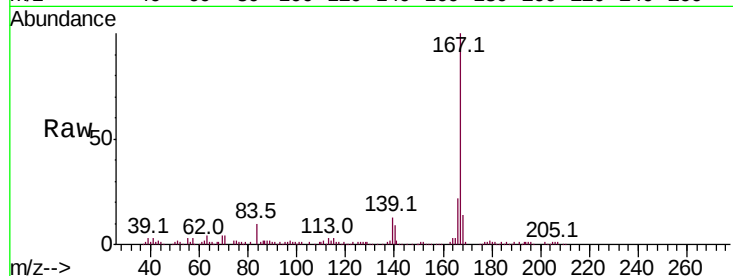
ClientSampleId :

EO-01-011518-A

Tot Ion:	167	Resp:	113062
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.9	26.9
139	12.9	10.2	15.2

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#75

Fluoranthene

Concen: 27.290 ng

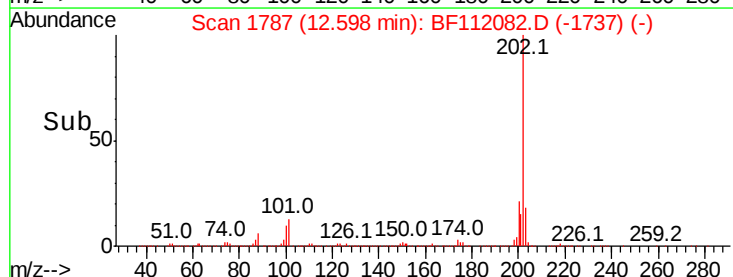
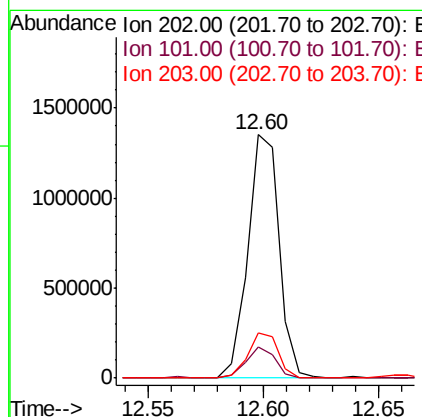
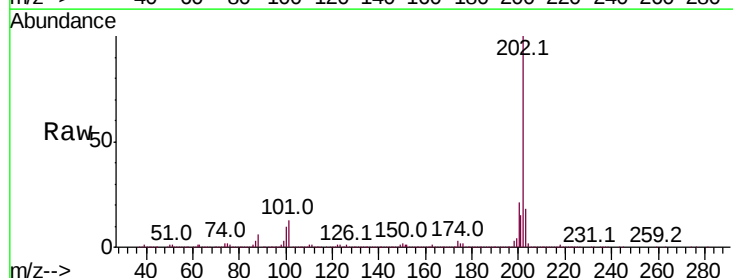
RT: 12.60 min Scan# 1787

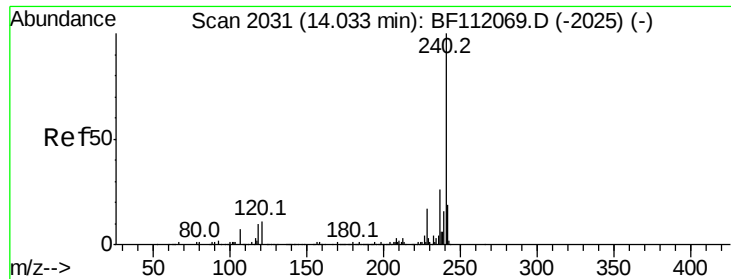
Delta R.T. -0.01 min

Lab File: BF112082.D

Acq: 17 Jan 2019 12:02

Tgt Ion:	202	Resp:	1280990
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	31.8
203	18.4	0.0	38.4





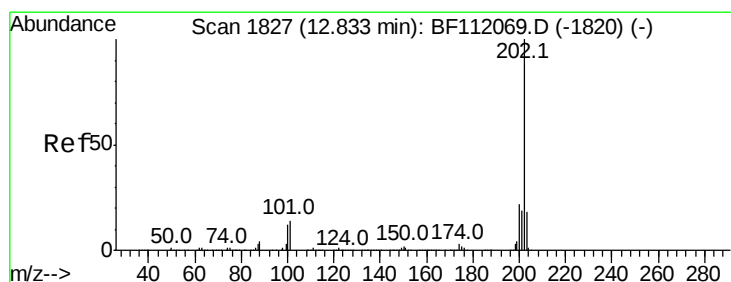
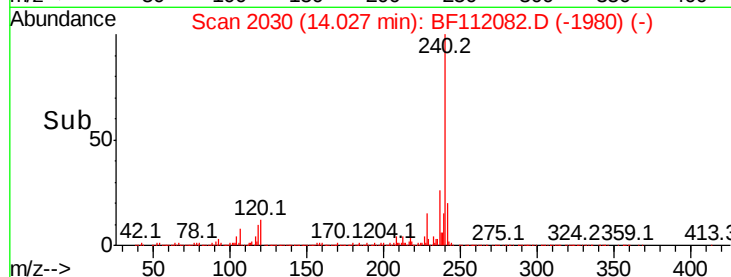
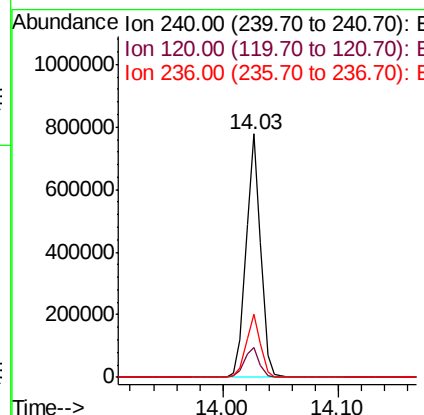
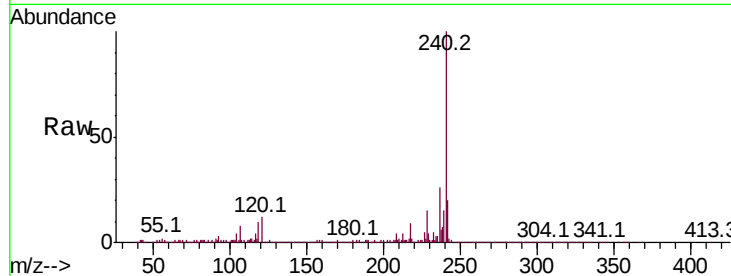
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112082.D
Acq: 17 Jan 2019 12:02

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.0	13.6
236	26.1	20.7	31.1

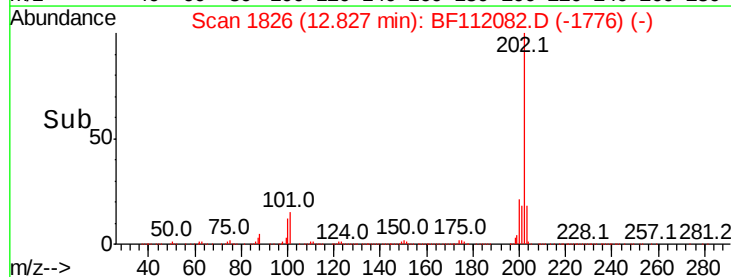
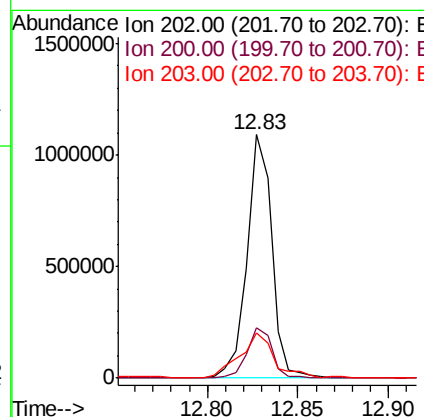
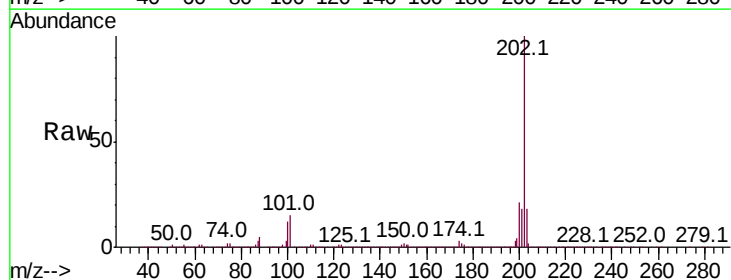
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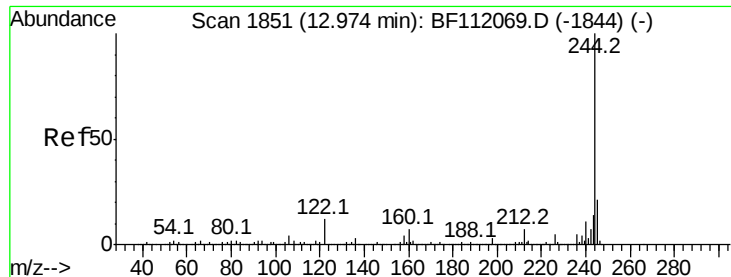
Sohil
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#78
Pyrene
Concen: 23.176 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF112082.D
Acq: 17 Jan 2019 12:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.7	26.5
203	18.4	14.6	22.0





#79

Terphenyl-d14

Concen: 7.553 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF112082.D

Acq: 17 Jan 2019 12:02

Instrument :

BNA_F

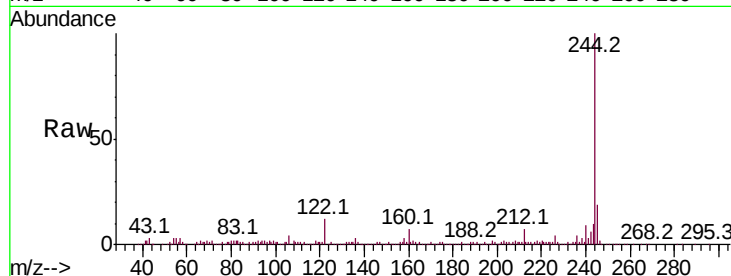
ClientSampleId :

EO-01-011518-A

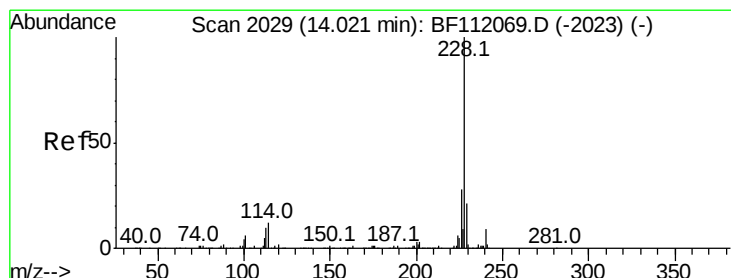
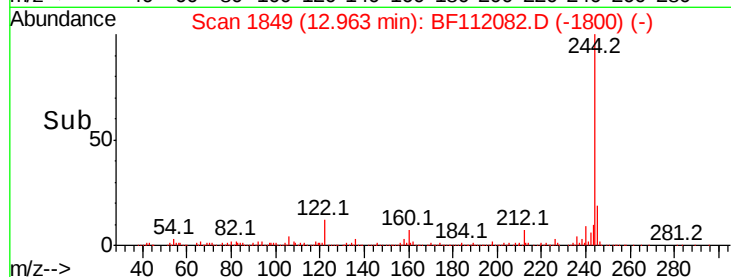
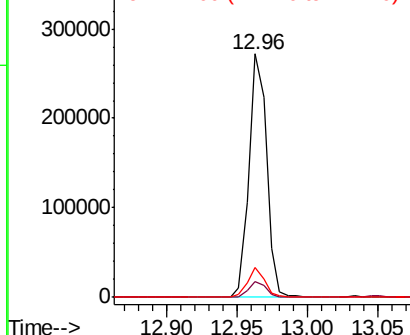
Tot Ion:	244	Resp:	240191
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.9	8.9
122	12.3	9.8	14.6

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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: 14.010 ng

RT: 14.02 min Scan# 2028

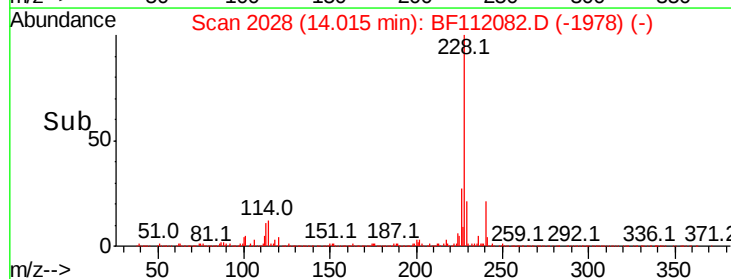
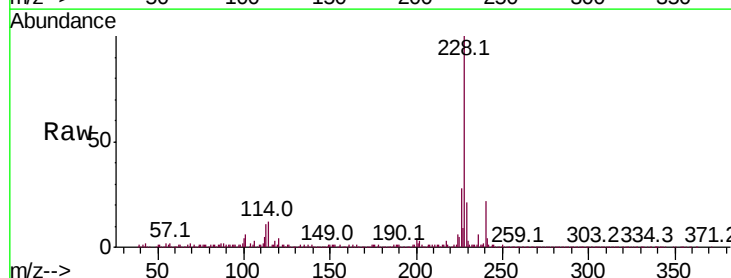
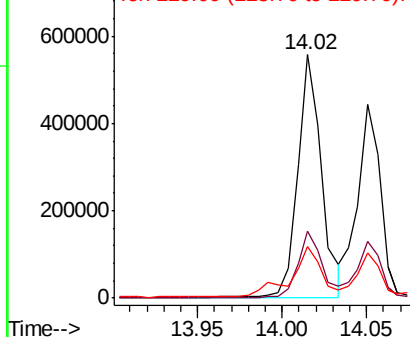
Delta R.T. -0.01 min

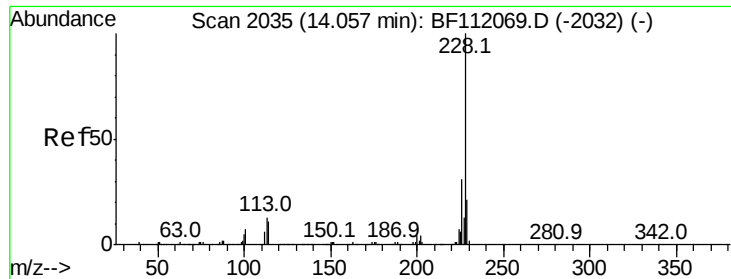
Lab File: BF112082.D

Acq: 17 Jan 2019 12:02

Tgt Ion:	228	Resp:	543474
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.6	34.0
229	21.3	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





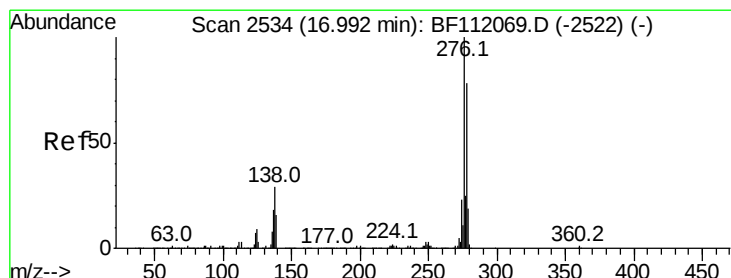
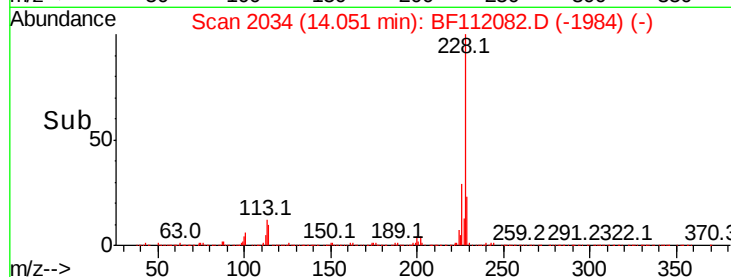
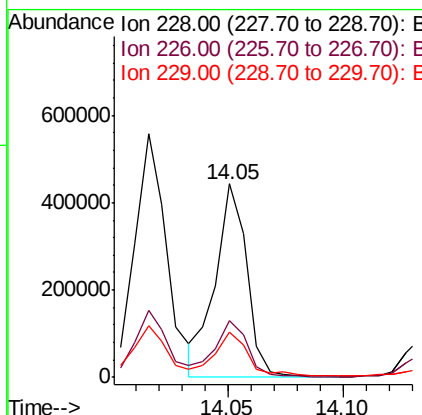
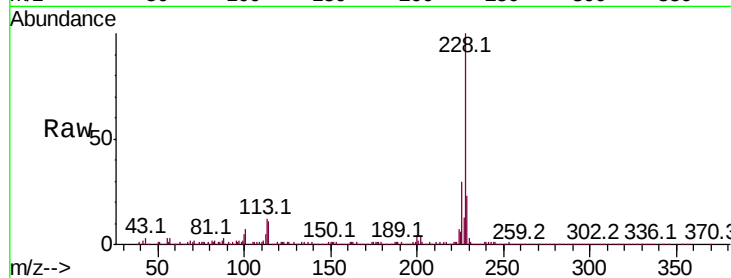
#83
Chrysene
Concen: 11.313 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF112082.D
Acq: 17 Jan 2019 12:02

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	23.4	16.6	24.8

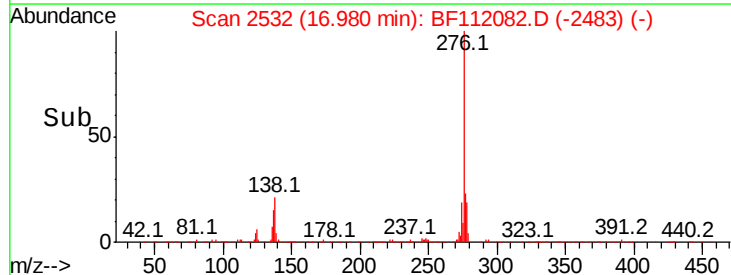
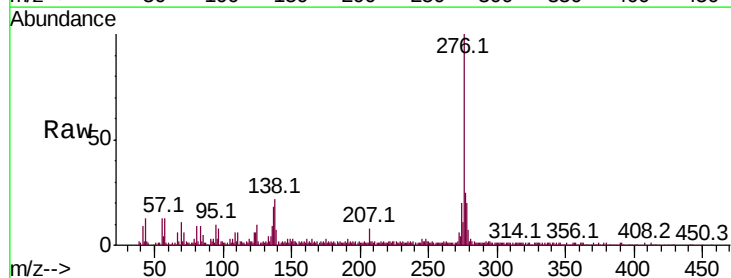
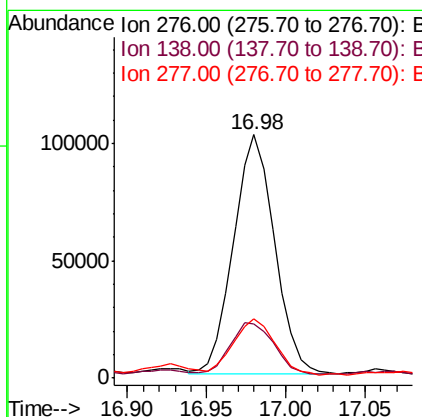
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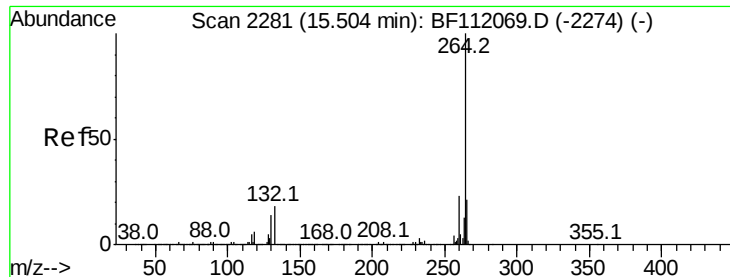
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.424 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF112082.D
Acq: 17 Jan 2019 12:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	22.6	34.0
277	24.1	20.3	30.5





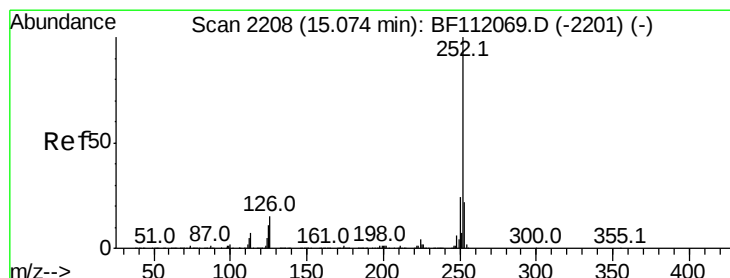
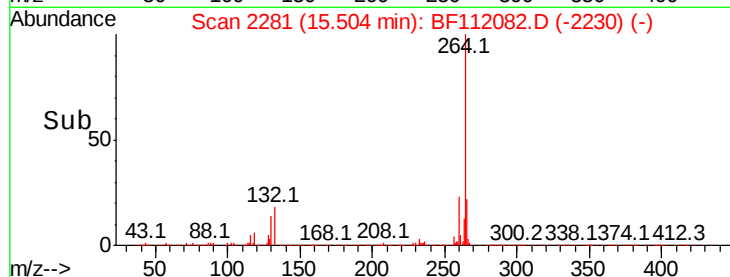
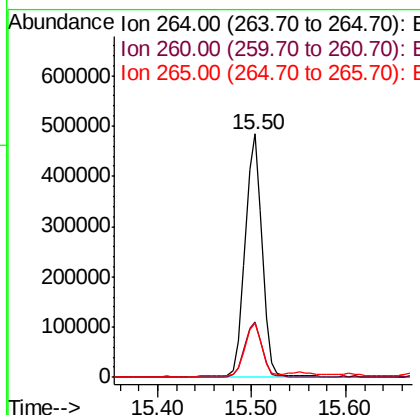
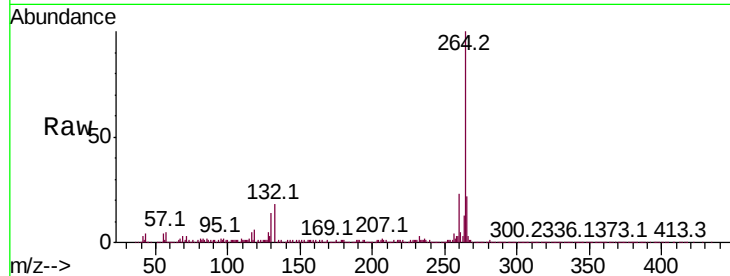
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF112082.D
Acq: 17 Jan 2019 12:02

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.2	27.2
265	22.4	17.0	25.4

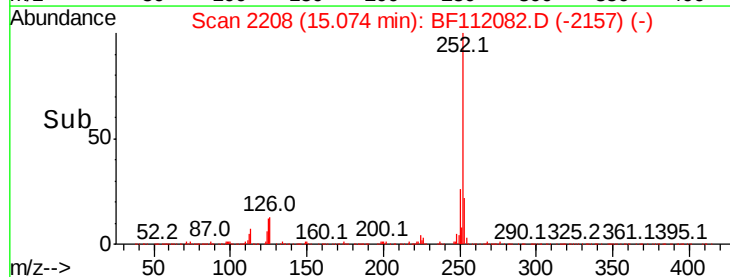
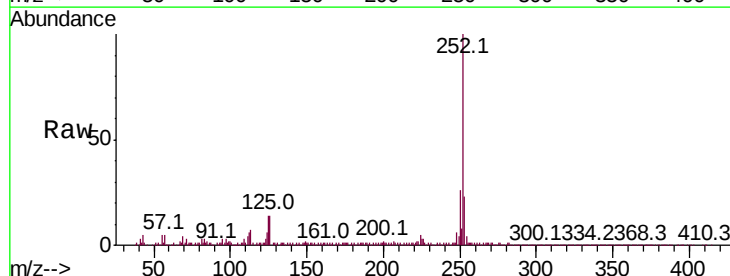
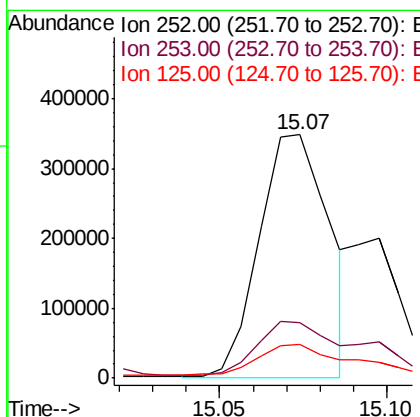
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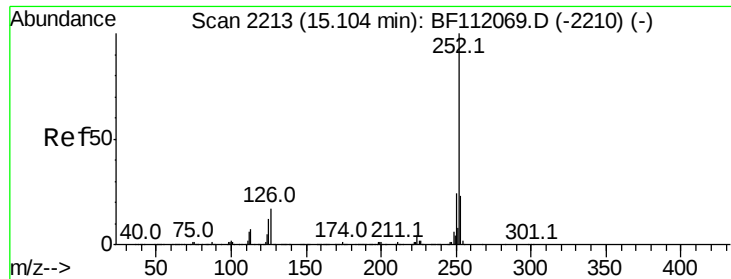
Sohil
1/17/2019 2:55:40 PM



#88
Benzo(b)fluoranthene
Concen: 14.899 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF112082.D
Acq: 17 Jan 2019 12:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	13.7	8.7	13.1#





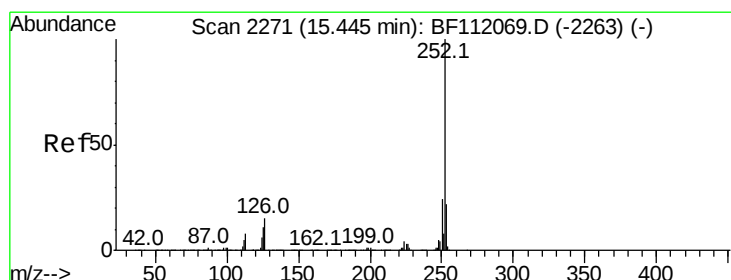
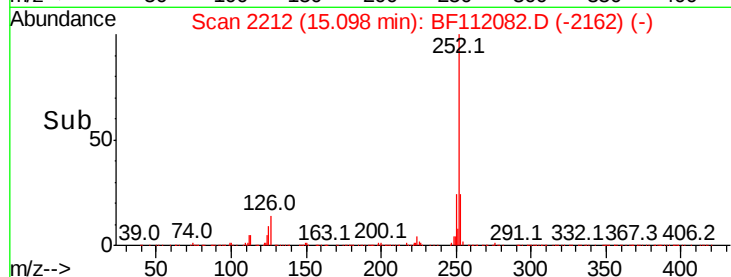
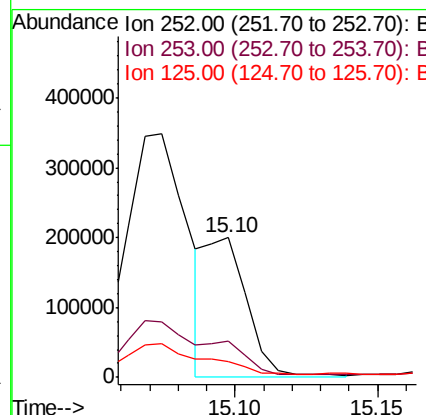
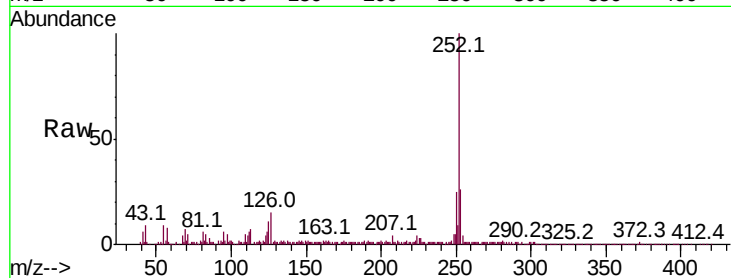
#89
Benzo(k)fluoranthene
Concen: 6.105 ng/mL
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF112082.D
Acq: 17 Jan 2019 12:02

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.0	27.0
125	11.2	9.1	13.7

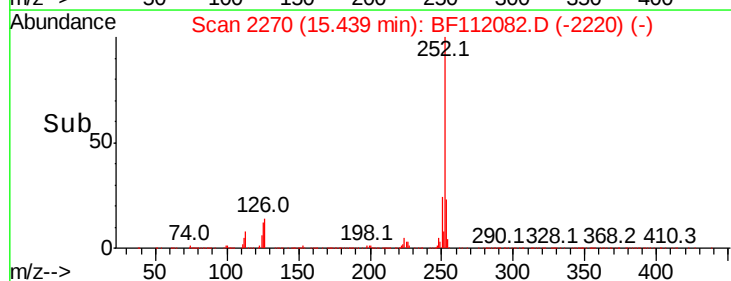
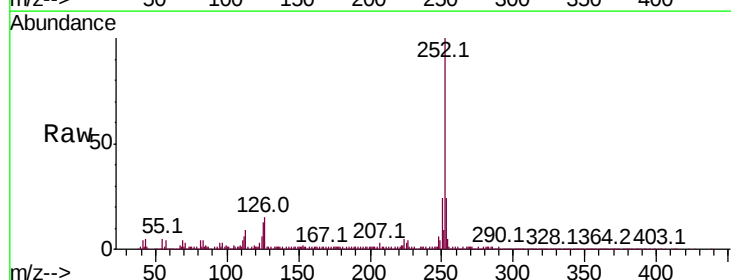
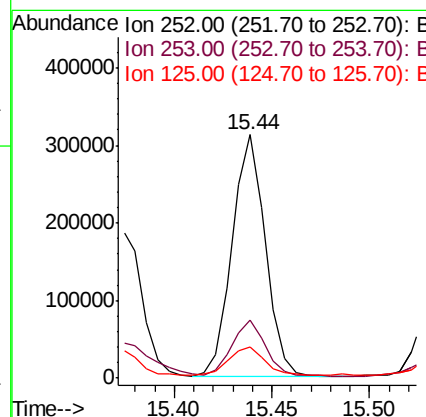
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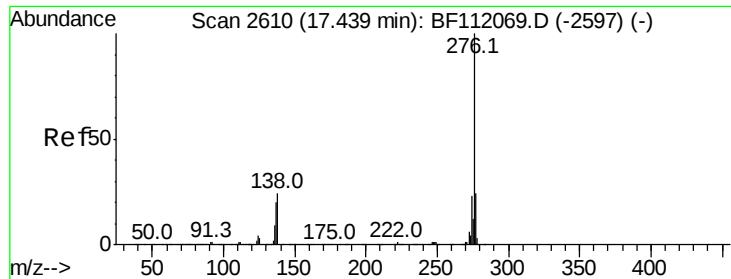
Sohil
1/17/2019 2:55:40 PM



#90
Benzo(a)pyrene
Concen: 11.768 ng/mL
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF112082.D
Acq: 17 Jan 2019 12:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	13.0	9.0	13.4





#92
 Benzo(a,h,i)perylene
 Concen: 5.965 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. -0.01 min
 Lab File: BF112082.D
 Acq: 17 Jan 2019 12:02

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

Tot Ion:	276	Resp:	164056
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.4	29.0
138	25.6	19.1	28.7

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 1/17/2019 2:55:40 PM

