

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110517\
 Data File : BF100228.D
 Acq On : 5 Nov 2017 17:12
 Operator : SJ/JU
 Sample : I6257-01 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)

Manual Integrations
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 11/6/2017 2:33:31 PM

Quant Time: Nov 06 07:03:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	87855	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	344734	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	137602	20.00	ng	-0.02
63) Phenanthrene-d10	11.29	188	205760	20.00	ng	0.00
75) Chrysene-d12	13.95	240	144041	20.00	ng	0.00
86) Perylene-d12	15.40	264	158757	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	52569	9.39	ng	0.05
7) Phenol-d6	6.46	99	71246	10.74	ng	0.04
23) Nitrobenzene-d5	7.36	82	36541	6.82	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	11787	9.40	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	87673	9.83	ng	-0.01
78) Terphenyl-d14	12.87	244	58419	8.86	ng	-0.01
Target Compounds						Qvalue
51) Acenaphthene	9.83	154	168971	19.861	ng	99
54) Dibenzofuran	10.01	168	29883	2.488	ng	100
57) Fluorene	10.35	166	67407	6.779	ng	# 98
70) Phenanthrene	11.32	178	1897171	163.380	ng	100
71) Anthracene	11.37	178	852842	72.355	ng	99
72) Carbazole	11.53	167	243302	21.950	ng	98
74) Fluoranthene	12.53	202	3838977	318.124	ng	98
77) Pyrene	12.76	202	3226892	294.619	ng	98
80) Benzo(a)anthracene	13.94	228	1659807	181.773	ng	99
82) Chrysene	13.98	228	1358369	158.234	ng	98
85) Indeno(1,2,3-cd)pyrene	16.87	276	374413	47.510	ng	94
87) Benzo(b)fluoranthene	14.99	252	1335142m	133.185	ng	
88) Benzo(k)fluoranthene	15.02	252	488981m	51.728	ng	
89) Benzo(a)pyrene	15.35	252	852838m	94.707	ng	
90) Dibenzo(a,h)anthracene	16.86	278	88031m	11.002	ng	
91) Benzo(g,h,i)perylene	17.31	276	303312	38.745	ng	97

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

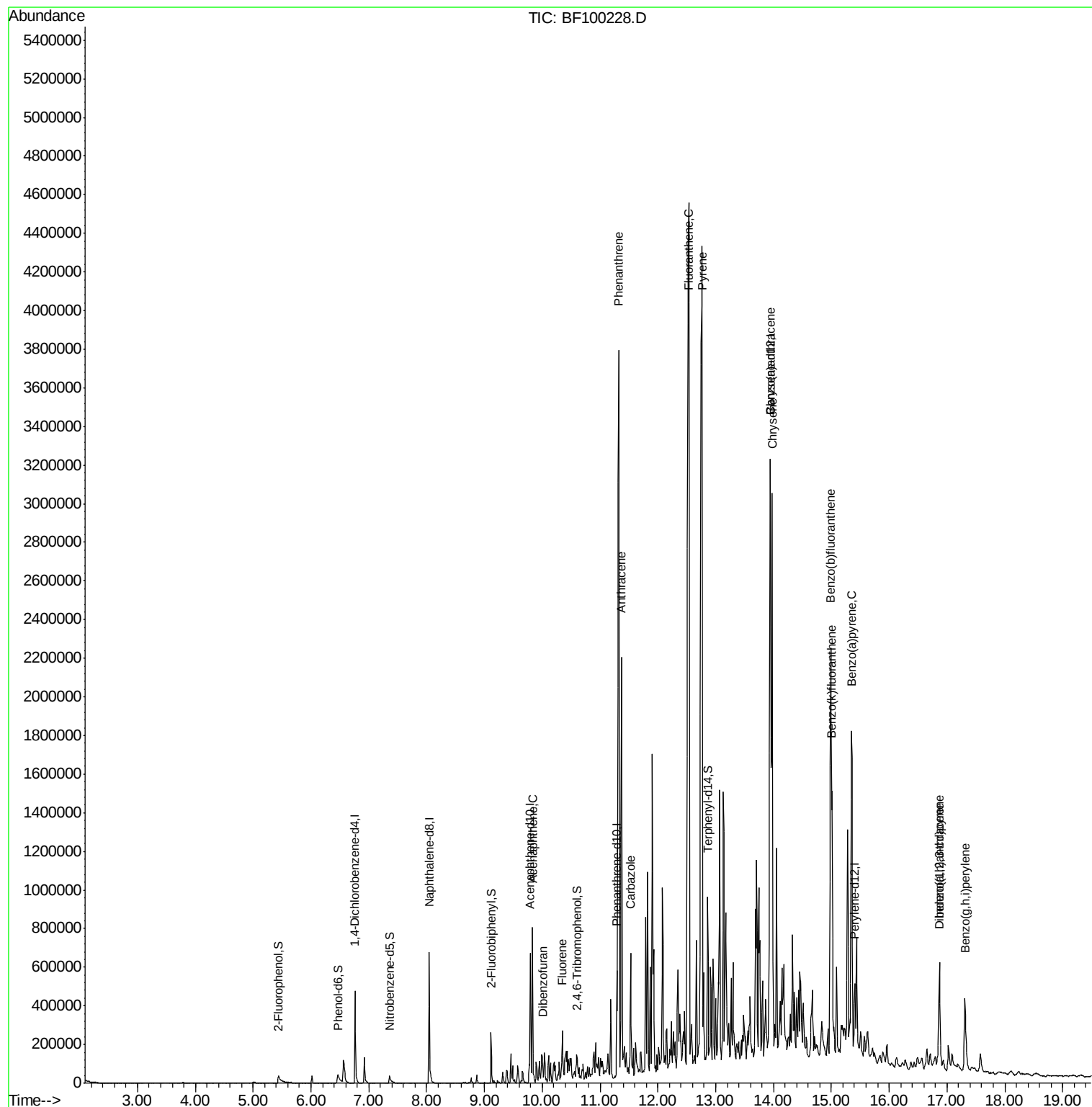
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\
Data File : BF100228.D
Acq On : 5 Nov 2017 17:12
Operator : SJ/JU
Sample : I6257-01 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

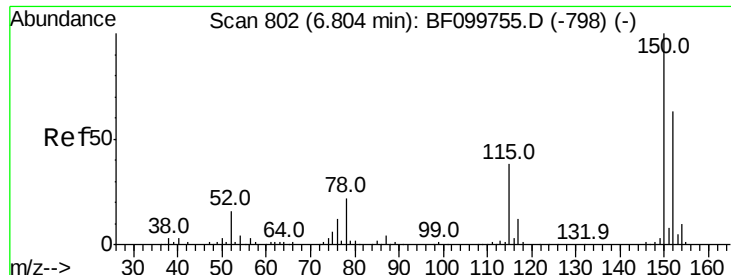
Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)

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Quant Time: Nov 06 07:03:05 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

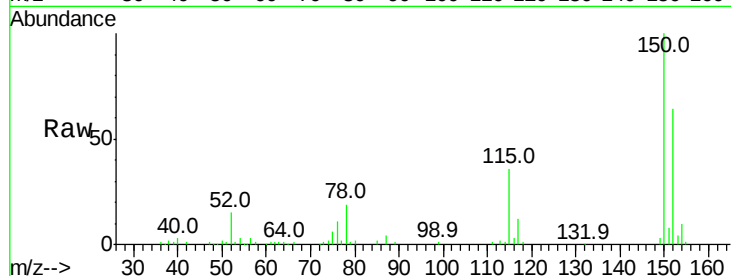
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF100228.D
Acq: 5 Nov 2017 17:12

Instrument :
BNA_F
ClientSampled :
EPE-110-1(0-5)

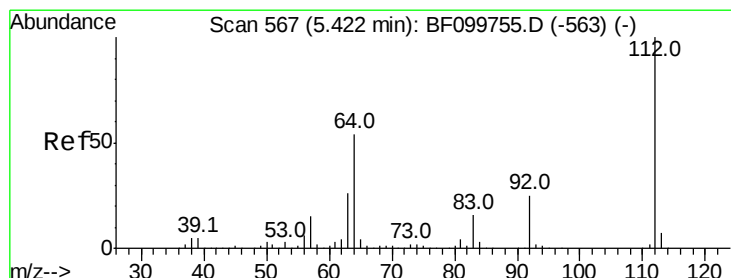
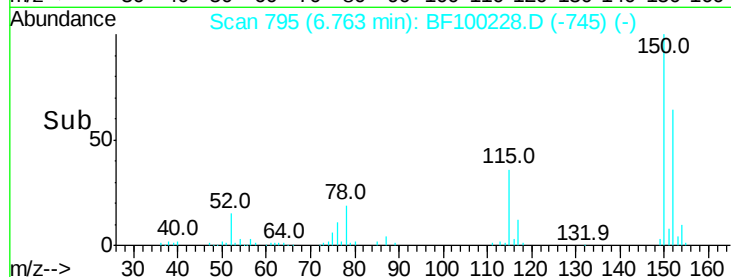
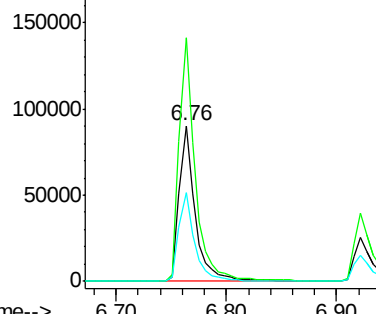
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	56.8	50.1	75.1

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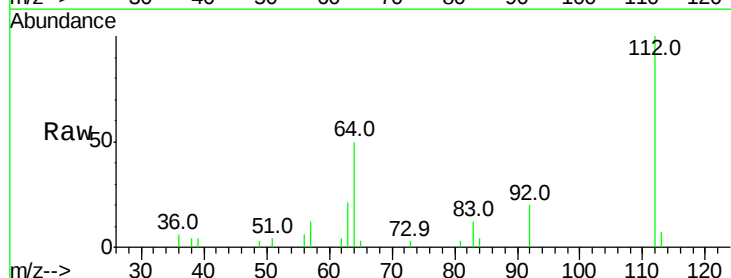
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



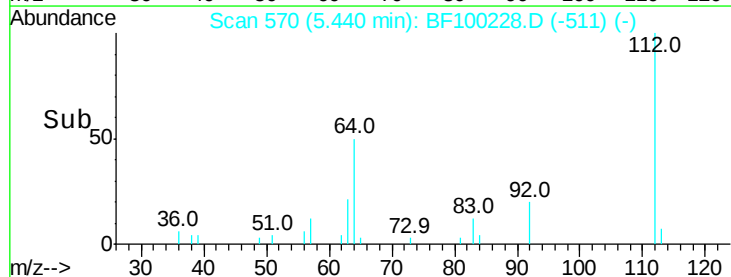
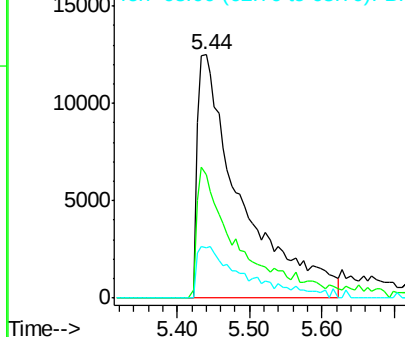
#5

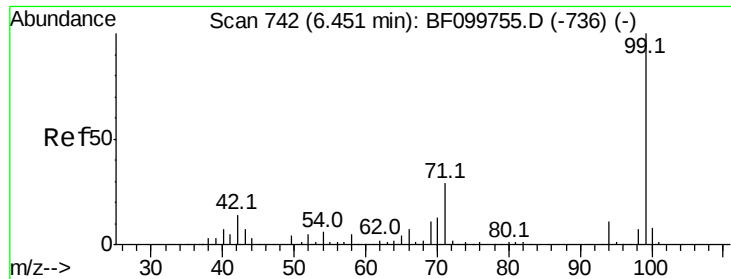
2-Fluorophenol
Concen: 9.394 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.05 min
Lab File: BF100228.D
Acq: 5 Nov 2017 17:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.4	47.9	71.9
63	20.9	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: 10.737 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.04 min

Lab File: BF100228.D

Acq: 5 Nov 2017 17:12

Instrument :

BNA_F

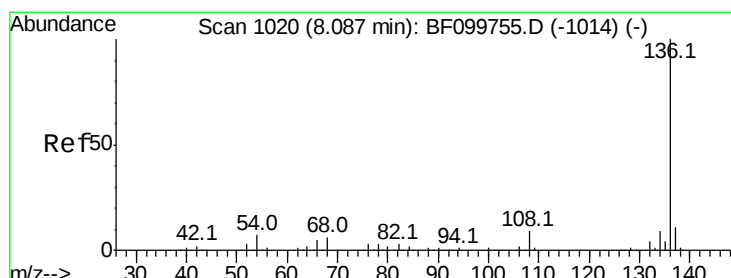
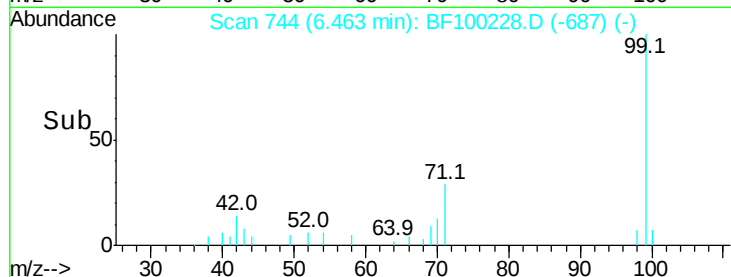
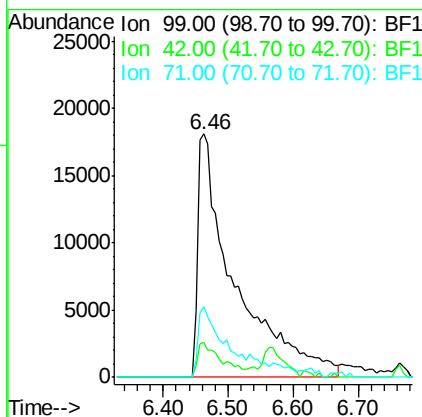
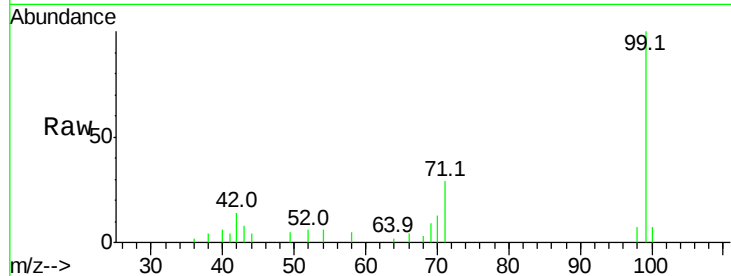
ClientSampleId :

EPE-110-1(0-5)

Tot Ion:	99	Resp:	71246
Ion	Ratio	Lower	Upper
99	100		
42	14.4	14.5	21.7#
71	29.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

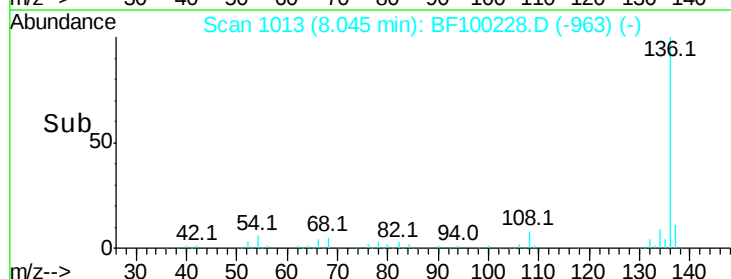
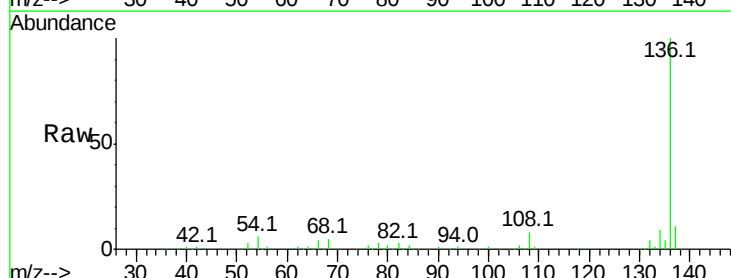
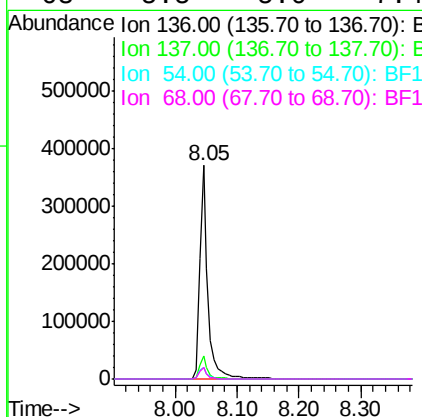
RT: 8.05 min Scan# 1013

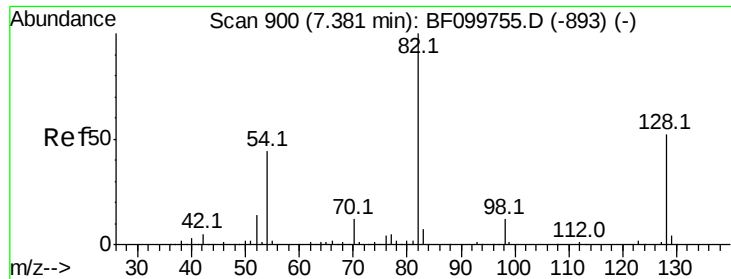
Delta R.T. -0.01 min

Lab File: BF100228.D

Acq: 5 Nov 2017 17:12

Tgt Ion:	136	Resp:	344734
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	5.6	6.6	9.8#
68	5.5	5.0	7.4





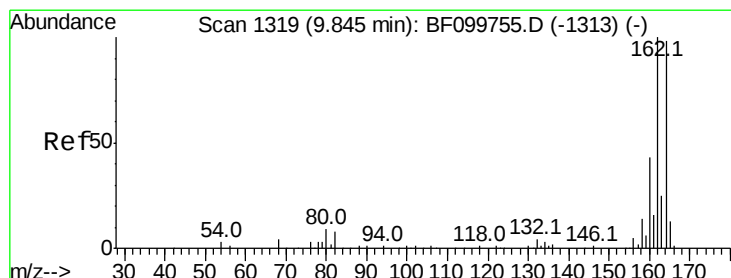
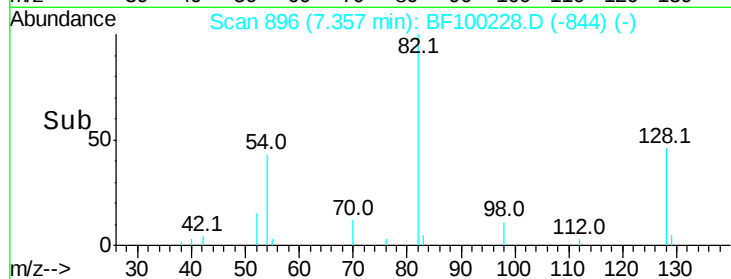
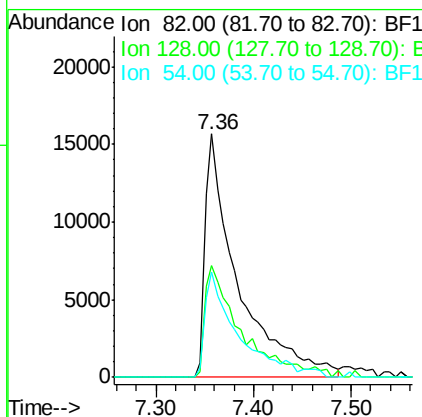
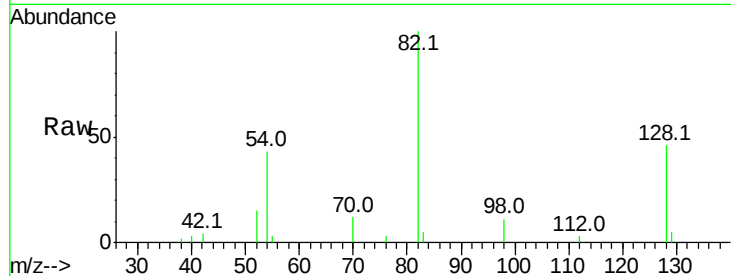
#23
 Nitrobenzene-d5
 Concen: 6.824 ng
 RT: 7.36 min Scan# 896
 Delta R.T. 0.01 min
 Lab File: BF100228.D
 Acq: 5 Nov 2017 17:12

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	43.2	41.4	62.2

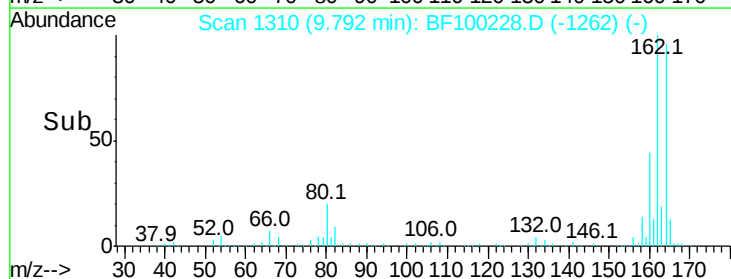
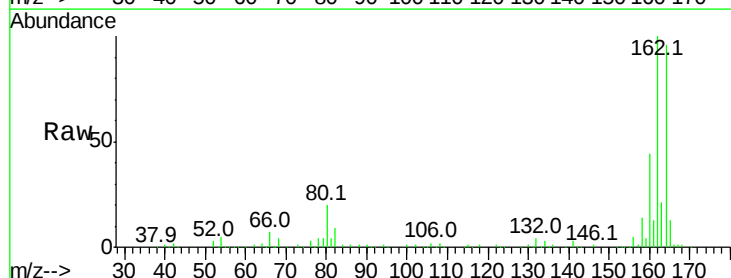
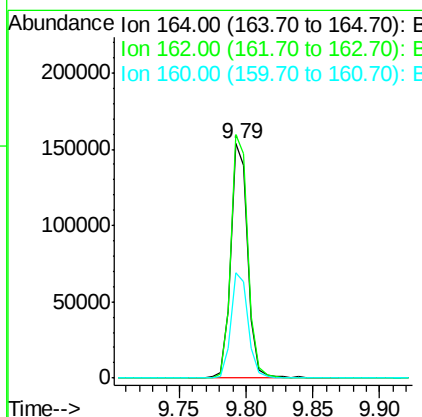
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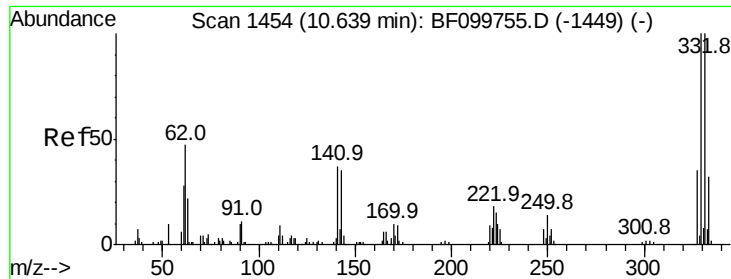
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.02 min
 Lab File: BF100228.D
 Acq: 5 Nov 2017 17:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	86.1	129.1
160	45.3	38.3	57.5





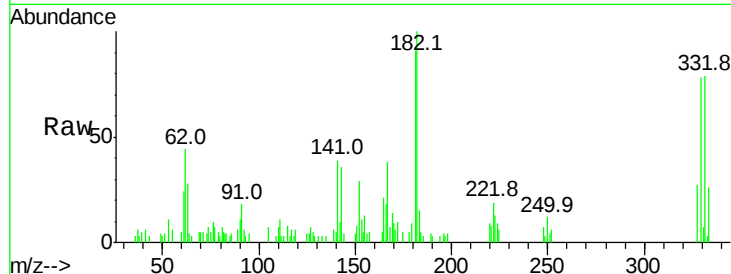
#41
 2,4,6-Tribromophenol
 Concen: 9.400 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF100228.D
 Acq: 5 Nov 2017 17:12

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	77.0	115.6
141	48.0	29.9	44.9#

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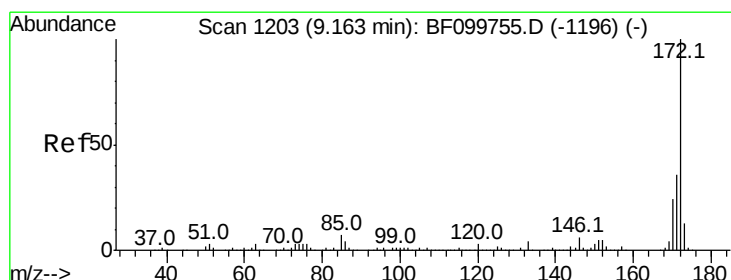
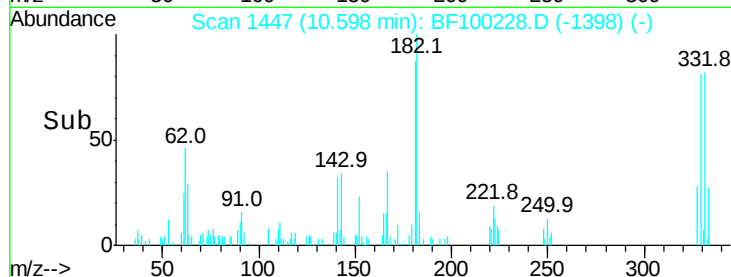
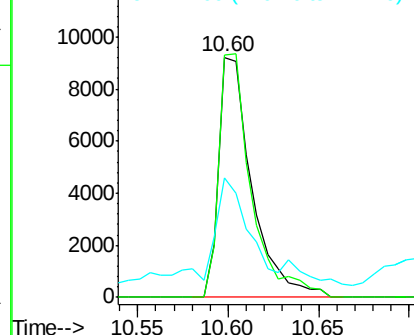


Abundance

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: 9.830 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF100228.D
 Acq: 5 Nov 2017 17:12

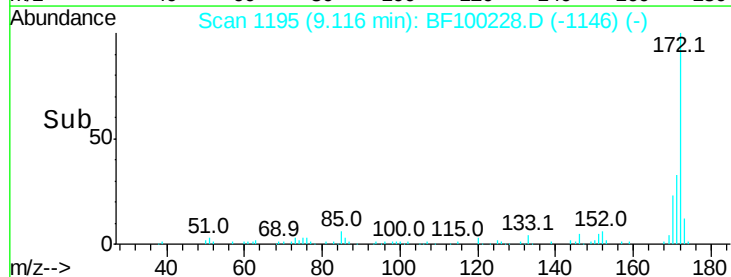
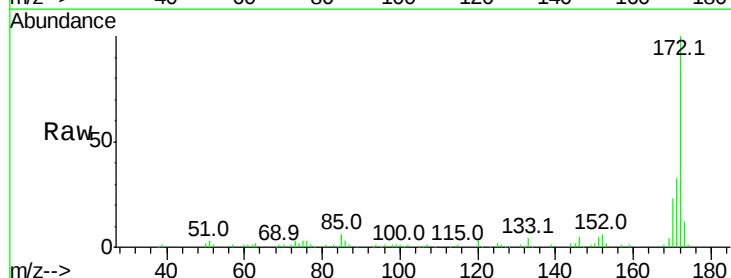
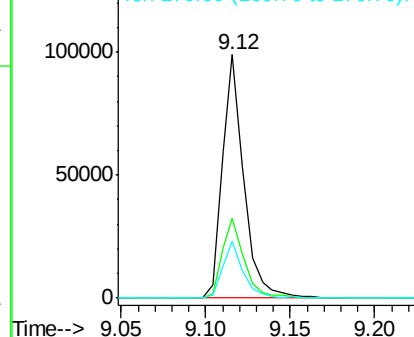
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.0	29.7	44.5
170	23.2	19.6	29.4

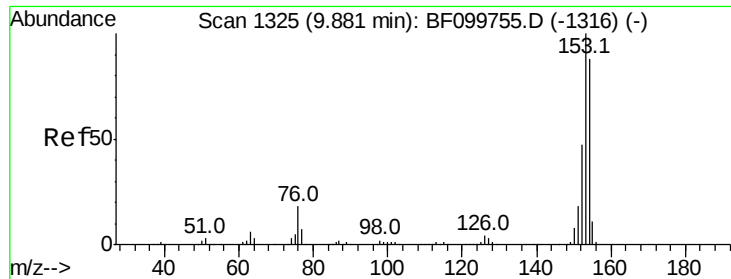
Abundance

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





#51

Acenaphthene

Concen: 19.861 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.02 min

Lab File: BF100228.D

Acq: 5 Nov 2017 17:12

Instrument :

BNA_F

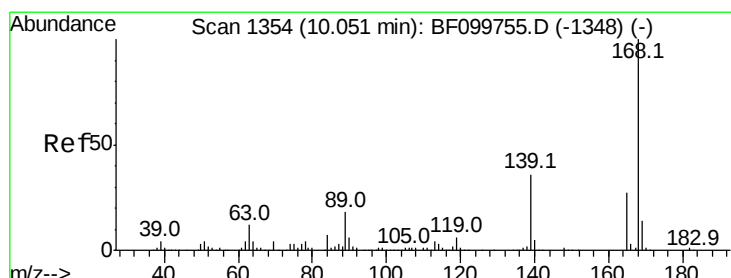
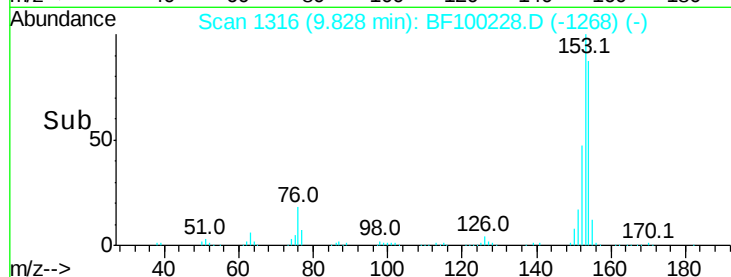
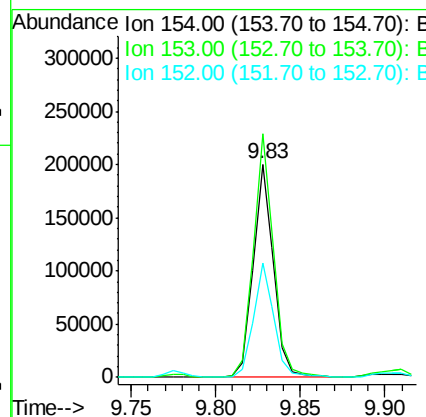
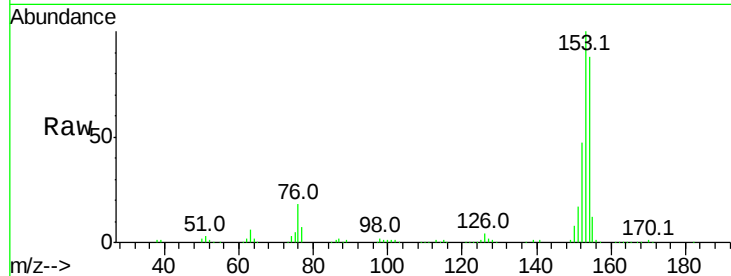
ClientSampleId :

EPE-110-1(0-5)

Tot Ion:	154	Resp:	168971
Ion Ratio	Lower	Upper	
154	100		
153	114.1	91.2	136.8
152	53.9	43.8	65.8

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#54

Dibenzofuran

Concen: 2.488 ng

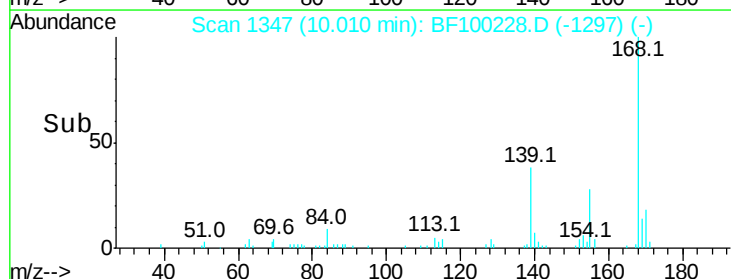
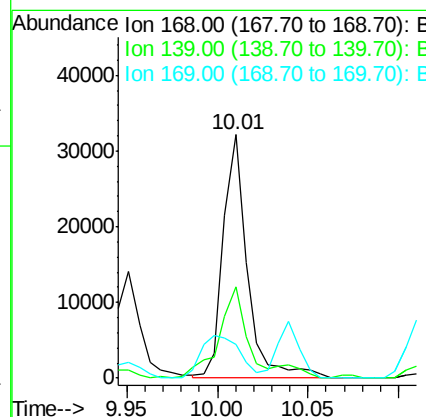
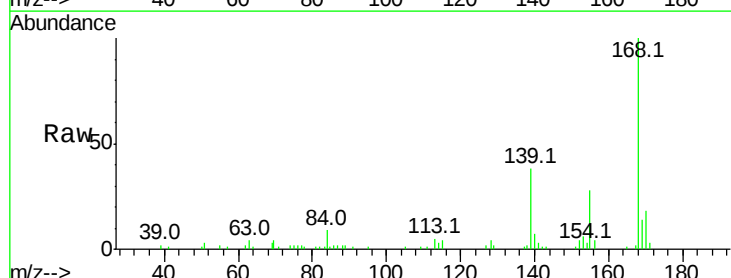
RT: 10.01 min Scan# 1347

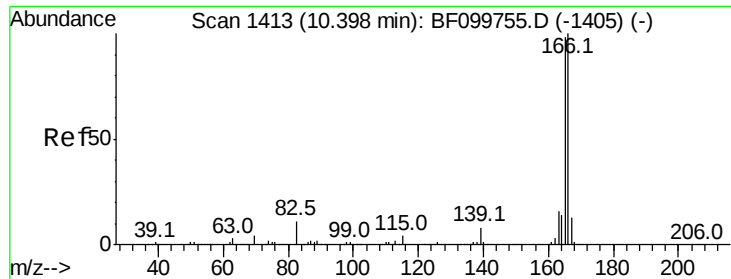
Delta R.T. -0.01 min

Lab File: BF100228.D

Acq: 5 Nov 2017 17:12

Tgt Ion:	168	Resp:	29883
Ion Ratio	Lower	Upper	
168	100		
139	37.6	30.1	45.1
169	13.8	10.9	16.3





#57

Fluorene

Concen: 6.779 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.02 min

Lab File: BF100228.D

Acq: 5 Nov 2017 17:12

Instrument :

BNA_F

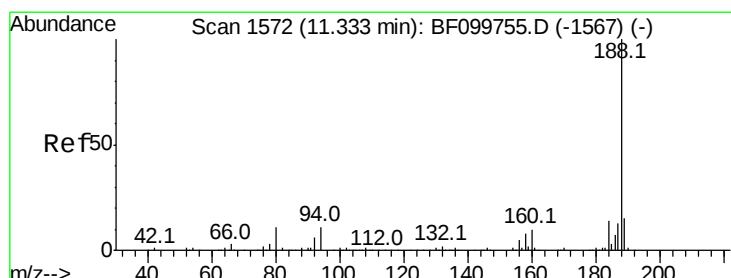
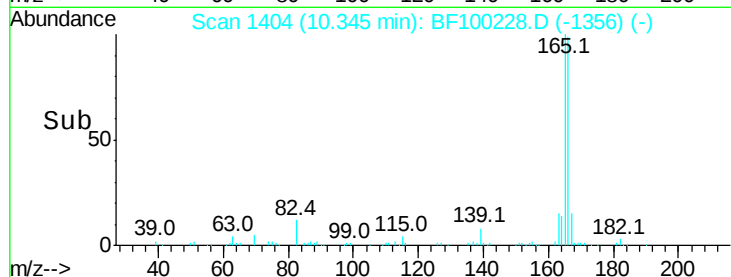
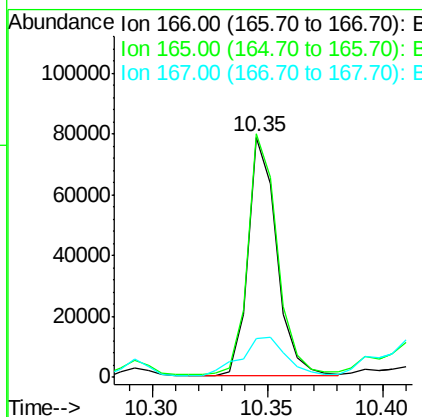
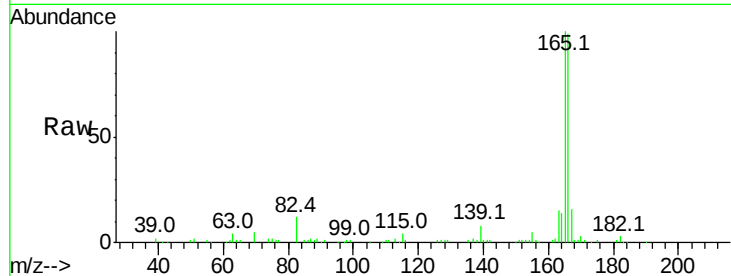
ClientSampleId :

EPE-110-1(0-5)

Tot Ion:	166	Resp:	67407
Ion Ratio	Lower	Upper	
166	100		
165	101.4	79.8	119.8
167	16.4	10.6	16.0#

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

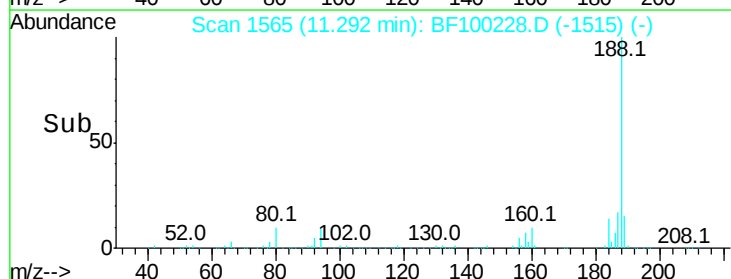
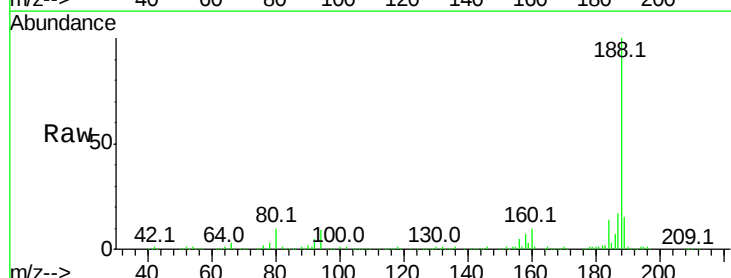
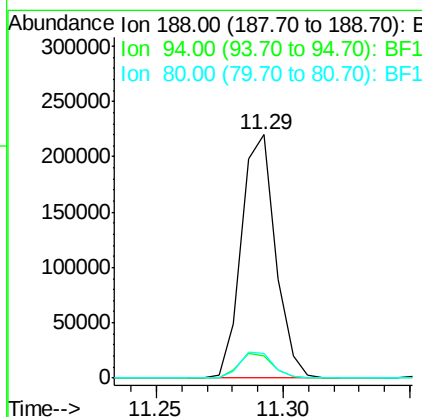
RT: 11.29 min Scan# 1565

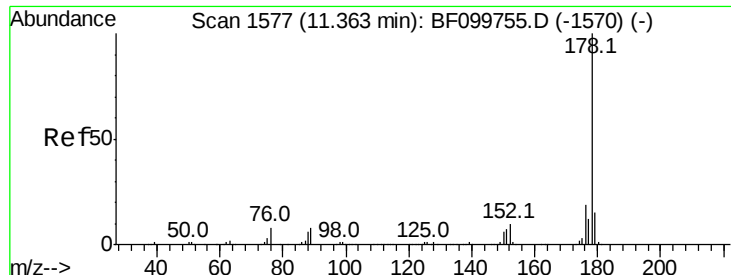
Delta R.T. -0.01 min

Lab File: BF100228.D

Acq: 5 Nov 2017 17:12

Tgt Ion:	188	Resp:	205760
Ion Ratio	Lower	Upper	
188	100		
94	9.1	8.5	12.7
80	10.0	9.2	13.8





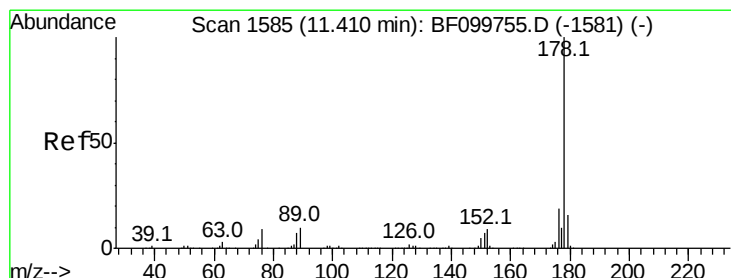
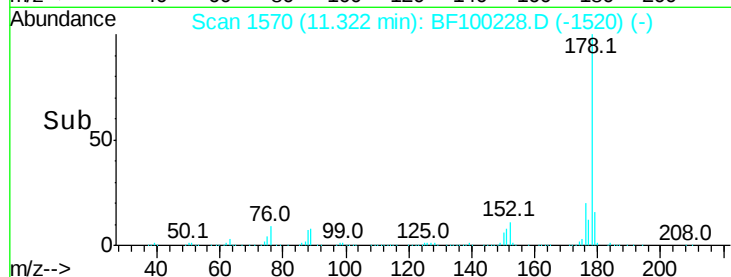
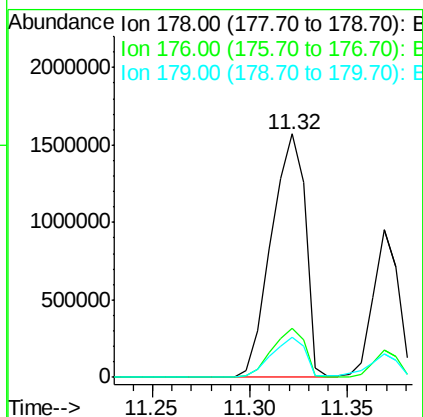
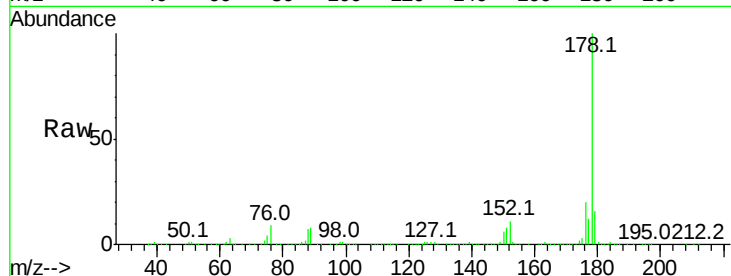
#70
Phenanthrene
Concen: 163.380 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF100228.D
Acq: 5 Nov 2017 17:12

Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	16.4	13.0	19.6

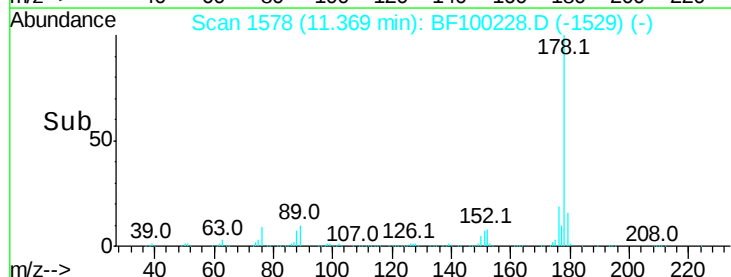
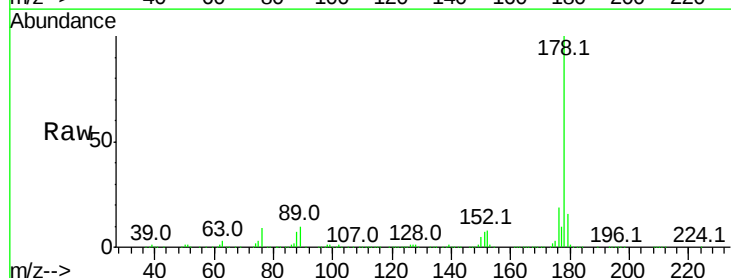
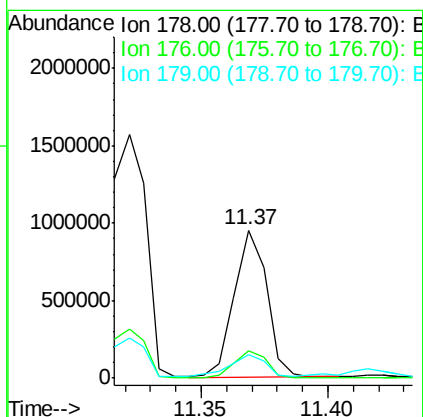
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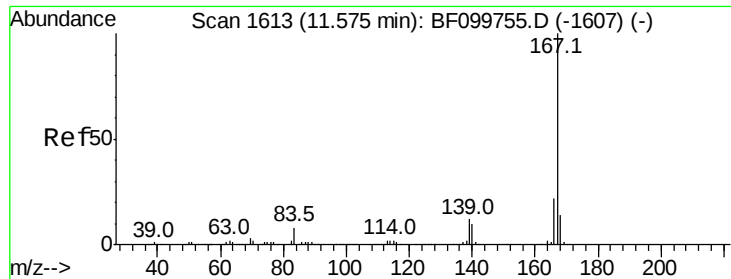
Sohil
11/6/2017 2:33:31 PM



#71
Anthracene
Concen: 72.355 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF100228.D
Acq: 5 Nov 2017 17:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.9	12.6	19.0





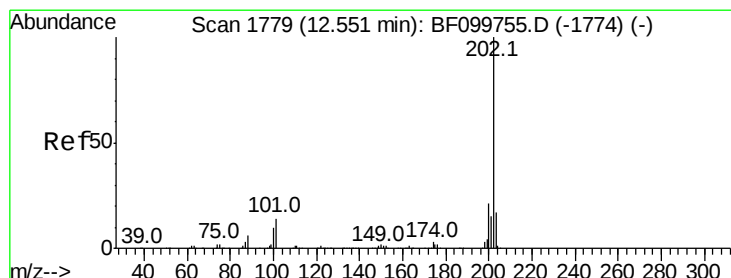
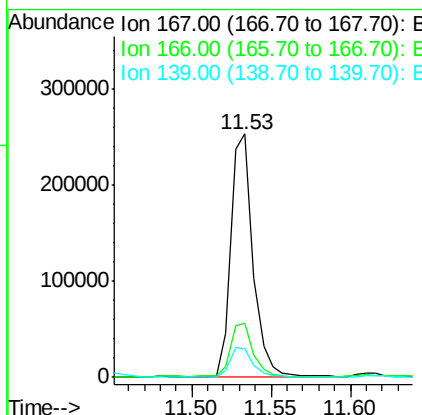
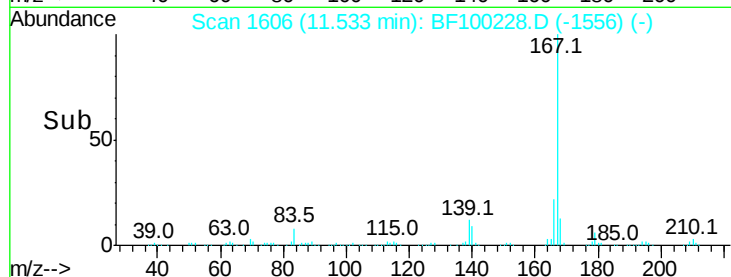
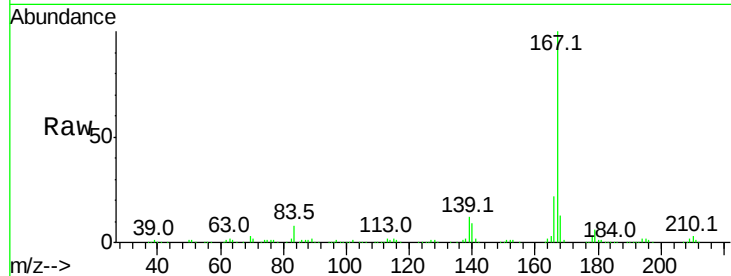
#72
 Carbazole
 Concen: 21.950 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF100228.D
 Acq: 5 Nov 2017 17:12

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.6	26.4
139	11.8	10.9	16.3

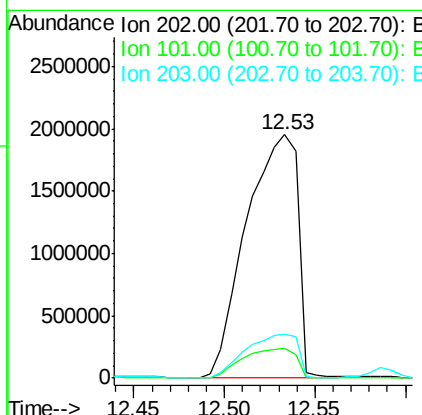
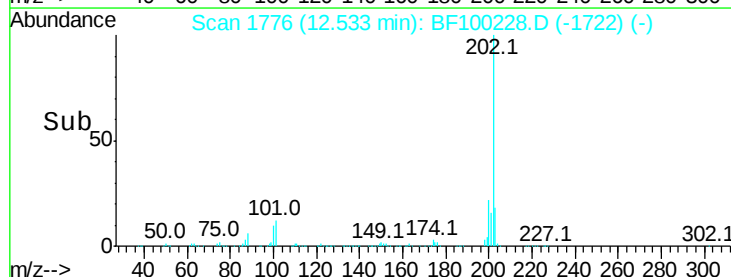
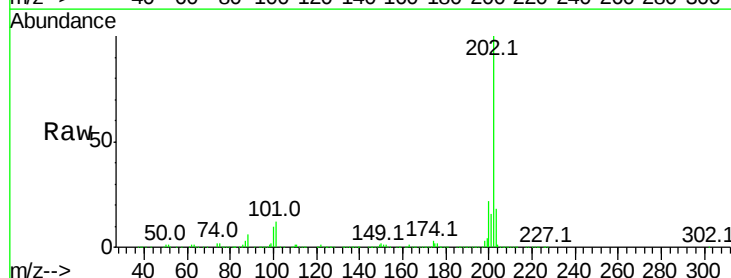
Manual Integrations
 APPROVED

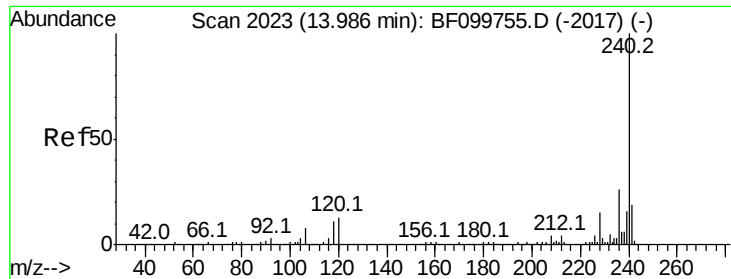
Sohil
 11/6/2017 2:33:31 PM



#74
 Fluoranthene
 Concen: 318.124 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.02 min
 Lab File: BF100228.D
 Acq: 5 Nov 2017 17:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.1
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF100228.D

Acq: 5 Nov 2017 17:12

Instrument :

BNA_F

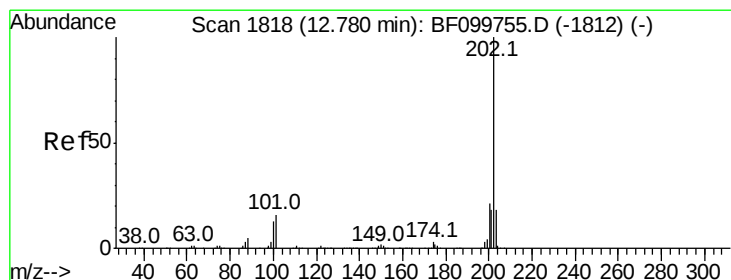
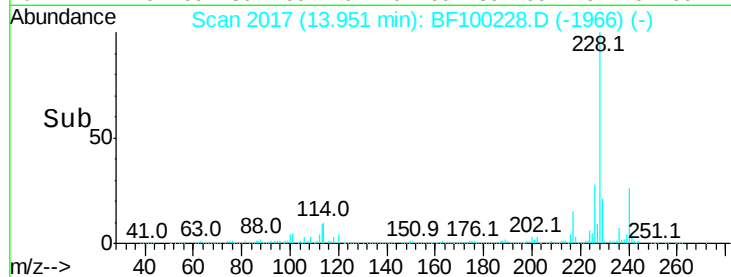
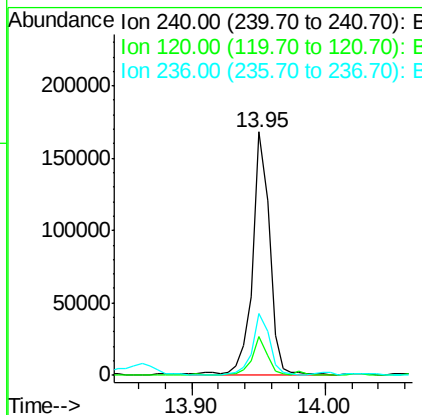
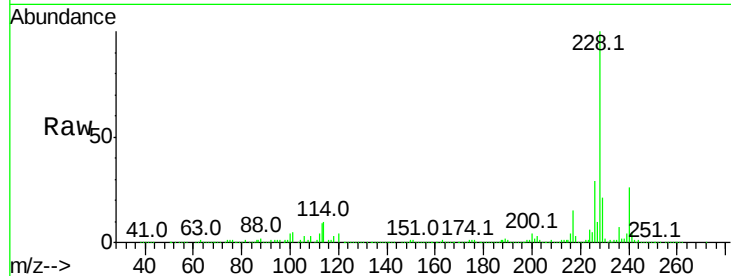
ClientSampleId :

EPE-110-1(0-5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.9	9.5	14.3
236	25.6	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 294.619 ng

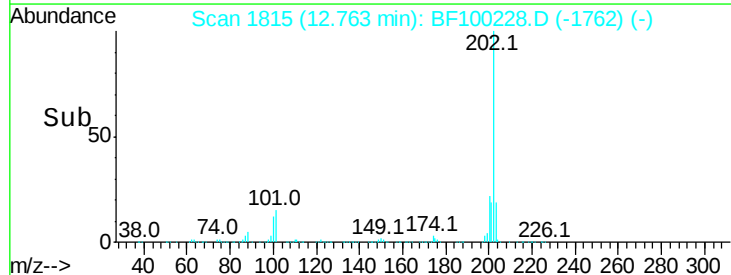
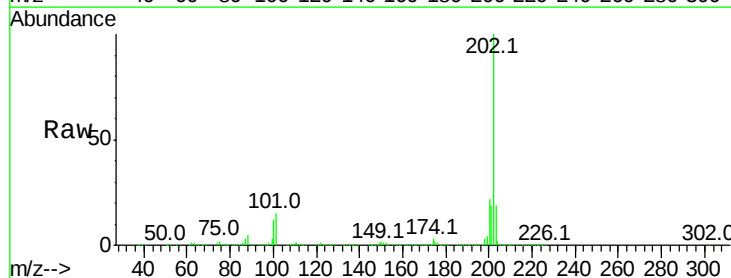
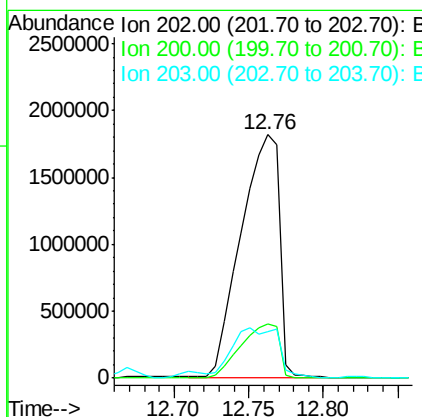
RT: 12.76 min Scan# 1815

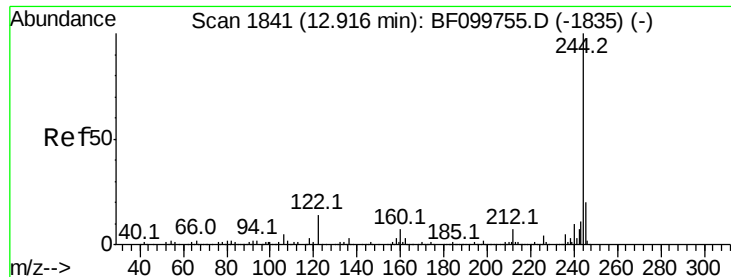
Delta R.T. 0.01 min

Lab File: BF100228.D

Acq: 5 Nov 2017 17:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	19.2	14.3	21.5





#78

Terphenyl-d14

Concen: 8.863 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF100228.D

Acq: 5 Nov 2017 17:12

Instrument :

BNA_F

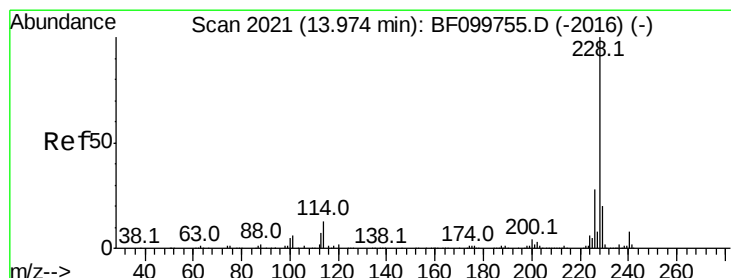
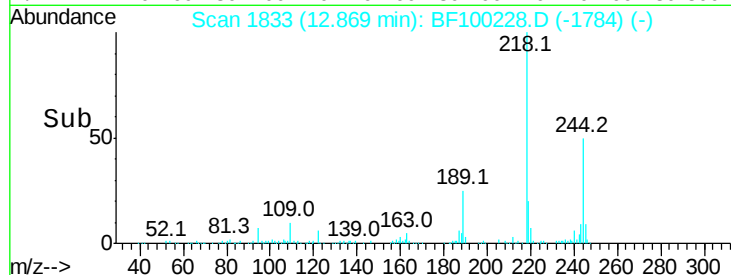
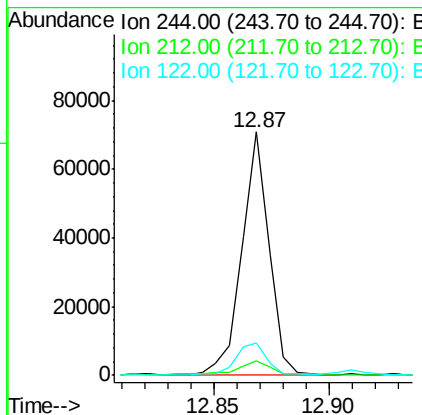
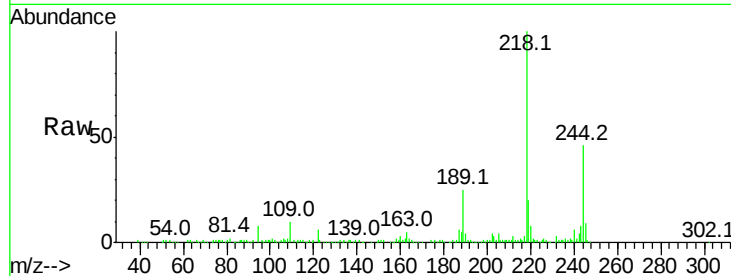
ClientSampleId :

EPE-110-1(0-5)

Tot Ion:	244	Resp:	58419
Ion Ratio	Lower	Upper	
244	100		
212	5.8	5.4	8.0
122	13.4	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 181.773 ng

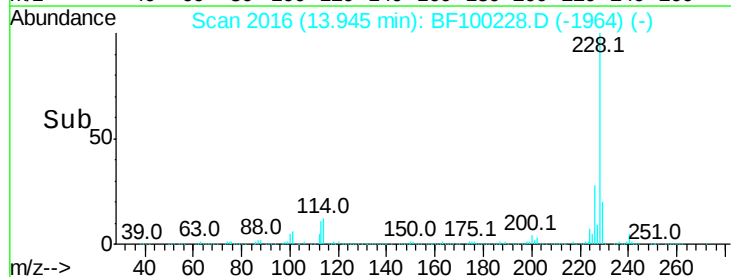
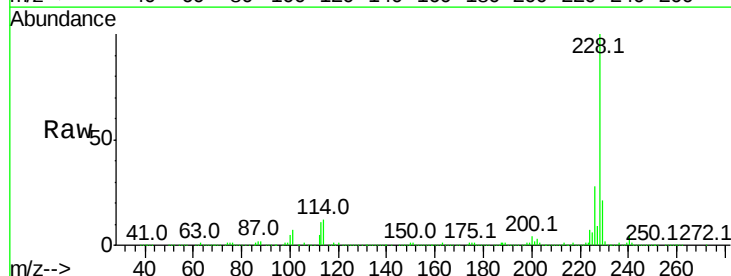
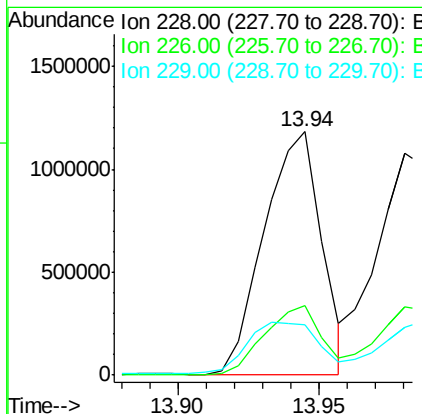
RT: 13.94 min Scan# 2016

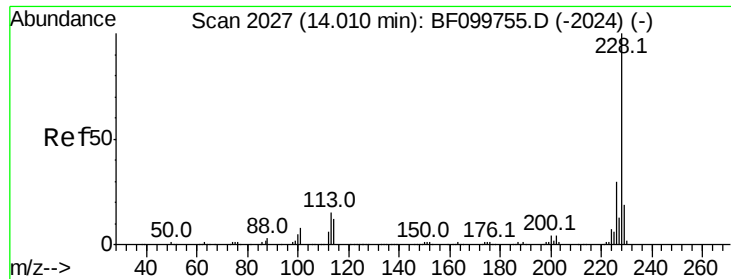
Delta R.T. 0.01 min

Lab File: BF100228.D

Acq: 5 Nov 2017 17:12

Tgt Ion:	228	Resp:	1659807
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.6	33.8
229	20.8	15.8	23.6





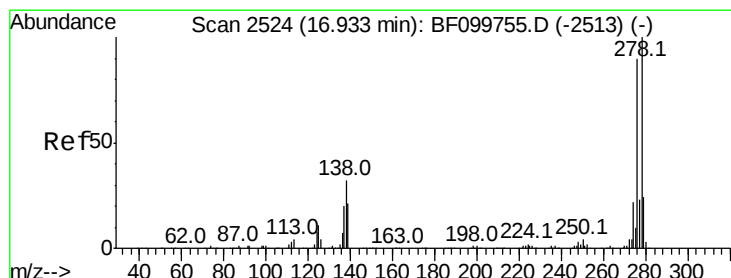
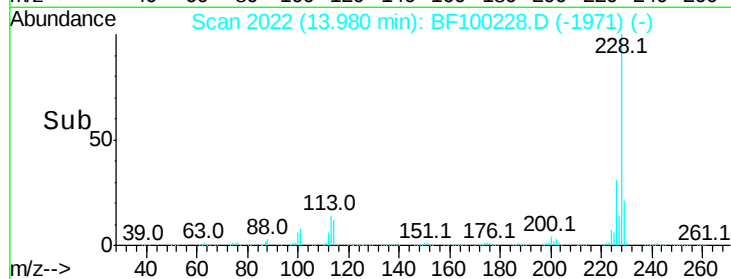
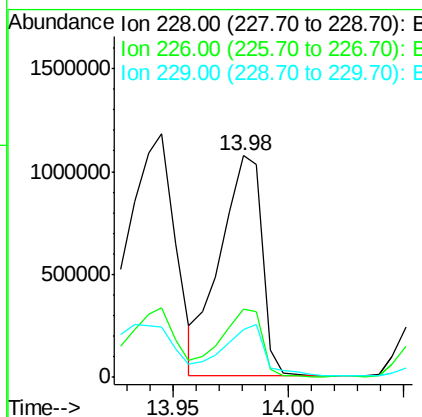
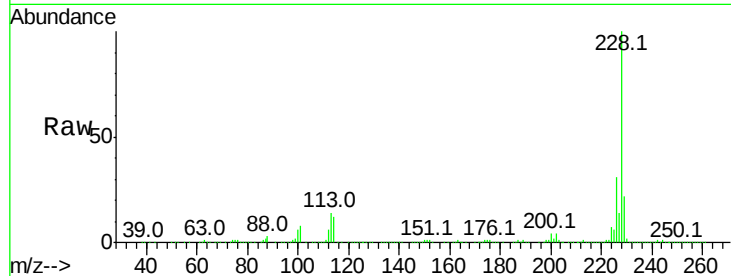
#82
Chrysene
Concen: 158.234 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF100228.D
Acq: 5 Nov 2017 17:12

Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	21.9	16.2	24.4

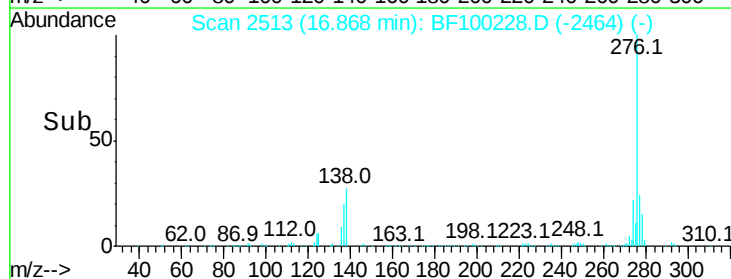
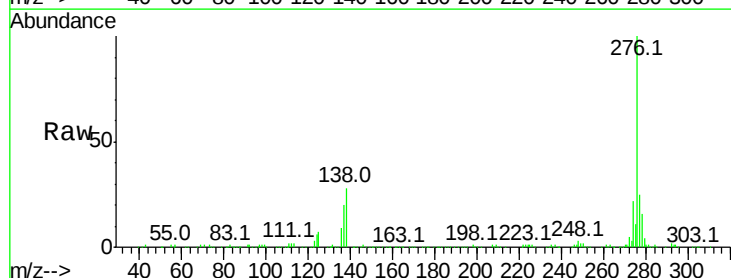
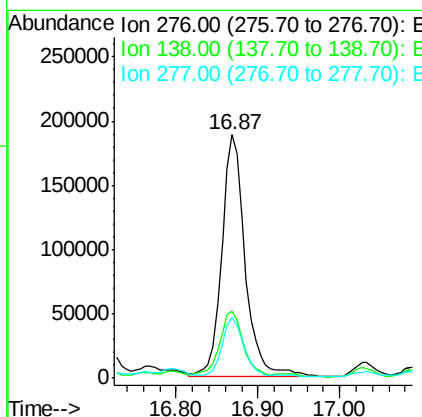
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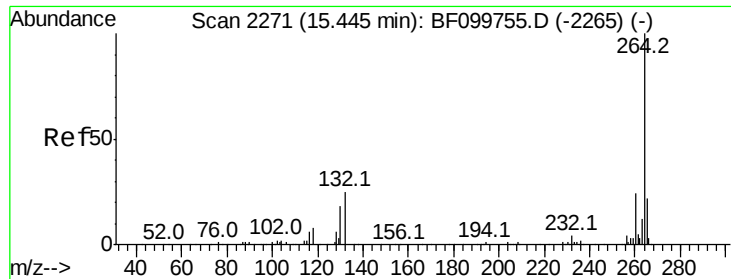
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#85
Indeno(1,2,3-cd)pyrene
Concen: 47.510 ng
RT: 16.87 min Scan# 2513
Delta R.T. -0.01 min
Lab File: BF100228.D
Acq: 5 Nov 2017 17:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.9	25.0	37.6
277	22.7	20.1	30.1





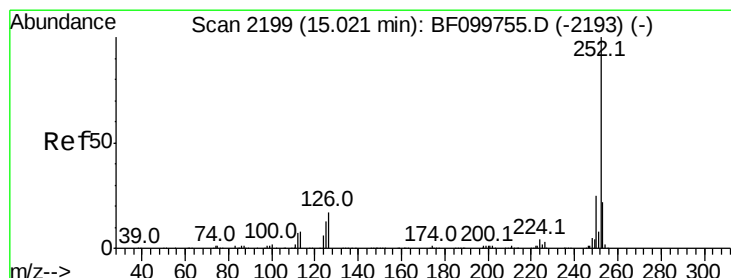
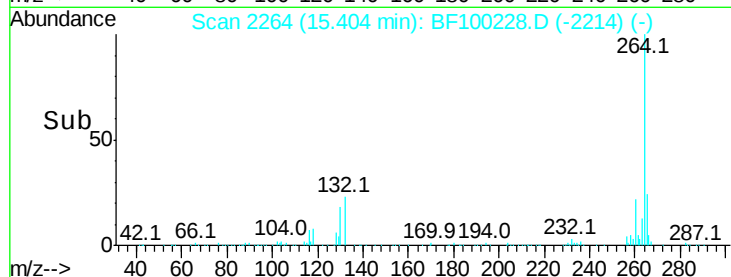
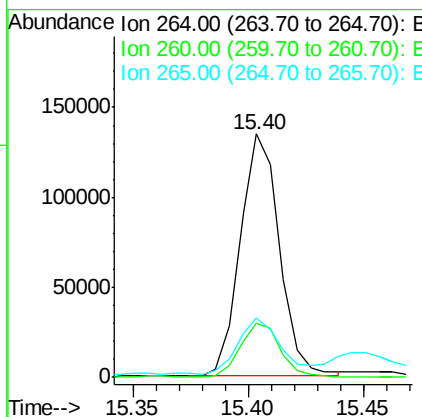
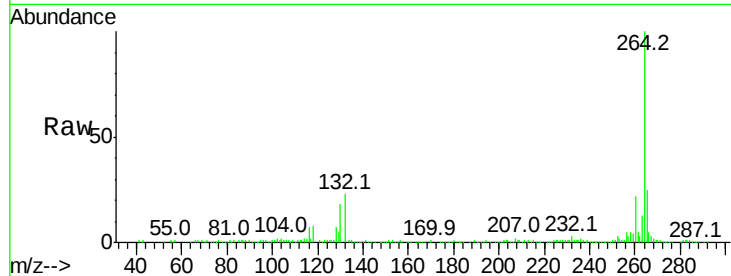
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF100228.D
Acq: 5 Nov 2017 17:12

Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.2	28.8
265	24.6	17.5	26.3

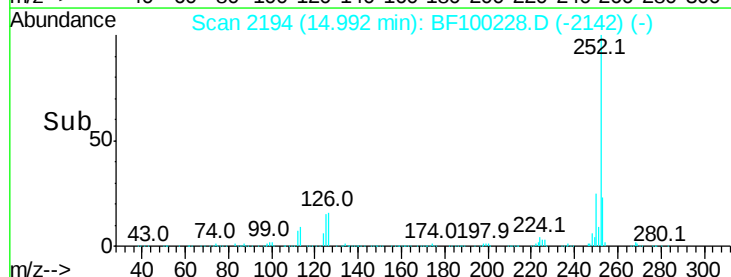
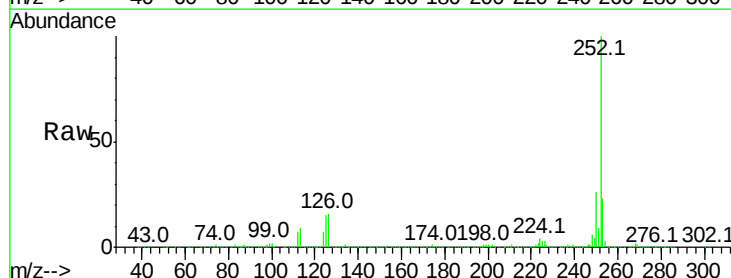
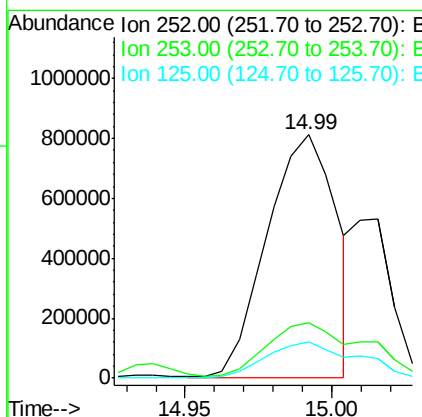
Manual Integrations
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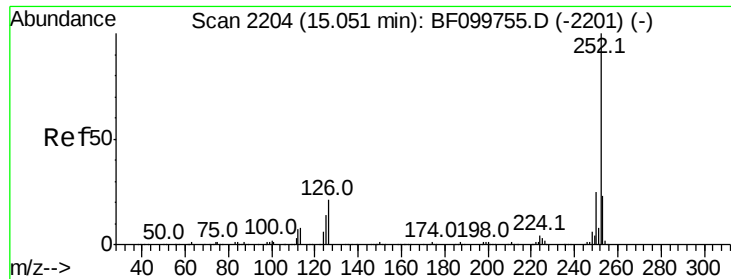
Sohil
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#87
Benzo(b)fluoranthene
Concen: 133.185 ng m
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF100228.D
Acq: 5 Nov 2017 17:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	14.9	9.0	13.6#





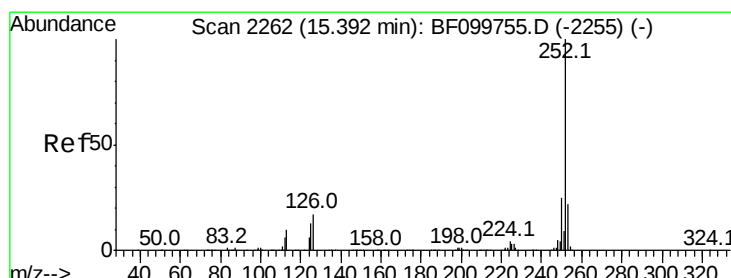
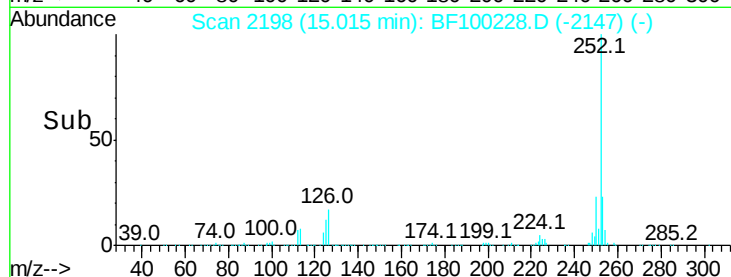
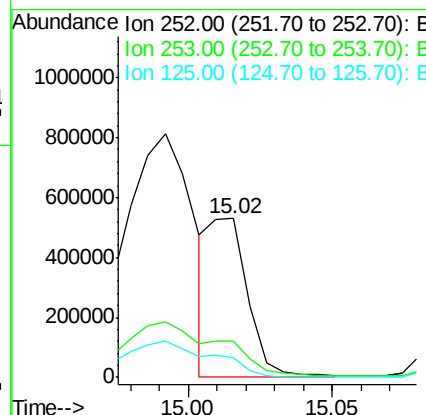
#88
Benzo(k)fluoranthene
Concen: 51.728 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF100228.D
Acq: 5 Nov 2017 17:12

Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	12.4	10.2	15.2

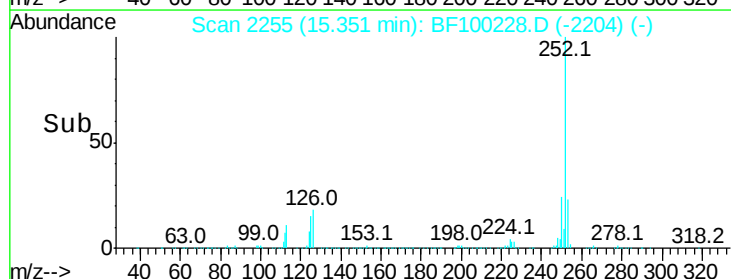
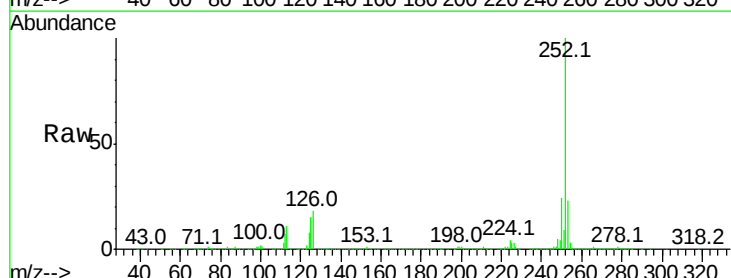
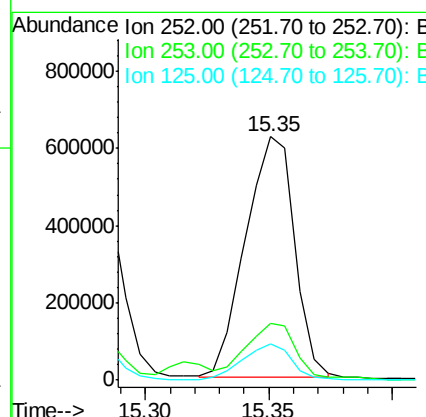
Manual Integrations
APPROVED

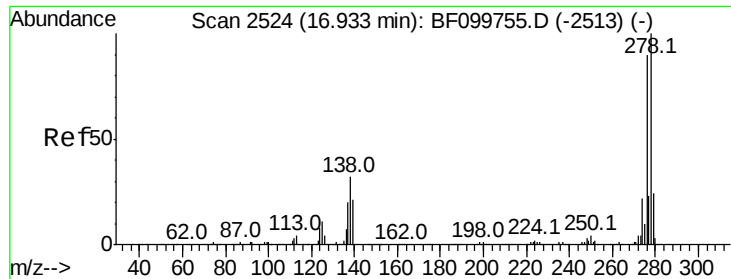
Sohil
11/6/2017 2:33:31 PM



#89
Benzo(a)pyrene
Concen: 94.707 ng m
RT: 15.35 min Scan# 2255
Delta R.T. 0.00 min
Lab File: BF100228.D
Acq: 5 Nov 2017 17:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	14.9	9.8	14.6





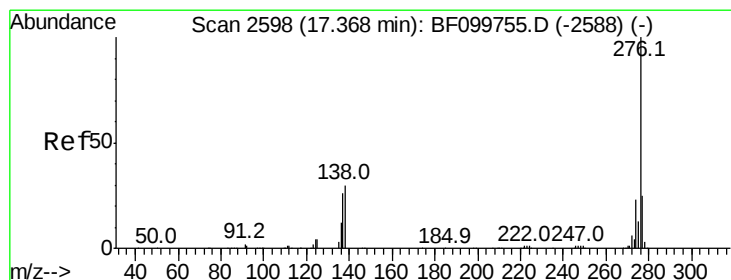
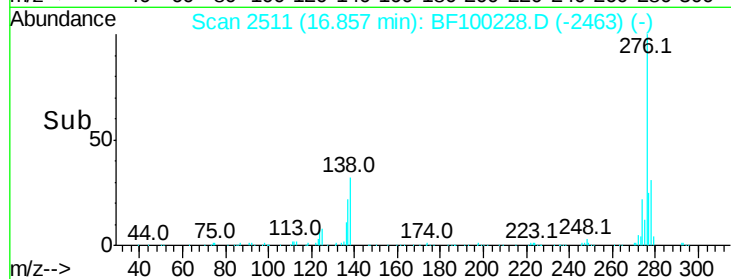
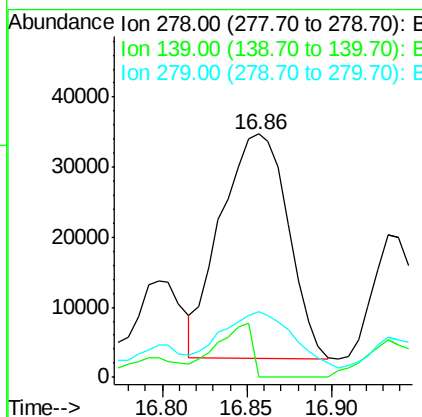
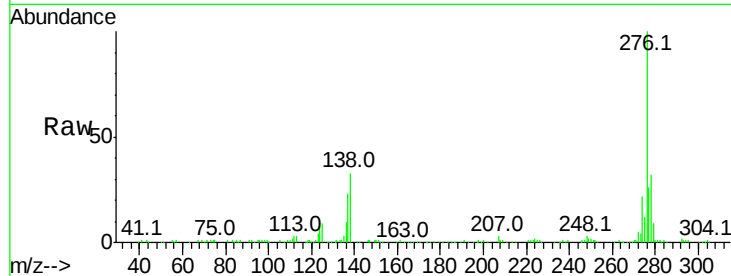
#90
Dibenzo(a,h)anthracene
Concen: 11.002 ng/mL
RT: 16.86 min Scan# 2511
Delta R.T. -0.02 min
Lab File: BF100228.D
Acq: 5 Nov 2017 17:12

Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	26.9	19.0	28.4

Manual Integrations
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11/6/2017 2:33:31 PM



#91
Benzo(g,h,i)perylene
Concen: 38.745 ng/mL
RT: 17.31 min Scan# 2588
Delta R.T. -0.01 min
Lab File: BF100228.D
Acq: 5 Nov 2017 17:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	28.0	21.8	32.8

