

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
 Data File : BF099793.D
 Acq On : 24 Oct 2017 17:35
 Operator : SJ/JU
 Sample : I5956-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-120-1(10-12)

Manual Integrations
 APPROVED

Sohil
 10/25/2017 6:25:44 PM

Quant Time: Oct 25 08:09:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 23:39:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	94664	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	386418	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	173230	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	276528	20.00	ng	0.00
75) Chrysene-d12	13.98	240	160930	20.00	ng	0.00
86) Perylene-d12	15.45	264	171910	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	743818	123.36	ng	0.01
7) Phenol-d6	6.45	99	894803	125.16	ng	0.00
23) Nitrobenzene-d5	7.37	82	516094	85.99	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	178289	112.94	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	980188	87.30	ng	0.00
78) Terphenyl-d14	12.92	244	650299	88.31	ng	0.00
Target Compounds						
10) Phenol	6.46	94	20218	2.576	ng	88
35) Caprolactam	8.50	113	18504	11.098	ng	# 77
70) Phenanthrene	11.36	178	394886	25.304	ng	98
71) Anthracene	11.41	178	112429	7.097	ng	98
74) Fluoranthene	12.55	202	496974	30.643	ng	100
77) Pyrene	12.78	202	399810	32.672	ng	99
80) Benzo(a)anthracene	13.97	228	228563	22.404	ng	99
82) Chrysene	14.01	228	198228	20.668	ng	96
83) Bis(2-ethylhexyl)phthalate	13.94	149	140924	16.653	ng	99
85) Indeno(1,2,3-cd)pyrene	16.93	276	69254	7.865	ng	99
87) Benzo(b)fluoranthene	15.03	252	208259m	19.185	ng	
88) Benzo(k)fluoranthene	15.05	252	84780m	8.282	ng	
89) Benzo(a)pyrene	15.39	252	159058	16.312	ng	# 97
90) Dibenzo(a,h)anthracene	16.93	278	27753m	3.203	ng	
91) Benzo(a,h,i)perylene	17.38	276	55304	6.524	ng	96

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

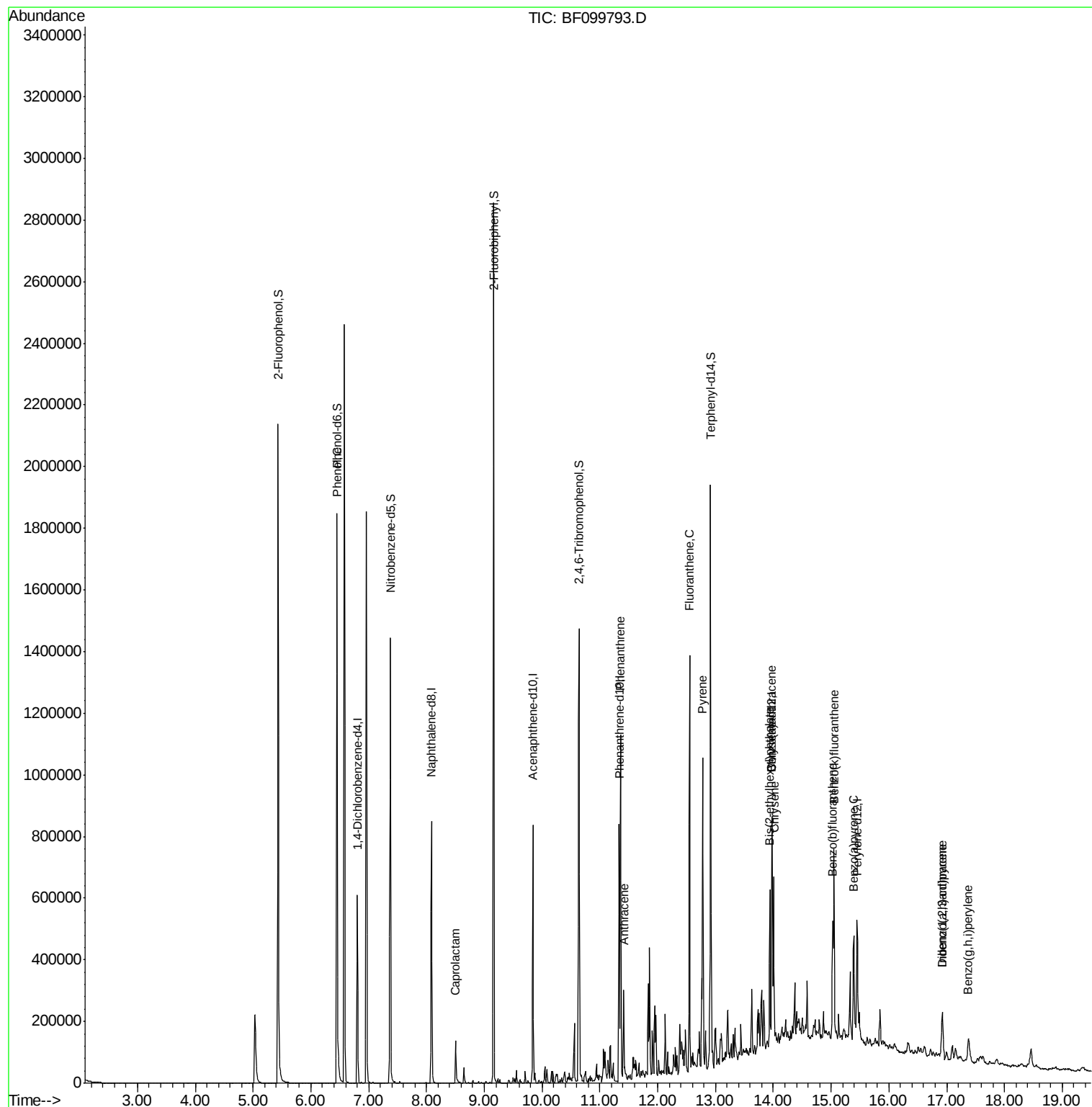
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
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#1

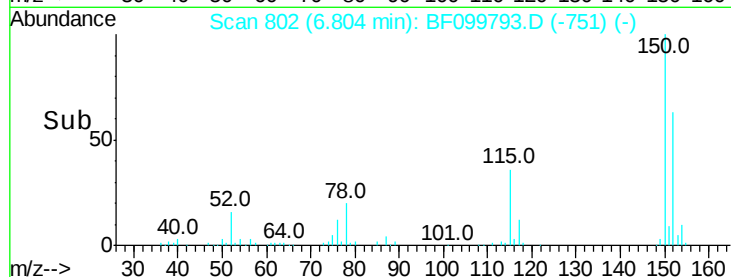
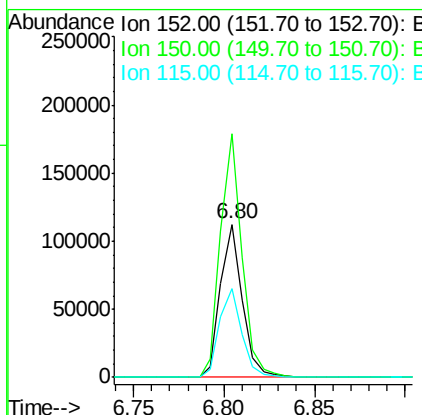
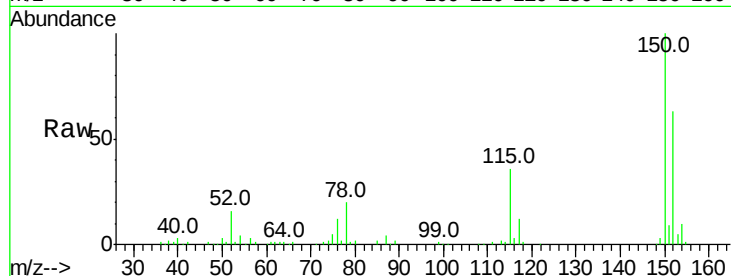
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099793.D
Acq: 24 Oct 2017 17:35

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	57.8	50.1	75.1

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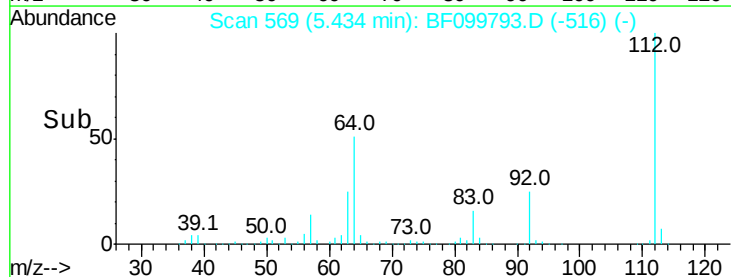
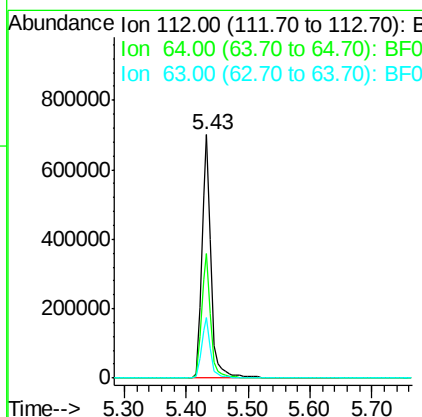
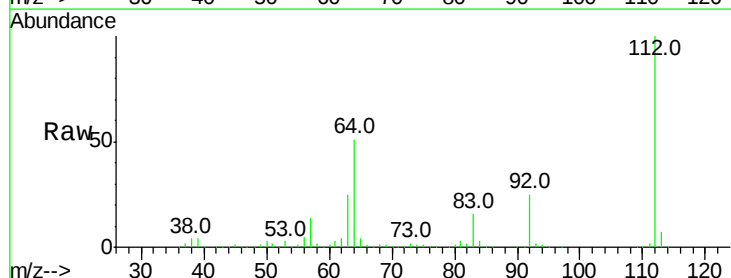
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#5

2-Fluorophenol
Concen: 123.359 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF099793.D
Acq: 24 Oct 2017 17:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	47.9	71.9
63	24.8	23.7	35.5





#7

Phenol-d6

Concen: 125.156 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF099793.D

Acq: 24 Oct 2017 17:35

Instrument :

BNA_F

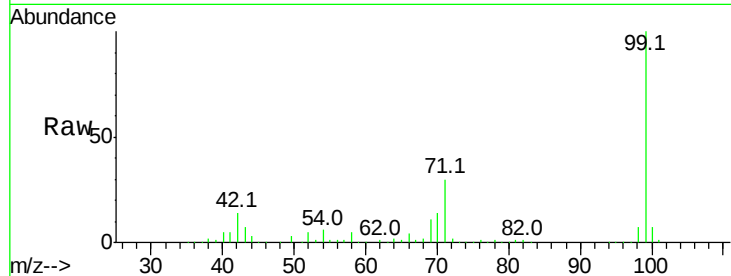
ClientSampleId :

EPE-120-1(10-12)

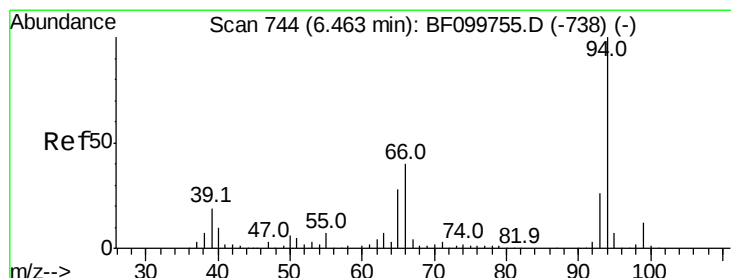
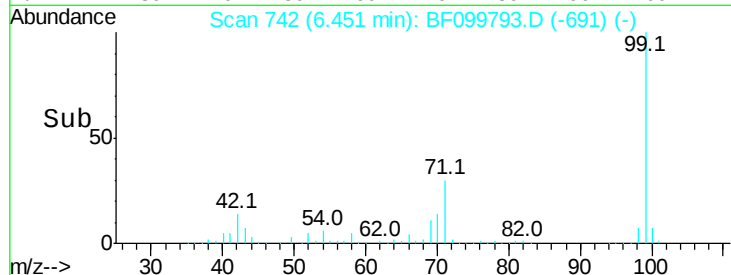
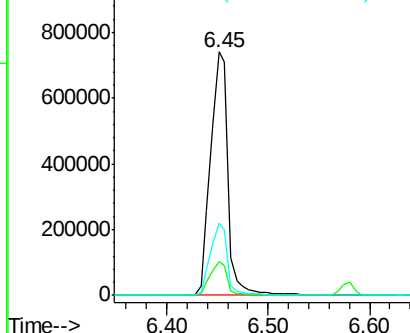
Tot Ion:	99	Resp:	894803
Ion Ratio	Lower	Upper	
99	100		
42	13.9	14.5	21.7#
71	29.6	25.4	38.0

Manual Integrations
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.576 ng

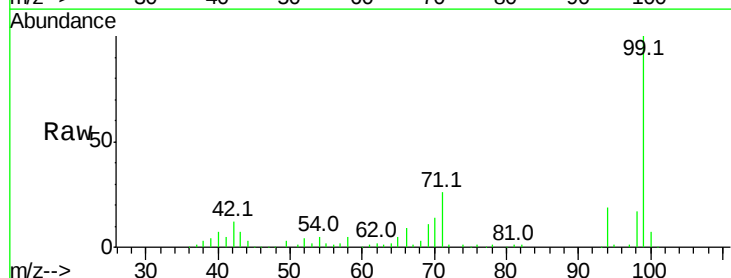
RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

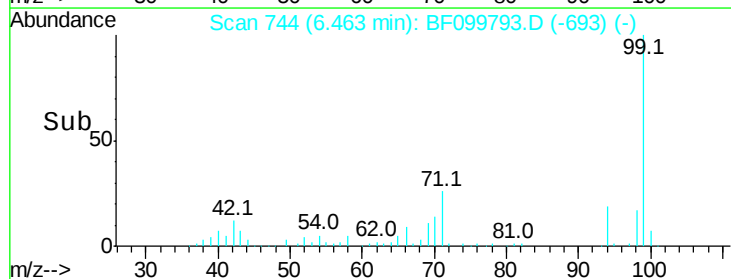
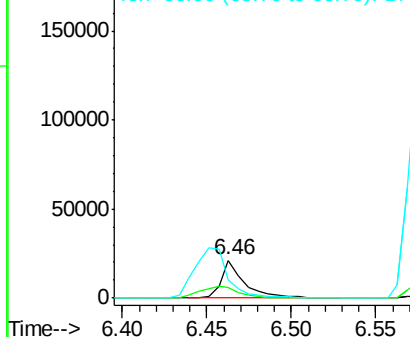
Lab File: BF099793.D

Acq: 24 Oct 2017 17:35

Tgt Ion:	94	Resp:	20218
Ion Ratio	Lower	Upper	
94	100		
65	28.7	7.9	47.9
66	47.8	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





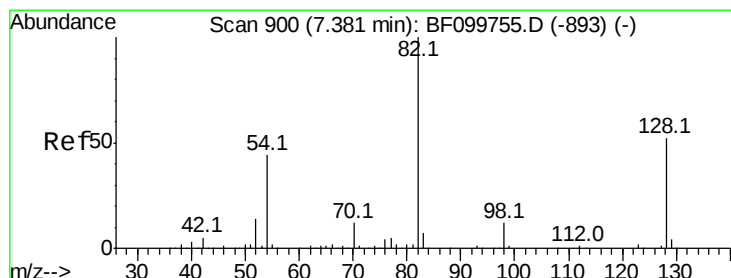
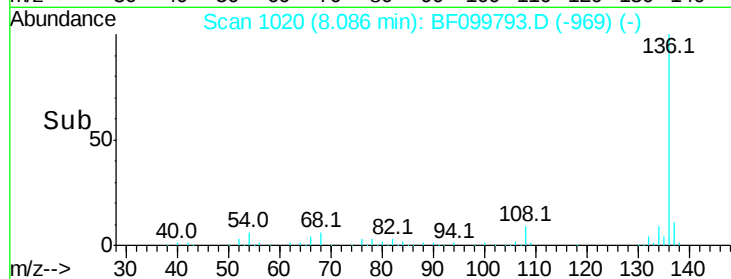
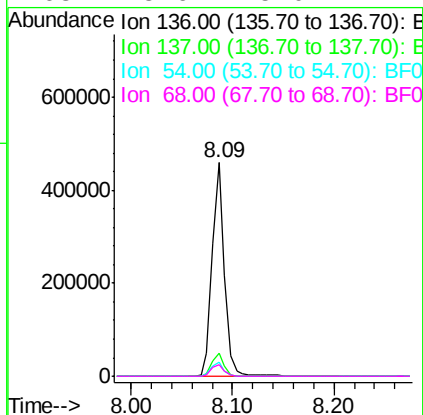
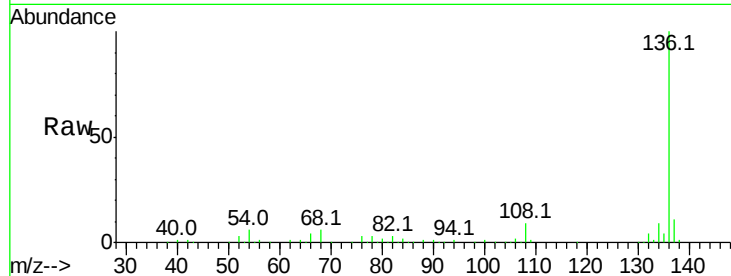
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF099793.D
Acq: 24 Oct 2017 17:35

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.9	13.3	
54	6.5	6.6	9.8	
68	5.6	5.0	7.4	

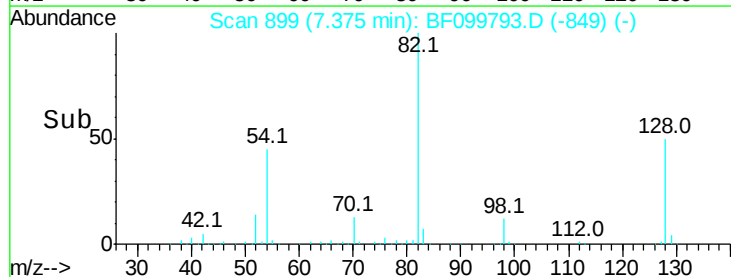
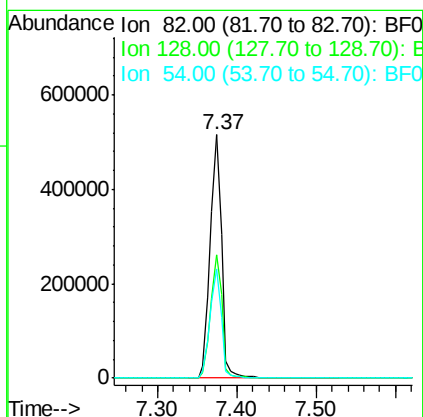
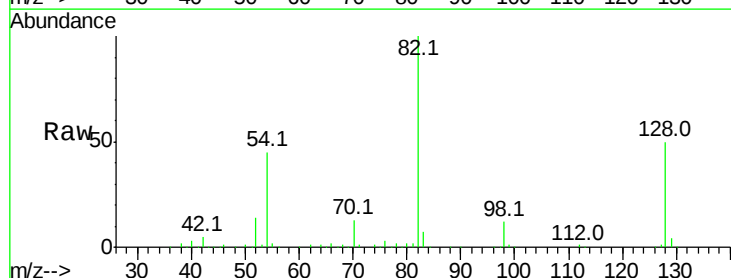
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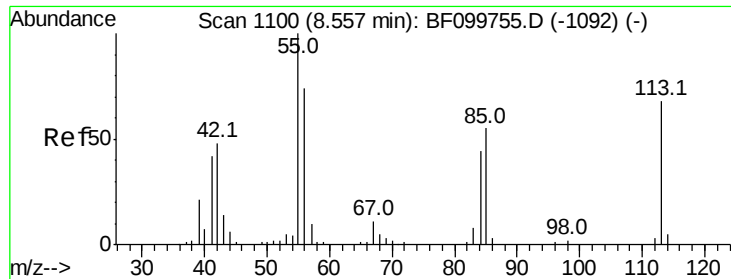
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#23
Nitrobenzene-d5
Concen: 85.986 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF099793.D
Acq: 24 Oct 2017 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	50.5	36.1	54.1	
54	44.7	41.4	62.2	





#35

Caprolactam

Concen: 11.098 ng

RT: 8.50 min Scan# 1091

Delta R.T. -0.05 min

Lab File: BF099793.D

Acq: 24 Oct 2017 17:35

Instrument :

BNA_F

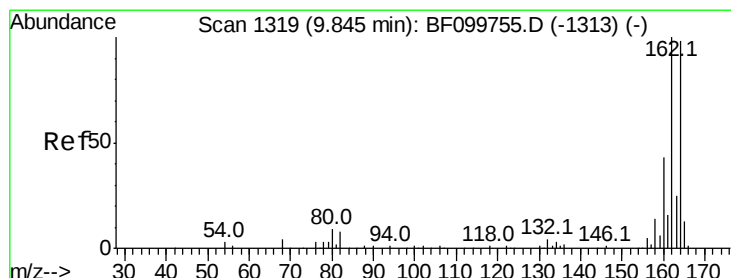
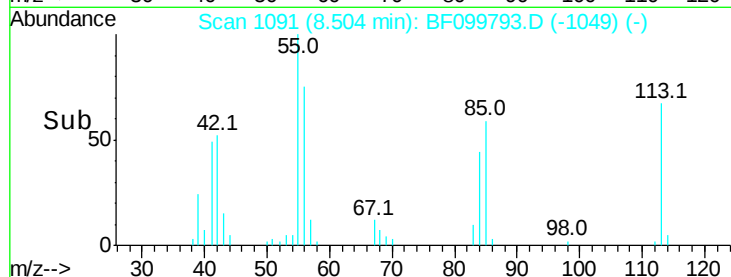
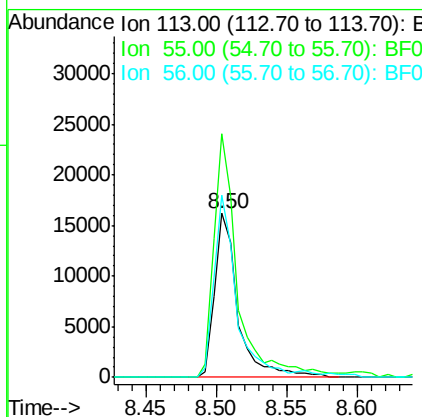
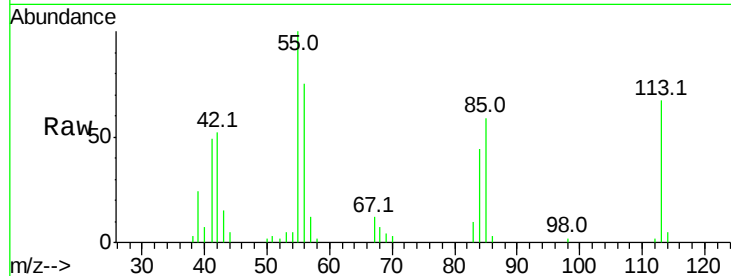
ClientSampleId :

EPE-120-1(10-12)

Tot Ion:113 Resp: 18504
 Ion Ratio Lower Upper
 113 100
 55 148.3 163.3 203.3#
 56 110.6 115.7 155.7#

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#38

Acenaphthene-d10

Concen: 20.000 ng

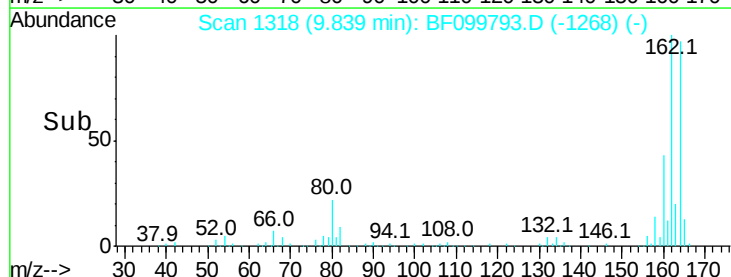
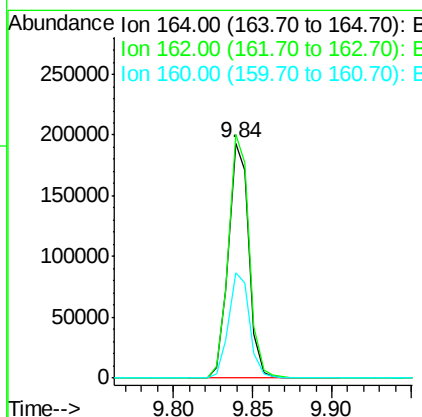
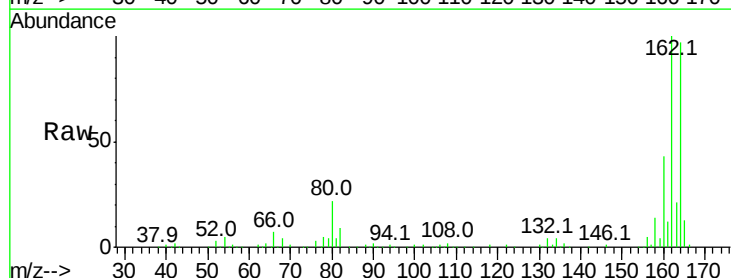
RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF099793.D

Acq: 24 Oct 2017 17:35

Tgt Ion:164 Resp: 173230
 Ion Ratio Lower Upper
 164 100
 162 103.6 86.1 129.1
 160 44.8 38.3 57.5





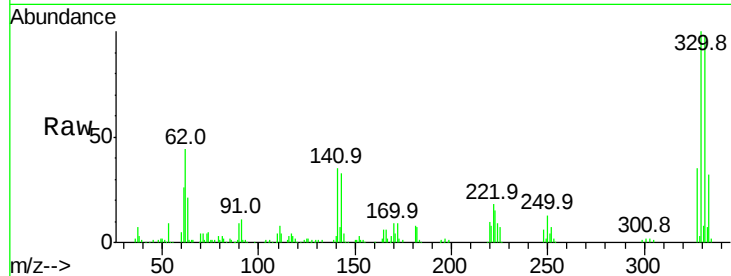
#41
 2,4,6-Tribromophenol
 Concen: 112.936 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF099793.D
 Acq: 24 Oct 2017 17:35

Instrument :
 BNA_F
 ClientSampleId :
 EPE-120-1(10-12)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	178289		
332	96.2	77.0	115.6	
141	36.0	29.9	44.9	

Manual Integrations
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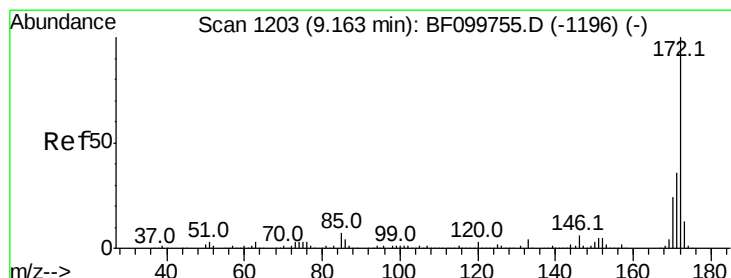
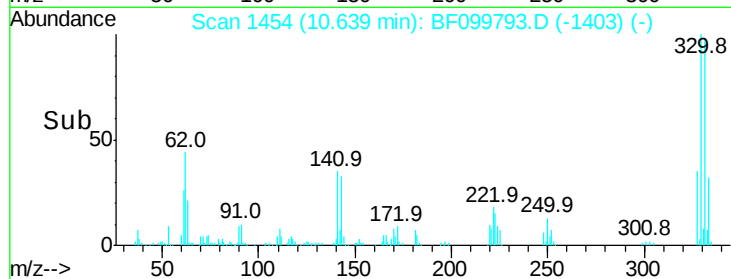
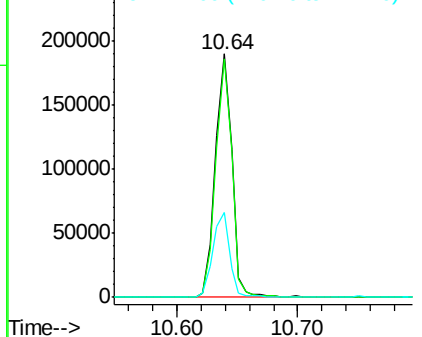


Abundance

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: 87.299 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF099793.D
 Acq: 24 Oct 2017 17:35

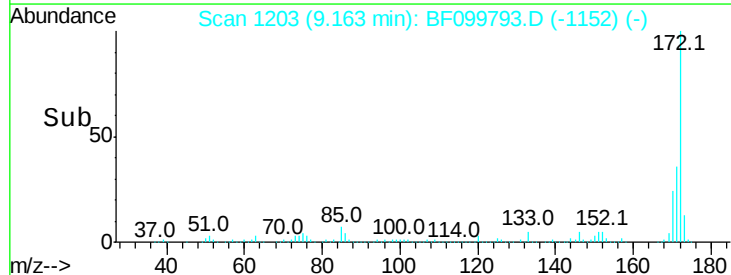
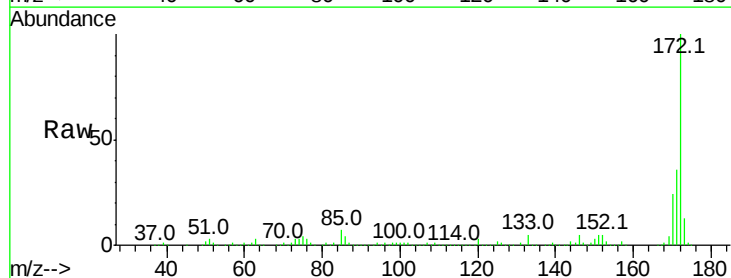
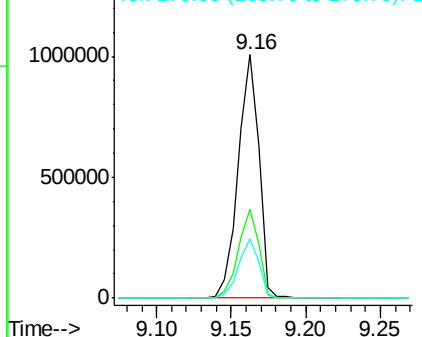
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	980188		
171	36.5	29.7	44.5	
170	24.1	19.6	29.4	

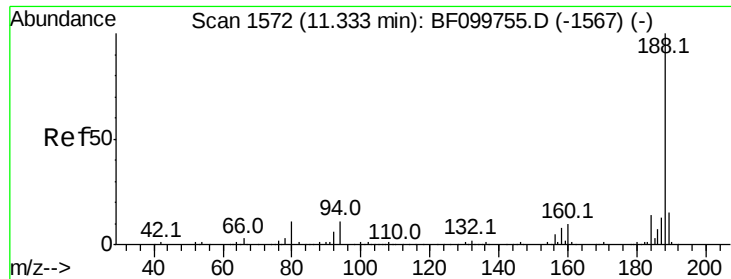
Abundance

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





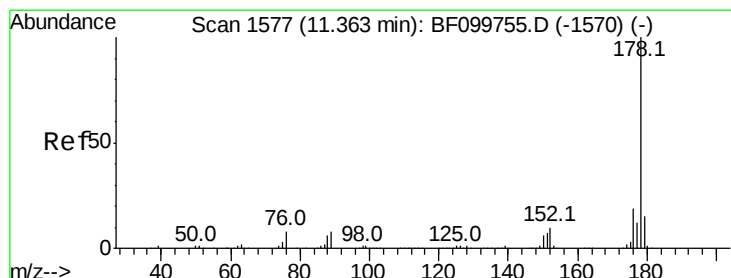
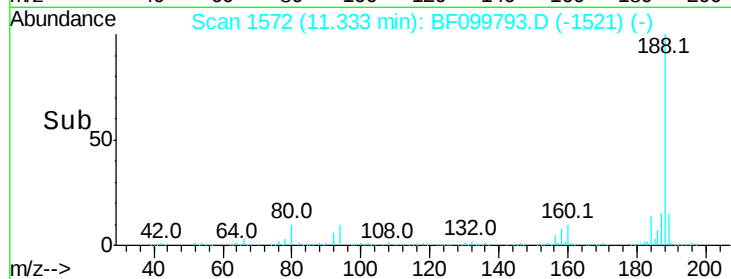
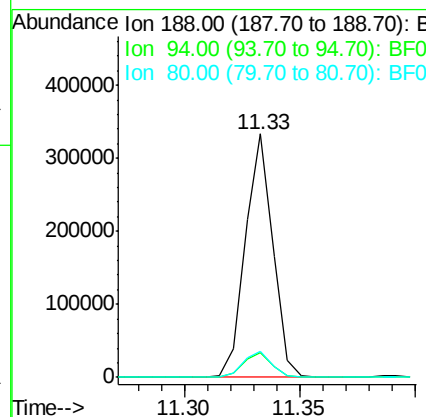
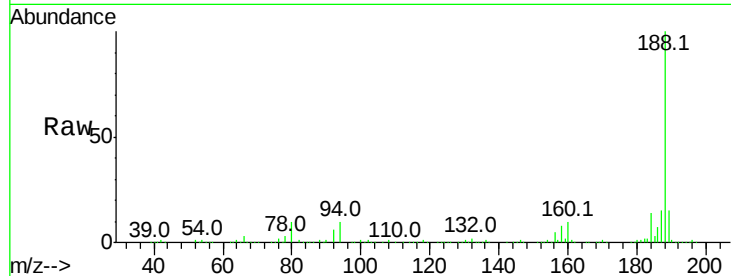
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF099793.D
Acq: 24 Oct 2017 17:35

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.5	9.2	13.8

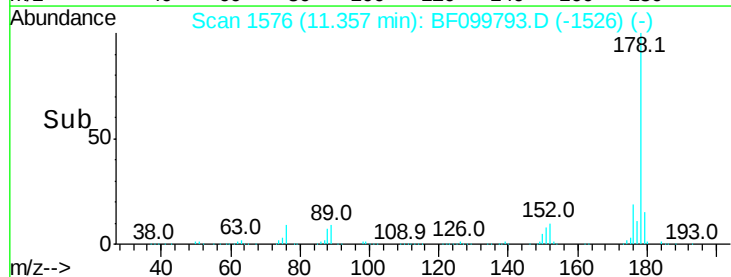
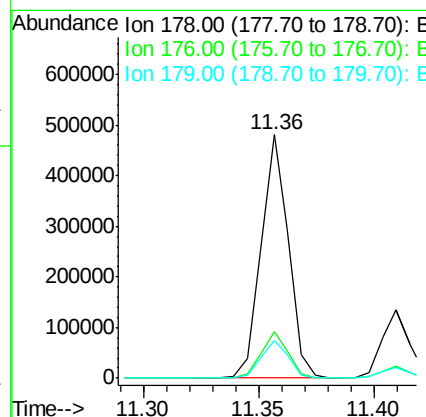
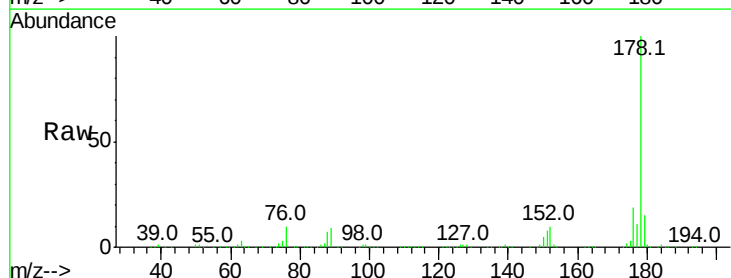
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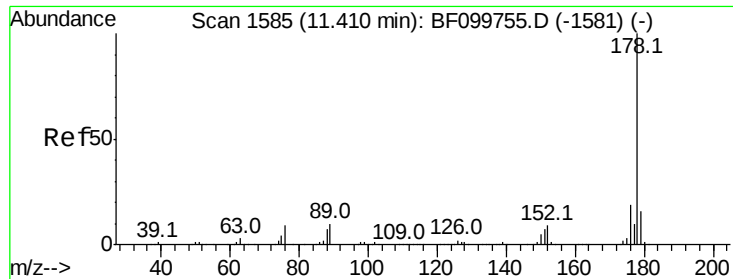
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#70
Phenanthrene
Concen: 25.304 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099793.D
Acq: 24 Oct 2017 17:35

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.3	13.0	19.6





#71

Anthracene

Concen: 7.097 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF099793.D

Acq: 24 Oct 2017 17:35

Instrument :

BNA_F

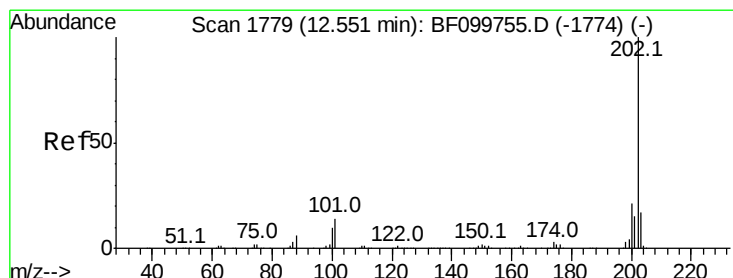
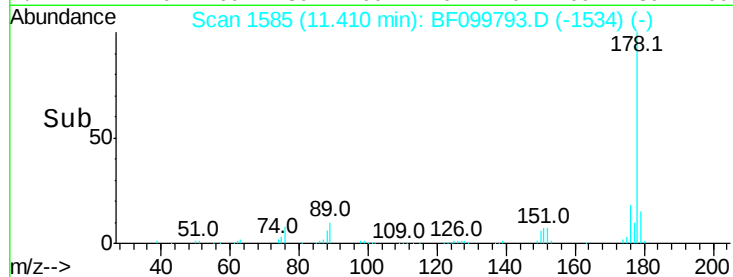
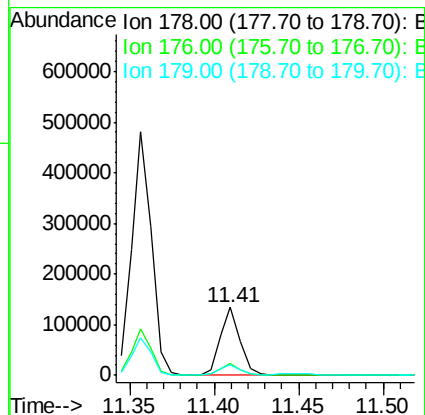
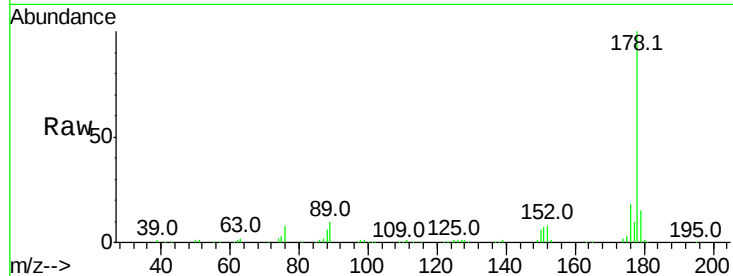
ClientSampleId :

EPE-120-1(10-12)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	14.9	12.6	19.0

Manual Integrations
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#74

Fluoranthene

Concen: 30.643 ng

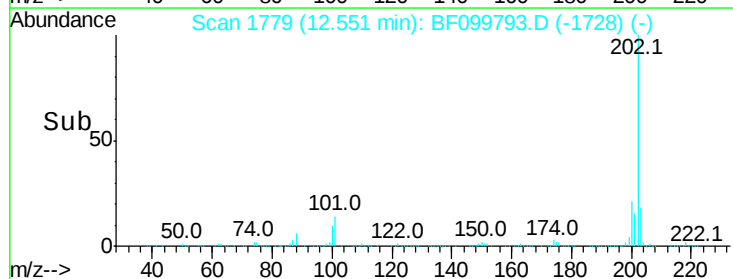
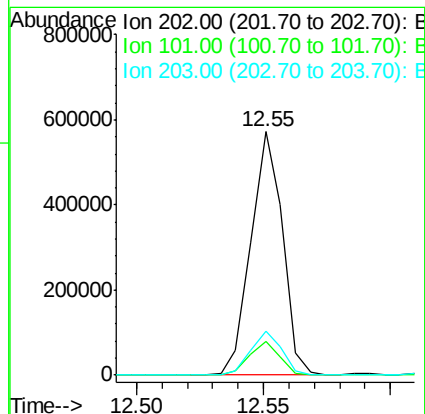
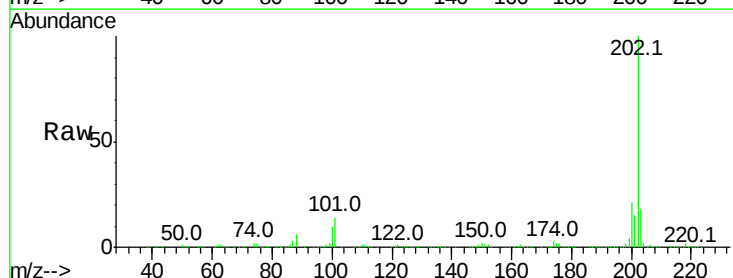
RT: 12.55 min Scan# 1779

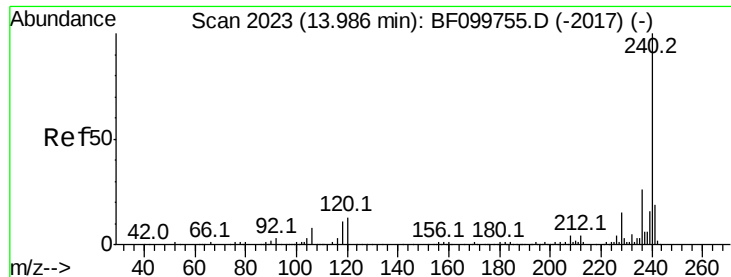
Delta R.T. -0.00 min

Lab File: BF099793.D

Acq: 24 Oct 2017 17:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099793.D

Acq: 24 Oct 2017 17:35

Instrument :

BNA_F

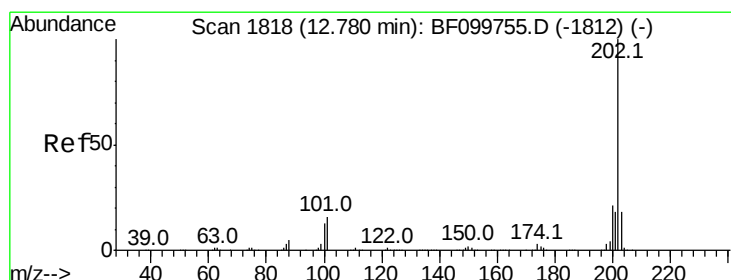
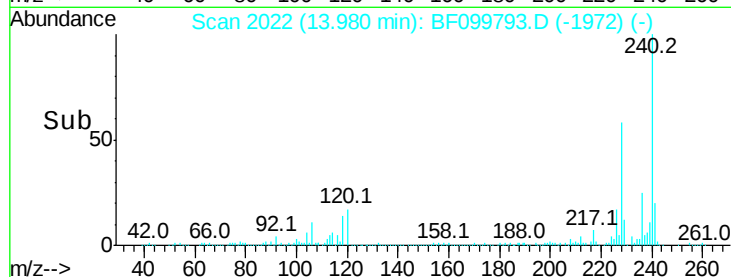
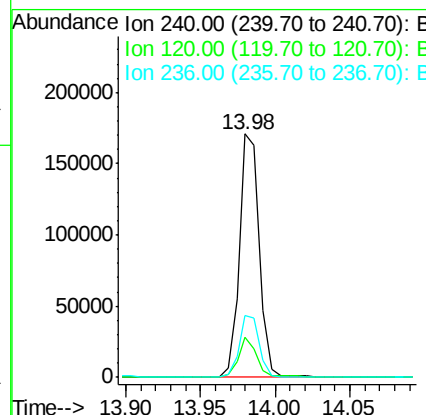
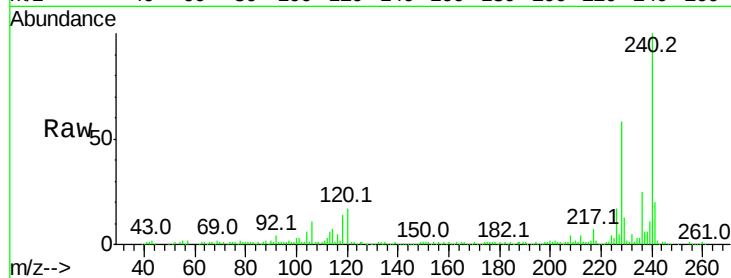
ClientSampleId :

EPE-120-1(10-12)

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.7	9.5	14.3#
236	25.3	20.7	31.1

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#77

Pyrene

Concen: 32.672 ng

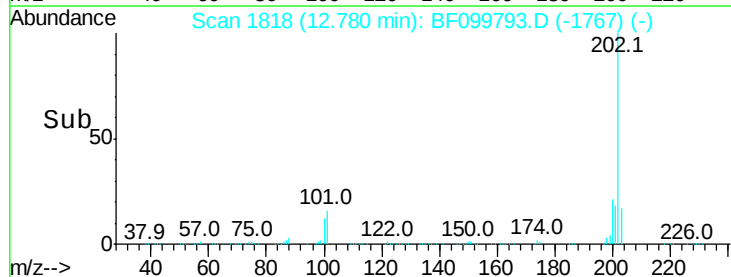
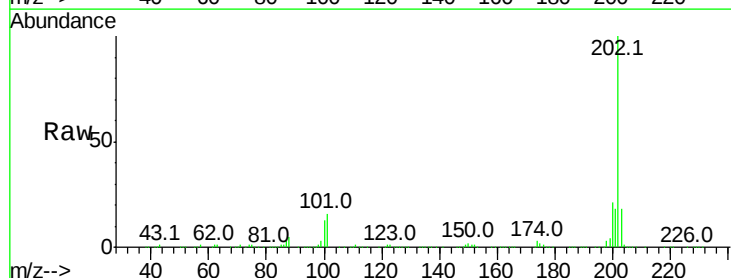
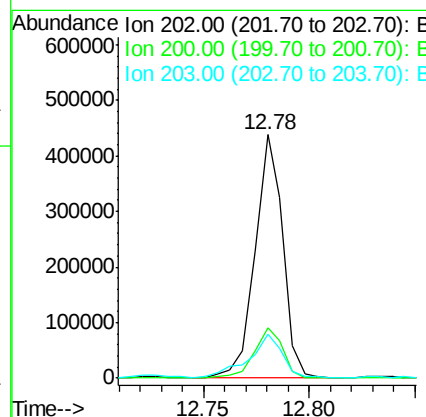
RT: 12.78 min Scan# 1818

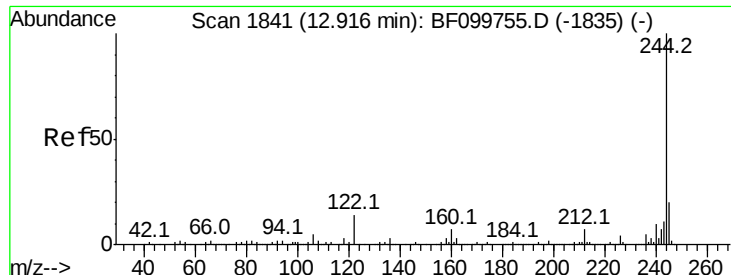
Delta R.T. -0.00 min

Lab File: BF099793.D

Acq: 24 Oct 2017 17:35

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.8	14.3	21.5





#78

Terphenyl-d14

Concen: 88.308 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BF099793.D

Acq: 24 Oct 2017 17:35

Instrument :

BNA_F

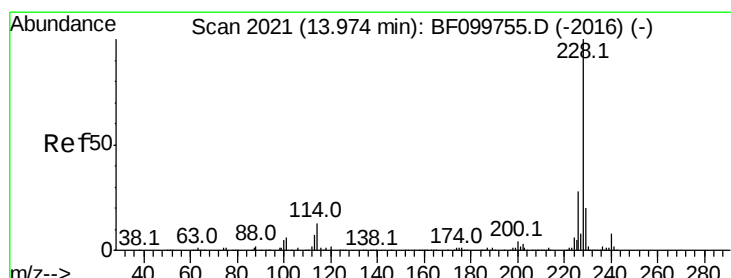
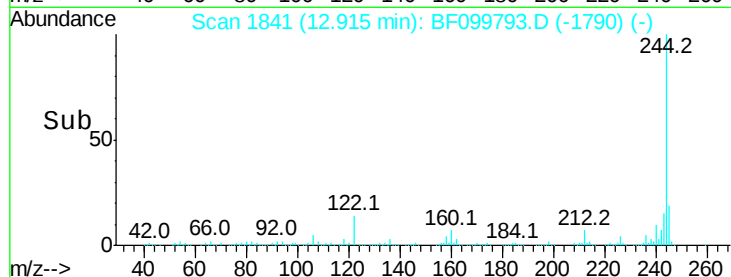
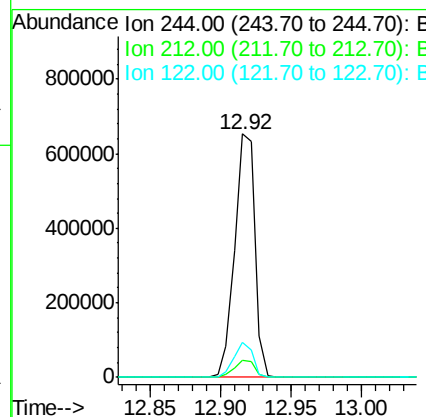
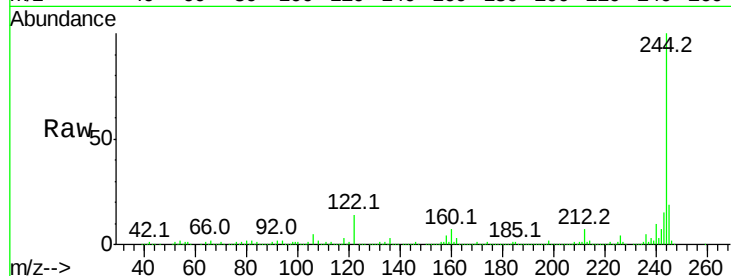
ClientSampleId :

EPE-120-1(10-12)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	14.1	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 22.404 ng

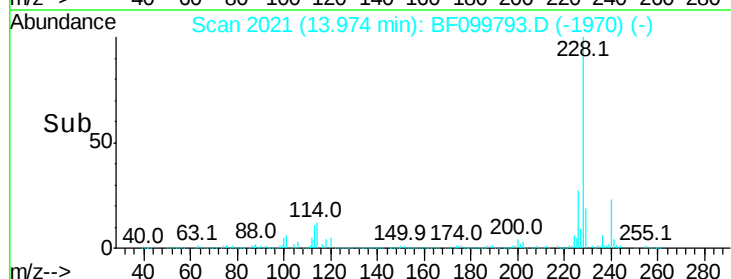
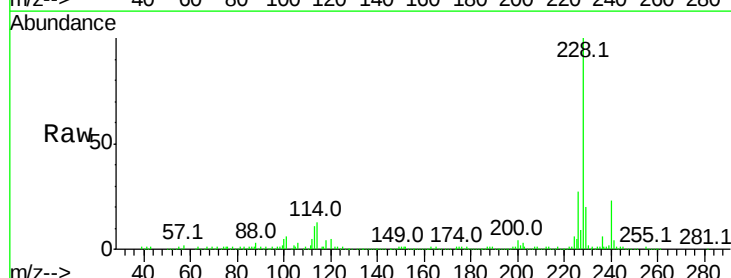
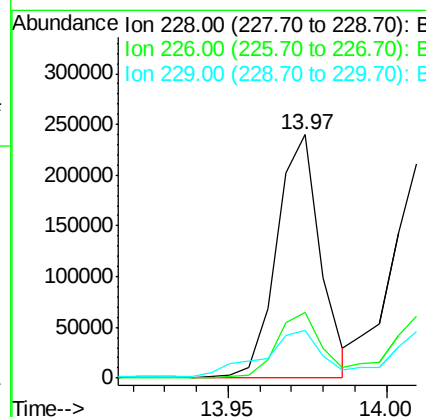
RT: 13.97 min Scan# 2021

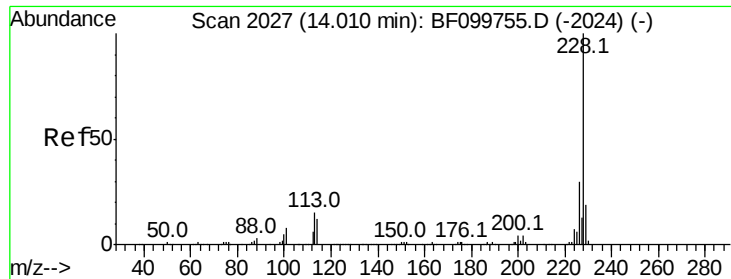
Delta R.T. -0.00 min

Lab File: BF099793.D

Acq: 24 Oct 2017 17:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	19.8	15.8	23.6





#82

Chrysene

Concen: 20.668 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF099793.D

Acq: 24 Oct 2017 17:35

Instrument :

BNA_F

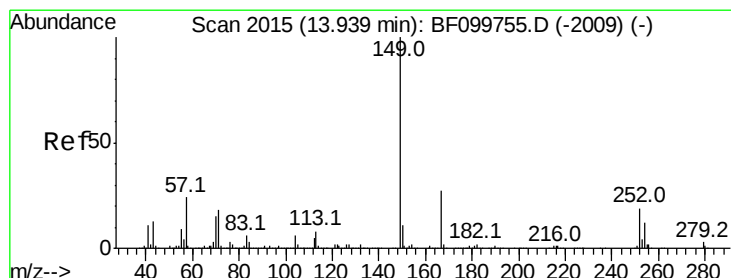
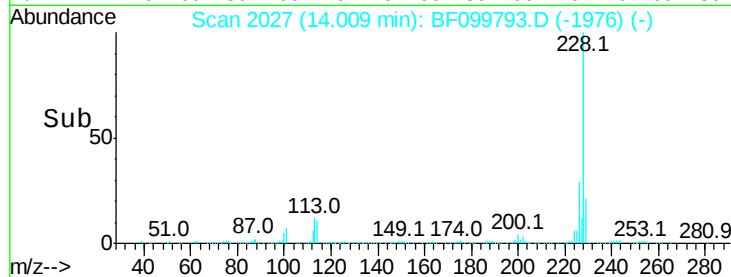
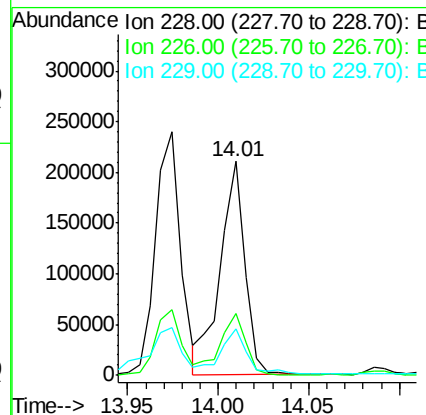
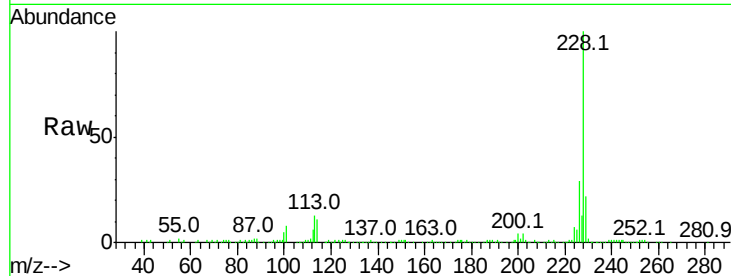
ClientSampleId :

EPE-120-1(10-12)

Tot Ion:	228	Resp:	198228
Ion Ratio	Lower	Upper	
228	100		
226	29.1	25.0	37.6
229	21.6	16.2	24.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 16.653 ng

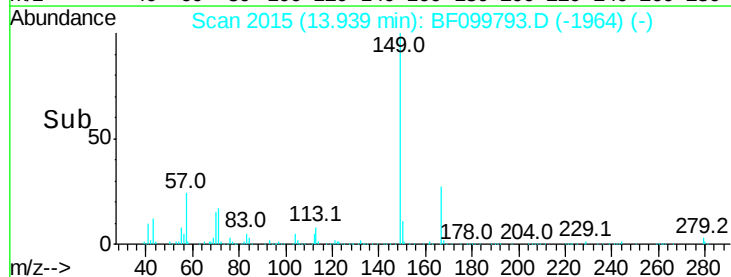
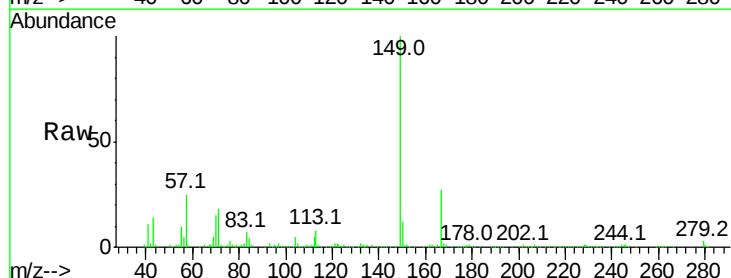
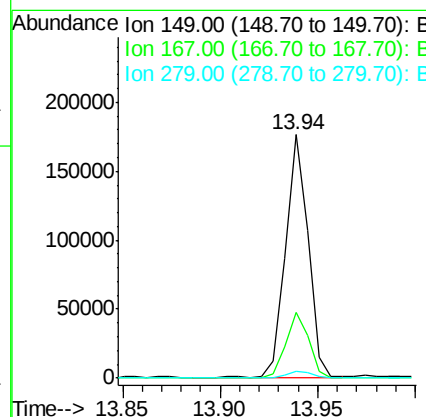
RT: 13.94 min Scan# 2015

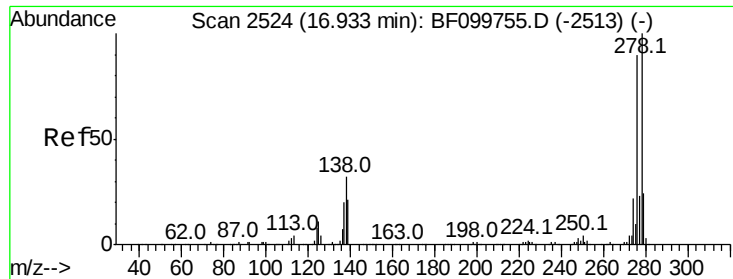
Delta R.T. -0.00 min

Lab File: BF099793.D

Acq: 24 Oct 2017 17:35

Tgt Ion:	149	Resp:	140924
Ion Ratio	Lower	Upper	
149	100		
167	27.2	21.3	31.9
279	3.0	3.0	4.4





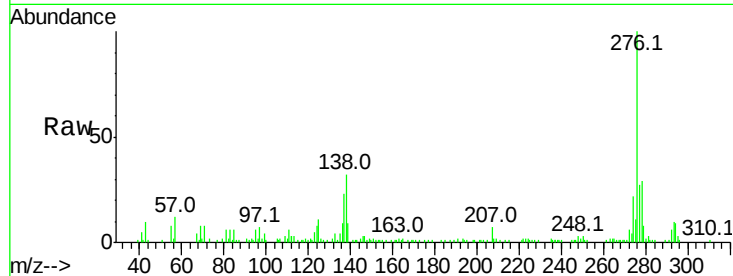
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.865 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.01 min
Lab File: BF099793.D
Acq: 24 Oct 2017 17:35

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

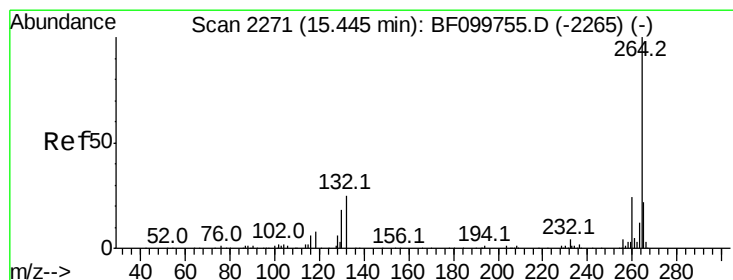
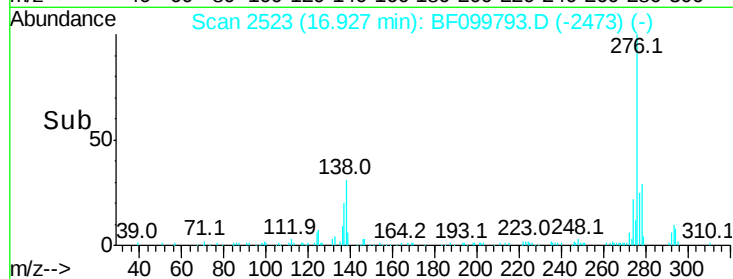
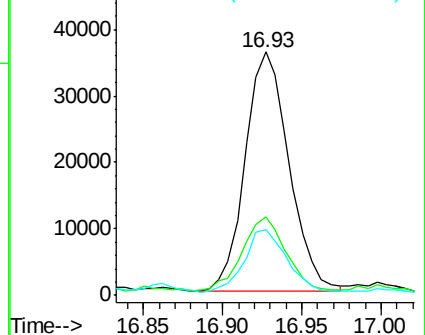
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.8	25.0	37.6
277	25.2	20.1	30.1

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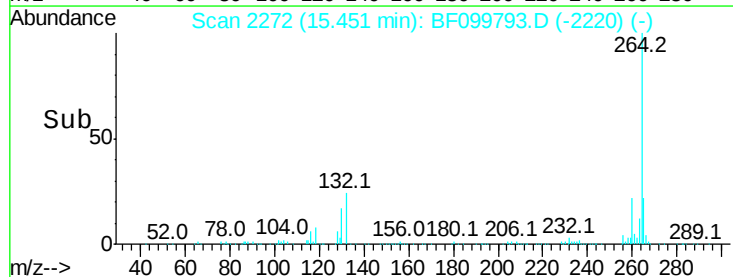
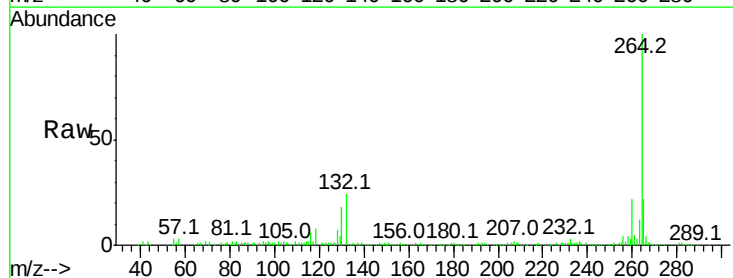
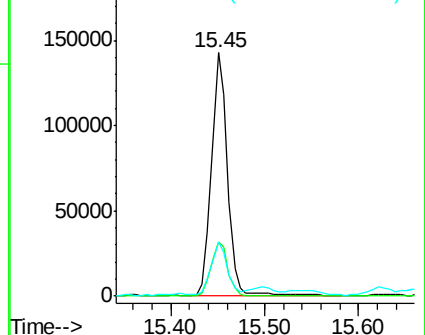
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

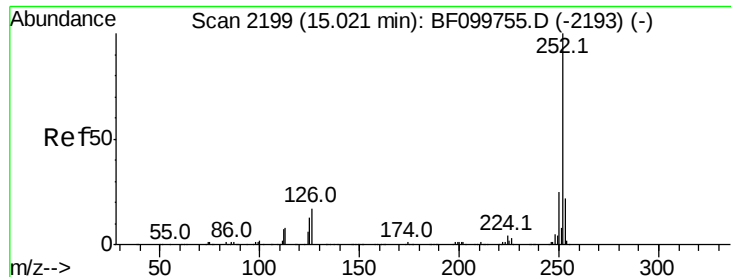


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF099793.D
Acq: 24 Oct 2017 17:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	22.3	17.5	26.3

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





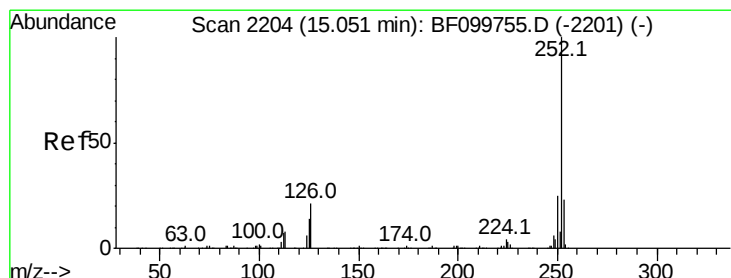
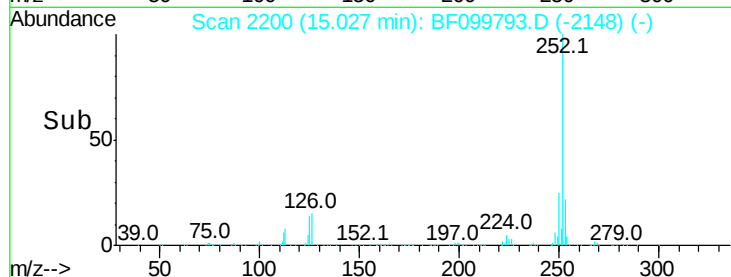
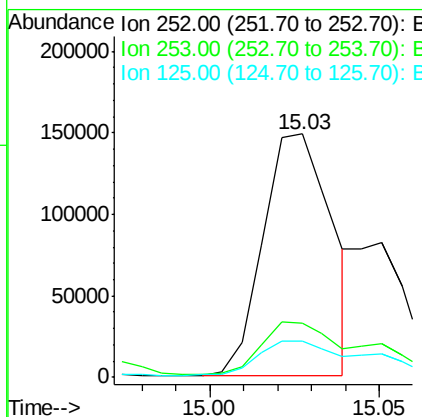
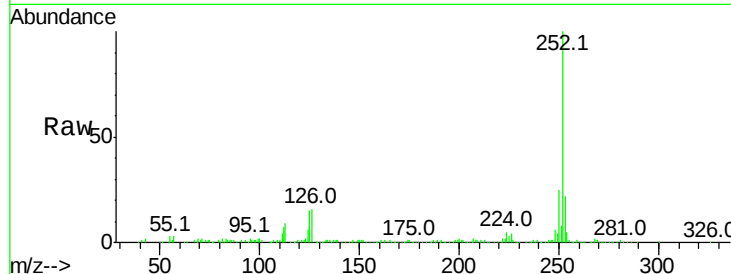
#87
Benzo(b)fluoranthene
Concen: 19.185 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF099793.D
Acq: 24 Oct 2017 17:35

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	15.1	9.0	13.6

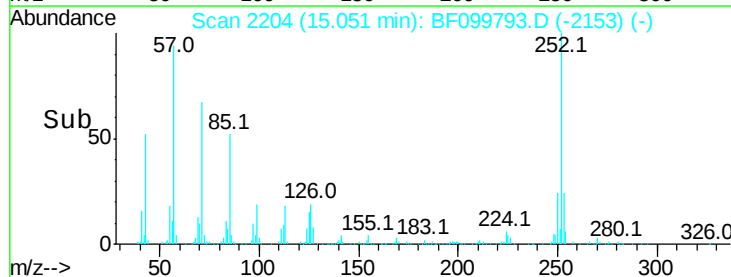
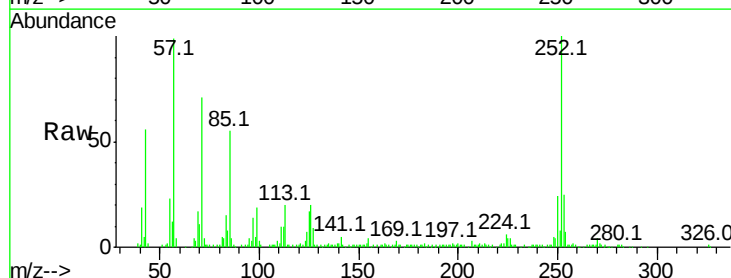
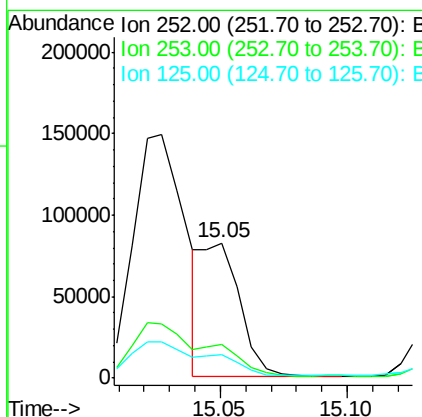
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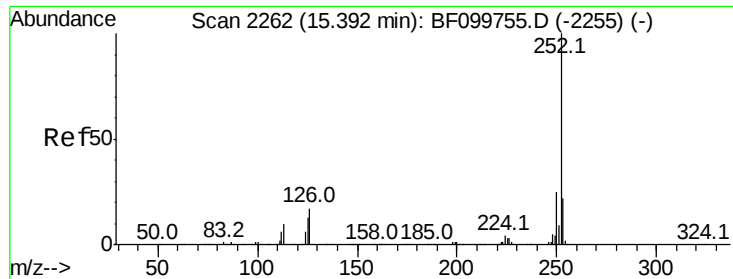
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#88
Benzo(k)fluoranthene
Concen: 8.282 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF099793.D
Acq: 24 Oct 2017 17:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	17.2	10.2	15.2





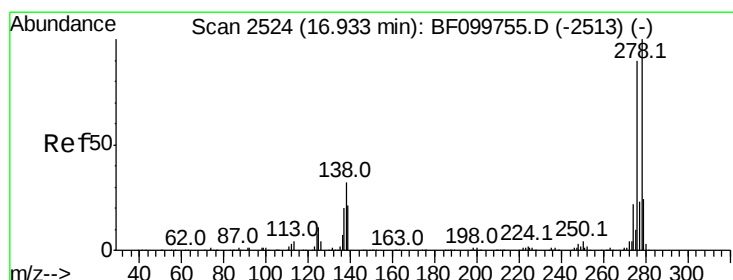
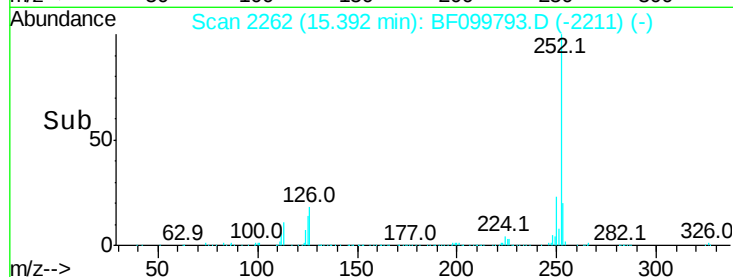
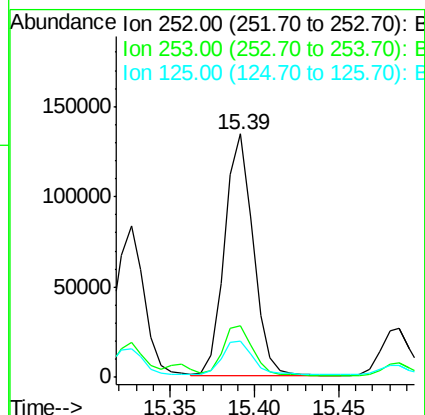
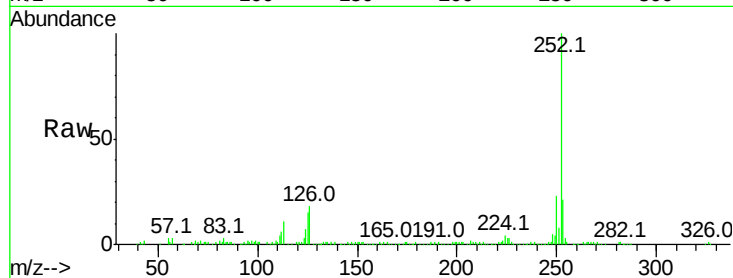
#89
Benzo(a)pyrene
Concen: 16.312 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BF099793.D
Acq: 24 Oct 2017 17:35

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	15.0	9.8	14.6

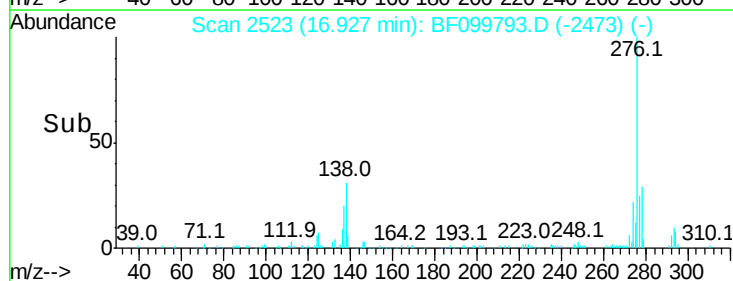
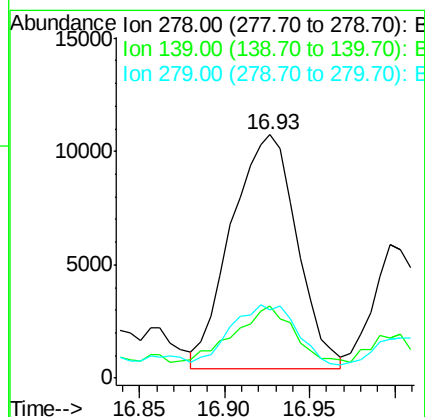
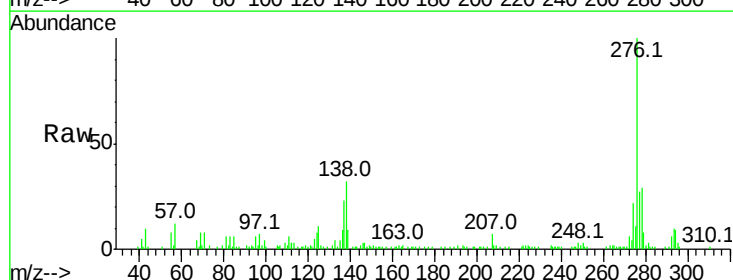
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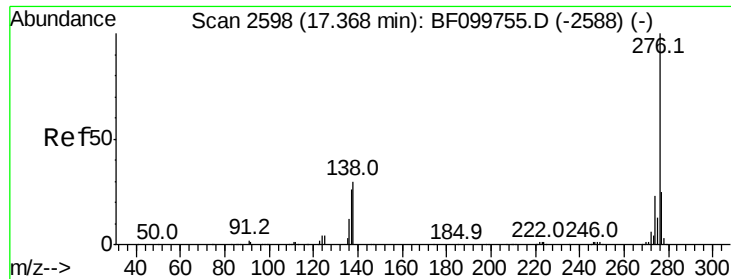
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#90
Dibenzo(a,h)anthracene
Concen: 3.203 ng m
RT: 16.93 min Scan# 2523
Delta R.T. -0.01 min
Lab File: BF099793.D
Acq: 24 Oct 2017 17:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.8	15.9	23.9
279	28.0	19.0	28.4





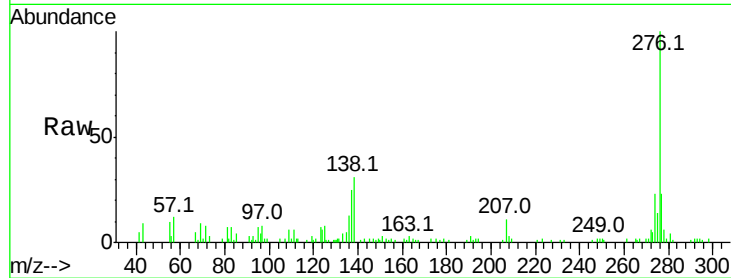
#91
 Benzo(a,h,i)perylene
 Concen: 6.524 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. 0.01 min
 Lab File: BF099793.D
 Acq: 24 Oct 2017 17:35

Instrument :
 BNA_F
 ClientSampleId :
 EPE-120-1(10-12)

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.5	17.9	26.9
138	31.2	21.8	32.8

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

