

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
 Data File : BF117984.D
 Acq On : 25 Nov 2019 23:49
 Operator : JU
 Sample : K5973-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-1

Manual Integrations
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Quant Time: Nov 26 05:51:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	136519	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	542218	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	284006	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	529478	20.00	ng	0.00
76) Chrysene-d12	14.08	240	319514	20.00	ng	0.00
87) Perylene-d12	15.57	264	284344	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	677118	87.80	ng	0.00
7) Phenol-d6	6.52	99	861848	92.65	ng	0.00
23) Nitrobenzene-d5	7.45	82	525222	57.58	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	275457	91.61	ng	-0.01
45) 2-Fluorobiphenyl	9.26	172	1051548	66.43	ng	0.00
79) Terphenyl-d14	13.02	244	1172052	67.04	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.64	163	197453	9.914	ng	98
71) Phenanthrene	11.45	178	300074	11.272	ng	97
72) Anthracene	11.50	178	74731	2.831	ng	96
75) Fluoranthene	12.64	202	411955	11.371	ng	99
78) Pyrene	12.87	202	363233	14.067	ng	99
81) Benzo(a)anthracene	14.07	228	164196	7.777	ng	98
83) Chrysene	14.10	228	141143	6.899	ng	97
84) Bis(2-ethylhexyl)phthalate	14.06	149	34326	2.553	ng	96
86) Indeno(1,2,3-cd)pyrene	17.08	276	80103	4.600	ng	95
88) Benzo(b)fluoranthene	15.13	252	167708m	9.078	ng	
89) Benzo(k)fluoranthene	15.16	252	49670m	2.854	ng	
90) Benzo(a)pyrene	15.51	252	111959	6.892	ng	99
92) Benzo(a,h,i)perylene	17.54	276	74910	5.379	ng	96

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

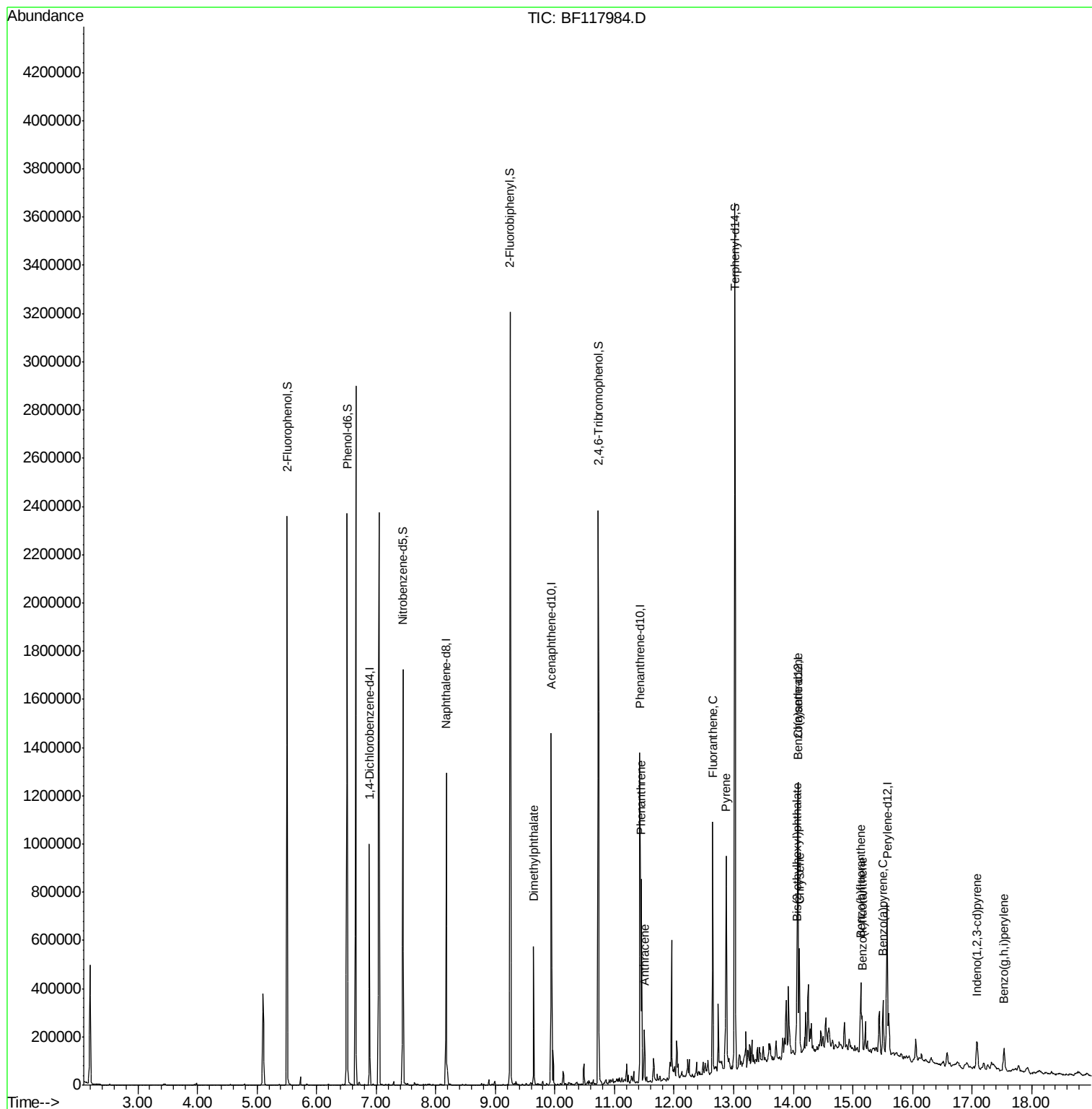
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
Data File : BF117984.D
Acq On : 25 Nov 2019 23:49
Operator : JU
Sample : K5973-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

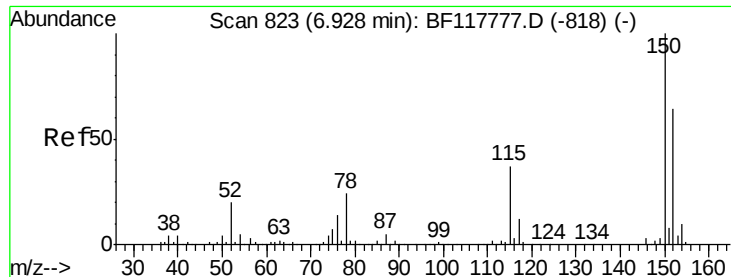
Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-1

Quant Time: Nov 26 05:51:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:38:20 2019
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#1

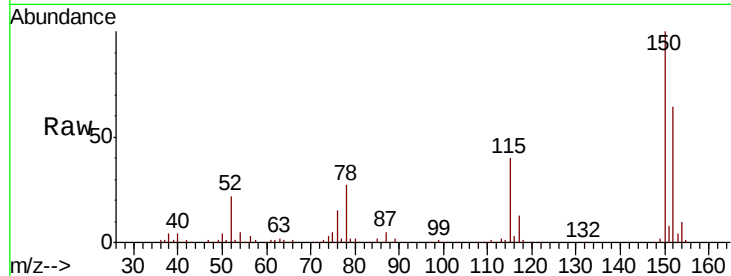
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF117984.D
Acq: 25 Nov 2019 23:49

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.3	187.9
115	62.6	47.0	70.4

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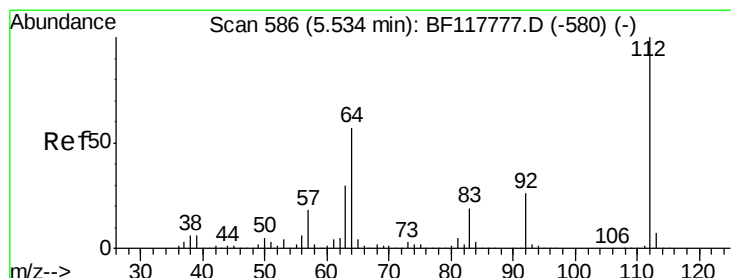
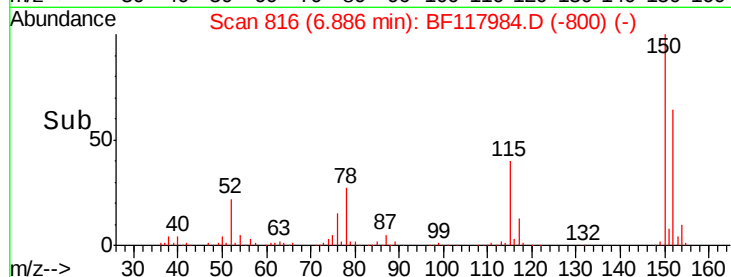
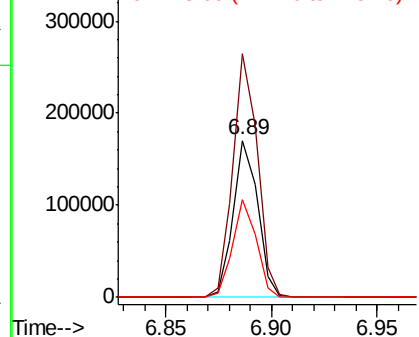


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

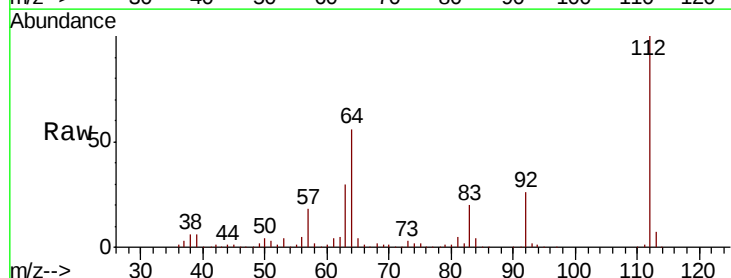
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.795 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF117984.D
Acq: 25 Nov 2019 23:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	45.6	68.4
63	30.4	24.1	36.1

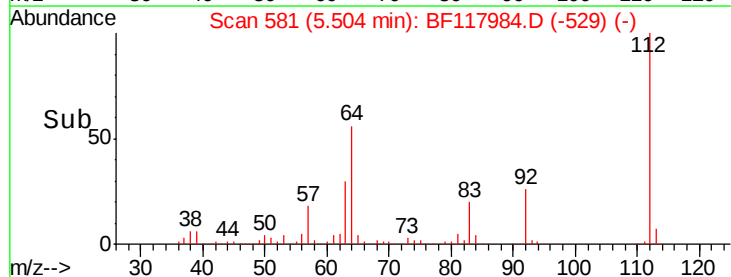
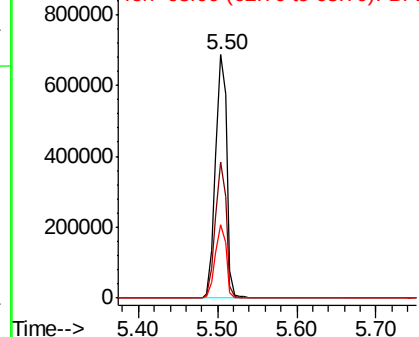


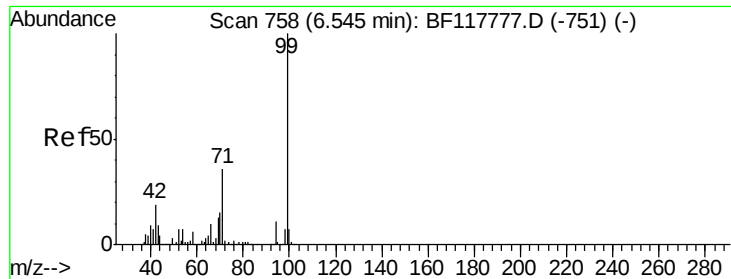
Abundance

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: 92.647 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF117984.D

Acq: 25 Nov 2019 23:49

Instrument :

BNA_F

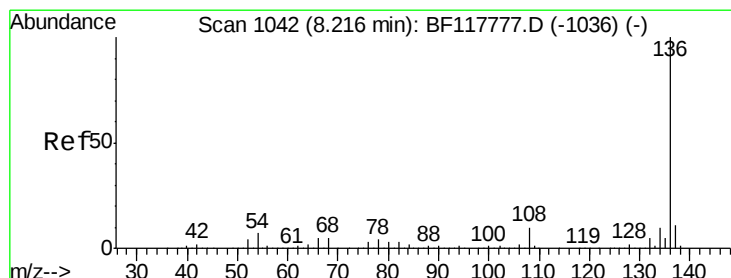
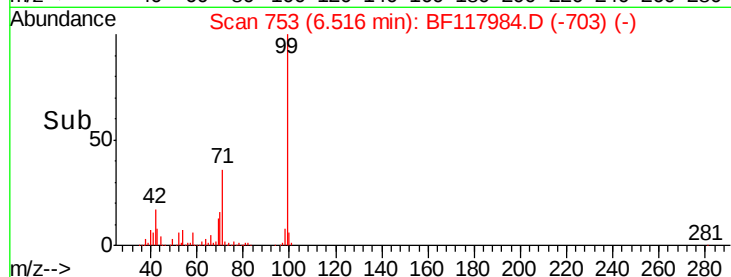
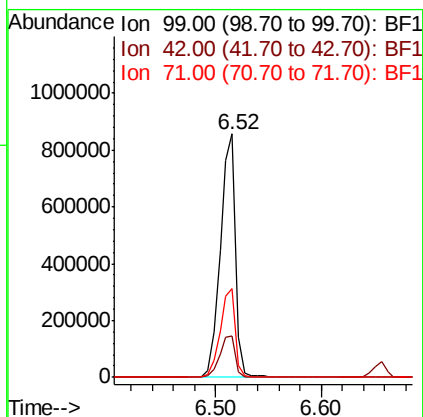
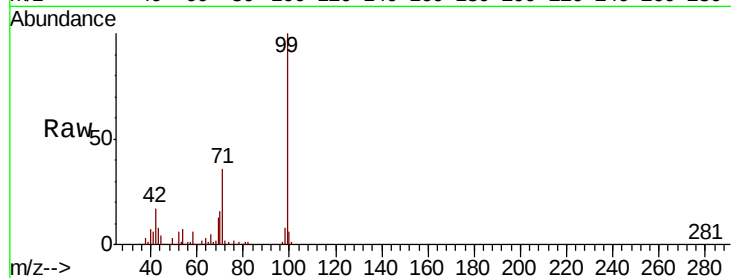
ClientSampleId :

DUCT-BANK-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		861848		
42	17.0	14.9	22.3		
71	36.2	28.6	43.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

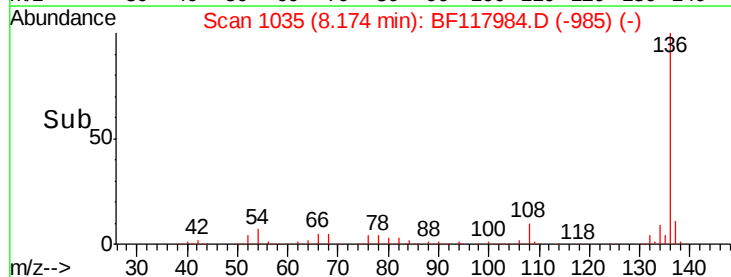
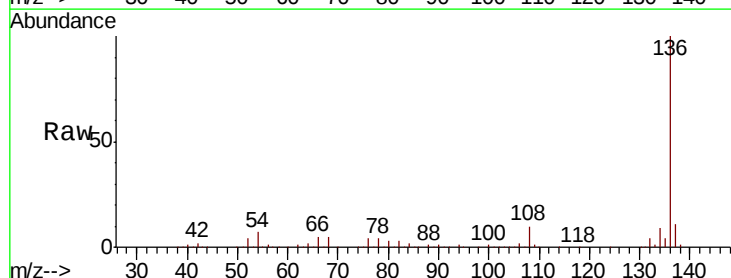
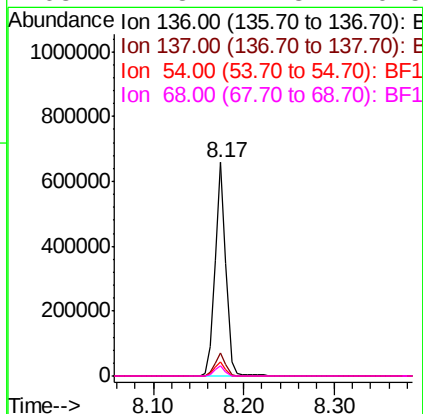
RT: 8.17 min Scan# 1035

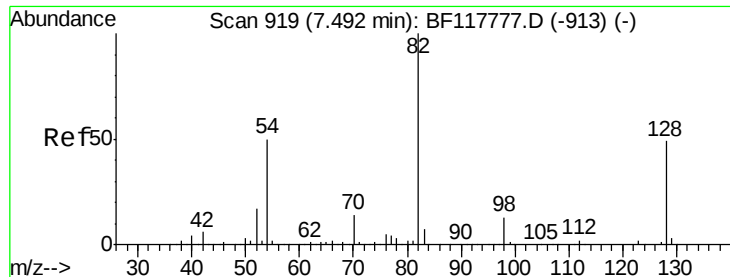
Delta R.T. -0.01 min

Lab File: BF117984.D

Acq: 25 Nov 2019 23:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		542218		
137	10.9	9.0	13.4		
54	6.6	5.4	8.2		
68	4.8	4.3	6.5		





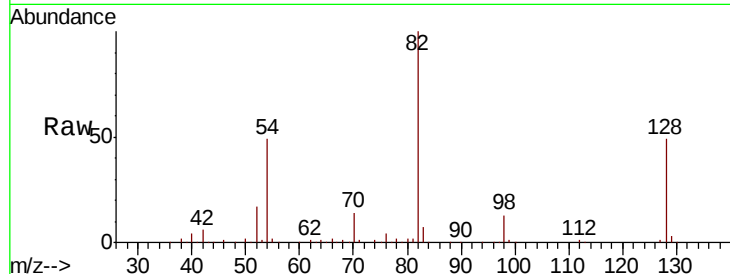
#23
 Nitrobenzene-d5
 Concen: 57.583 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF117984.D
 Acq: 25 Nov 2019 23:49

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.9	38.9	58.3
54	48.6	39.8	59.6

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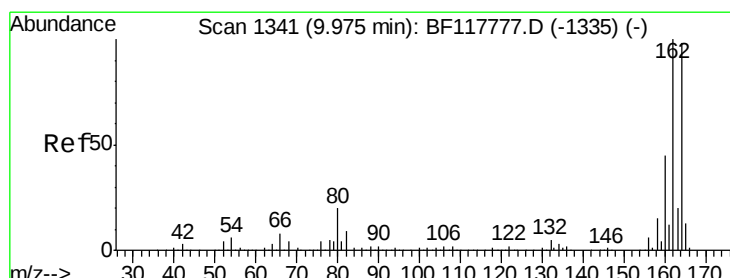
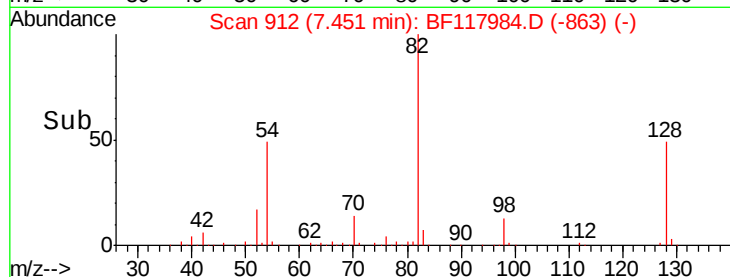
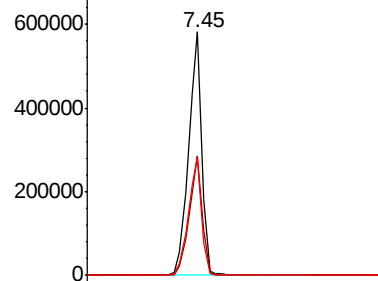


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: BF117984.D
 Acq: 25 Nov 2019 23:49

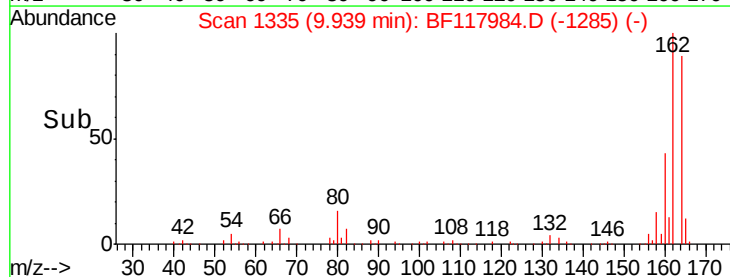
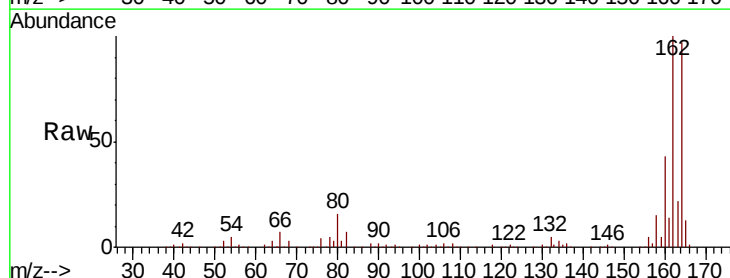
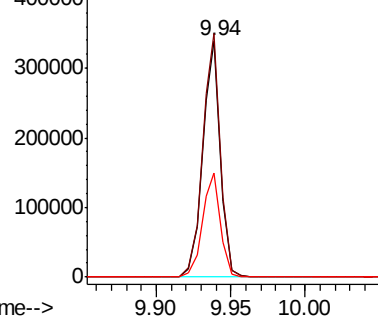
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.3	121.9
160	44.3	36.6	55.0

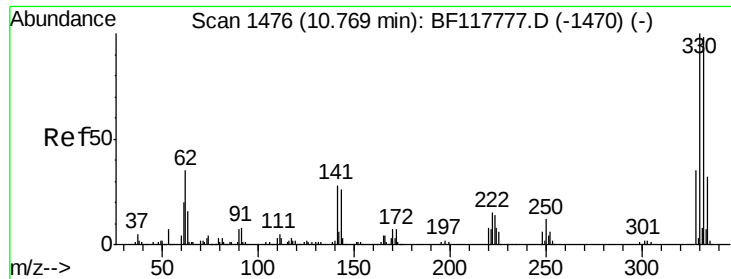
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 91.613 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.01 min

Lab File: BF117984.D

Acq: 25 Nov 2019 23:49

Instrument :

BNA_F

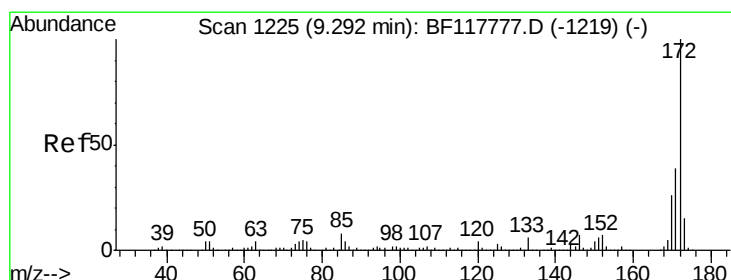
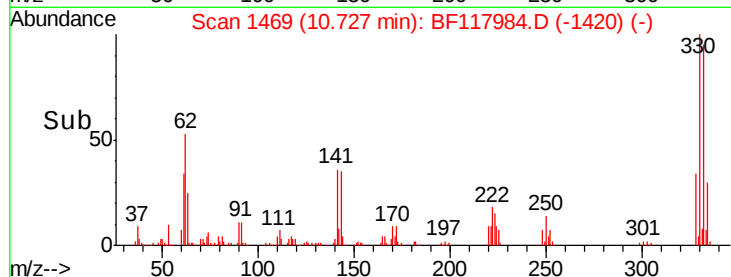
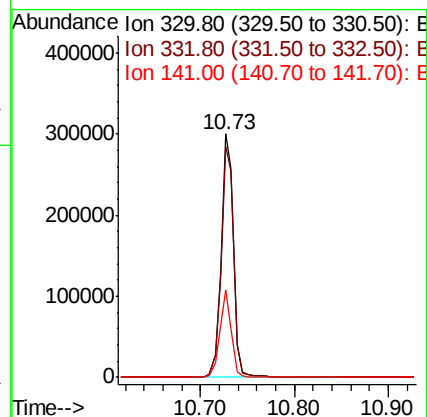
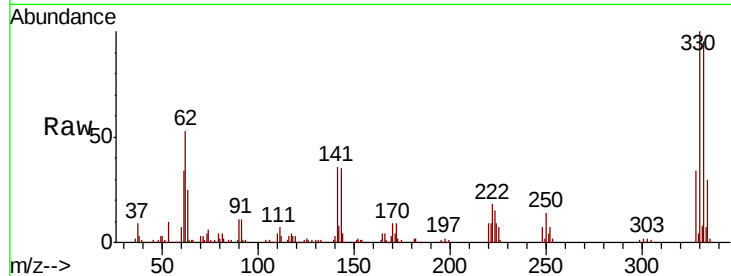
ClientSampleId :

DUCT-BANK-1

Tot Ion:	330	Resp:	275457
Ion Ratio	Lower	Upper	
330	100		
332	96.5	76.7	115.1
141	34.1	27.7	41.5

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#45

2-Fluorobiphenyl

Concen: 66.425 ng

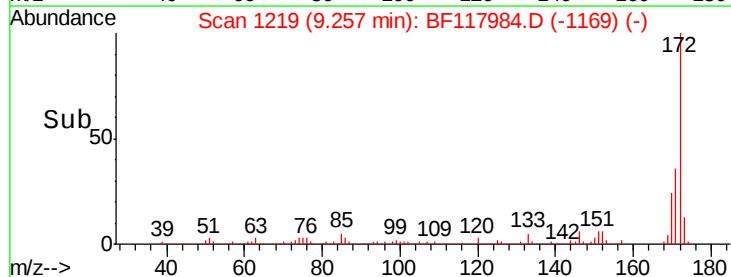
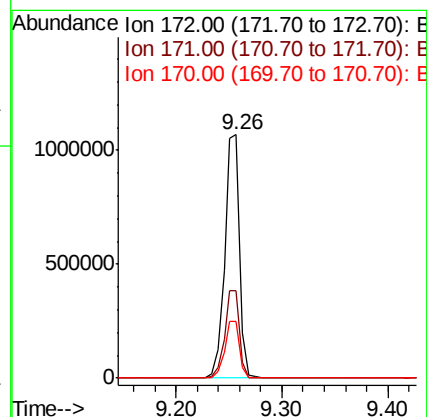
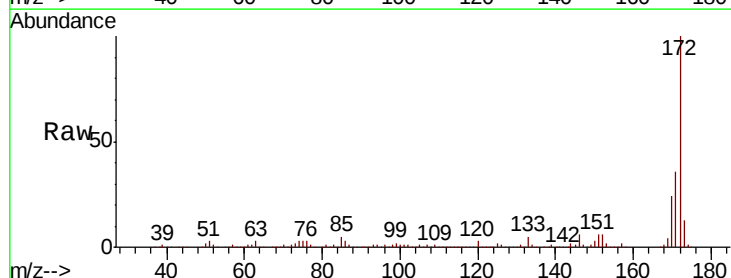
RT: 9.26 min Scan# 1219

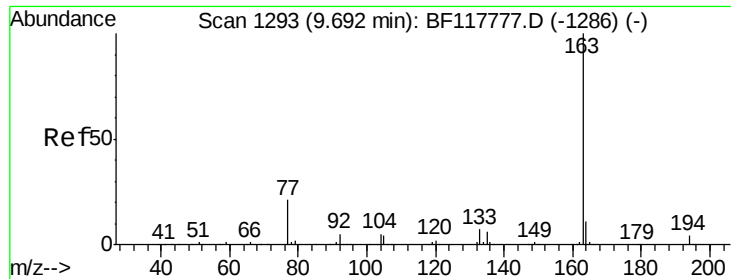
Delta R.T. -0.01 min

Lab File: BF117984.D

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Tgt Ion:	172	Resp:	1051548
Ion Ratio	Lower	Upper	
172	100		
171	36.0	30.9	46.3
170	23.5	21.0	31.4





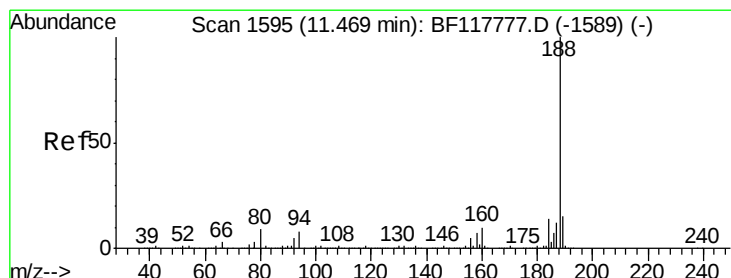
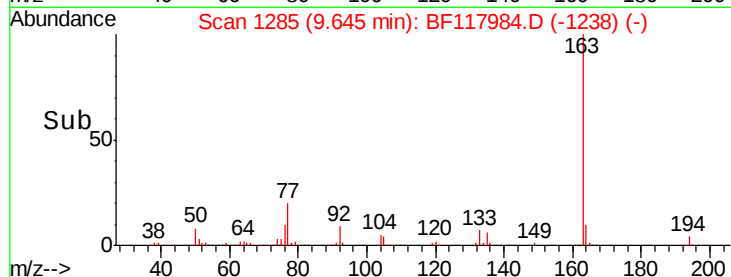
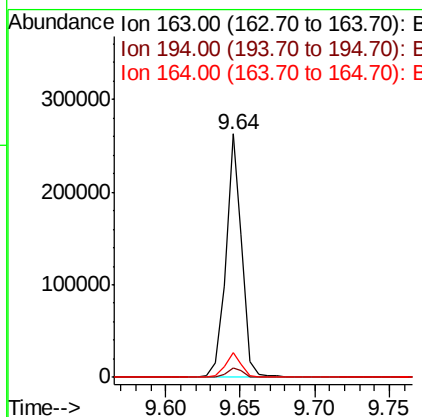
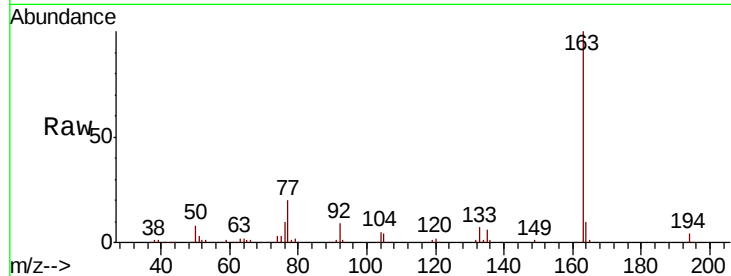
#50
Dimethylphthalate
Concen: 9.914 ng
RT: 9.64 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF117984.D
Acq: 25 Nov 2019 23:49

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	197453		
194	3.6		3.3	4.9
164	10.2		8.7	13.1

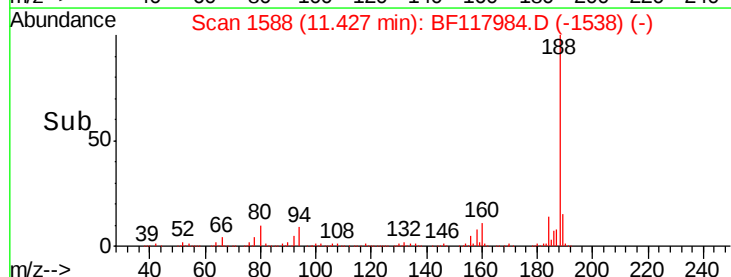
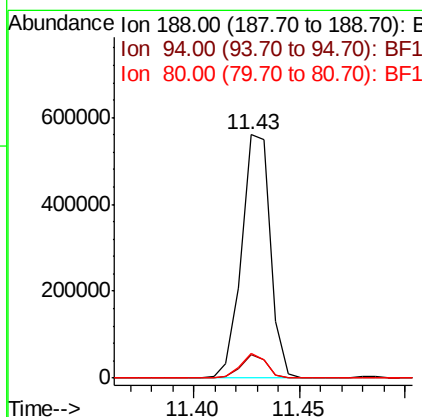
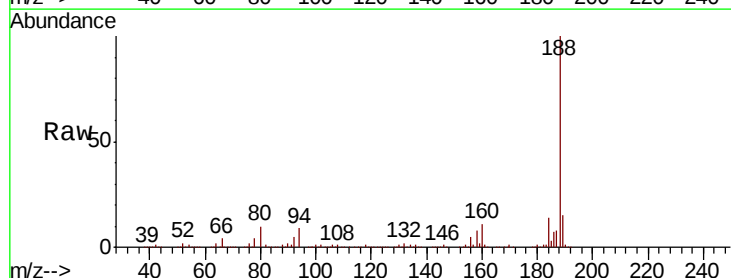
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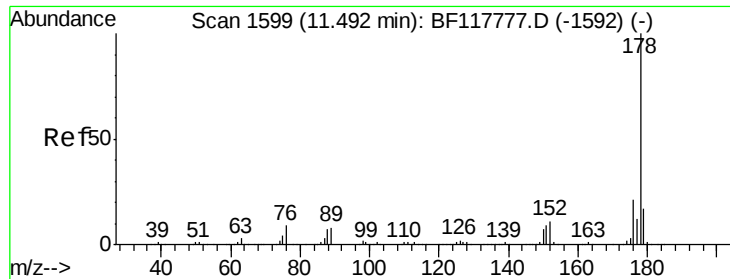
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF117984.D
Acq: 25 Nov 2019 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	529478		
94	9.4		6.6	10.0
80	9.9		7.2	10.8





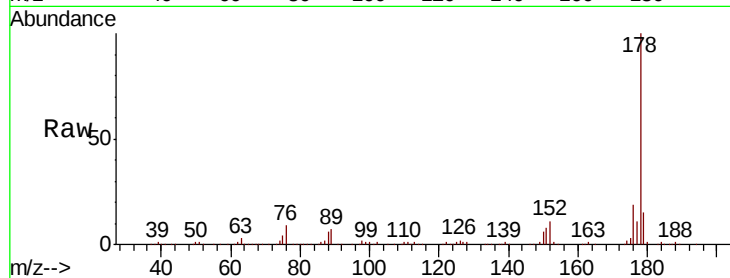
#71
Phenanthrene
Concen: 11.272 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF117984.D
Acq: 25 Nov 2019 23:49

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.6	25.0
179	15.4	13.2	19.8

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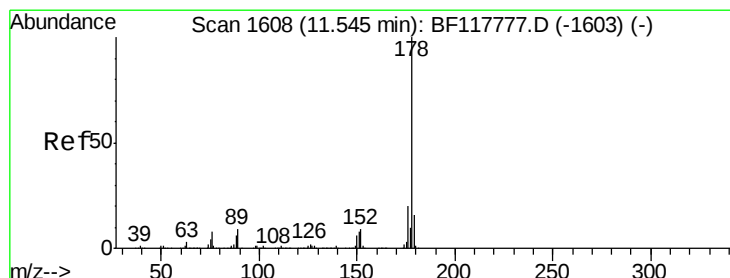
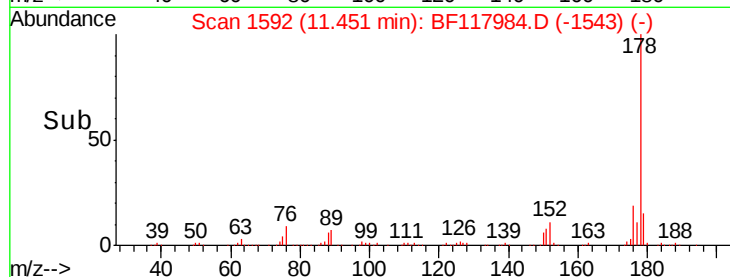
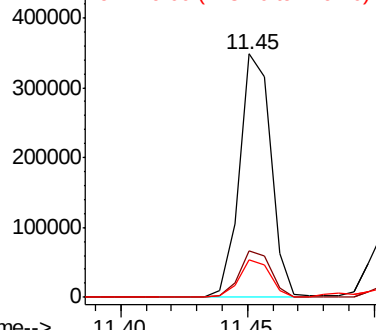


Abundance

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



#72
Anthracene
Concen: 2.831 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF117984.D
Acq: 25 Nov 2019 23:49

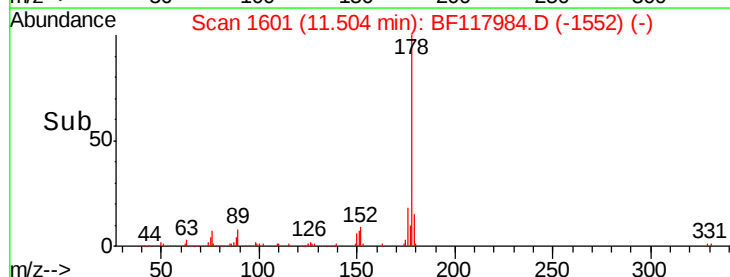
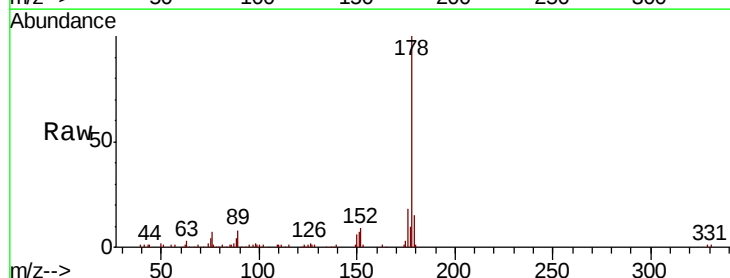
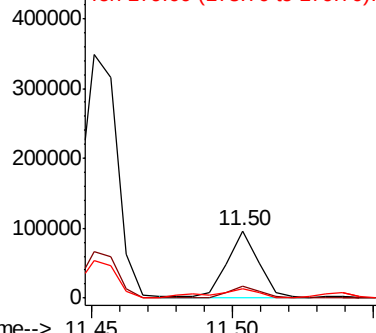
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	16.1	24.1
179	14.8	13.0	19.4

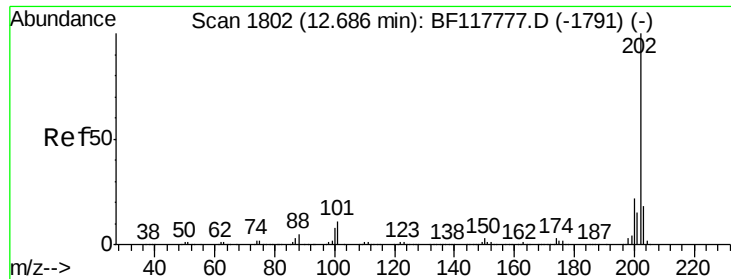
Abundance

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





#75

Fluoranthene

Concen: 11.371 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF117984.D

Acq: 25 Nov 2019 23:49

Instrument :

BNA_F

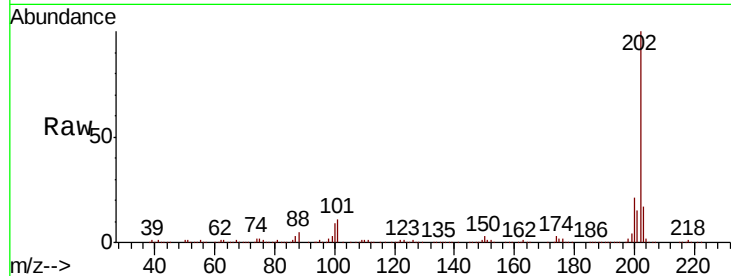
ClientSampleId :

DUCT-BANK-1

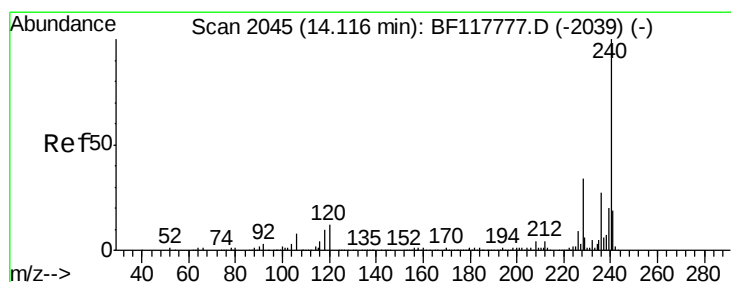
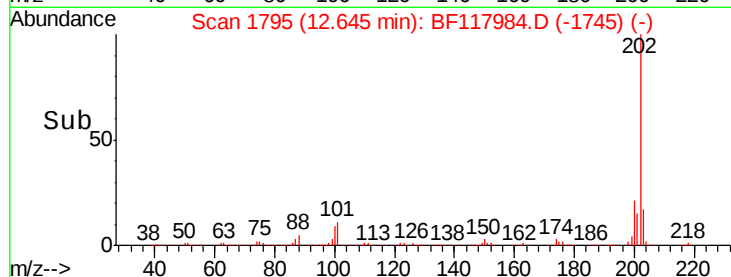
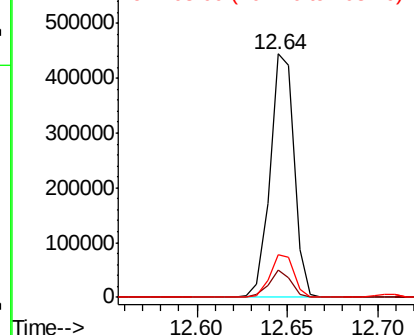
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		411955		
101	11.4	0.0	31.1		
203	17.4	0.0	38.2		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

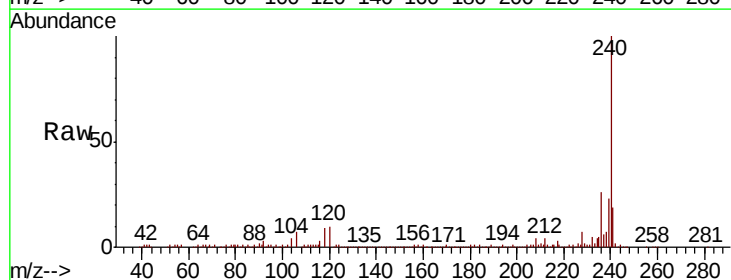
RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

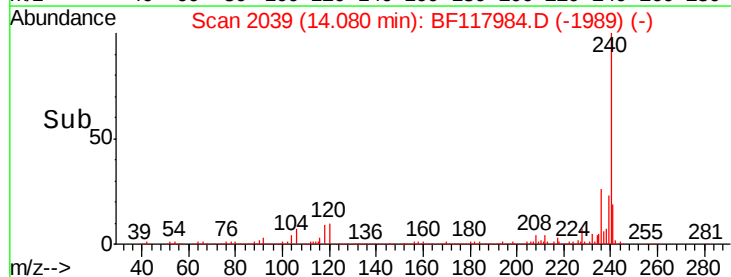
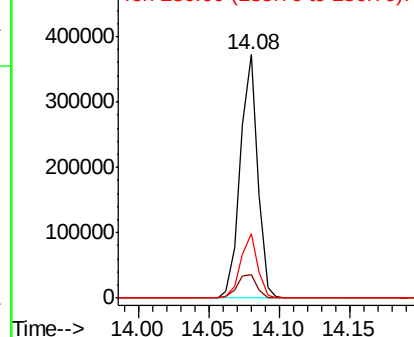
Lab File: BF117984.D

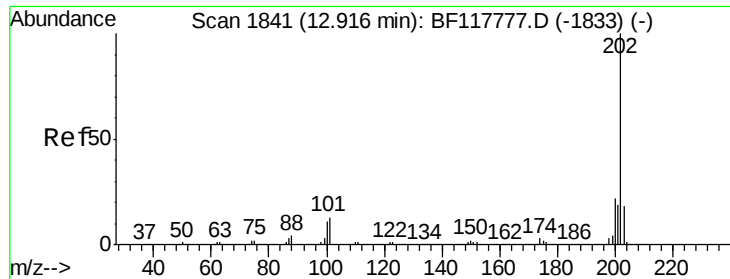
Acq: 25 Nov 2019 23:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		319514		
120	9.8	9.5	14.3		
236	26.4	21.3	31.9		



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





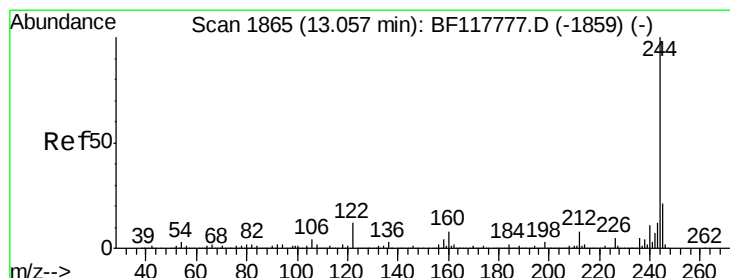
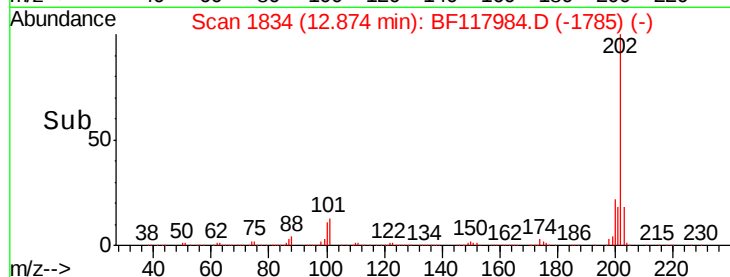
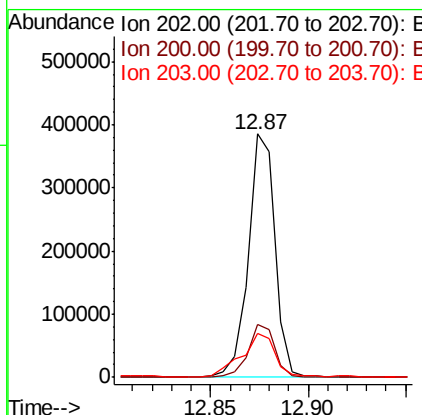
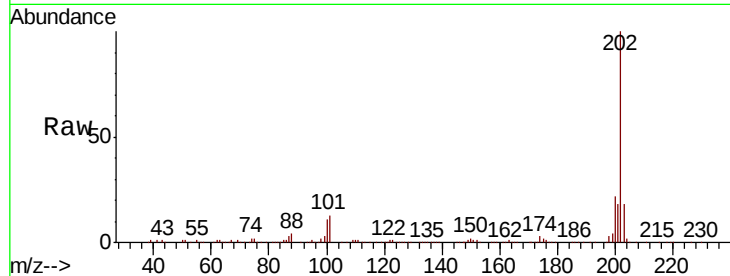
#78
Pvrene
Concen: 14.067 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF117984.D
Acq: 25 Nov 2019 23:49

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.8	26.8
203	18.2	14.6	22.0

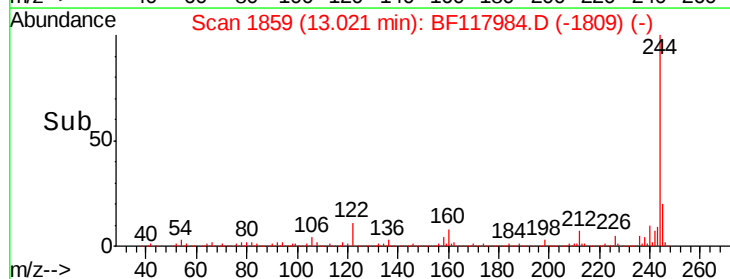
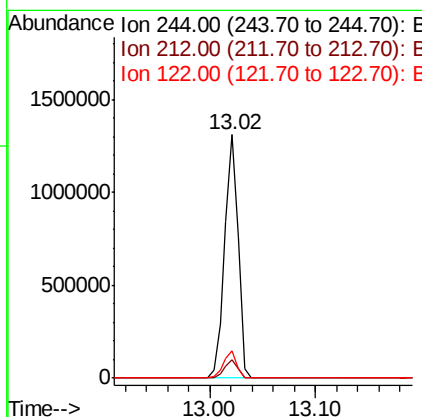
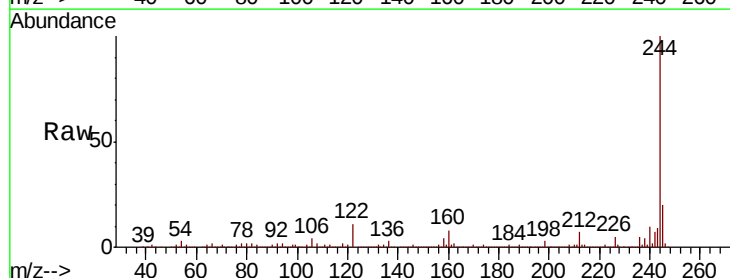
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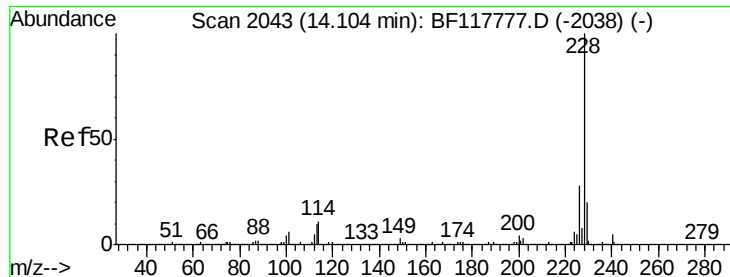
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#79
Terphenyl-d14
Concen: 67.041 ng
RT: 13.02 min Scan# 1859
Delta R.T. -0.01 min
Lab File: BF117984.D
Acq: 25 Nov 2019 23:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.3	9.5
122	11.0	9.4	14.2





#81

Benzo(a)anthracene

Concen: 7.777 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF117984.D

Acq: 25 Nov 2019 23:49

Instrument :

BNA_F

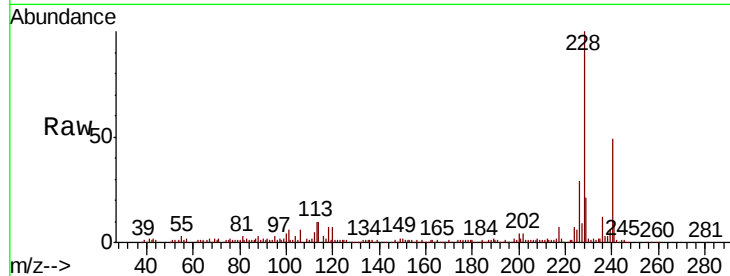
ClientSampleId :

DUCT-BANK-1

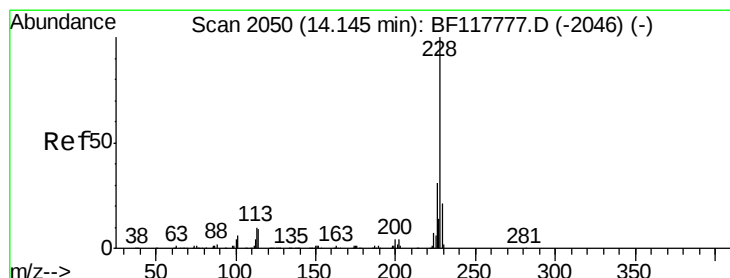
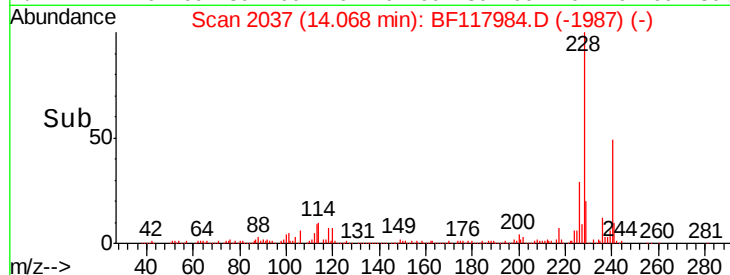
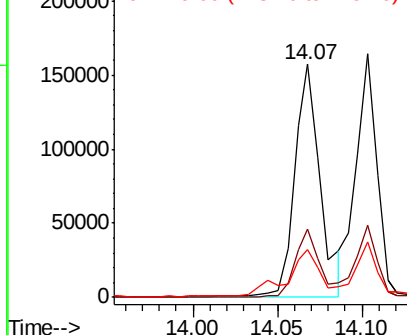
Tot Ion:	228	Resp:	164196
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.2	33.2
229	20.6	15.9	23.9

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 6.899 ng

RT: 14.10 min Scan# 2043

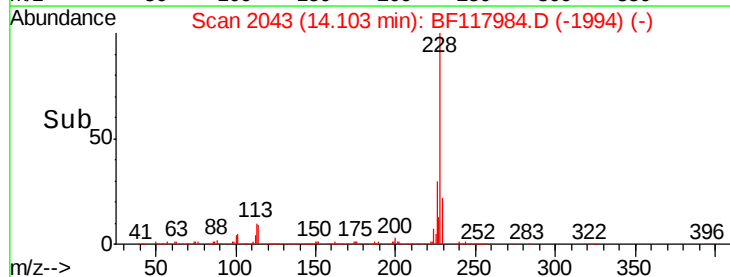
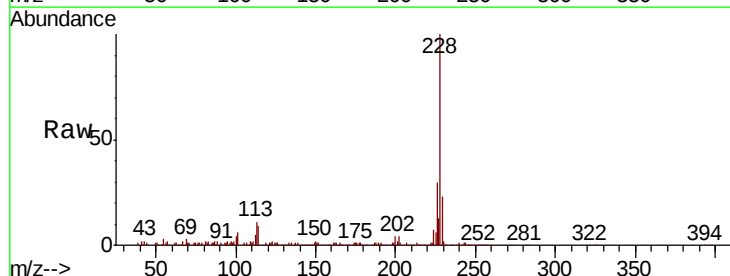
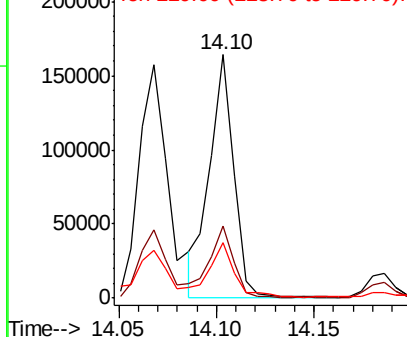
Delta R.T. -0.01 min

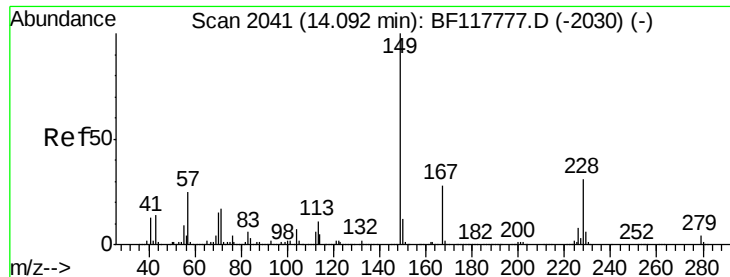
Lab File: BF117984.D

Acq: 25 Nov 2019 23:49

Tgt Ion:	228	Resp:	141143
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.0	37.4
229	22.7	16.6	25.0

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.553 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF117984.D

Acq: 25 Nov 2019 23:49

Instrument :

BNA_F

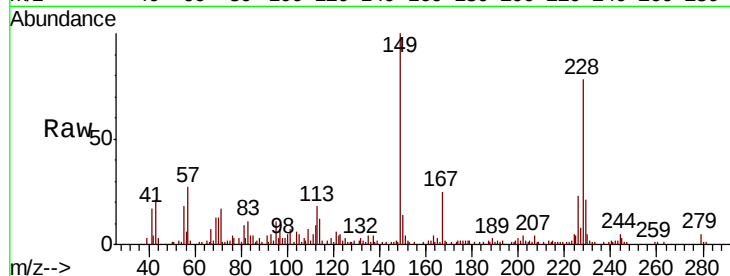
ClientSampleId :

DUCT-BANK-1

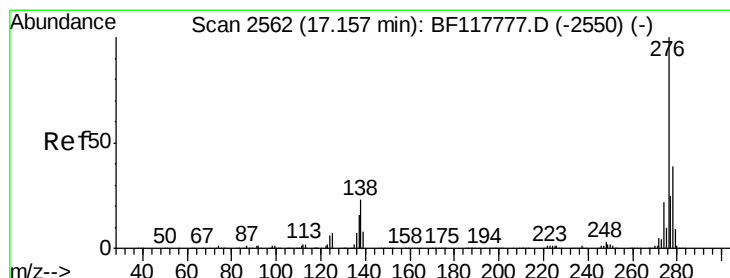
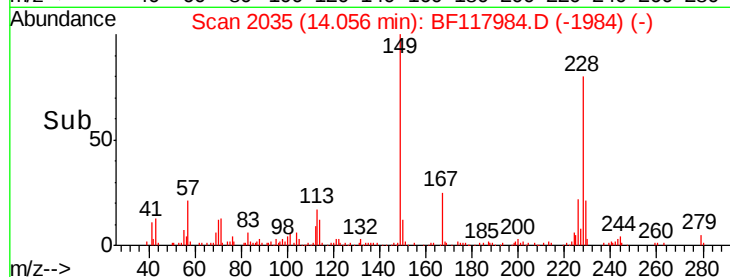
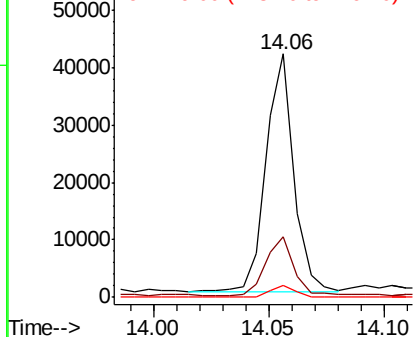
Tot Ion:	149	Resp:	34326
Ion Ratio	Lower	Upper	
149	100		
167	25.1	22.2	33.2
279	4.9	3.4	5.2

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.600 ng

RT: 17.08 min Scan# 2549

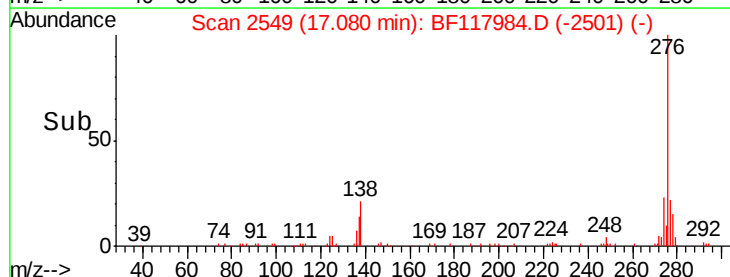
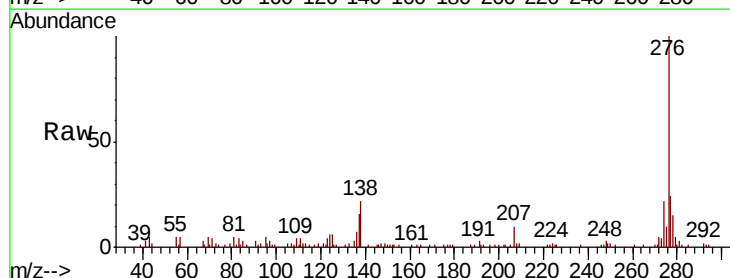
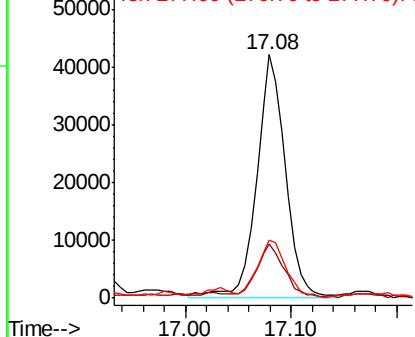
Delta R.T. -0.02 min

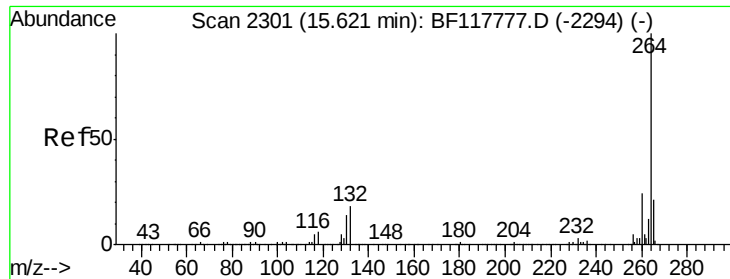
Lab File: BF117984.D

Acq: 25 Nov 2019 23:49

Tgt Ion:	276	Resp:	80103
Ion Ratio	Lower	Upper	
276	100		
138	22.1	20.9	31.3
277	24.1	20.3	30.5

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: BF117984.D

Acq: 25 Nov 2019 23:49

Instrument :

BNA_F

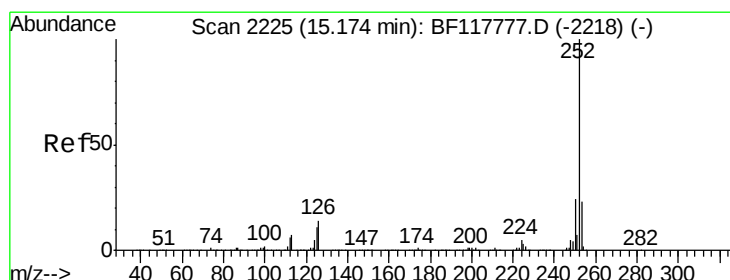
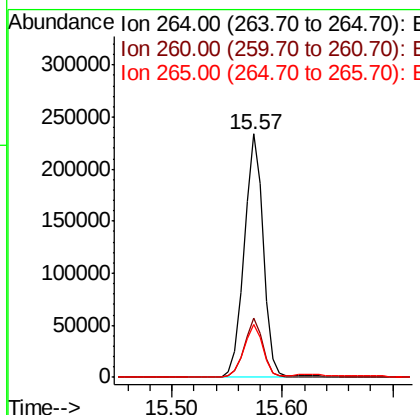
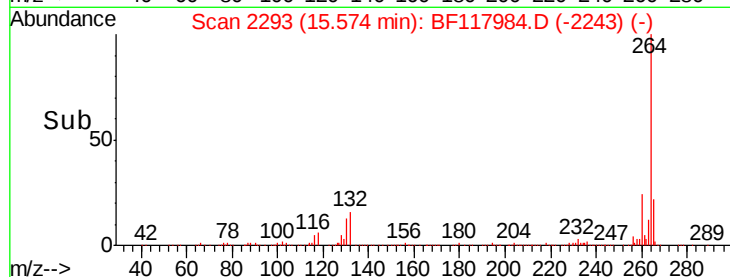
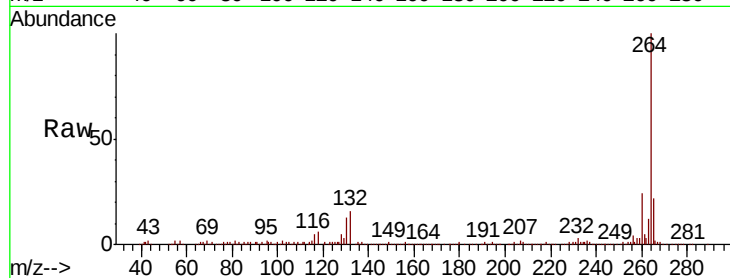
ClientSampleId :

DUCT-BANK-1

Tot Ion:	264	Resp:	284344
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.4	29.0
265	21.5	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 9.078 ng m

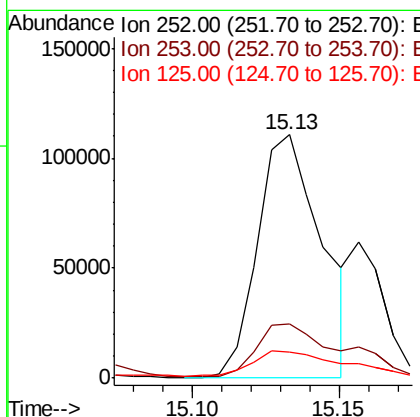
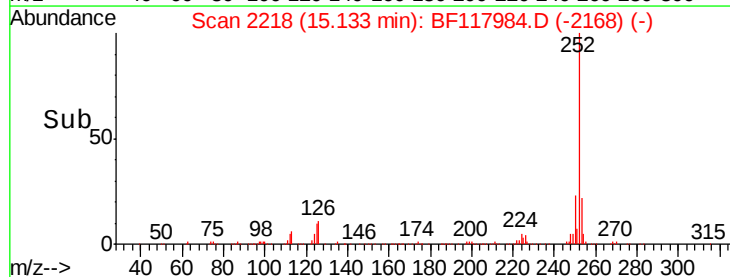
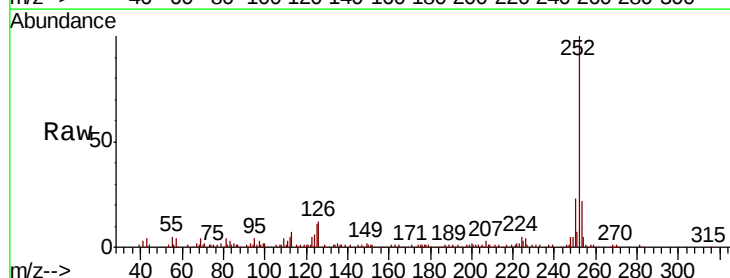
RT: 15.13 min Scan# 2218

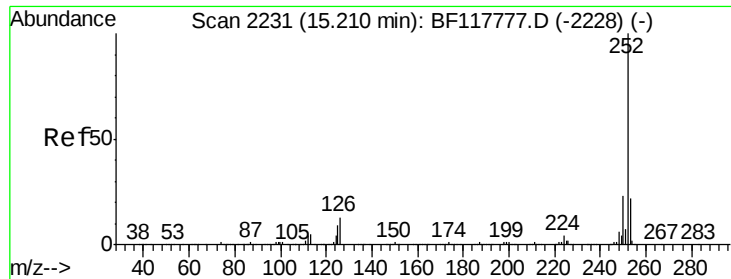
Delta R.T. -0.01 min

Lab File: BF117984.D

Acq: 25 Nov 2019 23:49

Tgt Ion:	252	Resp:	167708
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.0	27.0
125	10.9	8.6	13.0





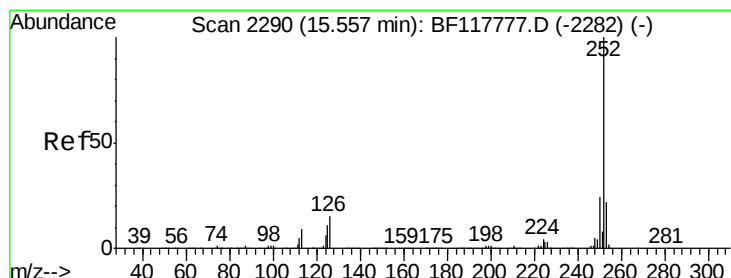
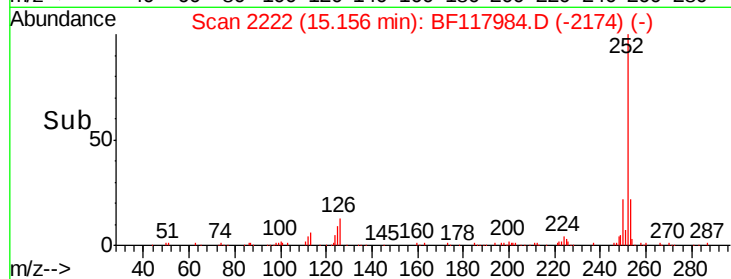
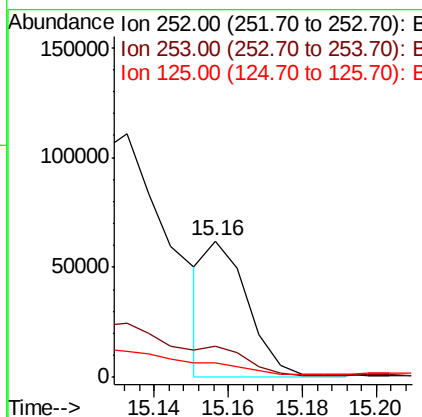
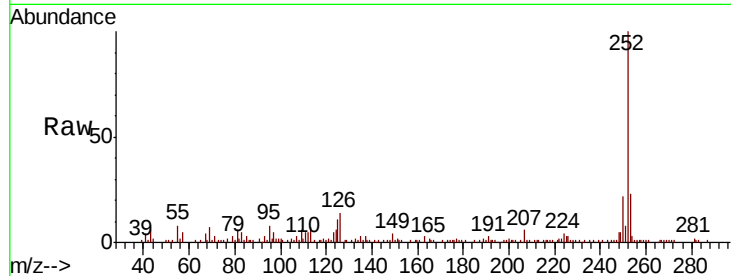
#89
Benzo(k)fluoranthene
Concen: 2.854 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF117984.D
Acq: 25 Nov 2019 23:49

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.8	7.9	11.9

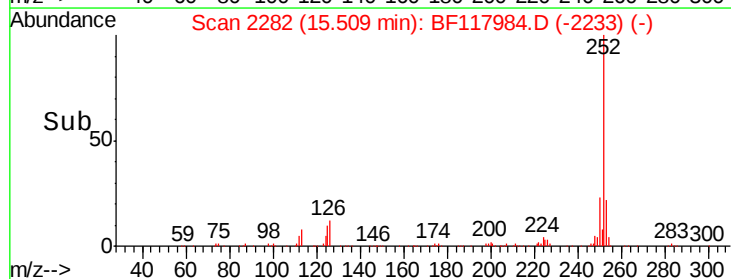
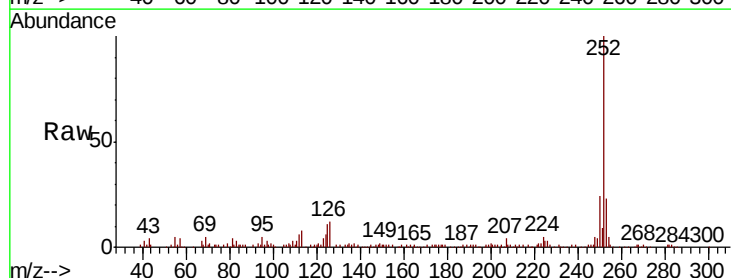
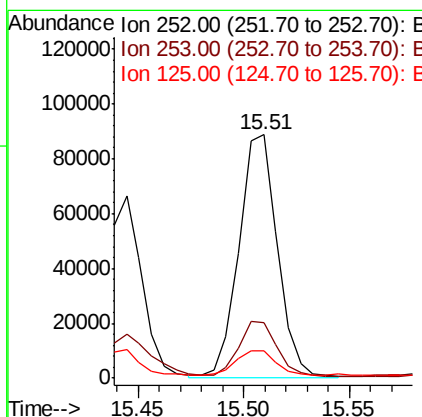
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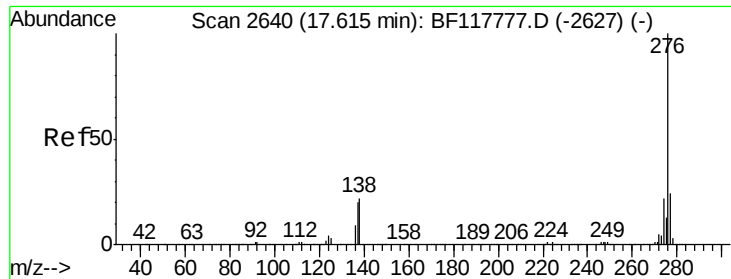
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#90
Benzo(a)pyrene
Concen: 6.892 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF117984.D
Acq: 25 Nov 2019 23:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	11.0	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 5.379 ng
 RT: 17.54 min Scan# 2627
 Delta R.T. -0.02 min
 Lab File: BF117984.D
 Acq: 25 Nov 2019 23:49

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-1

Tot Ion:	276	Resp:	74910
Ion Ratio	Lower	Upper	
276	100		
277	25.9	18.9	28.3
138	20.5	17.4	26.2

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