

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
 Data File : BF102823.D
 Acq On : 7 Feb 2018 19:26
 Operator : SJ/JU
 Sample : J1400-05 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-020618-C

Manual Integrations
 APPROVED

Sohil
 2/8/2018 1:41:42 PM

Quant Time: Feb 08 02:58:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	197744	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	794195	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	330509	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	489401	20.00	ng	0.00
75) Chrysene-d12	14.05	240	353451	20.00	ng	0.00
86) Perylene-d12	15.53	264	321609	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	741781	56.97	ng	0.00
7) Phenol-d6	6.50	99	869454	55.46	ng	0.00
23) Nitrobenzene-d5	7.44	82	535588	46.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	157695	59.28	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	864818	43.42	ng	0.00
78) Terphenyl-d14	13.00	244	593250	39.74	ng	0.00
Target Compounds						
70) Phenanthrene	11.43	178	63893	2.344	ng	98
74) Fluoranthene	12.63	202	86333	3.148	ng	98
77) Pyrene	12.86	202	84918	3.064	ng	96
87) Benzo(b)fluoranthene	15.09	252	44152m	2.117	ng	

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

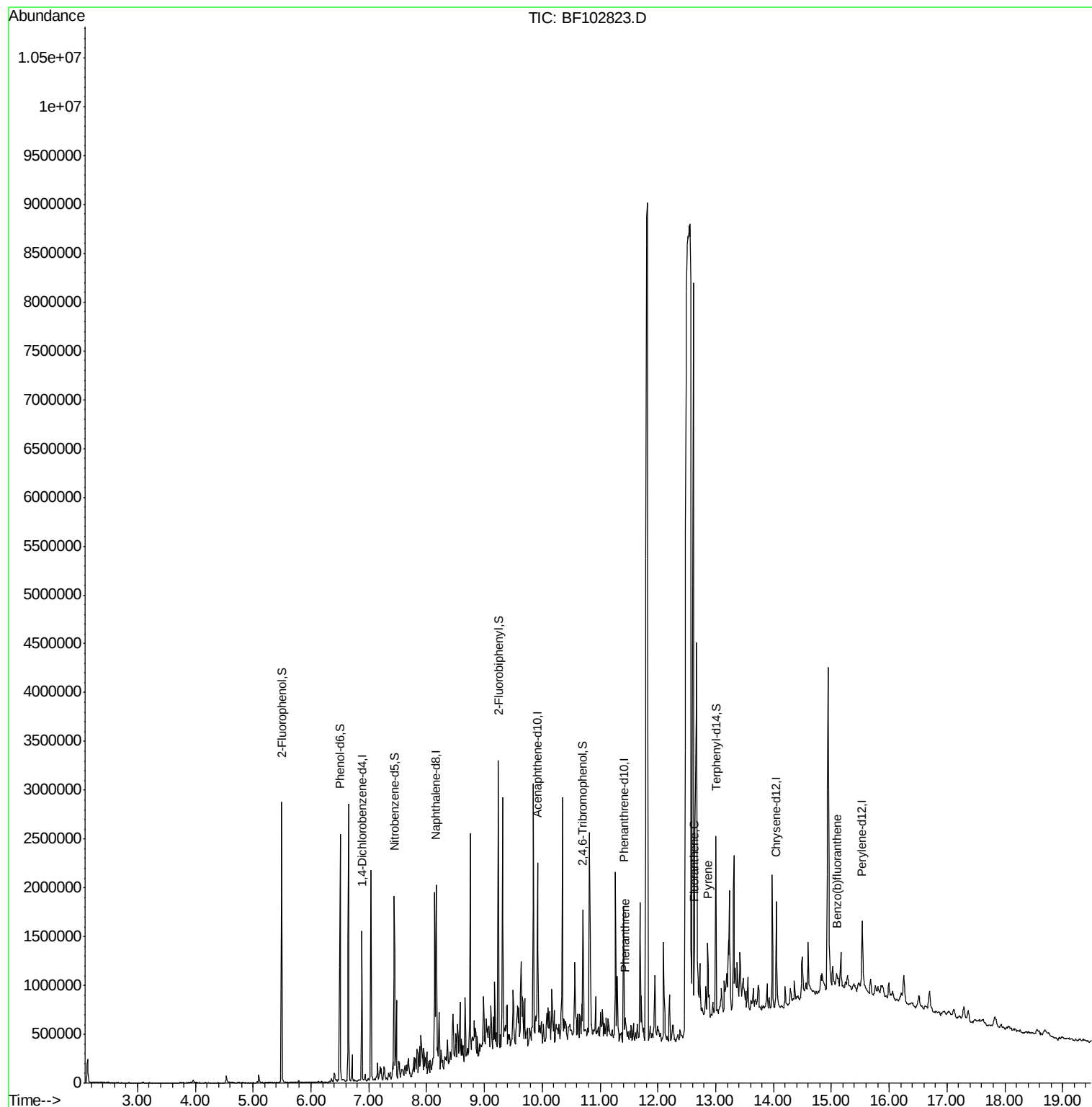
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
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#1

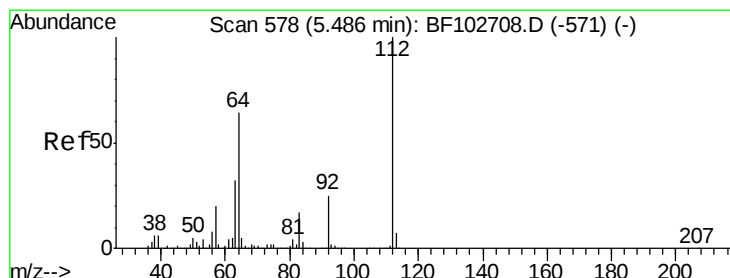
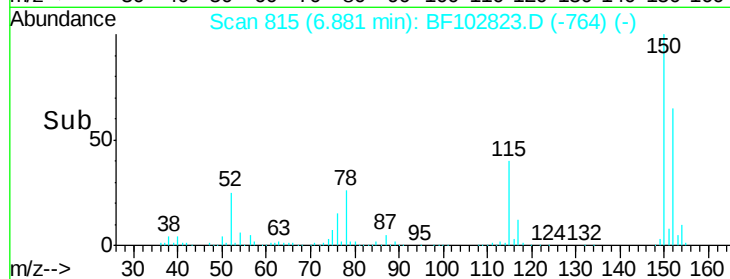
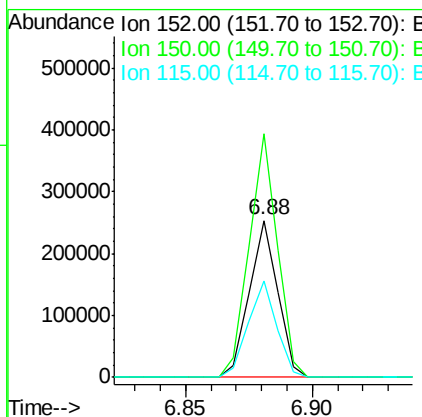
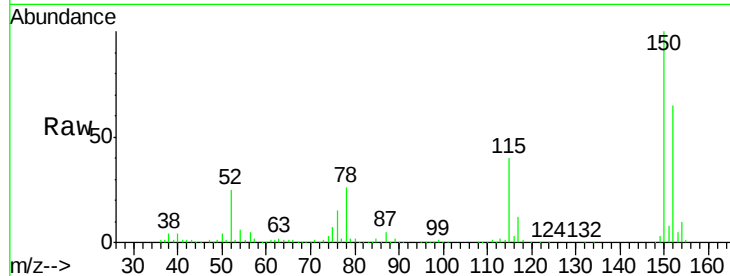
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102823.D
Acq: 7 Feb 2018 19:26

Instrument :
BNA_F
ClientSampleId :
EO-01-020618-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.6	186.8
115	61.6	50.1	75.1

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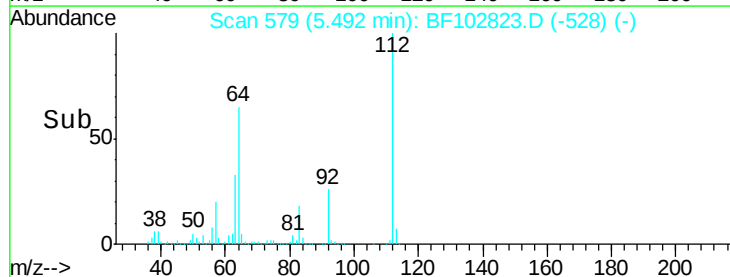
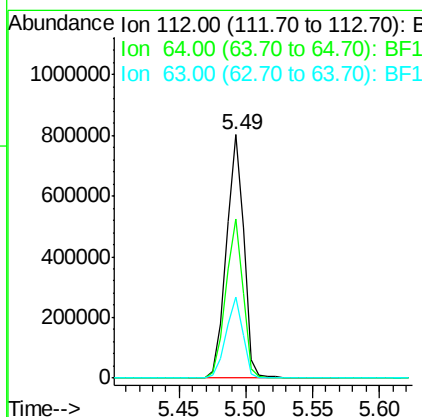
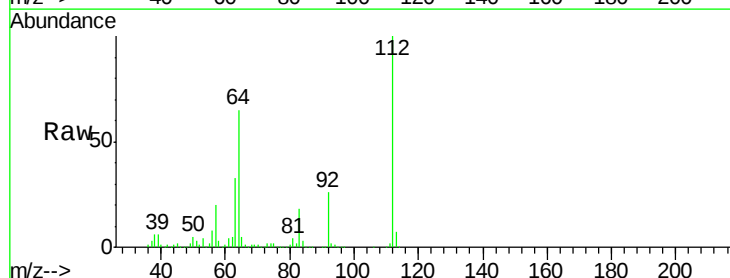
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#5

2-Fluorophenol
Concen: 56.969 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF102823.D
Acq: 7 Feb 2018 19:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	47.9	71.9
63	33.2	23.7	35.5





#7

Phenol-d6

Concen: 55.457 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Instrument :

BNA_F

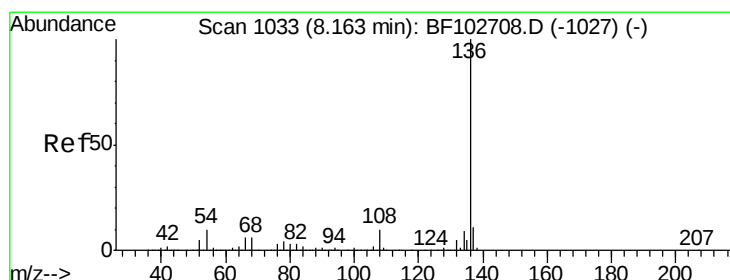
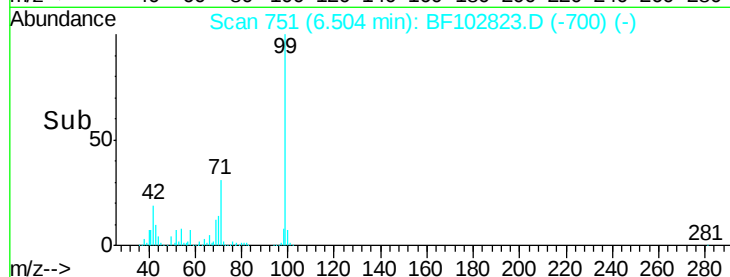
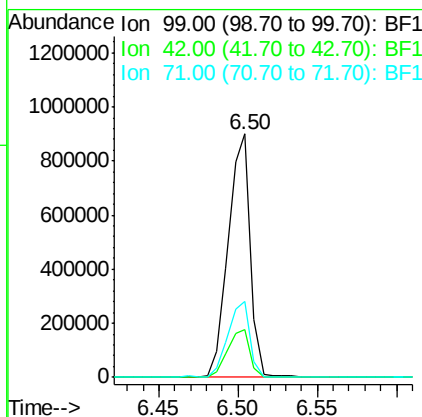
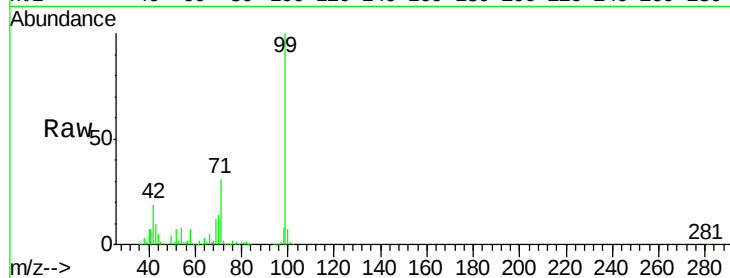
ClientSampleId :

EO-01-020618-C

Tot Ion:	99	Resp:	869454
Ion Ratio	Lower	Upper	
99	100		
42	19.4	14.5	21.7
71	31.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

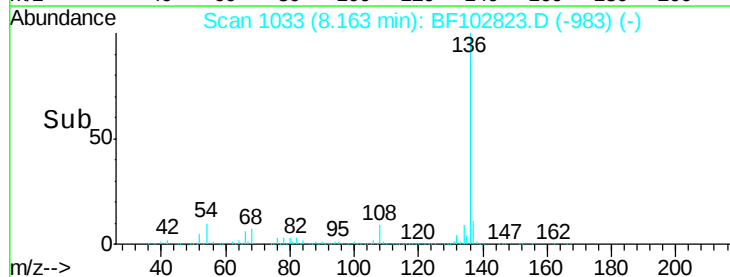
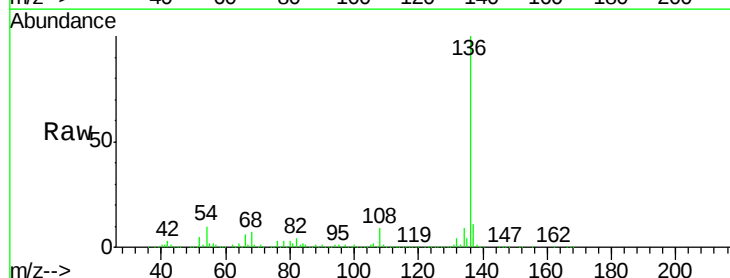
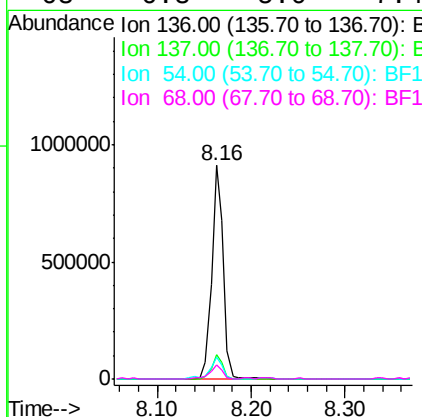
RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Tgt Ion:	136	Resp:	794195
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	10.1	6.6	9.8
68	6.8	5.0	7.4





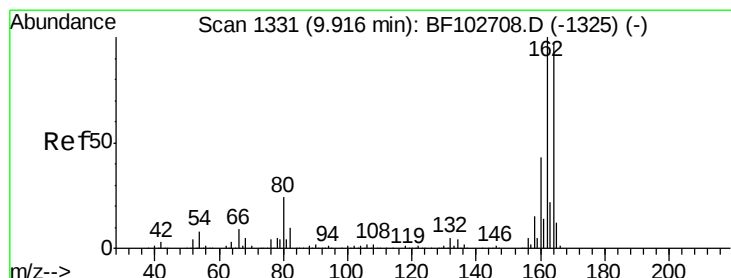
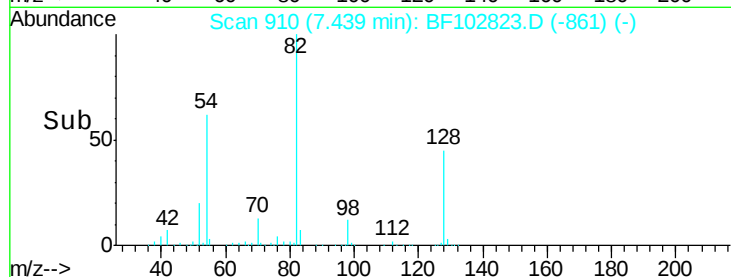
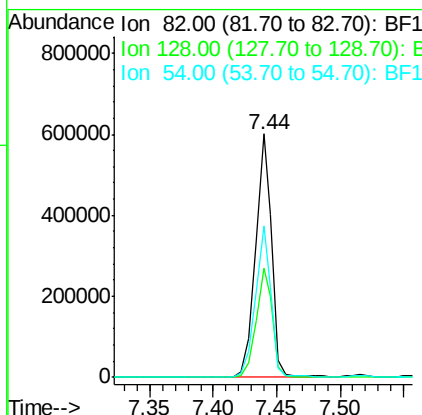
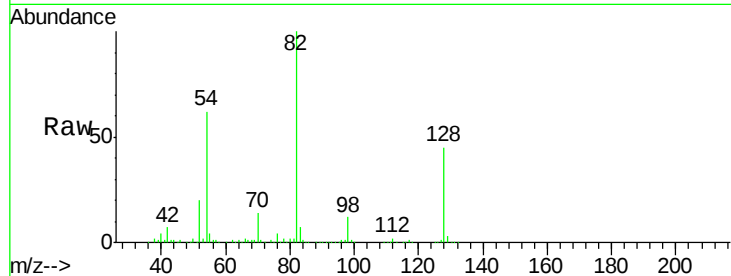
#23
 Nitrobenzene-d5
 Concen: 46.782 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF102823.D
 Acq: 7 Feb 2018 19:26

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-020618-C

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.1	36.1	54.1	
54	62.1	41.4	62.2	

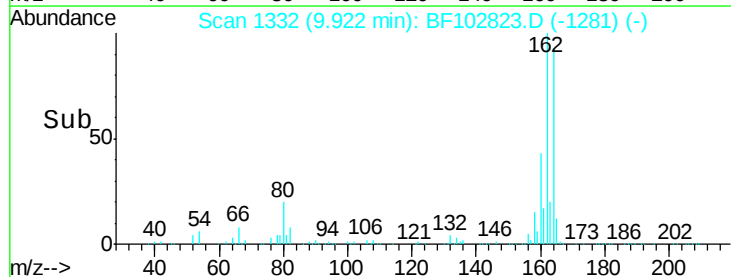
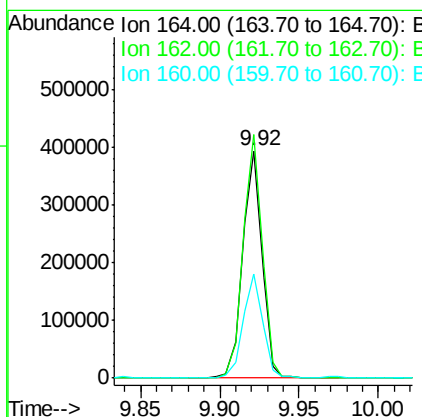
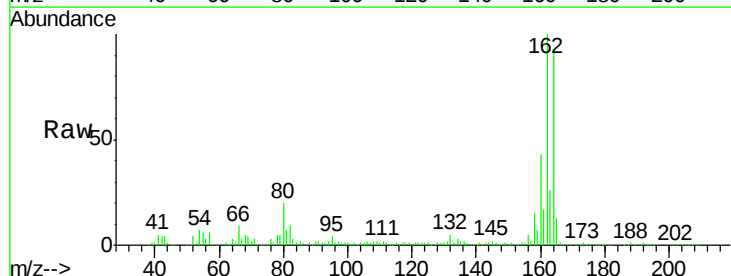
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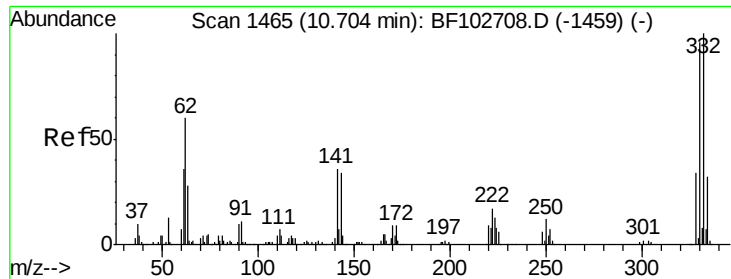
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: BF102823.D
 Acq: 7 Feb 2018 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	107.3	86.1	129.1	
160	45.9	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 59.279 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Instrument :

BNA_F

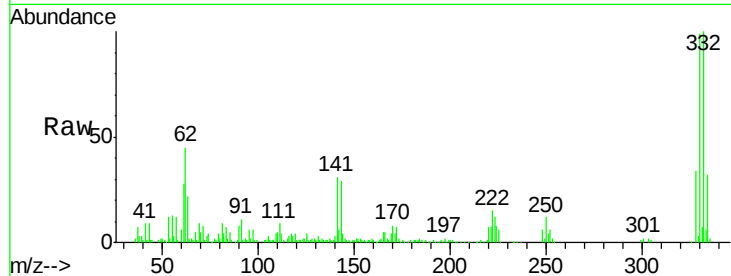
ClientSampleId :

EO-01-020618-C

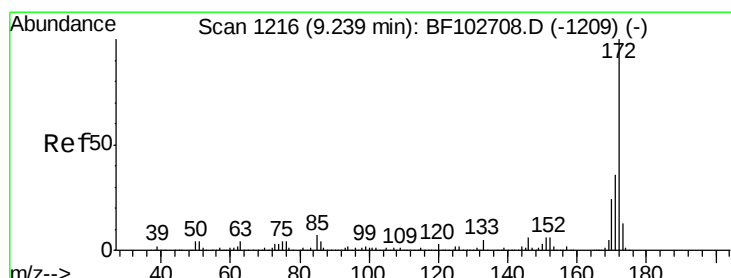
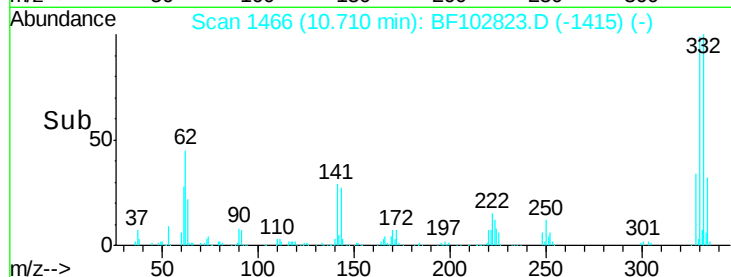
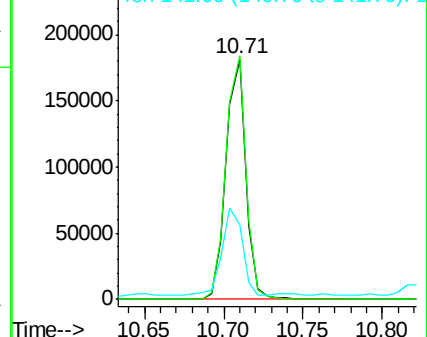
Tot Ion:	330	Resp:	157695
Ion Ratio	Lower	Upper	
330	100		
332	102.5	77.0	115.6
141	37.6	29.9	44.9

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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: 43.419 ng

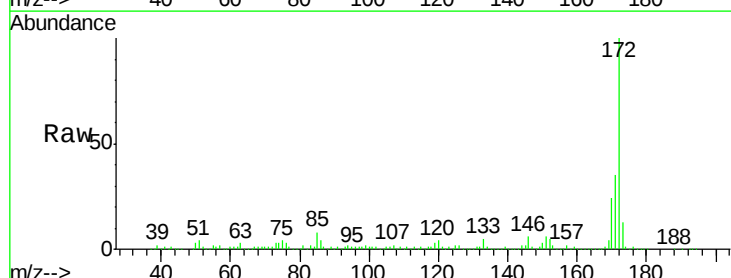
RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

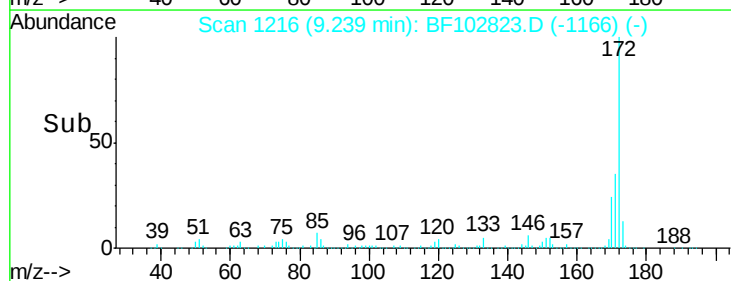
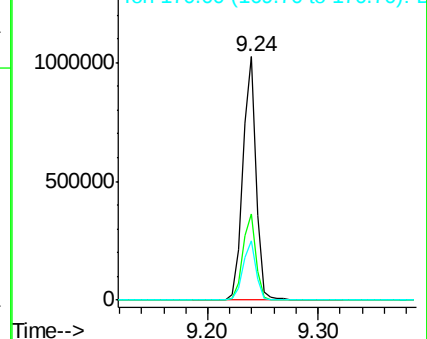
Lab File: BF102823.D

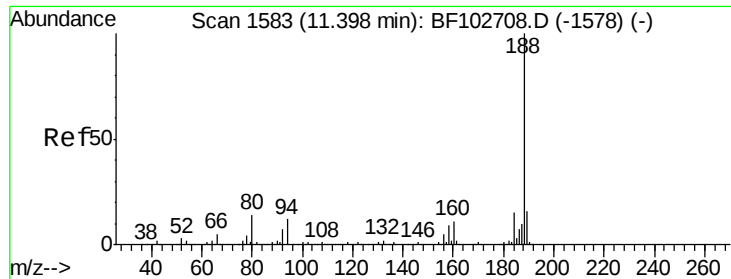
Acq: 7 Feb 2018 19:26

Tgt Ion:	172	Resp:	864818
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.7	44.5
170	24.2	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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Instrument :

BNA_F

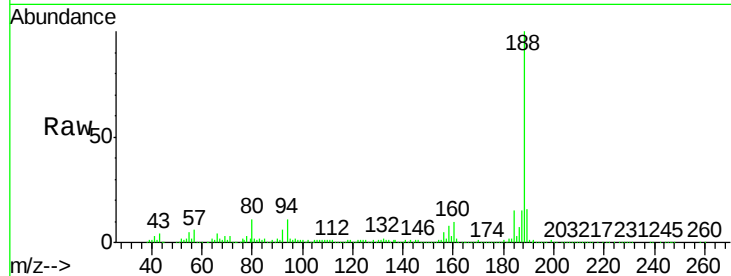
ClientSampleId :

EO-01-020618-C

Tot Ion:	188	Resp:	489401
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.5	12.7
80	10.9	9.2	13.8

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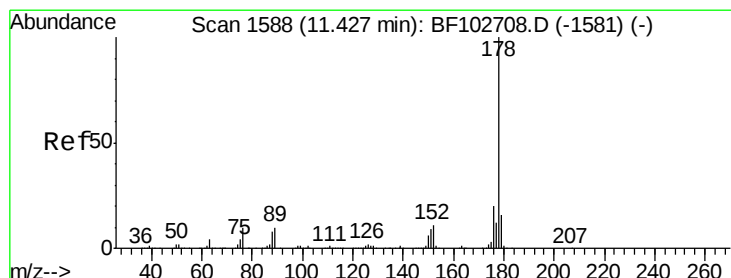
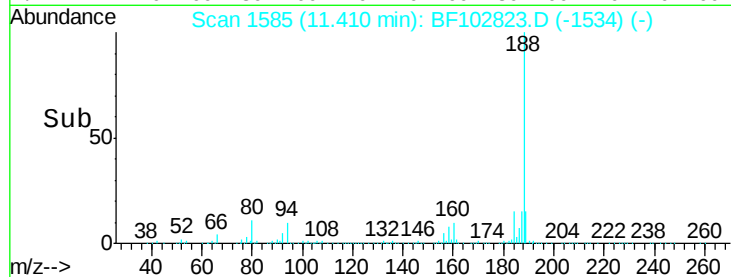
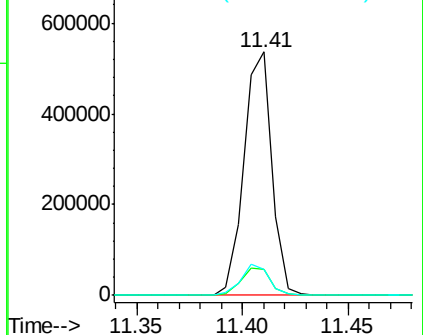
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 2.344 ng

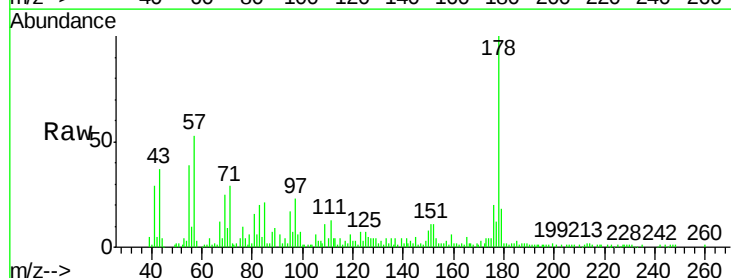
RT: 11.43 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

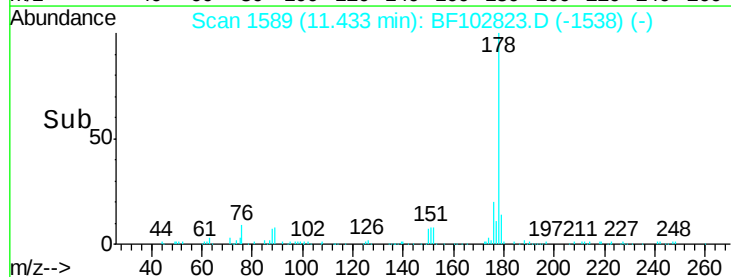
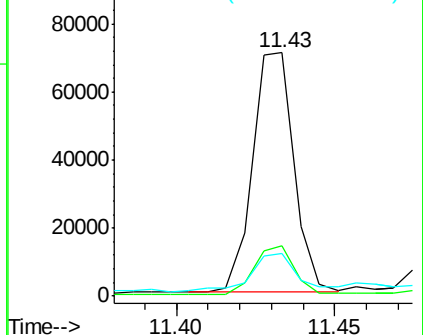
Tgt Ion:	178	Resp:	63893
Ion Ratio	Lower	Upper	
178	100		
176	20.5	15.8	23.8
179	17.7	13.0	19.6

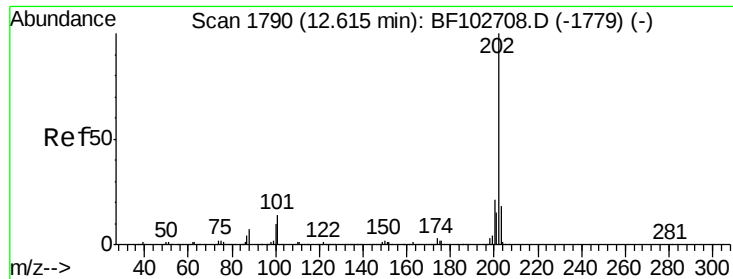


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.148 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Instrument :

BNA_F

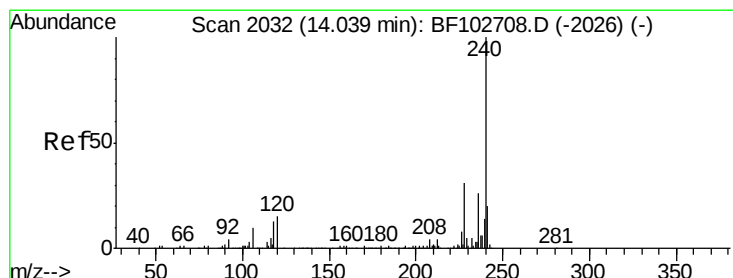
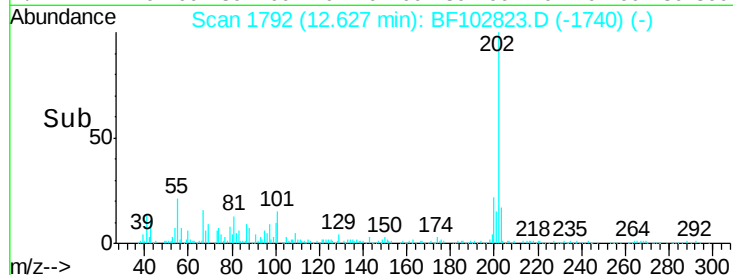
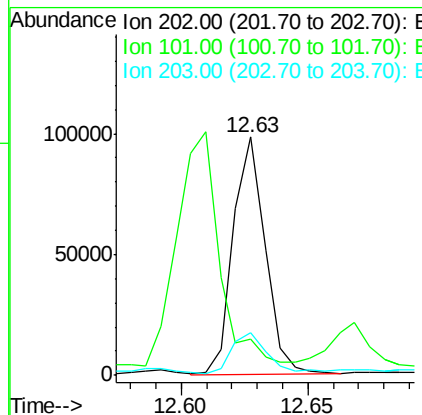
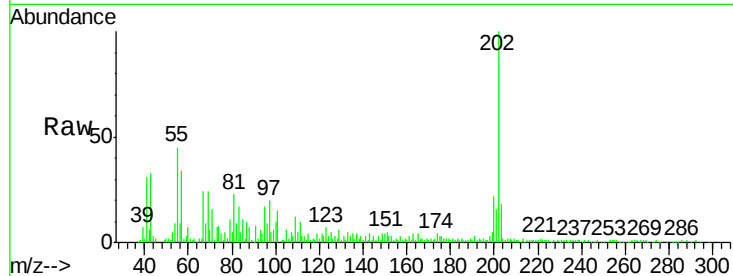
ClientSampleId :

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Tot Ion:	202	Resp:	86333
Ion Ratio	Lower	Upper	
202	100		
101	15.4	0.0	34.1
203	17.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

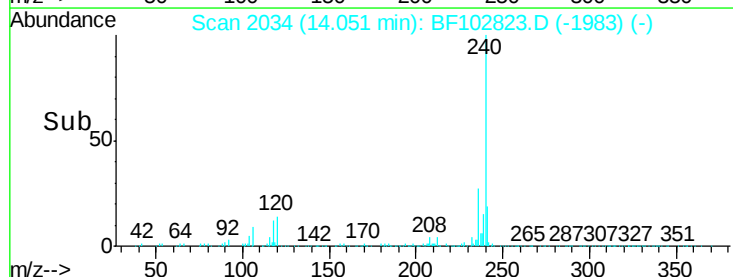
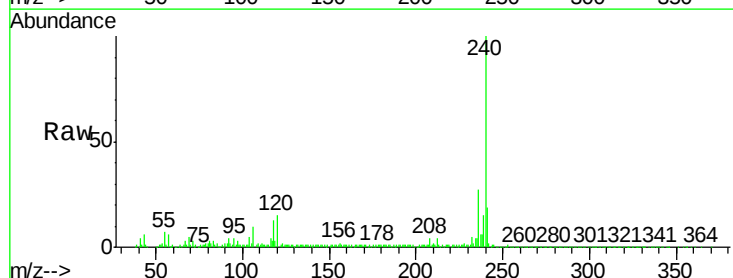
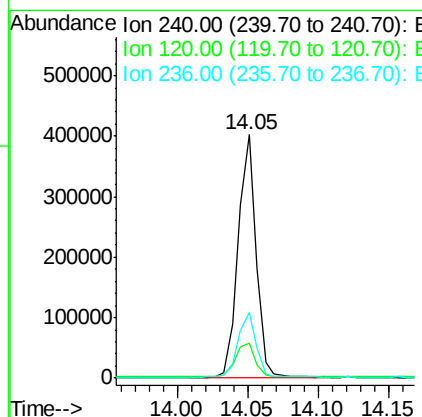
RT: 14.05 min Scan# 2034

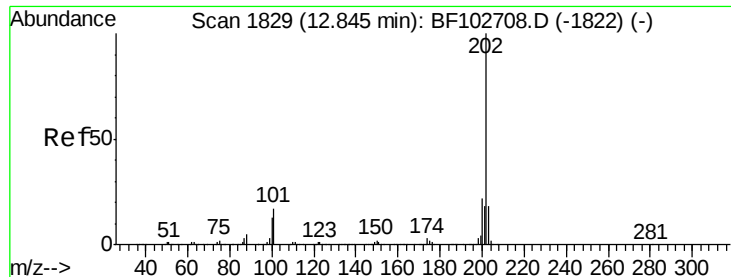
Delta R.T. -0.00 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Tgt Ion:	240	Resp:	353451
Ion Ratio	Lower	Upper	
240	100		
120	14.6	9.5	14.3#
236	27.1	20.7	31.1





#77

Pvrene

Concen: 3.064 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Instrument :

BNA_F

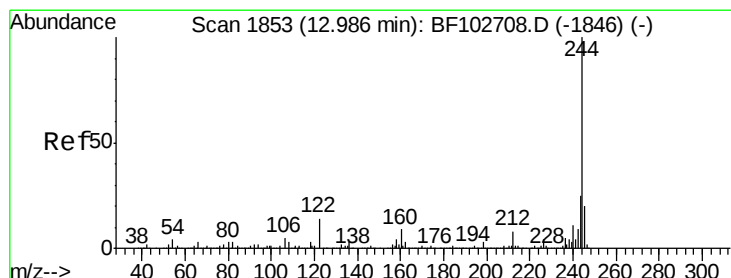
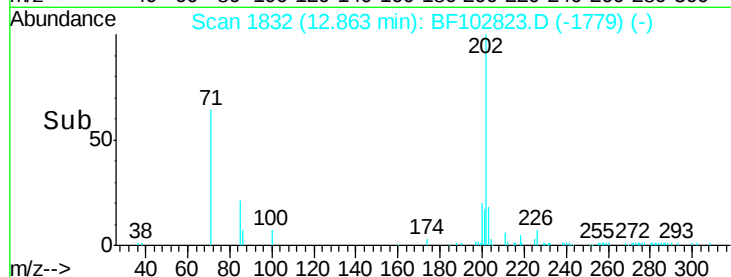
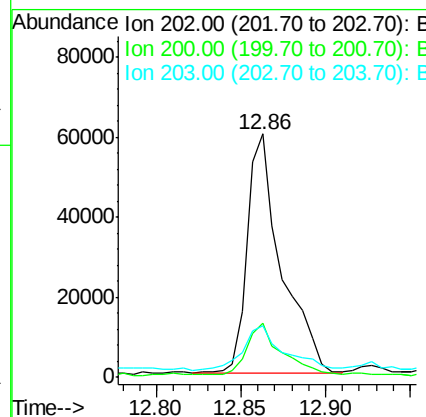
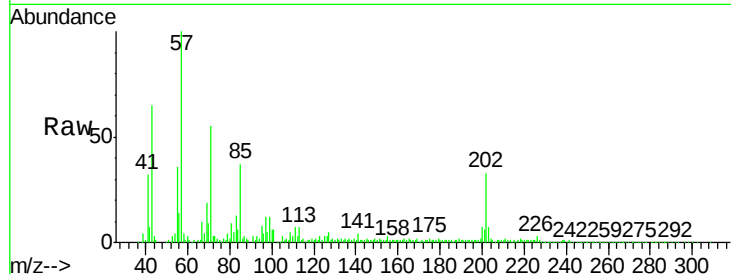
ClientSampleId :

EO-01-020618-C

Tot Ion:	202	Resp:	84918
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.4	26.2
203	21.0	14.3	21.5

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#78

Terphenyl-d14

Concen: 39.742 ng

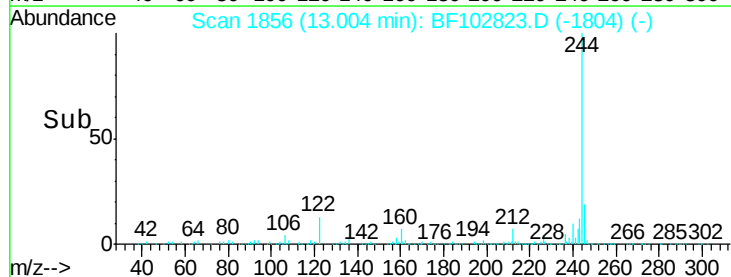
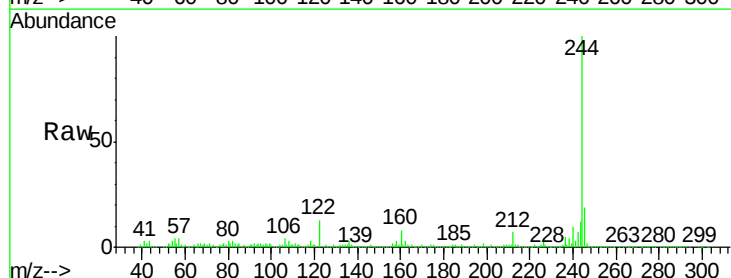
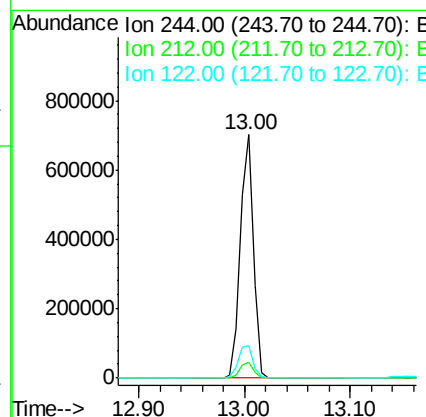
RT: 13.00 min Scan# 1856

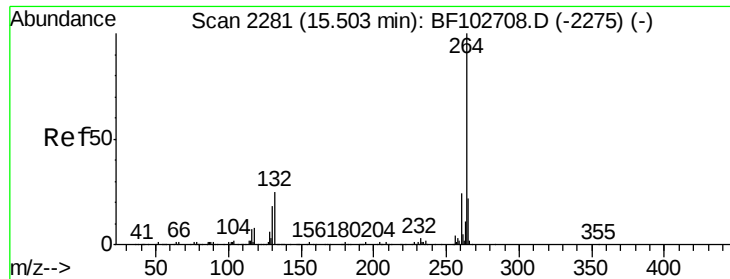
Delta R.T. 0.01 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Tgt Ion:	244	Resp:	593250
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	13.5	11.0	16.4





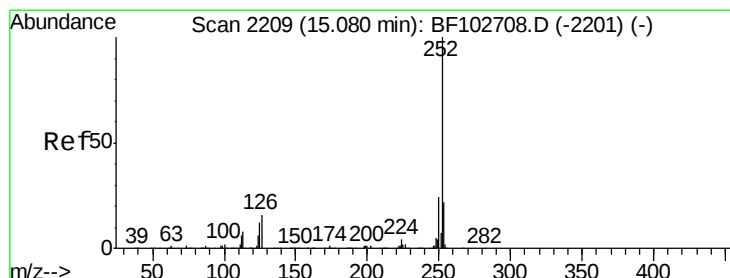
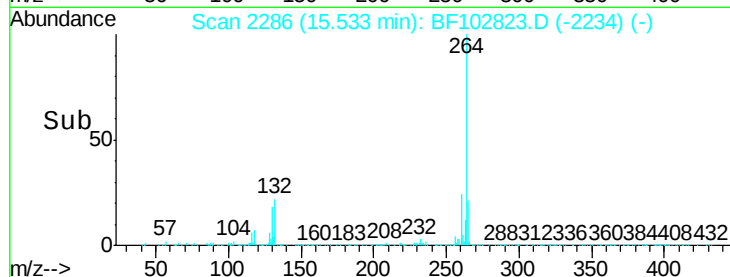
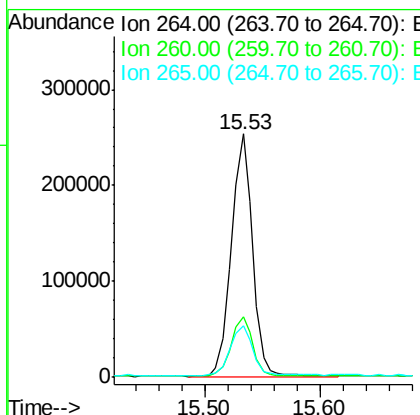
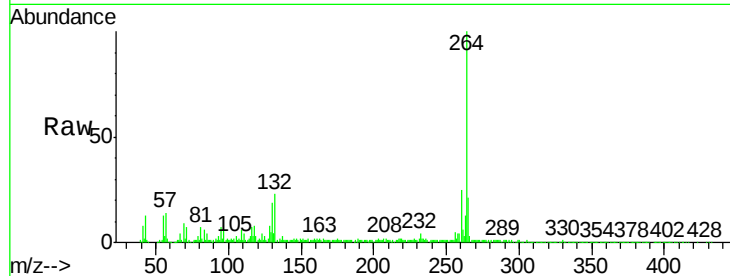
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF102823.D
Acq: 7 Feb 2018 19:26

Instrument :
BNA_F
ClientSampleId :
EO-01-020618-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.4	17.5	26.3

Manual Integrations
APPROVED

Sohil
2/8/2018 1:41:42 PM



#87
Benzo(b)fluoranthene
Concen: 2.117 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BF102823.D
Acq: 7 Feb 2018 19:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.6	17.0	25.6#
125	33.5	9.0	13.6#

