

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108513.D
 Acq On : 27 Aug 2018 16:28
 Operator : JU/SJ
 Sample : J4646-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q4-FD01

Manual Integrations
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Quant Time: Aug 27 17:05:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	115644	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	451054	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	215705	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	354179	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	278878	20.00	ng	-0.01
86) Perylene-d12	15.75	264	269016	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	446640	69.92	ng	0.00
7) Phenol-d6	6.62	99	610630	71.94	ng	-0.01
23) Nitrobenzene-d5	7.56	82	402622	49.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	140977	65.52	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	791636	58.92	ng	-0.01
78) Terphenyl-d14	13.12	244	576191	52.53	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.74	163	118067	7.858	ng	100
70) Phenanthrene	11.56	178	47344	2.834	ng	98
74) Fluoranthene	12.76	202	75281	4.129	ng	95
77) Pyrene	12.99	202	70127	3.972	ng	98
80) Benzo(a)anthracene	14.18	228	35669	2.229	ng	100
82) Chrysene	14.22	228	34095	2.324	ng	96
87) Benzo(b)fluoranthene	15.28	252	48942m	3.045	ng	
89) Benzo(a)pyrene	15.68	252	31844	2.212	ng	94

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

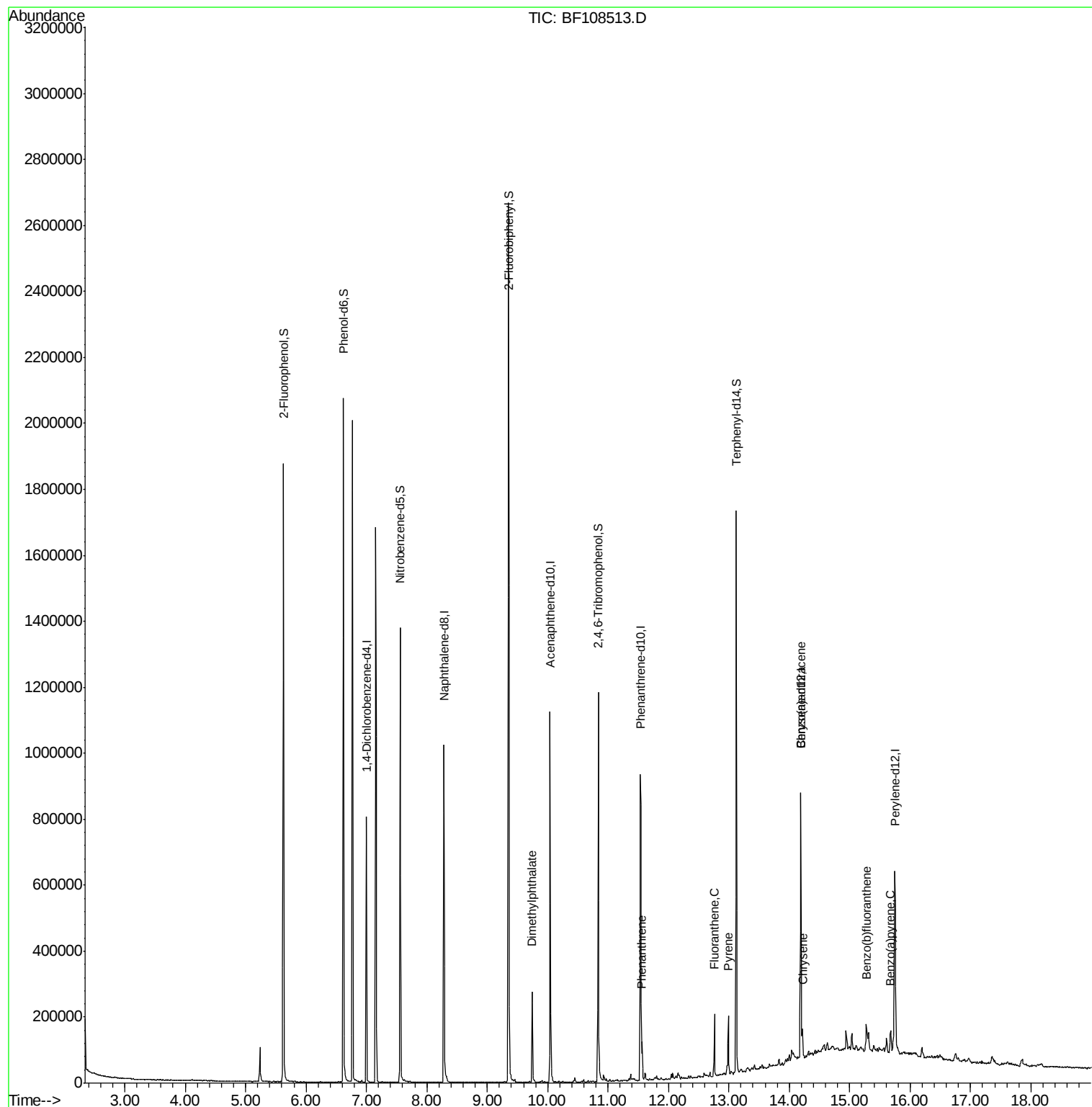
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
Data File : BF108513.D
Acq On : 27 Aug 2018 16:28
Operator : JU/SJ
Sample : J4646-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP1-Q4-FD01

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 22 11:01:45 2018
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#1

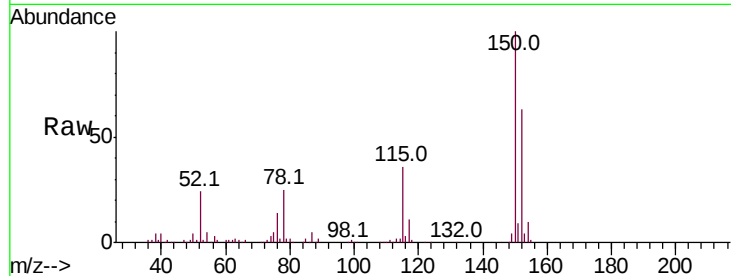
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

Instrument :
BNA_F
ClientSampleId :
EP1-Q4-FD01

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	58.1	50.1	75.1

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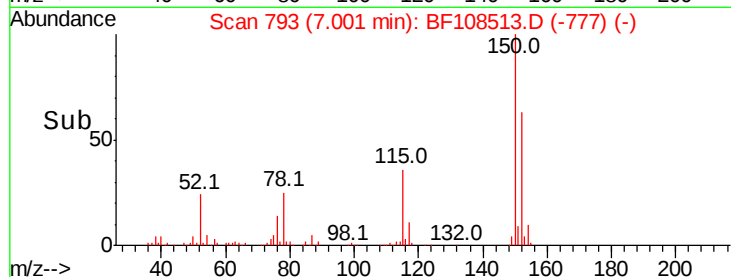
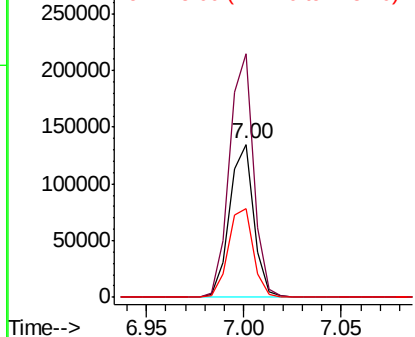


Abundance

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: 69.923 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

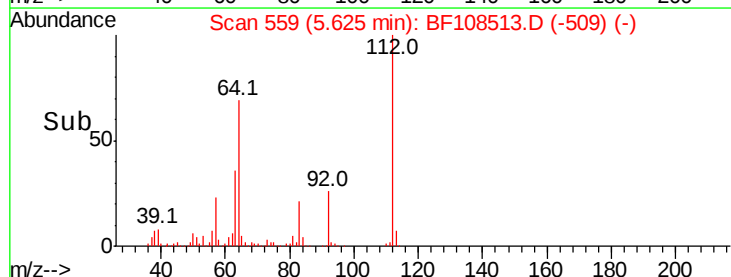
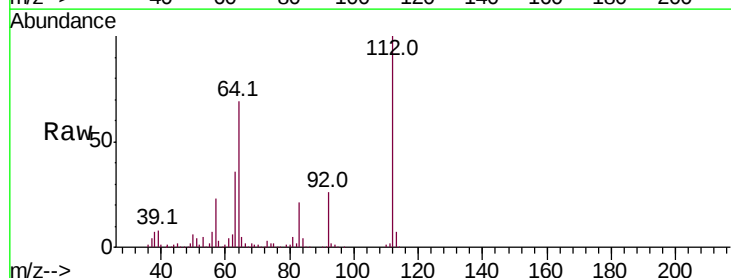
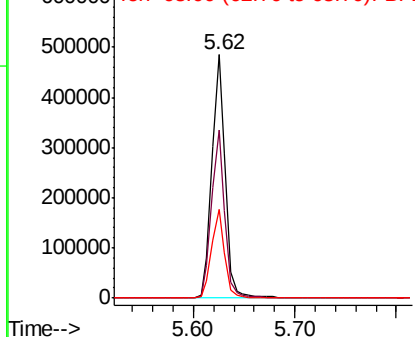
Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	47.9	71.9
63	36.4	23.7	35.5#

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: 71.939 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108513.D

Acq: 27 Aug 2018 16:28

Instrument :

BNA_F

ClientSampleId :

EP1-Q4-FD01

Tot Ion: 99 Resp: 610630

Ion Ratio Lower Upper

99 100

42 22.8 14.5 21.7#

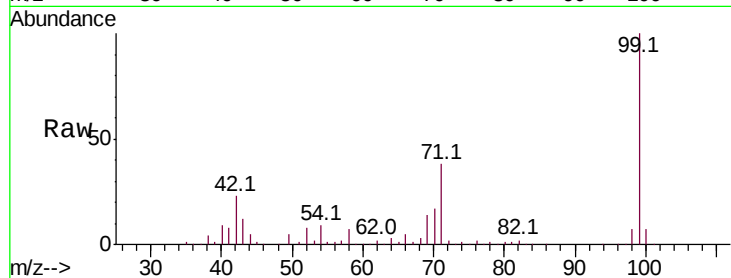
71 37.9 25.4 38.0

Manual Integrations

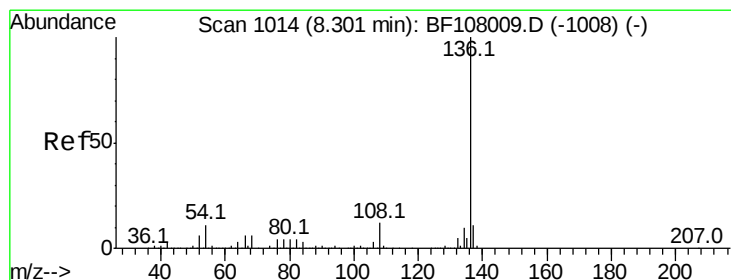
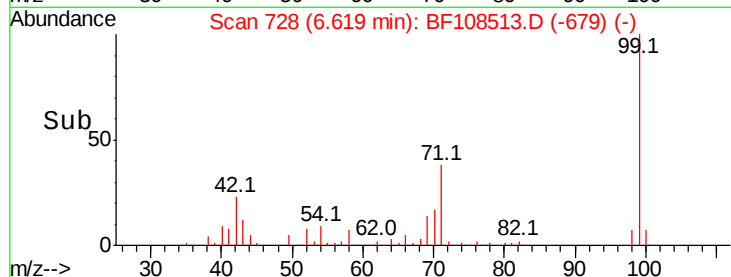
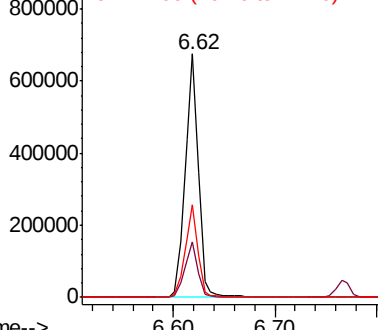
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108513.D

Acq: 27 Aug 2018 16:28

Tgt Ion: 136 Resp: 451054

Ion Ratio Lower Upper

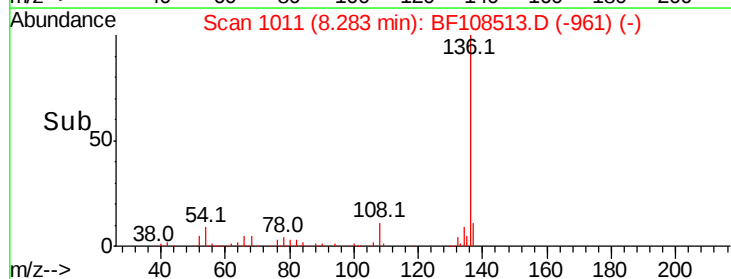
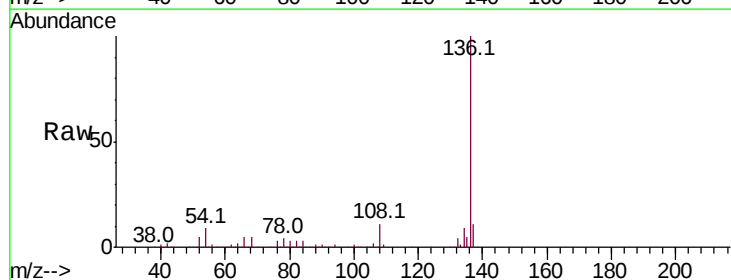
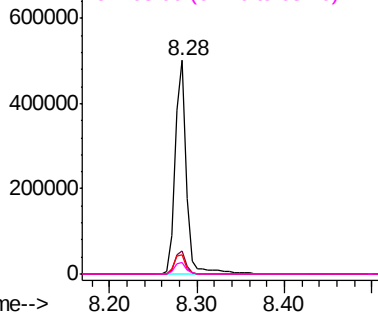
136 100

137 10.9 8.9 13.3

54 9.1 6.6 9.8

68 5.4 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





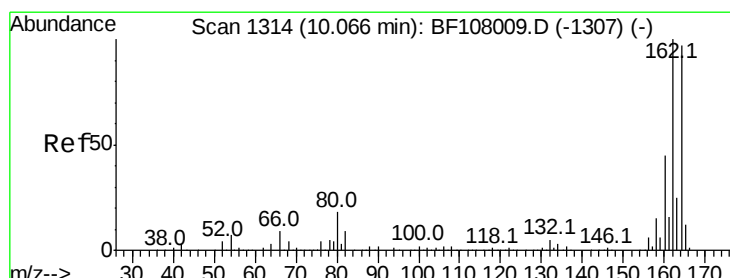
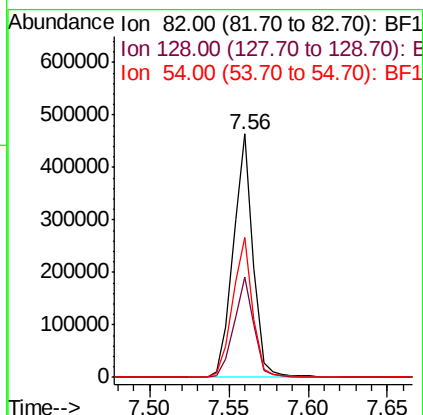
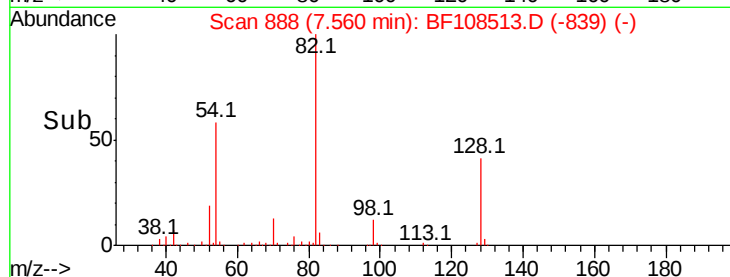
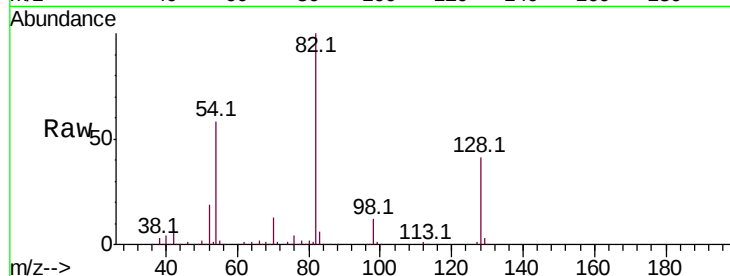
#23
Nitrobenzene-d5
Concen: 49.810 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

Instrument :
BNA_F
ClientSampleId :
EP1-Q4-FD01

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.3	36.1	54.1
54	57.6	41.4	62.2

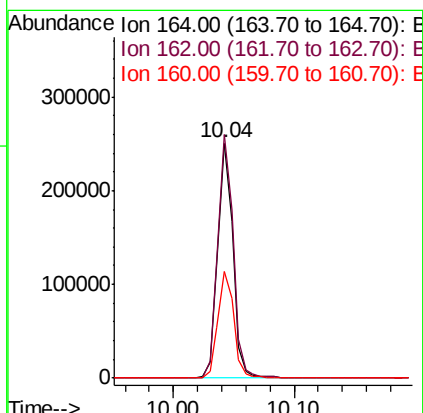
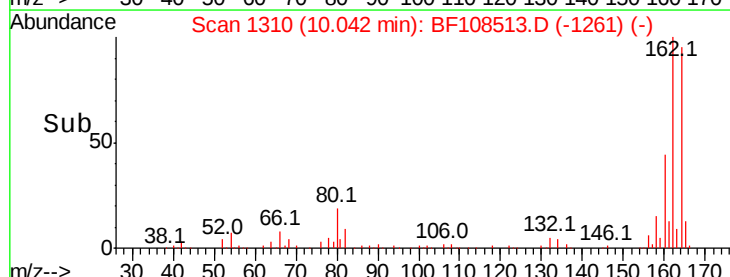
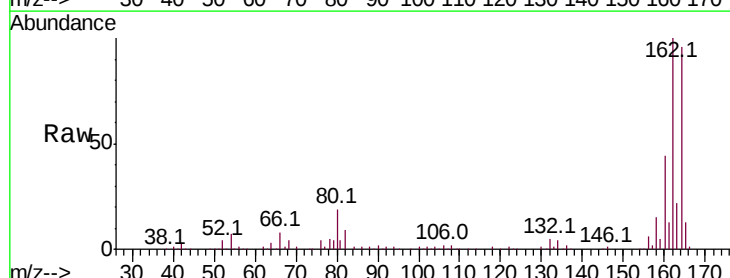
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.1	129.1
160	45.3	38.3	57.5





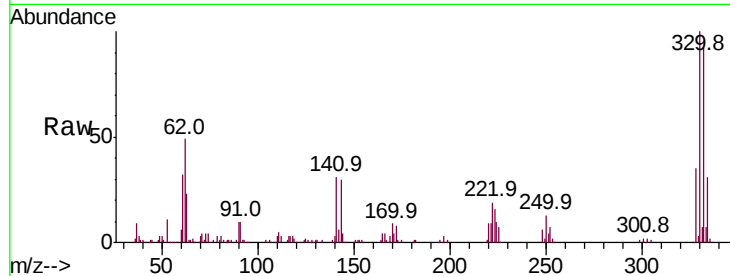
#41
 2,4,6-Tribromophenol
 Concen: 65.522 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108513.D
 Acq: 27 Aug 2018 16:28

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q4-FD01

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	32.7	29.9	44.9

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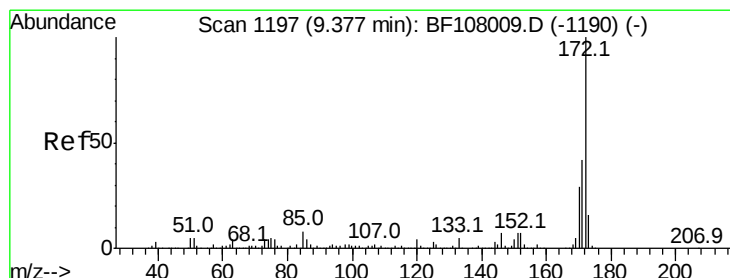
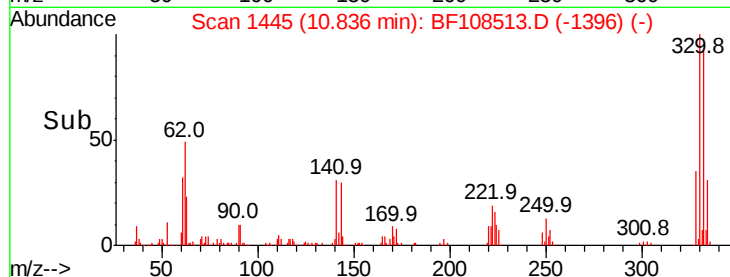
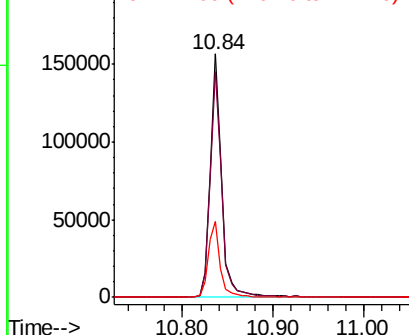


Abundance

Ion 329.80 (329.50 to 330.50): E

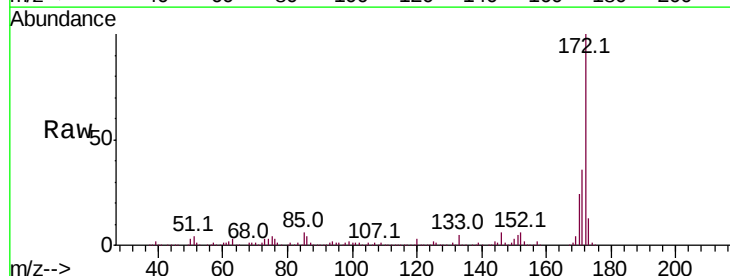
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 58.921 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108513.D
 Acq: 27 Aug 2018 16:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.2	19.6	29.4

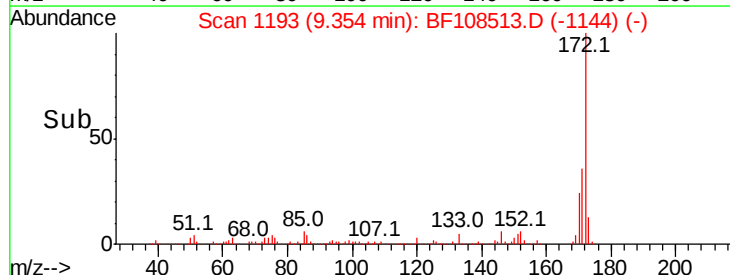
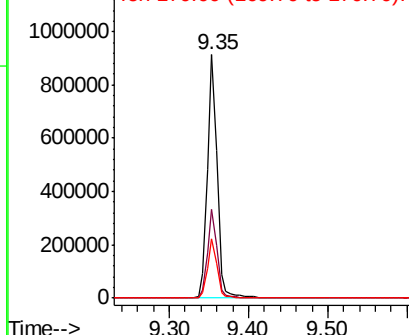


Abundance

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





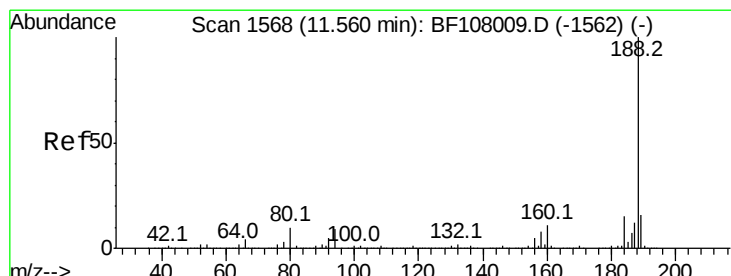
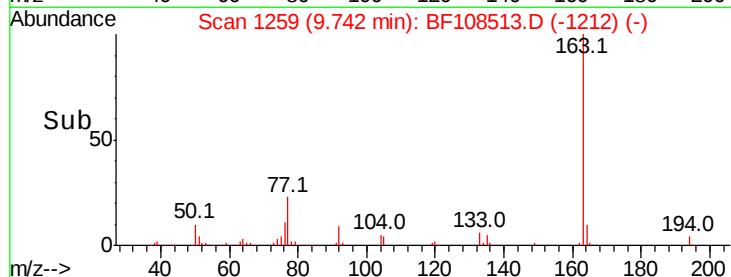
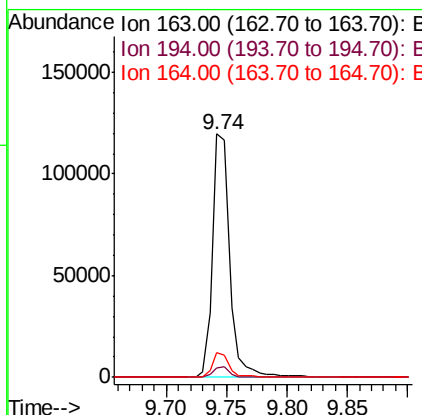
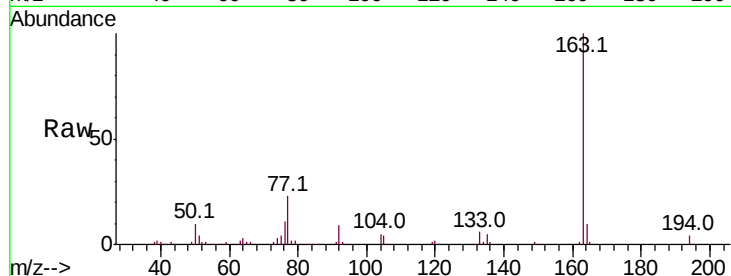
#49
Dimethylphthalate
Concen: 7.858 ng
RT: 9.74 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

Instrument :
BNA_F
ClientSampleId :
EP1-Q4-FD01

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.2	8.2	12.2

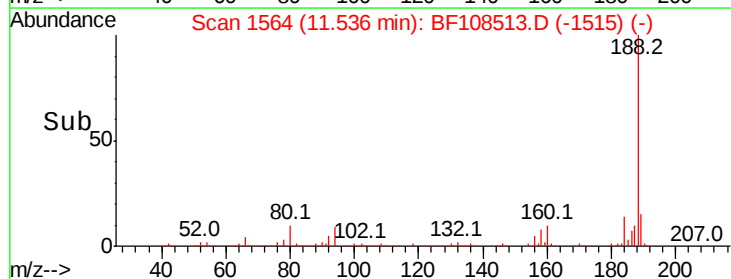
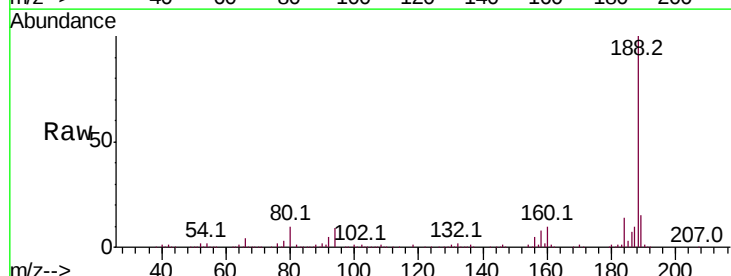
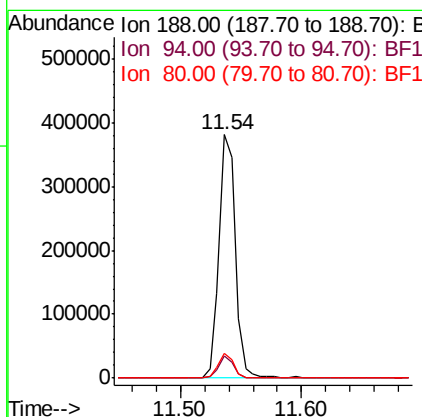
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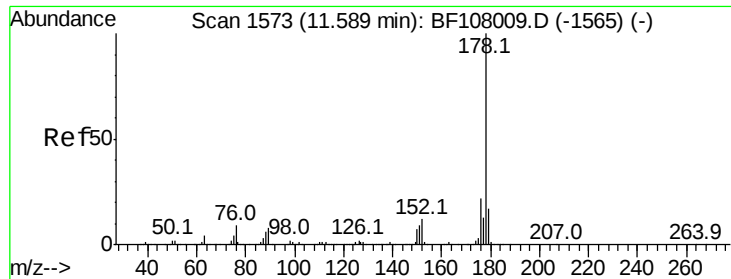
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	10.2	9.2	13.8





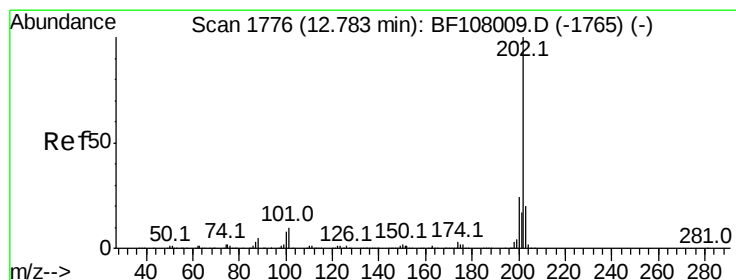
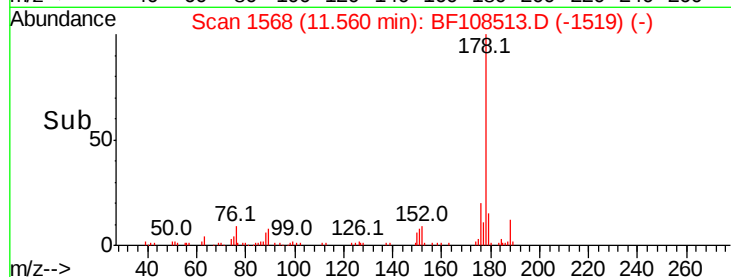
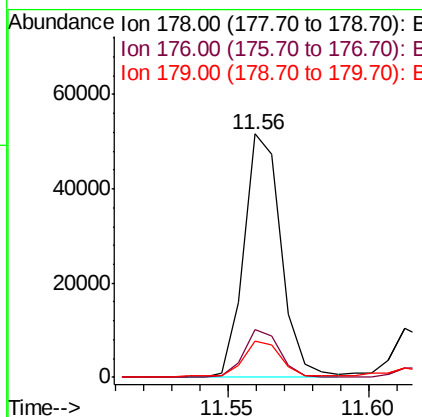
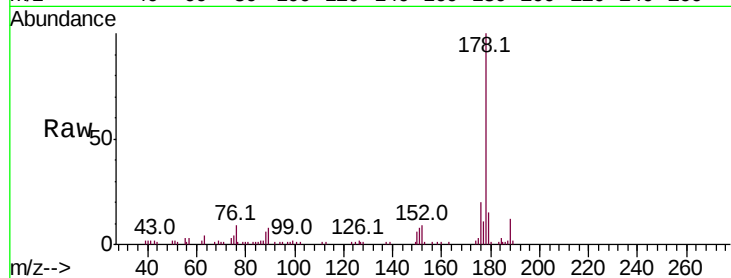
#70
Phenanthrene
Concen: 2.834 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

Instrument :
BNA_F
ClientSampleId :
EP1-Q4-FD01

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	14.9	13.0	19.6

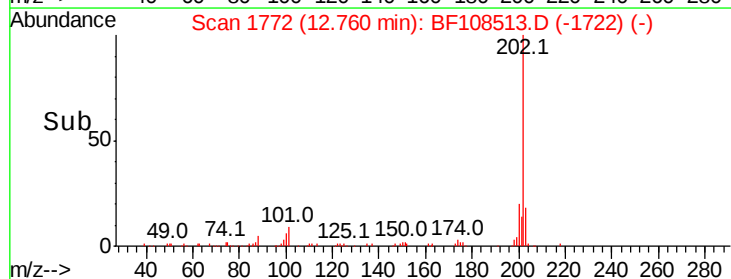
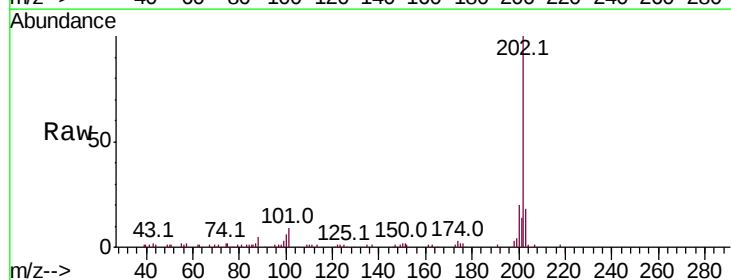
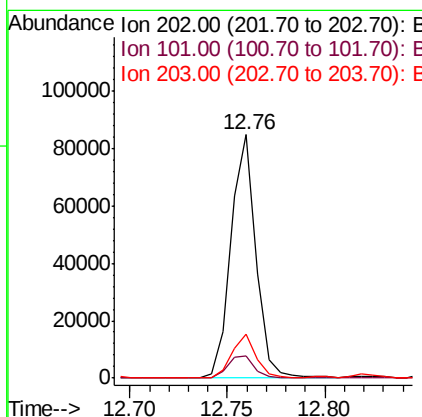
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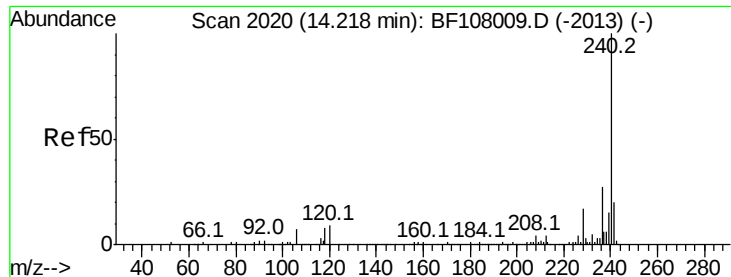
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#74
Fluoranthene
Concen: 4.129 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108513.D

Acq: 27 Aug 2018 16:28

Instrument :

BNA_F

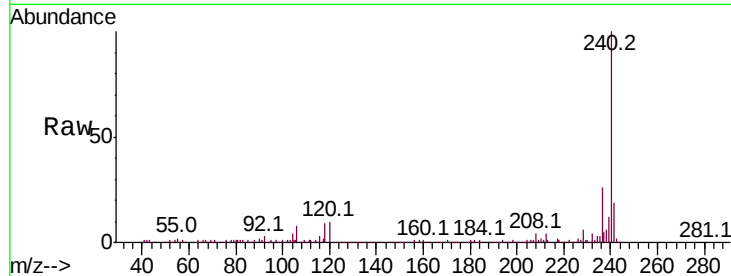
ClientSampleId :

EP1-Q4-FD01

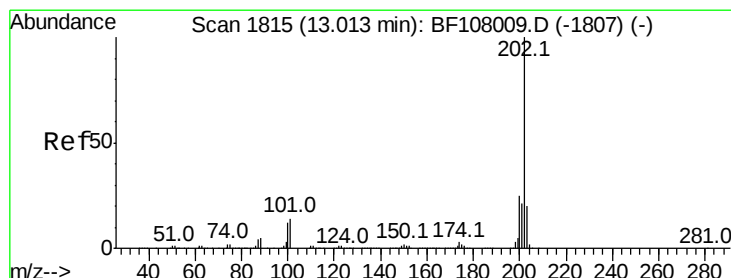
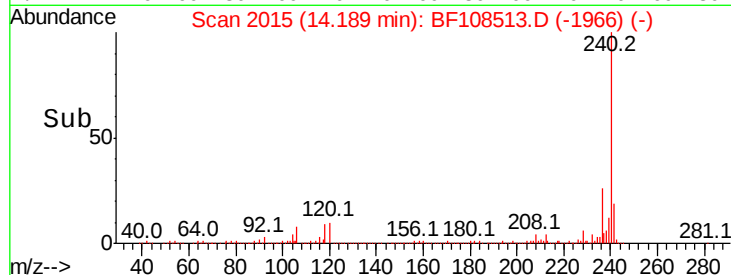
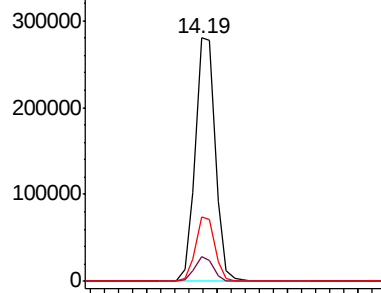
Tot Ion:	240	Resp:	278878
Ion Ratio	Lower	Upper	
240	100		
120	10.1	9.5	14.3
236	26.2	20.7	31.1

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.972 ng

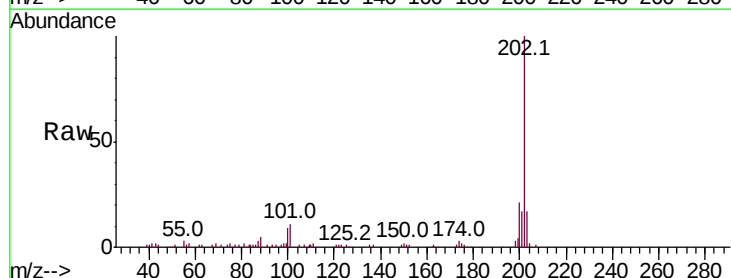
RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

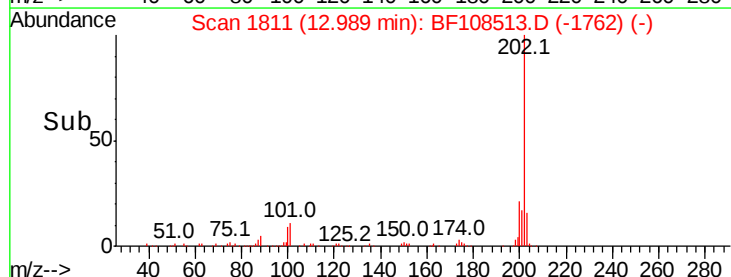
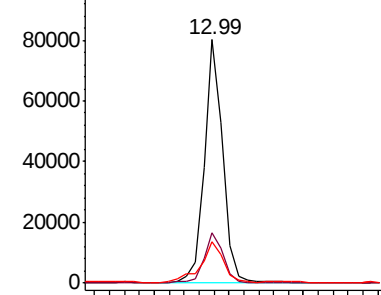
Lab File: BF108513.D

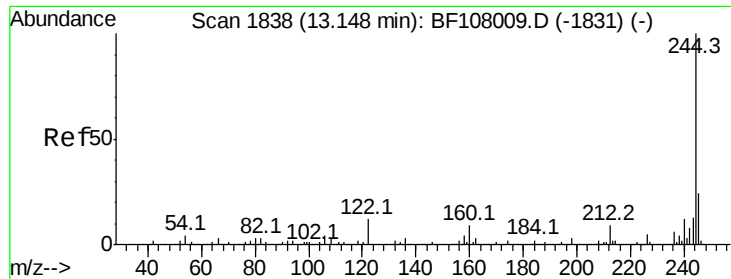
Acq: 27 Aug 2018 16:28

Tgt Ion:	202	Resp:	70127
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	16.8	14.3	21.5



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





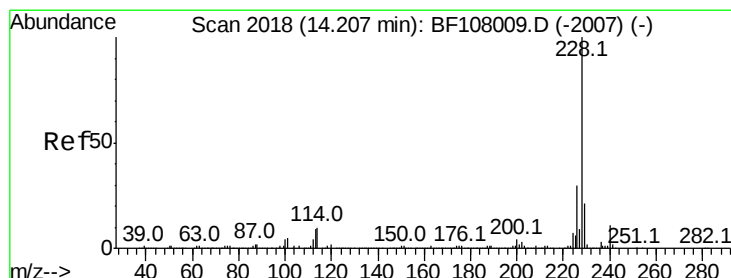
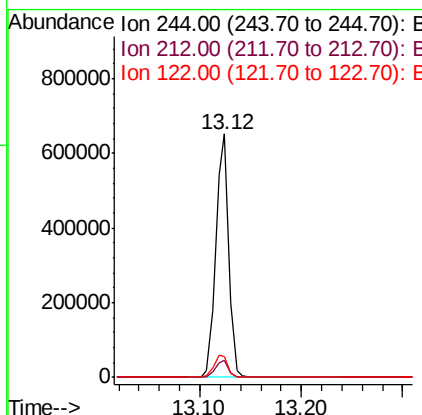
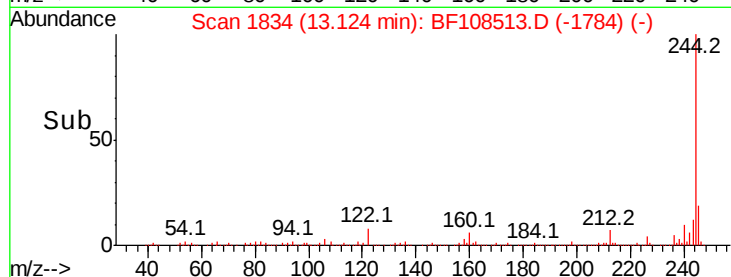
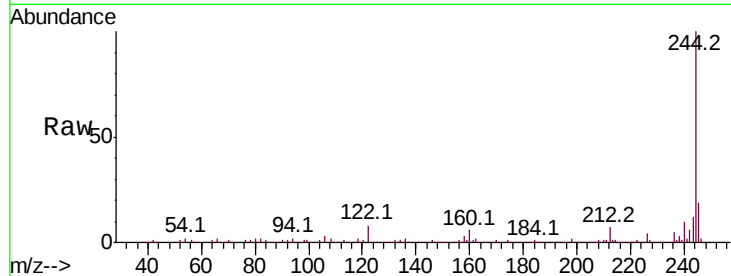
#78
 Terphenyl-d14
 Concen: 52.532 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108513.D
 Acq: 27 Aug 2018 16:28

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q4-FD01

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.9	5.4	8.0	
122	8.4	11.0	16.4	

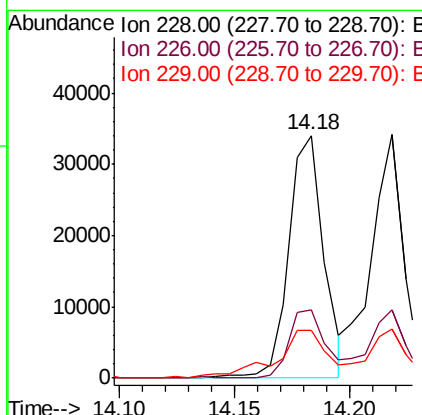
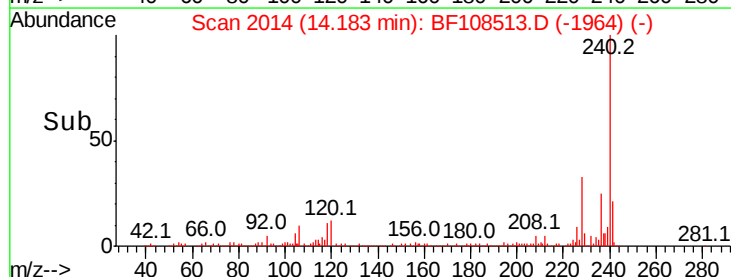
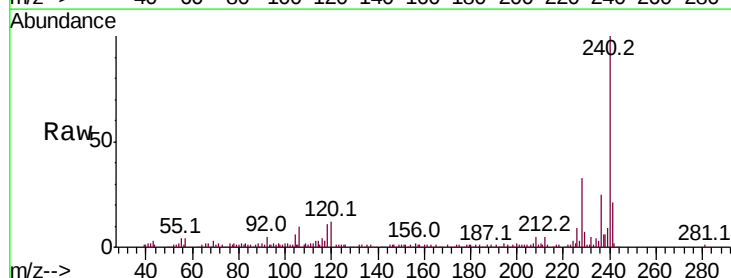
Manual Integrations
 APPROVED

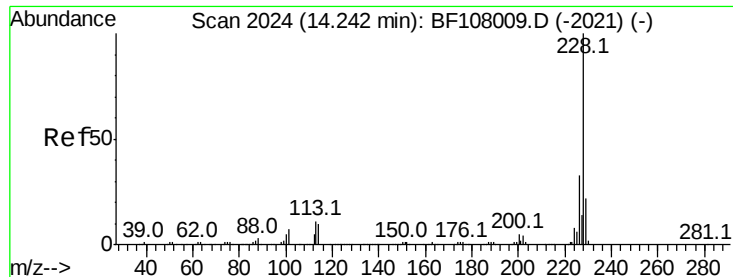
Sohil
 8/27/2018 5:20:43 PM



#80
 Benzo(a)anthracene
 Concen: 2.229 ng
 RT: 14.18 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF108513.D
 Acq: 27 Aug 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.0	22.6	33.8	
229	19.7	15.8	23.6	





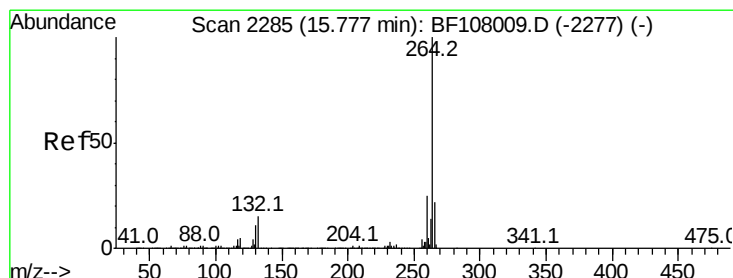
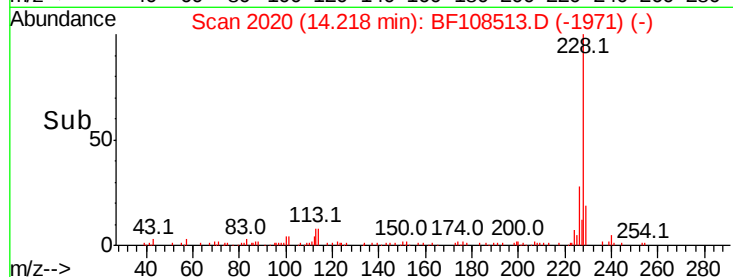
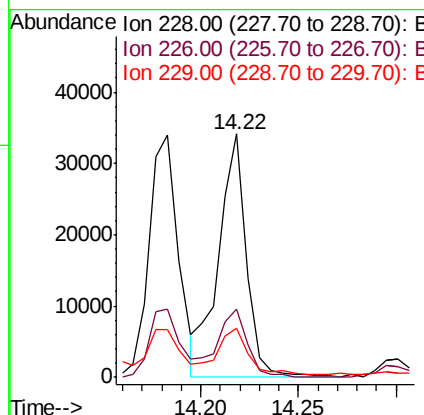
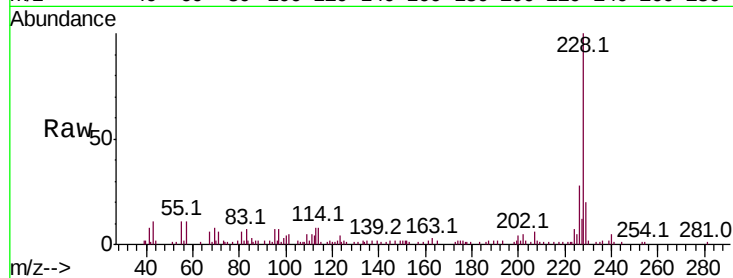
#82
 Chrysene
 Concen: 2.324 ng
 RT: 14.22 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF108513.D
 Acq: 27 Aug 2018 16:28

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q4-FD01

Tot Ion	Ratio	Resp	Lower	Upper
228	100			
226	27.8	25.0	37.6	
229	19.9	16.2	24.4	

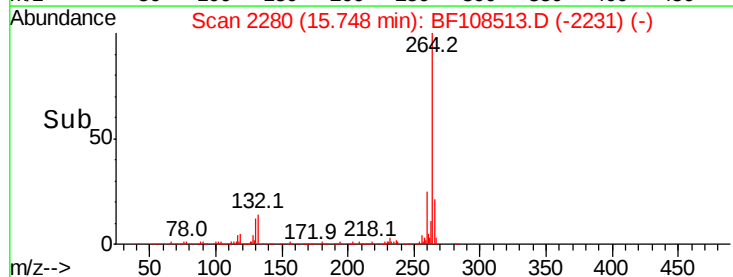
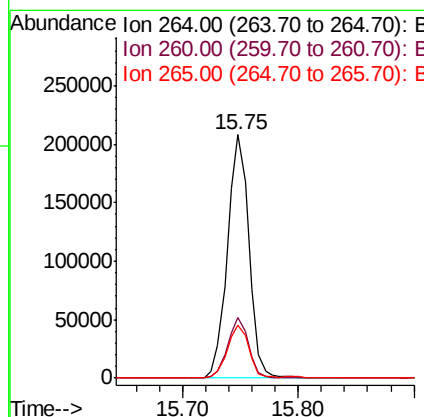
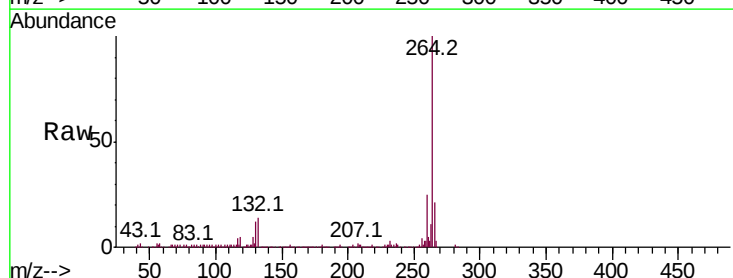
Manual Integrations
 APPROVED

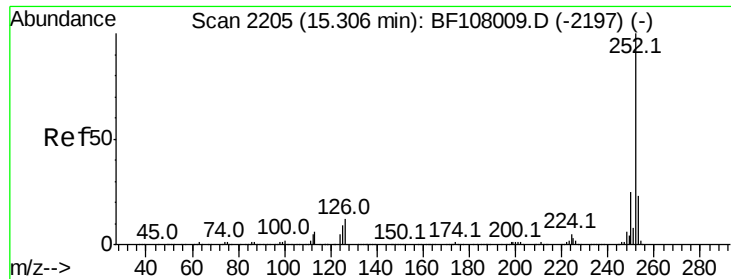
Sohil
 8/27/2018 5:20:43 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.75 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF108513.D
 Acq: 27 Aug 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.8	19.2	28.8	
265	21.5	17.5	26.3	





#87

Benzo(b)fluoranthene

Concen: 3.045 ng

RT: 15.28 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF108513.D

Acq: 27 Aug 2018 16:28

Instrument :

BNA_F

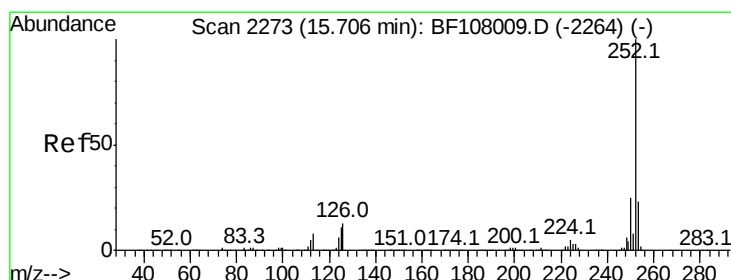
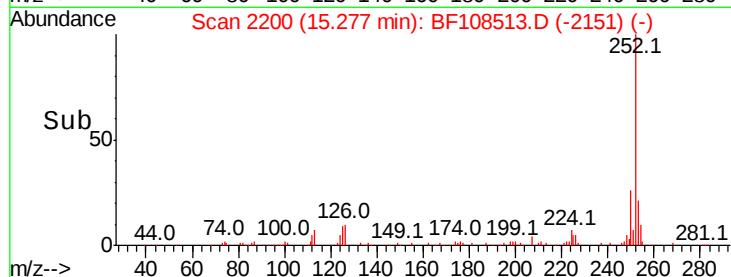
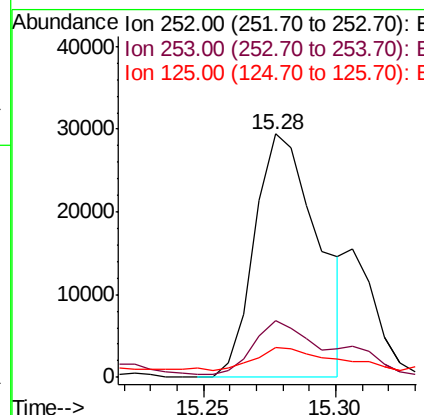
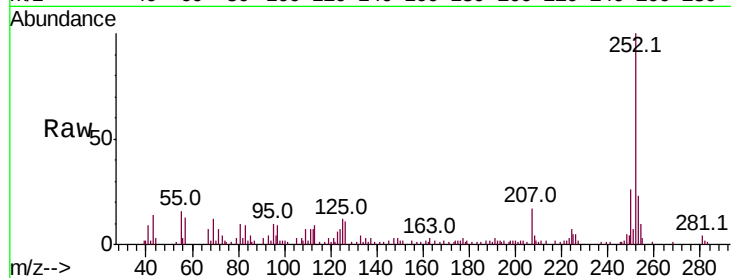
ClientSampleId :

EP1-Q4-FD01

Tot Ion:	252	Resp:	48942
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	12.3	9.0	13.6

Manual Integrations
APPROVED

Sohil
8/27/2018 5:20:43 PM



#89

Benzo(a)pyrene

Concen: 2.212 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF108513.D

Acq: 27 Aug 2018 16:28

Tgt Ion:	252	Resp:	31844
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.1	25.7
125	13.8	9.8	14.6

