

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113212.D
 Acq On : 21 Mar 2019 16:58
 Operator : JU/SJ
 Sample : K1694-03 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-032019-B

Manual Integrations
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 3/22/2019 3:35:54 PM

Quant Time: Mar 22 01:21:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	138639	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	570390	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	259767	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	468298	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	345257	20.00	ng	0.00
87) Perylene-d12	15.28	264	321764	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	70100	7.87	ng	-0.01
7) Phenol-d6	6.36	99	99007	8.84	ng	-0.01
23) Nitrobenzene-d5	7.28	82	57301	6.01	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	31670	11.48	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	124875	5.05	ng	-0.01
79) Terphenyl-d14	12.82	244	104168	5.85	ng	0.00
Target Compounds						
71) Phenanthrene	11.26	178	171494	7.360	ng	Qvalue 97
75) Fluoranthene	12.44	202	251570	10.078	ng	95
78) Pyrene	12.67	202	238314	8.188	ng	98
81) Benzo(a)anthracene	13.86	228	117097	4.894	ng	96
83) Chrysene	13.89	228	108908	4.646	ng	97
86) Indeno(1,2,3-cd)pyrene	16.64	276	52964	2.651	ng	# 89
88) Benzo(b)fluoranthene	14.88	252	128413m	6.170	ng	
89) Benzo(k)fluoranthene	14.90	252	49138m	2.607	ng	
90) Benzo(a)pyrene	15.22	252	98476	5.349	ng	98
92) Benzo(g,h,i)perylene	17.05	276	48942	3.103	ng	93

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

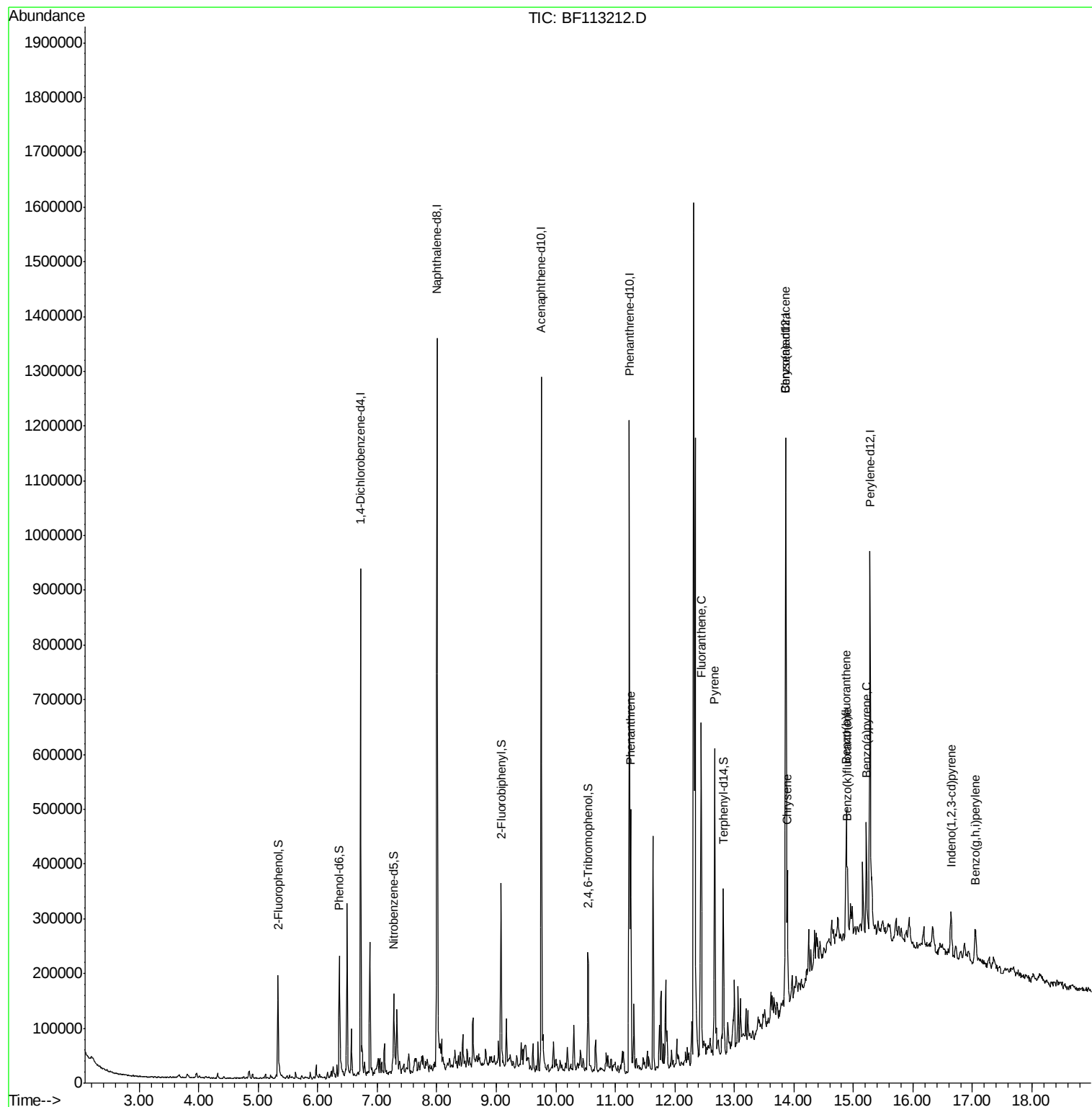
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113212.D
Acq On : 21 Mar 2019 16:58
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#1

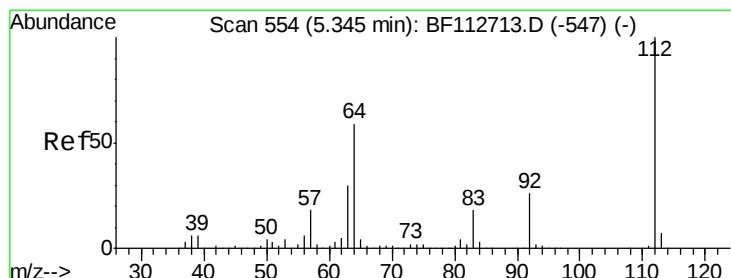
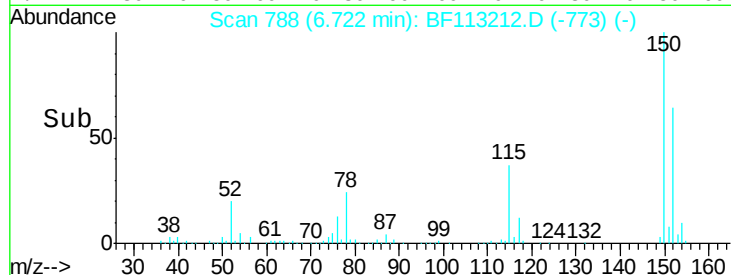
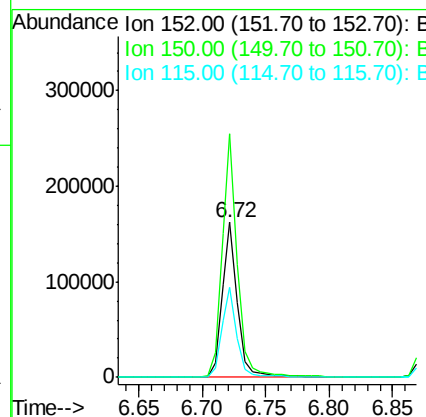
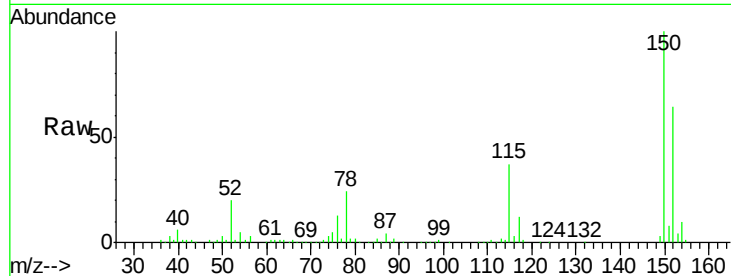
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

Instrument :
BNA_F
ClientSampleId :
EO-02-032019-B

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	138639		
150	156.9	124.2	186.2	
115	57.8	48.2	72.4	

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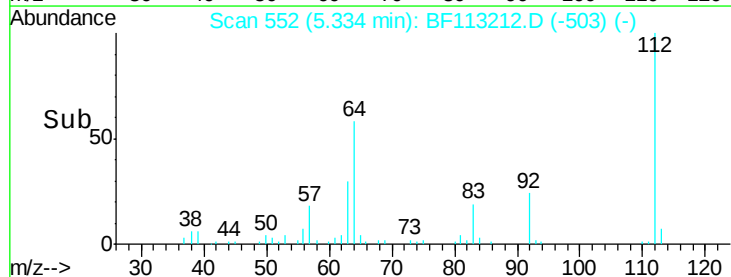
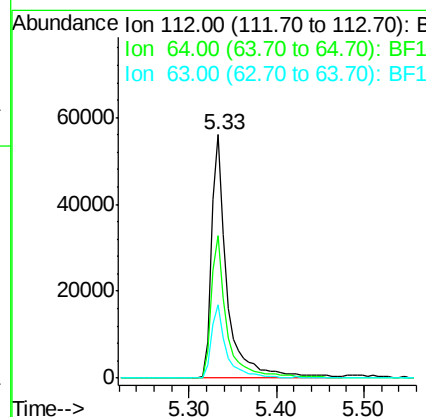
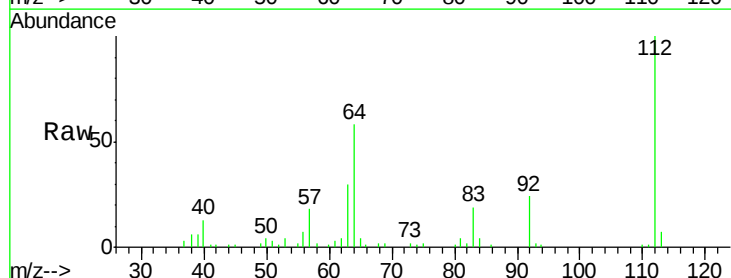
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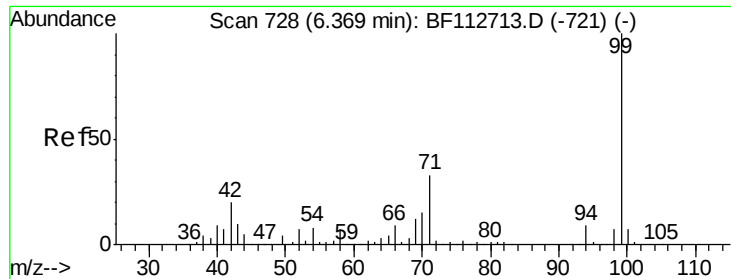


#5

2-Fluorophenol
Concen: 7.865 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	70100		
64	58.4	47.6	71.4	
63	30.0	24.4	36.6	





#7

Phenol-d6

Concen: 8.843 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Instrument :

BNA_F

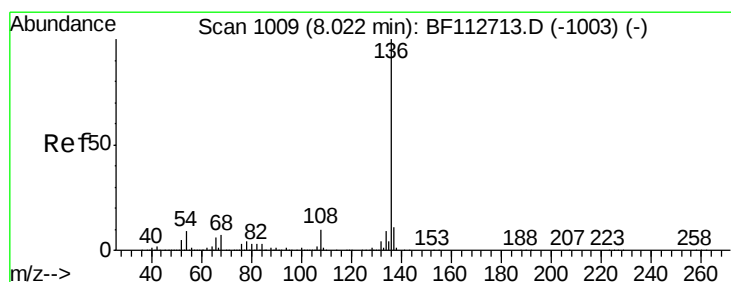
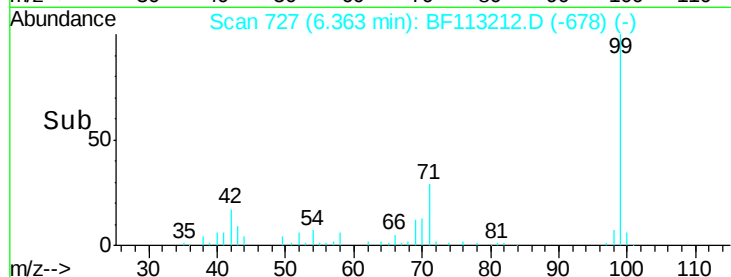
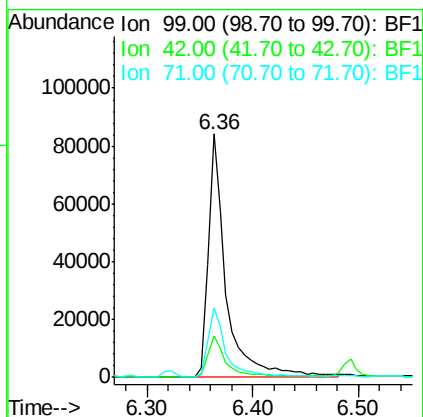
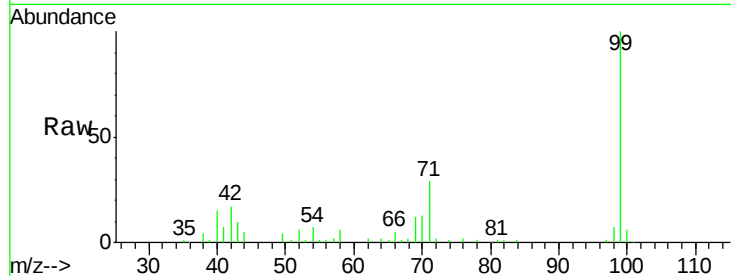
ClientSampleId :

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Tgt Ion:	99	Resp:	99007
Ion Ratio	Lower	Upper	
99	100		
42	17.2	16.3	24.5
71	28.5	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

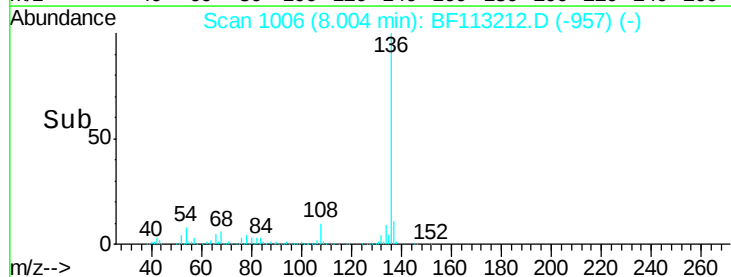
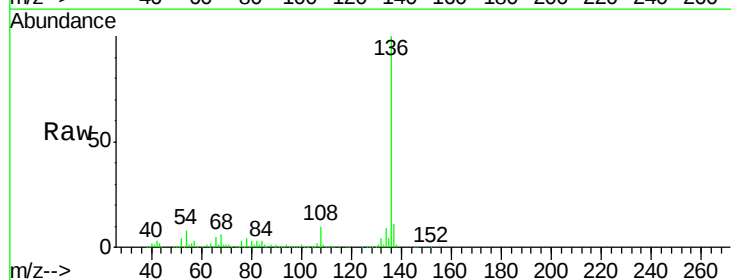
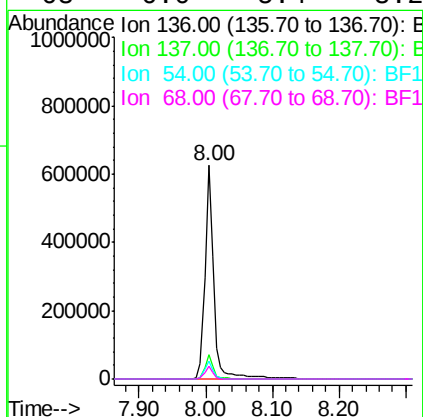
RT: 8.00 min Scan# 1006

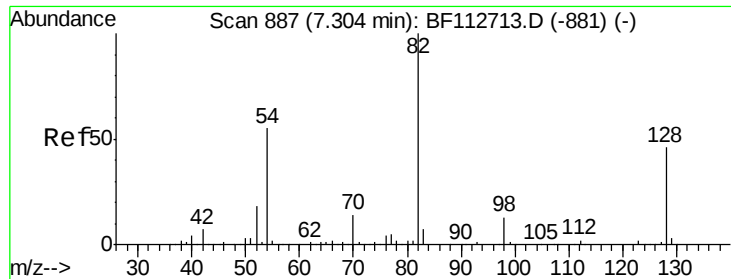
Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Tgt Ion:	136	Resp:	570390
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.2	7.3	10.9
68	6.0	5.4	8.2





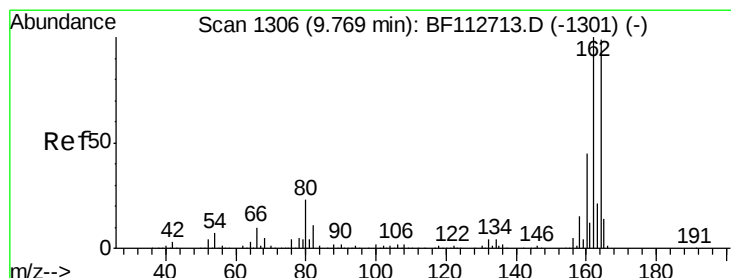
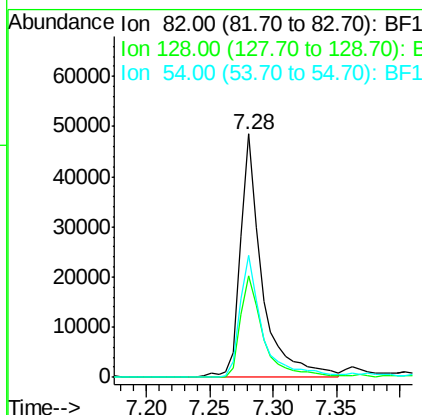
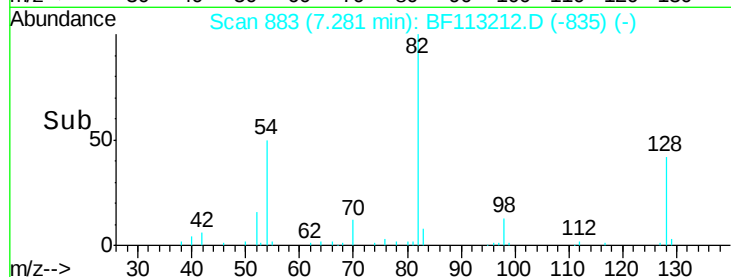
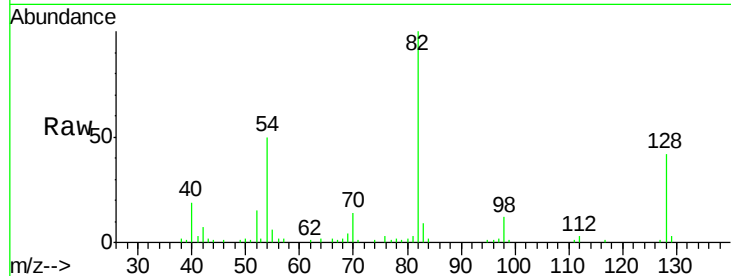
#23
Nitrobenzene-d5
Concen: 6.011 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

Instrument :
BNA_F
ClientSampleId :
EO-02-032019-B

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.9	36.3	54.5
54	50.2	43.7	65.5

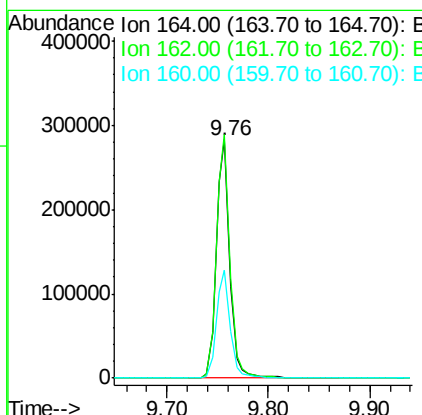
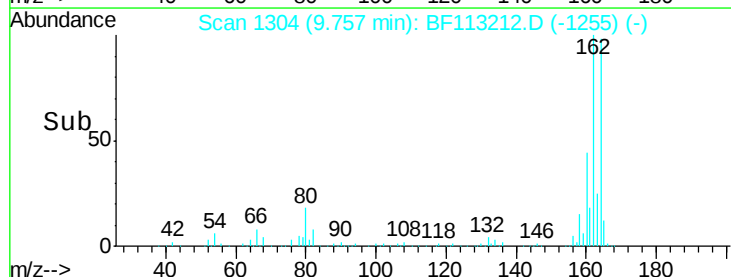
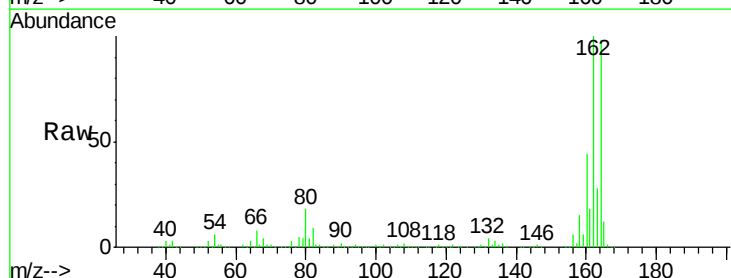
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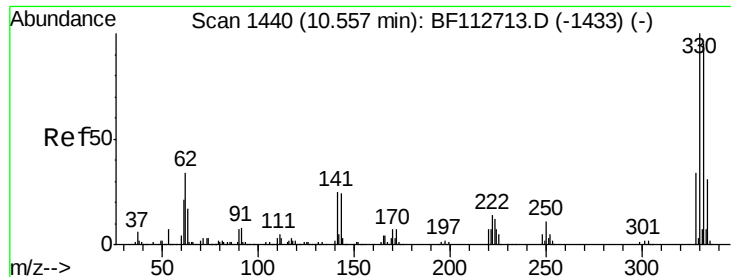
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.6	120.8
160	45.0	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 11.484 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Instrument :

BNA_F

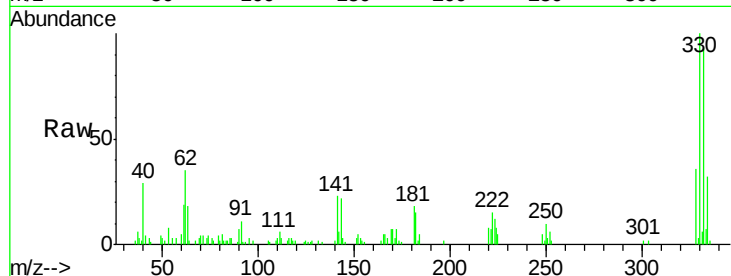
ClientSampleId :

EO-02-032019-B

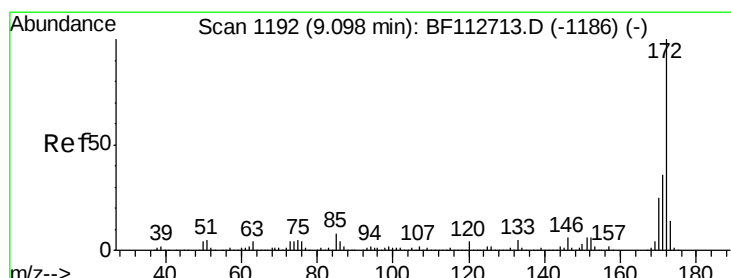
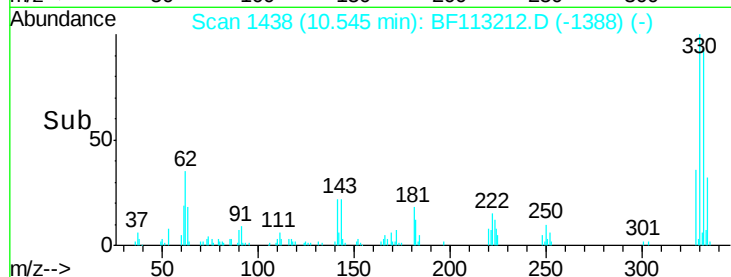
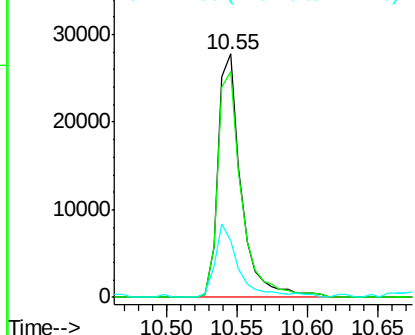
Tgt Ion:	330	Resp:	31670
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.2	114.4
141	31.1	27.0	40.6

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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: 5.050 ng

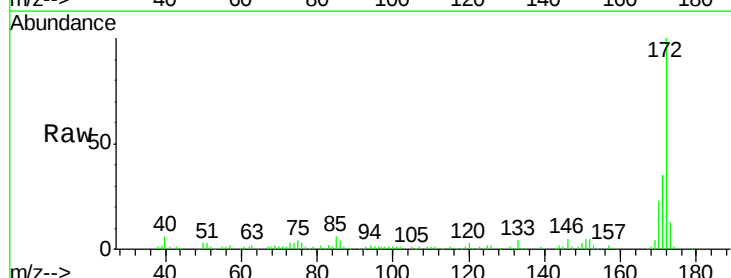
RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

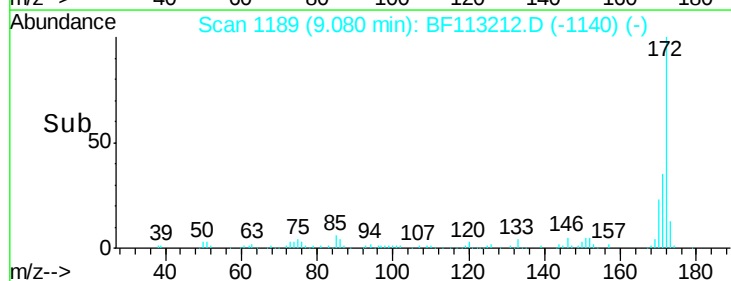
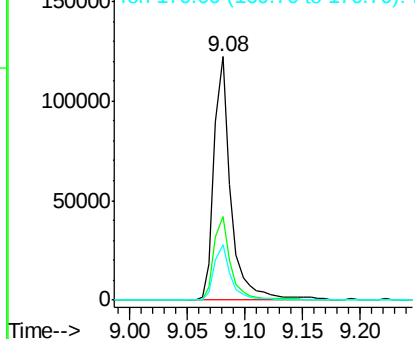
Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Tgt Ion:	172	Resp:	124875
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.0	43.4
170	22.6	20.0	30.0



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





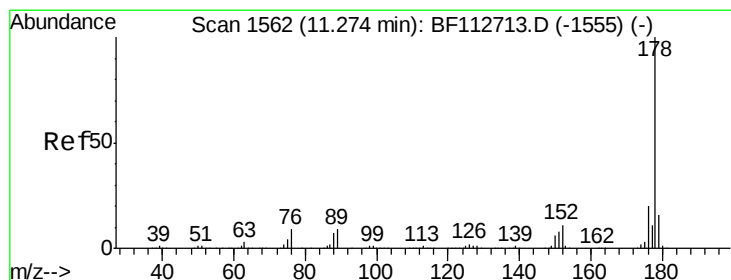
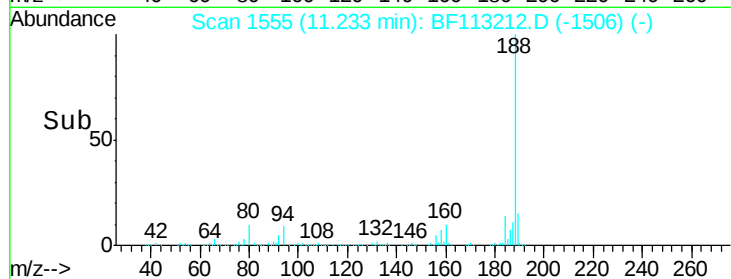
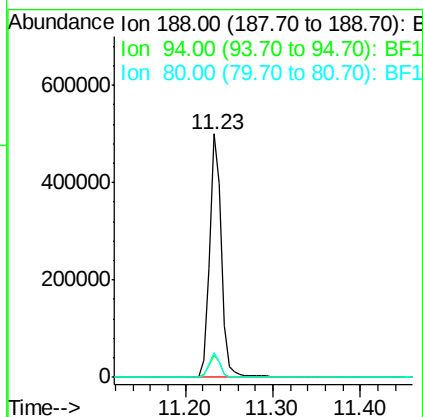
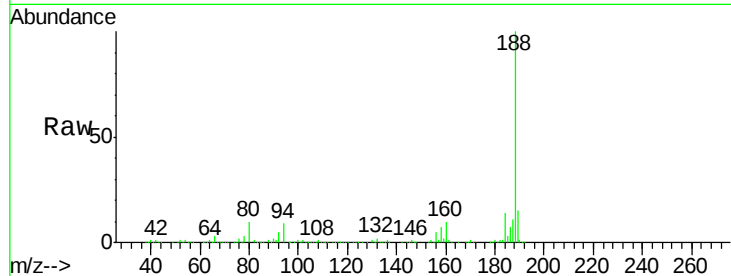
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	468298		
94	9.1	9.0	13.4	
80	10.0	9.2	13.8	

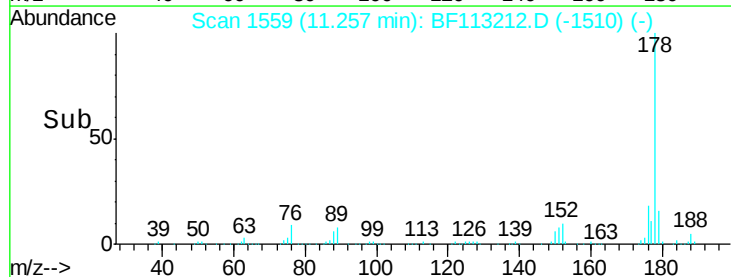
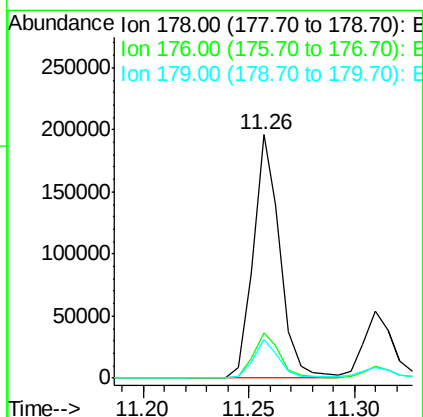
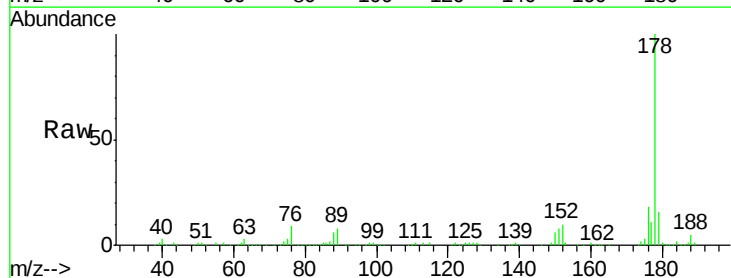
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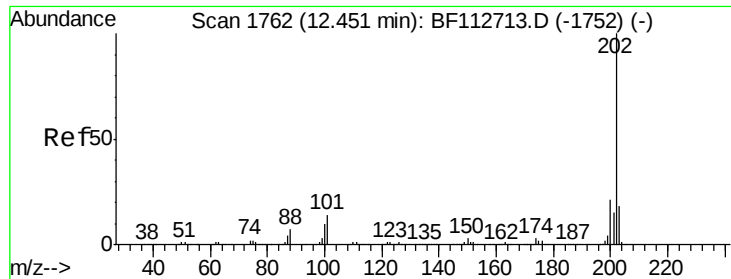
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#71
Phenanthrene
Concen: 7.360 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	171494		
176	18.3	16.3	24.5	
179	15.8	12.7	19.1	





#75

Fluoranthene

Concen: 10.078 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Instrument :

BNA_F

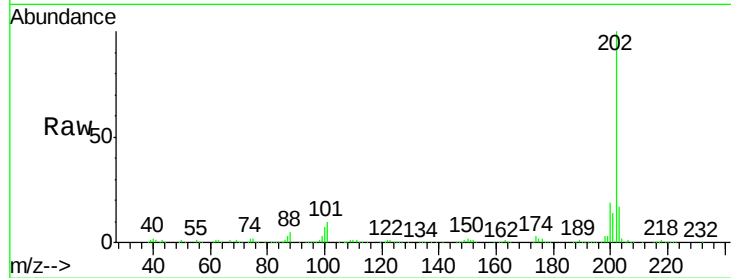
ClientSampleId :

EO-02-032019-B

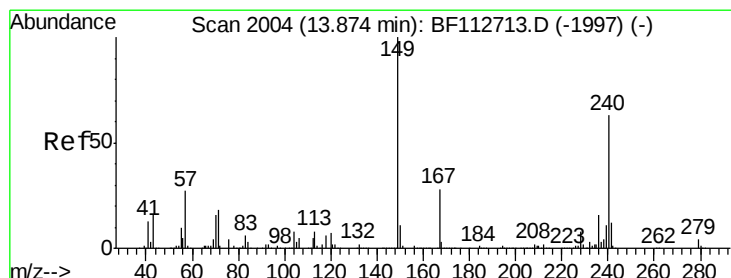
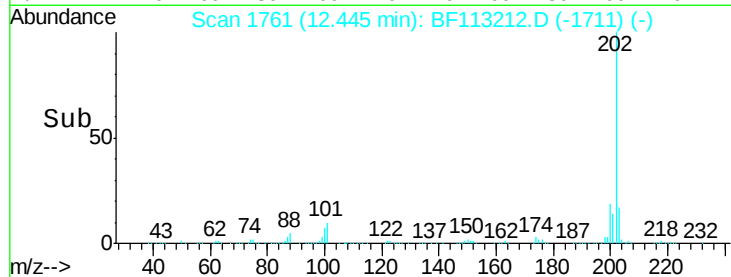
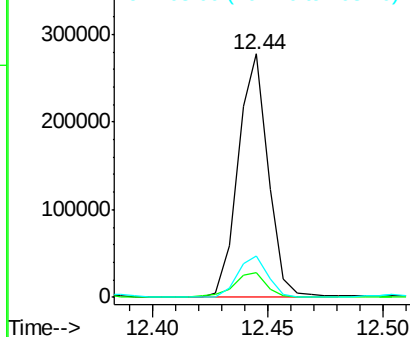
Tgt Ion:	202	Resp:	251570
Ion Ratio		Lower	Upper
202	100		
101	10.3	0.0	33.8
203	17.2	0.0	38.4

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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



#76

Chrysene-d12

Concen: 20.000 ng

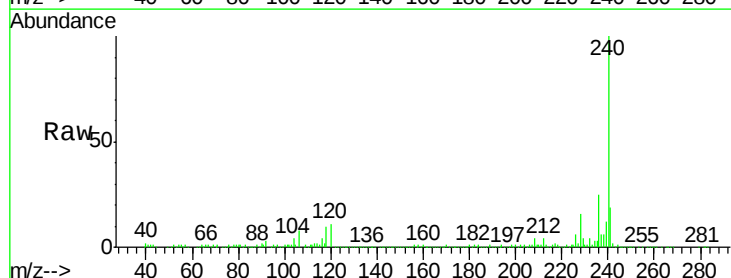
RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

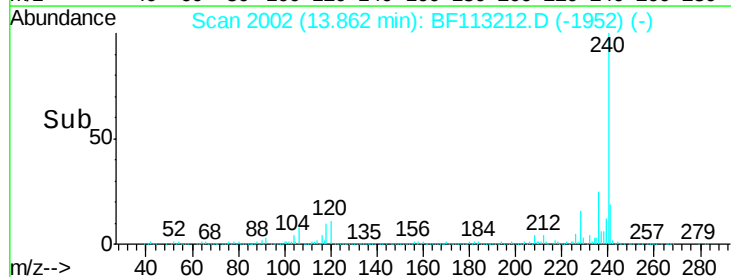
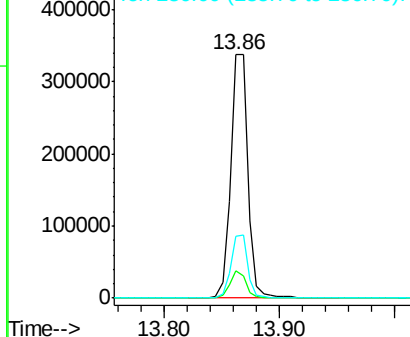
Lab File: BF113212.D

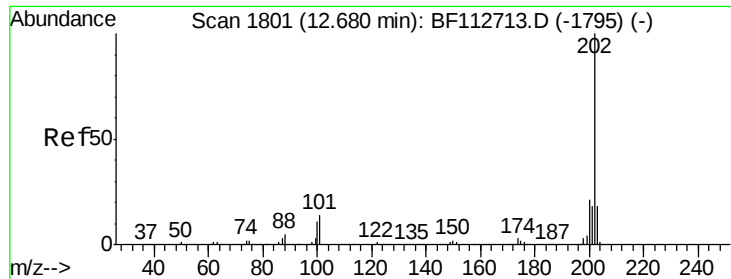
Acq: 21 Mar 2019 16:58

Tgt Ion:	240	Resp:	345257
Ion Ratio		Lower	Upper
240	100		
120	11.3	8.9	13.3
236	25.5	20.7	31.1



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





#78

Pyrene

Concen: 8.188 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Instrument :

BNA_F

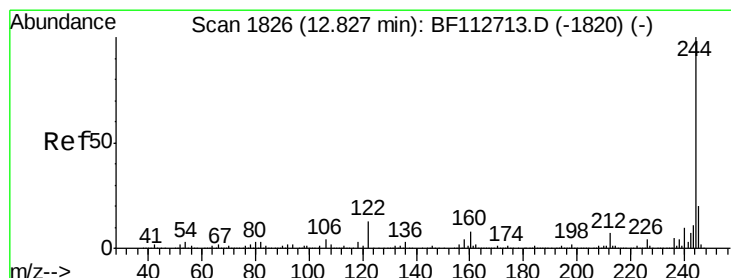
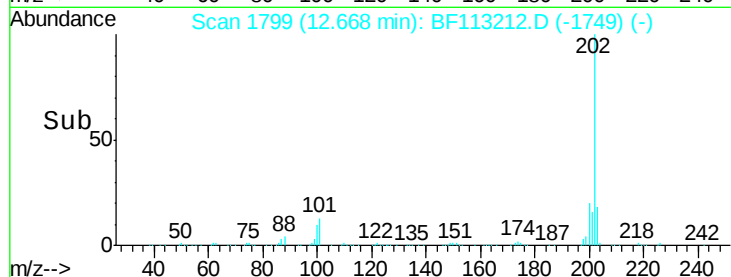
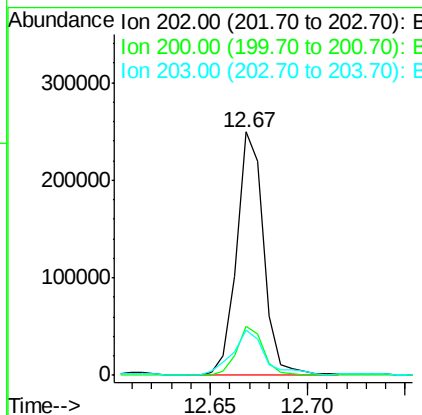
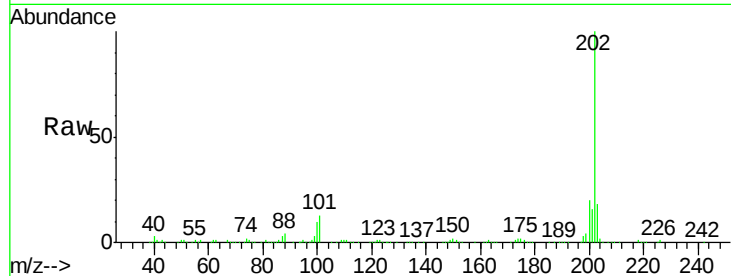
ClientSampleId :

EO-02-032019-B

Tgt Ion:	202	Resp:	238314
Ion Ratio		Lower	Upper
202	100		
200	20.0	17.0	25.4
203	18.4	14.4	21.6

Manual Integrations
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#79

Terphenyl-d14

Concen: 5.849 ng

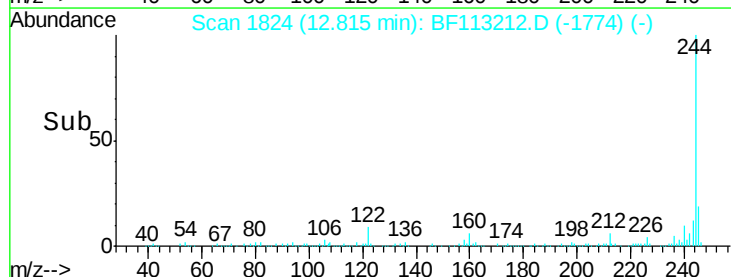
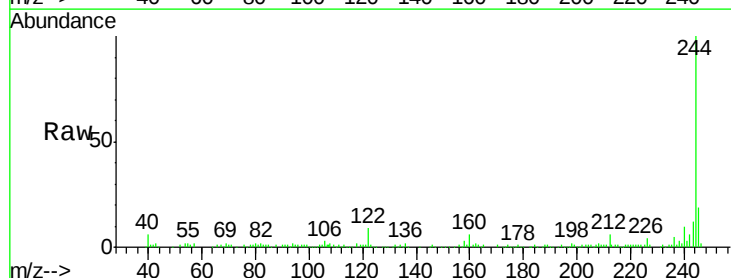
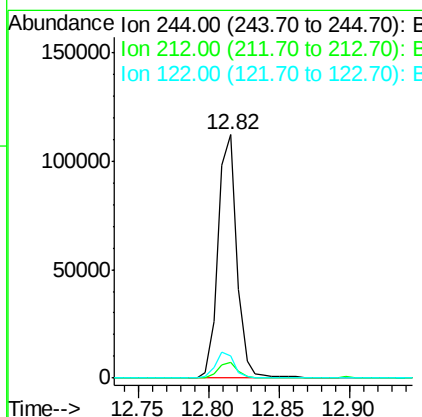
RT: 12.82 min Scan# 1824

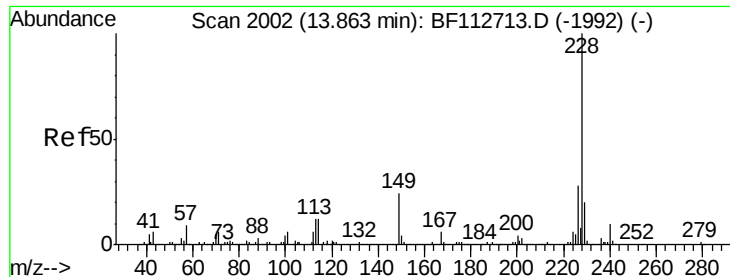
Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Tgt Ion:	244	Resp:	104168
Ion Ratio		Lower	Upper
244	100		
212	6.5	5.6	8.4
122	9.3	10.5	15.7#





#81

Benzo(a)anthracene

Concen: 4.894 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Instrument :

BNA_F

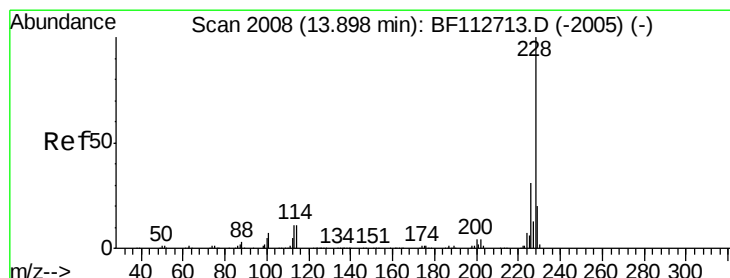
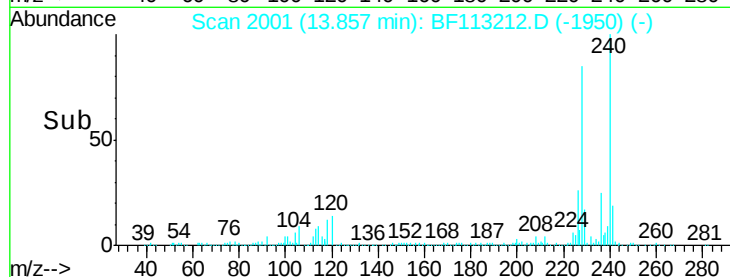
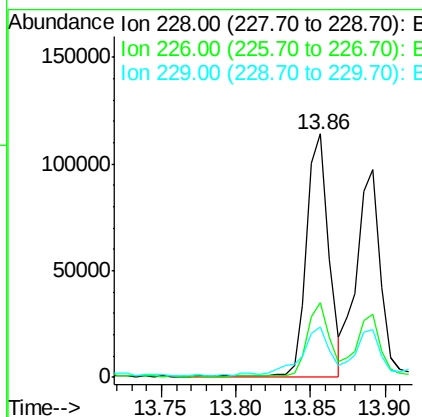
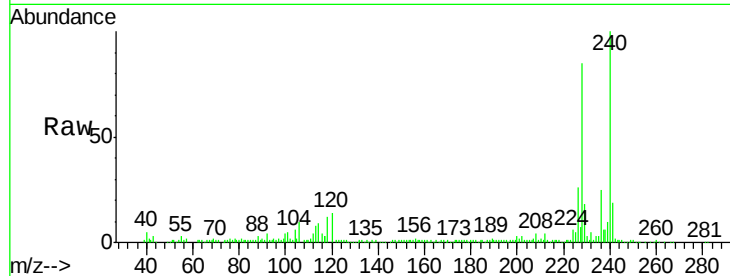
ClientSampleId :

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Tgt	Ion:228	Resp:	117097
Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.2	33.4
229	20.8	16.0	24.0

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#83

Chrysene

Concen: 4.646 ng

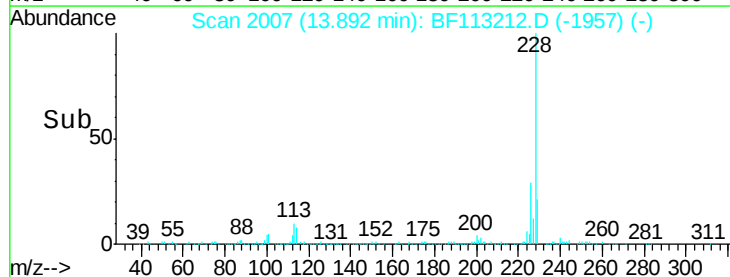
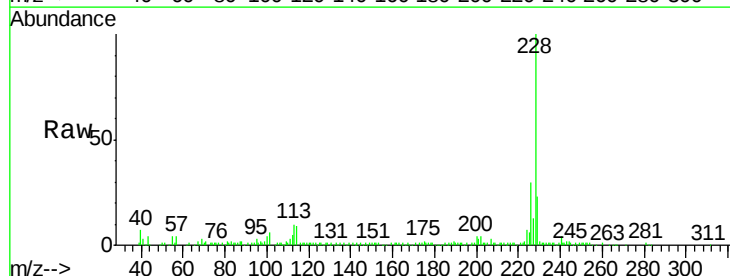
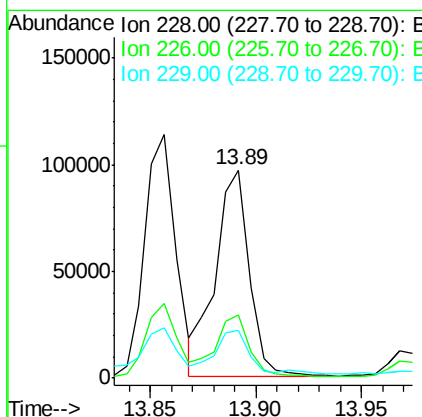
RT: 13.89 min Scan# 2007

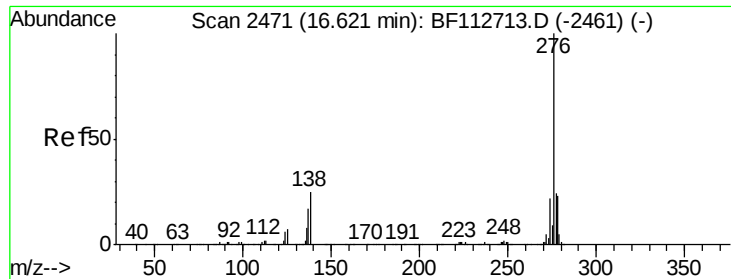
Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Tgt	Ion:228	Resp:	108908
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	22.7	16.3	24.5





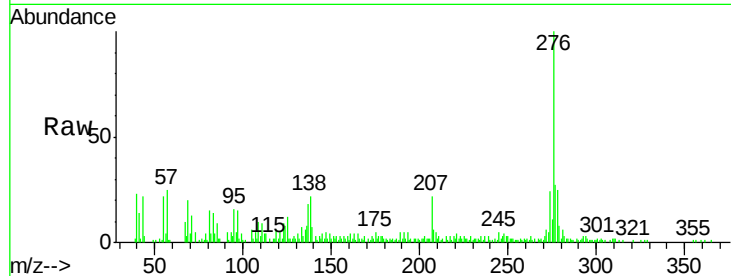
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.651 ng
RT: 16.64 min Scan# 2474
Delta R.T. -0.00 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

Instrument :
BNA_F
ClientSampleId :
EO-02-032019-B

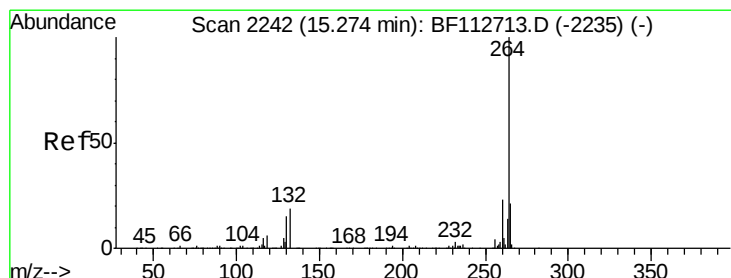
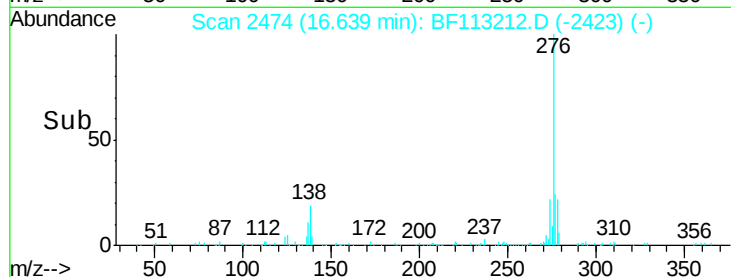
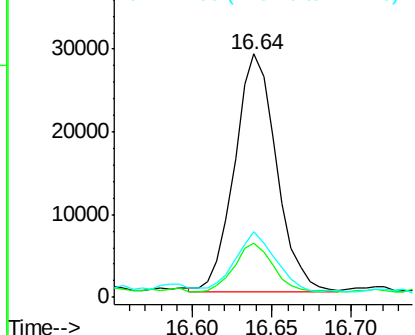
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.3	23.2	34.8#
277	23.3	19.9	29.9

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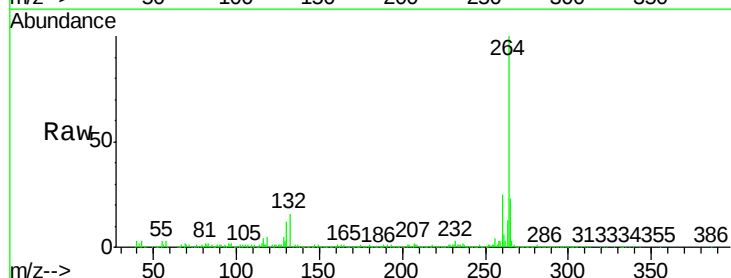


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

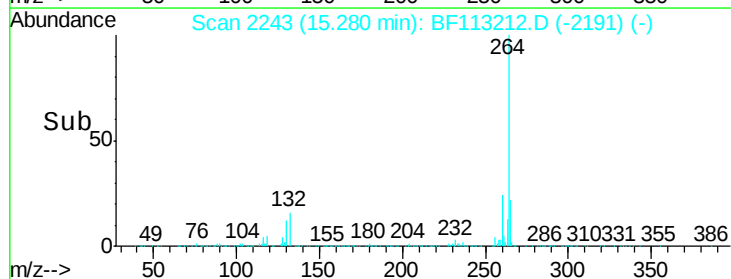
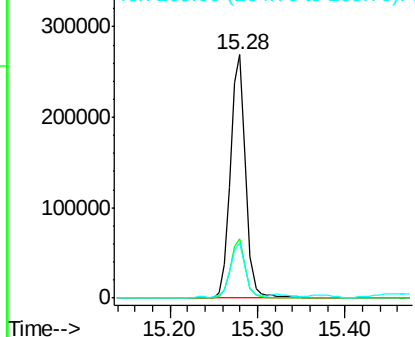


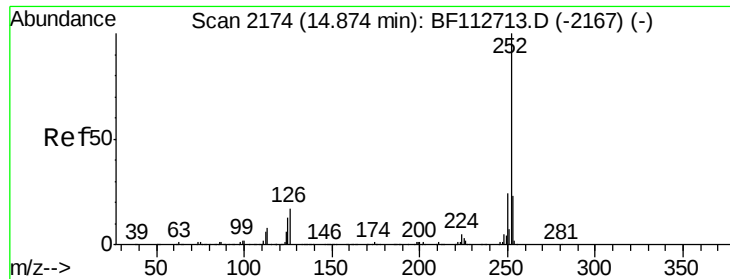
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.5	17.2	25.8



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





#88

Benzo(b)fluoranthene

Concen: 6.170 ng m

RT: 14.88 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Instrument :

BNA_F

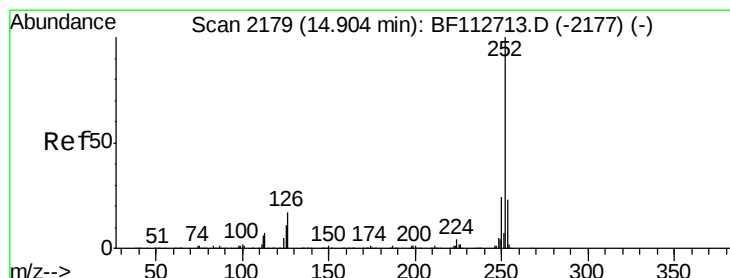
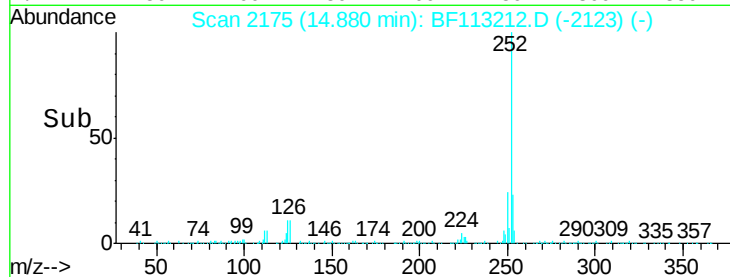
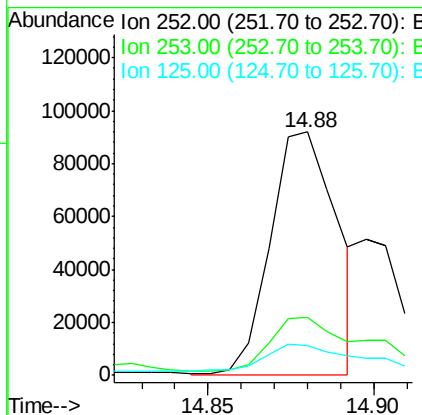
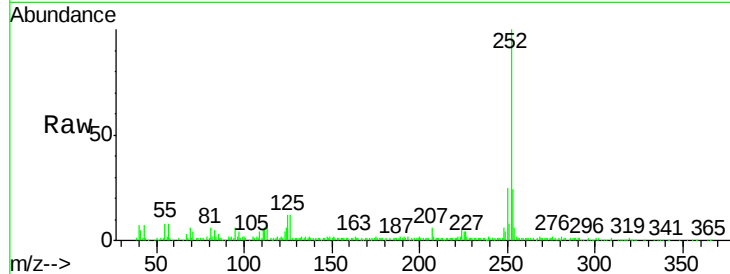
ClientSampleId :

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Tgt Ion:	252	Resp:	128413
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.0	27.0
125	12.3	10.2	15.2

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#89

Benzo(k)fluoranthene

Concen: 2.607 ng m

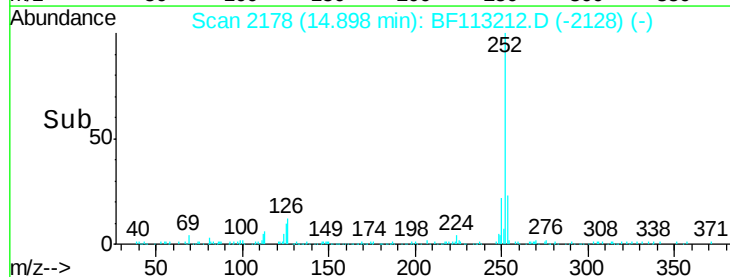
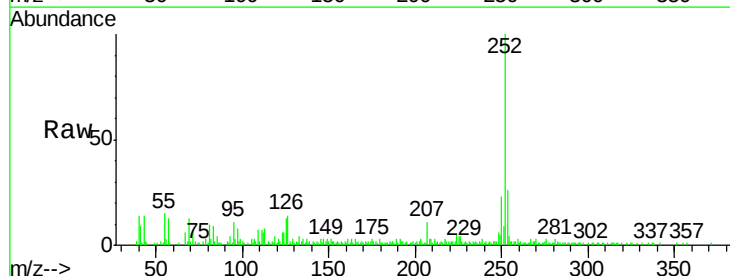
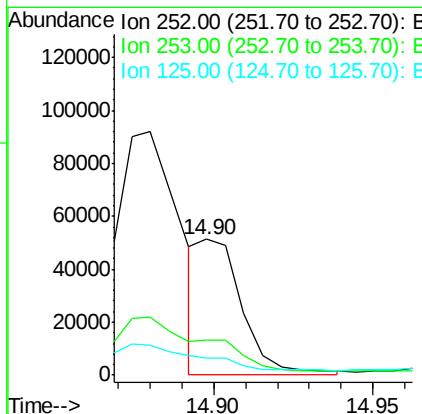
RT: 14.90 min Scan# 2178

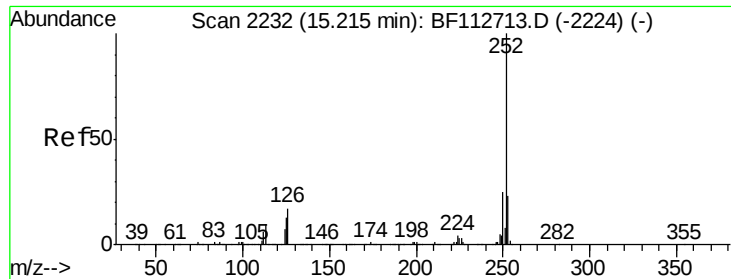
Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Tgt Ion:	252	Resp:	49138
Ion Ratio	Lower	Upper	
252	100		
253	25.9	18.2	27.2
125	12.7	9.8	14.6





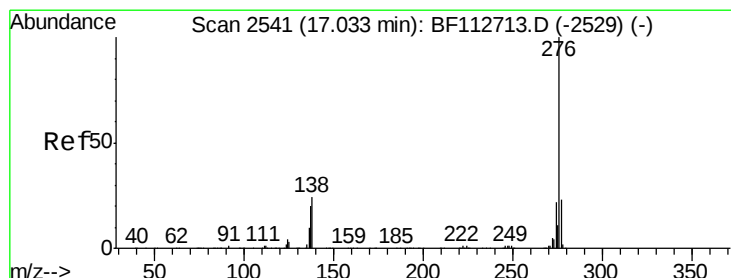
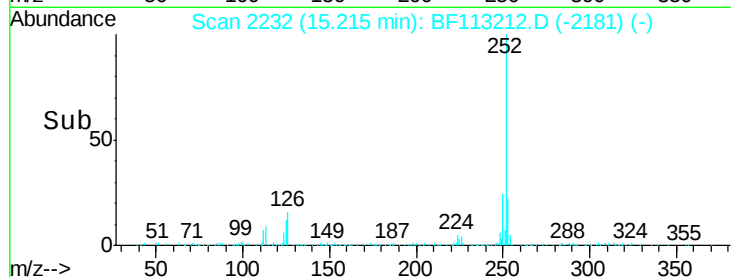
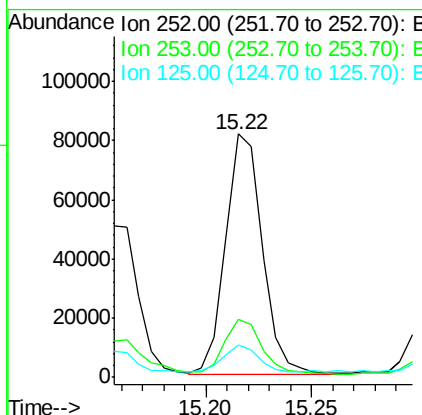
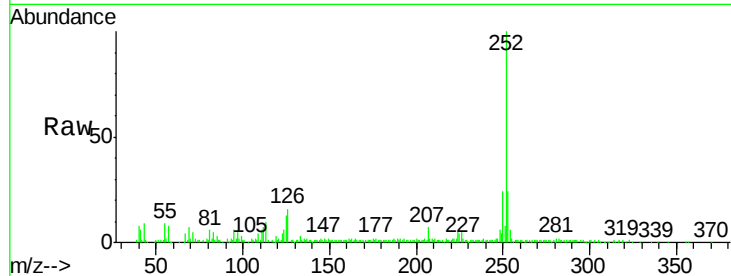
#90
Benzo(a)pyrene
Concen: 5.349 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

Instrument :
BNA_F
ClientSampleId :
EO-02-032019-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	13.2	10.7	16.1

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#92
Benzo(g,h,i)perylene
Concen: 3.103 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.01 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.6	27.8
138	20.8	19.4	29.0

