

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100118\
 Data File : BF109476.D
 Acq On : 1 Oct 2018 16:54
 Operator : JU/SJ
 Sample : J4780-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-092818

Manual Integrations
 APPROVED

Sohil
 10/2/2018 1:01:28 PM

Quant Time: Oct 01 18:31:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	119177	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	445134	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	184167	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	318214	20.00	ng	0.00
75) Chrysene-d12	13.84	240	261326	20.00	ng	0.00
86) Perylene-d12	15.25	264	186697	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	615533	85.07	ng	0.01
7) Phenol-d6	6.36	99	762771	82.61	ng	0.00
23) Nitrobenzene-d5	7.27	82	475962	63.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	154287	84.98	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	790013	64.70	ng	-0.01
78) Terphenyl-d14	12.80	244	635312	59.66	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.46	163	79017	5.899	ng	Qvalue # 99
70) Phenanthrene	11.24	178	79469	5.002	ng	99
74) Fluoranthene	12.43	202	146633	8.636	ng	96
77) Pyrene	12.65	202	267406	14.278	ng	99
80) Benzo(a)anthracene	13.83	228	130227	8.273	ng	93
82) Chrysene	13.87	228	139835	8.963	ng	97
85) Indeno(1,2,3-cd)pyrene	16.60	276	41764	3.303	ng	93
87) Benzo(b)fluoranthene	14.85	252	100176m	9.765	ng	
88) Benzo(k)fluoranthene	14.87	252	35163m	3.612	ng	
89) Benzo(a)pyrene	15.19	252	84339	9.124	ng	97
91) Benzo(g,h,i)perylene	17.02	276	49009	6.575	ng	# 90

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

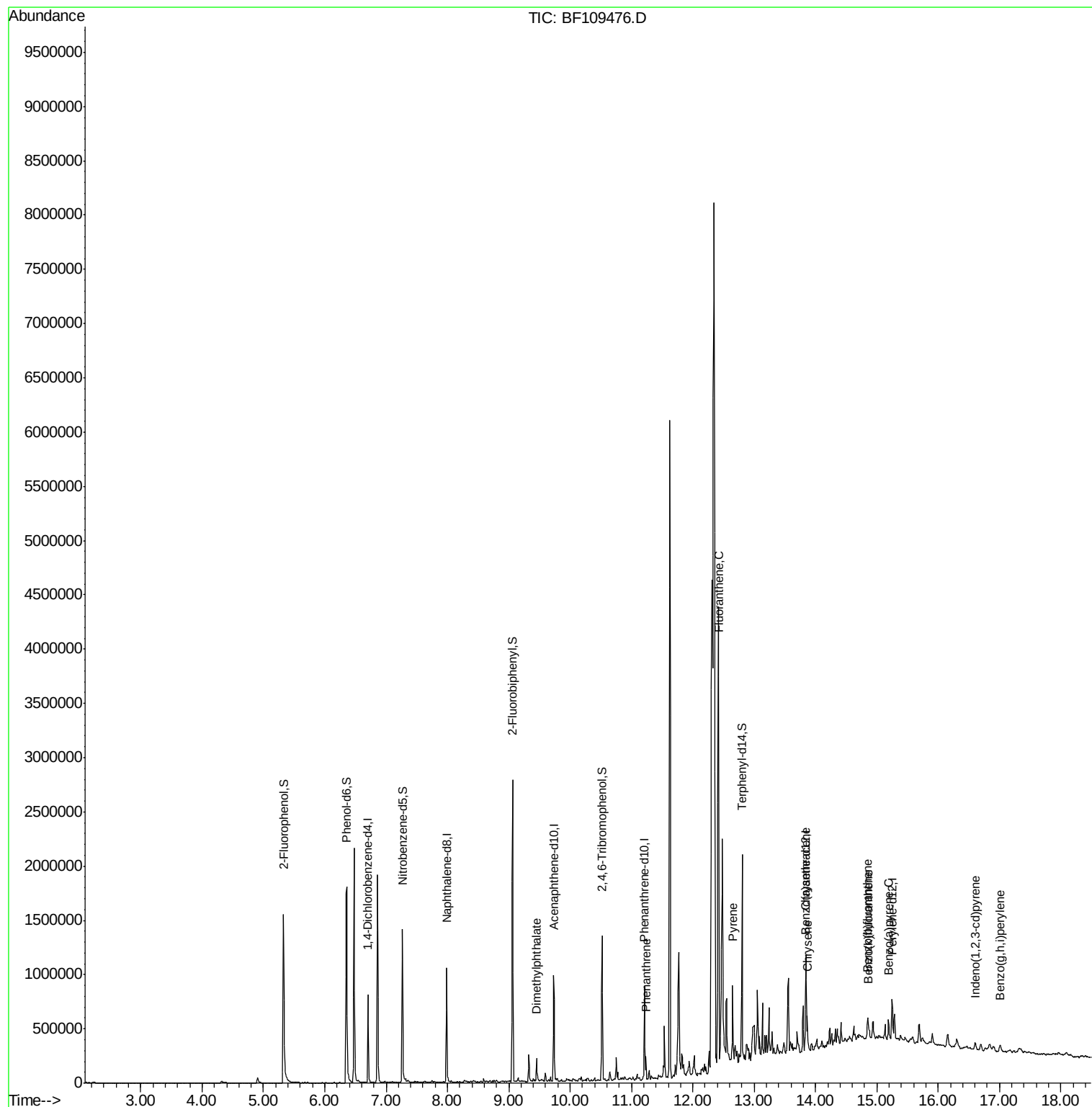
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100118\
Data File : BF109476.D
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Sample : J4780-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

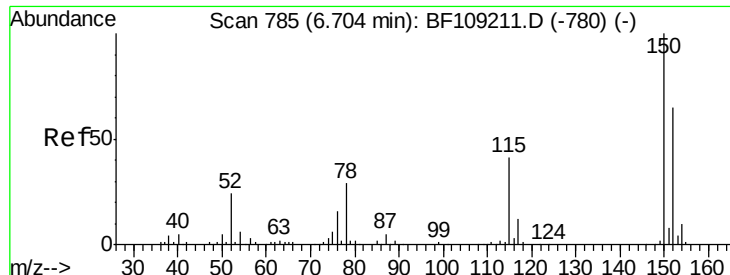
Instrument :
BNA_F
ClientSampleId :
TR-04-092818

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#1

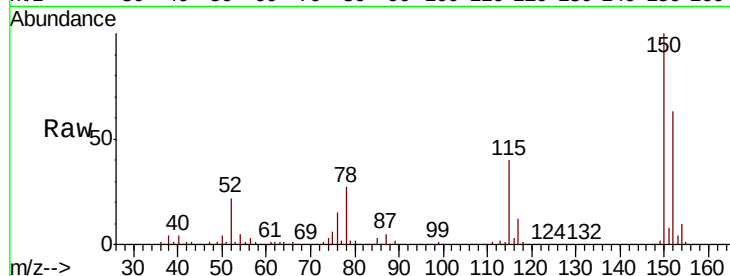
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Instrument :
BNA_F
ClientSampleId :
TR-04-092818

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.6	186.8
115	63.5	50.1	75.1

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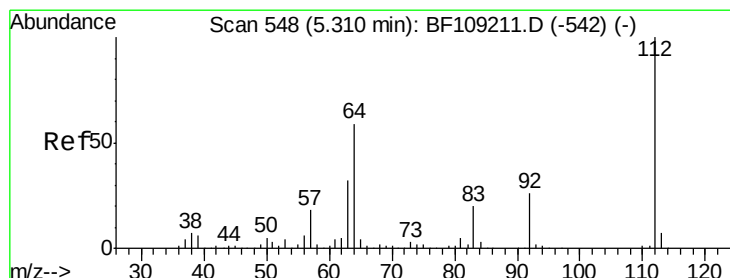
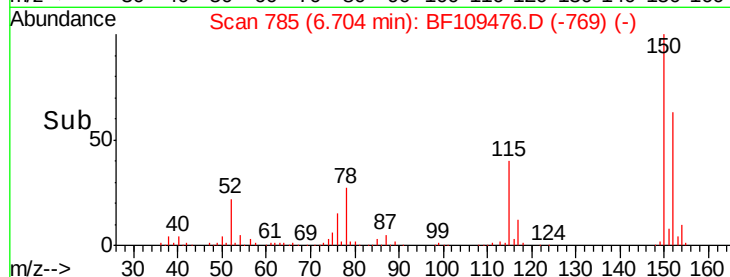
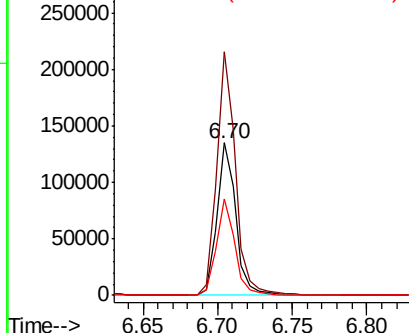


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

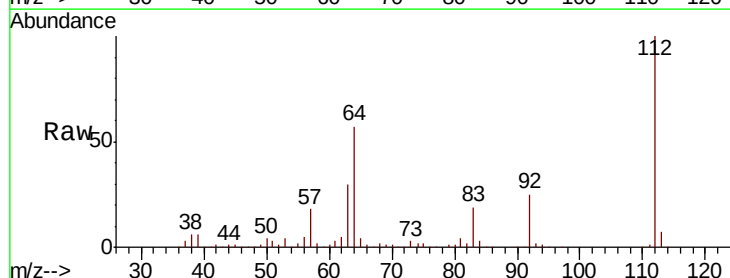
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 85.069 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	30.1	23.7	35.5

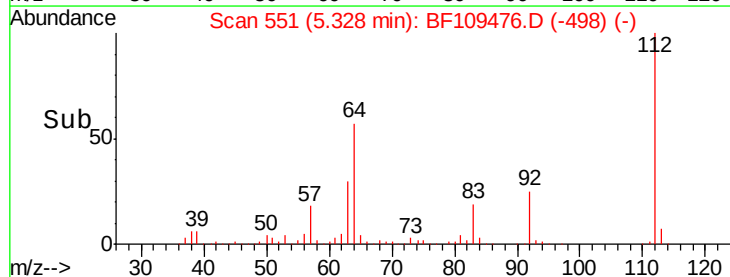
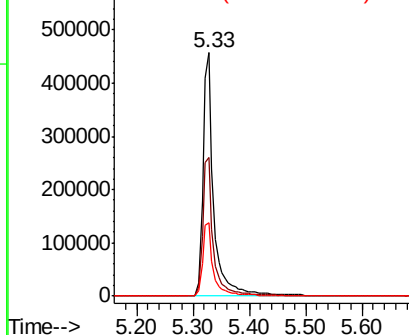


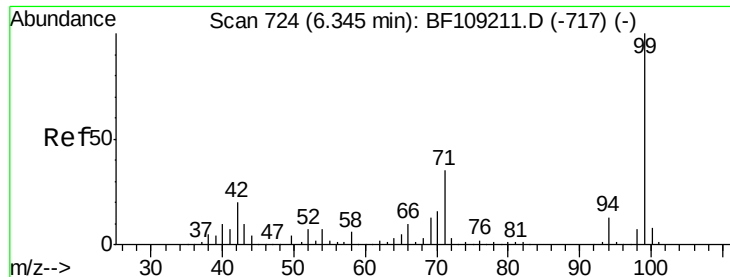
Abundance

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: 82.614 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

Instrument :

BNA_F

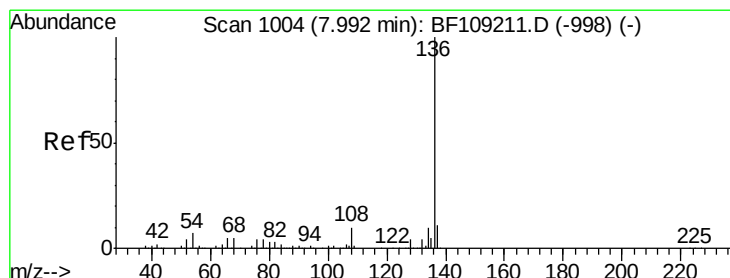
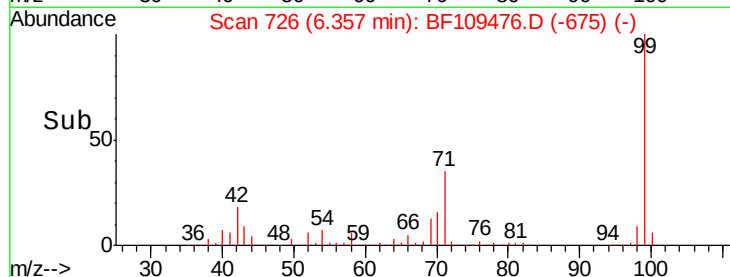
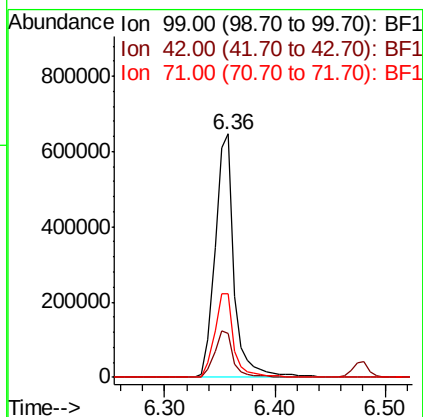
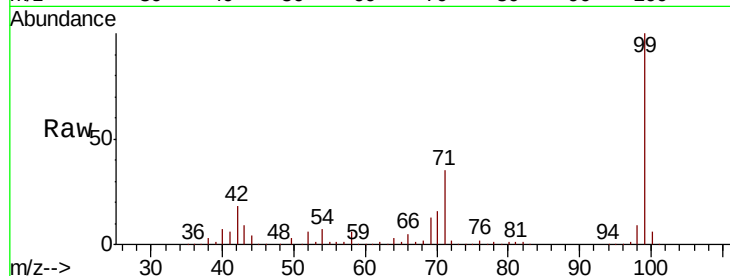
ClientSampleId :

TR-04-092818

Tot Ion:	99	Resp:	762771
Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.5	21.7
71	34.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

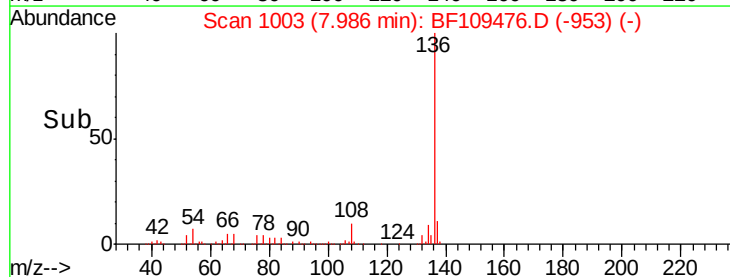
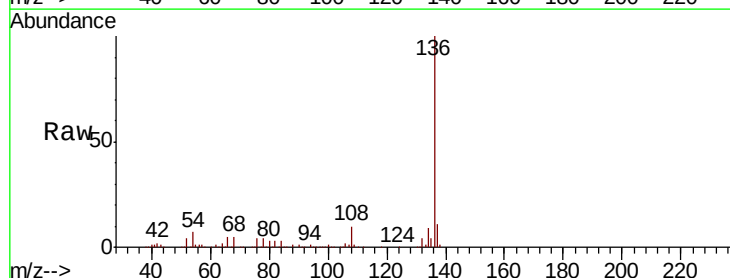
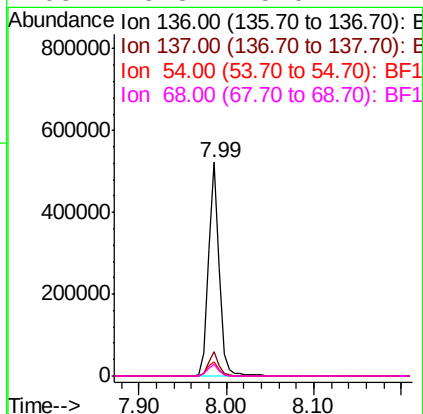
RT: 7.99 min Scan# 1003

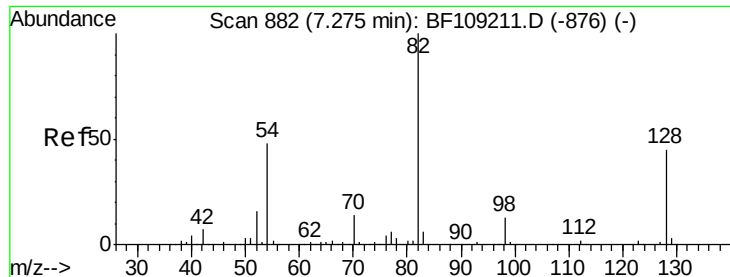
Delta R.T. -0.01 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

Tgt Ion:	136	Resp:	445134
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.8	6.6	9.8
68	5.3	5.0	7.4





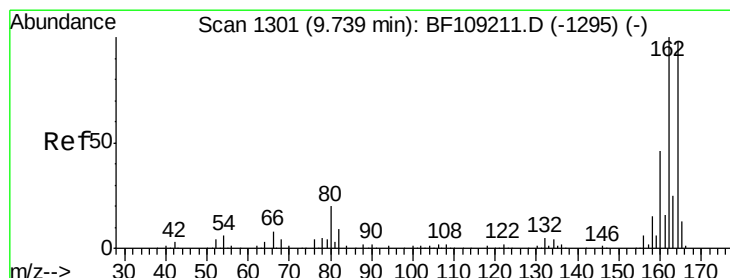
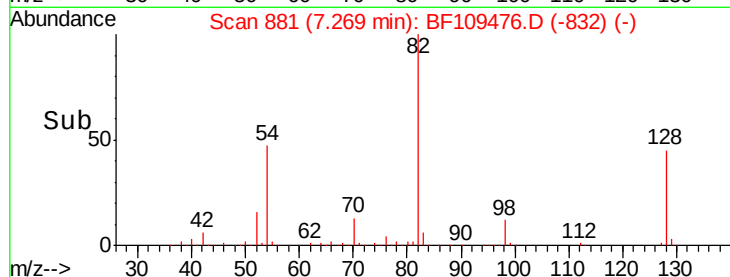
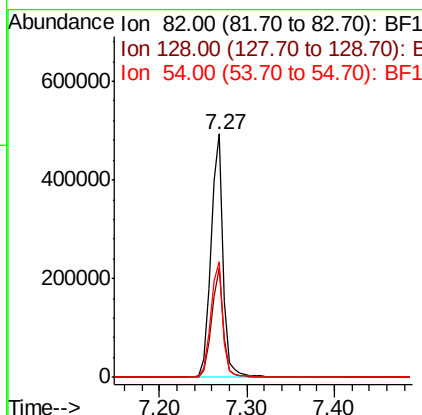
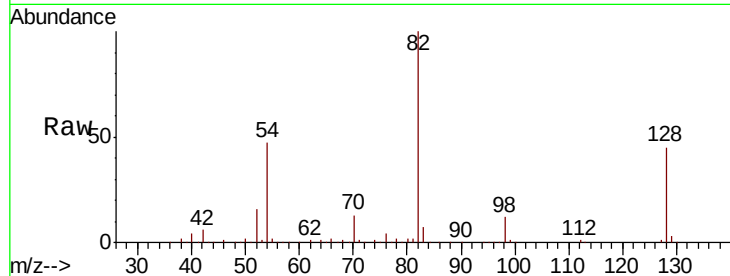
#23
 Nitrobenzene-d5
 Concen: 63.120 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF109476.D
 Acq: 1 Oct 2018 16:54

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-092818

Tot Ion	82	Resp	475962
Ion Ratio	100	Lower	Upper
128	44.6	36.1	54.1
54	47.2	41.4	62.2

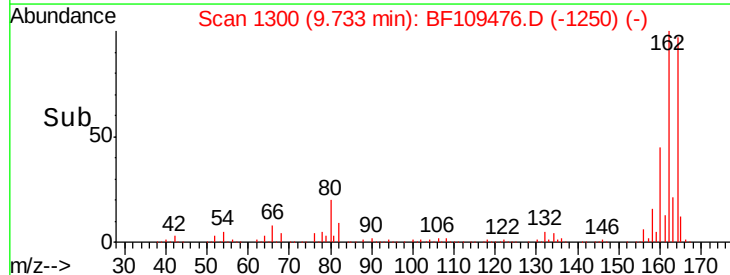
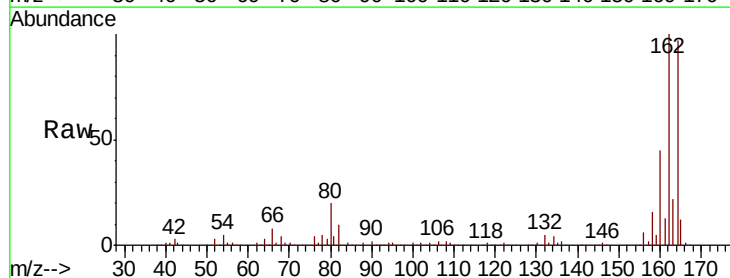
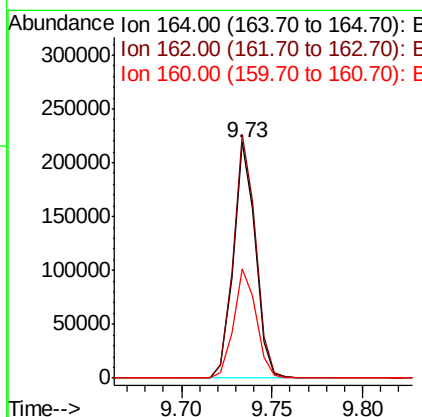
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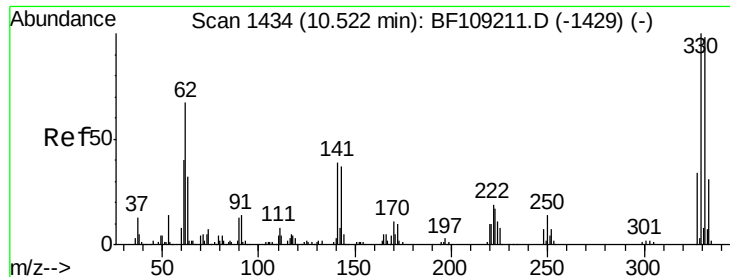
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF109476.D
 Acq: 1 Oct 2018 16:54

Tgt Ion	164	Resp	184167
Ion Ratio	100	Lower	Upper
162	103.4	86.1	129.1
160	46.6	38.3	57.5





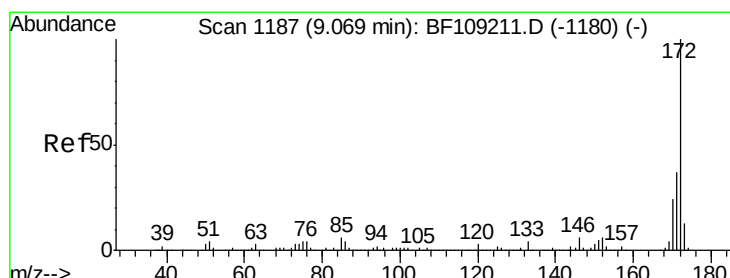
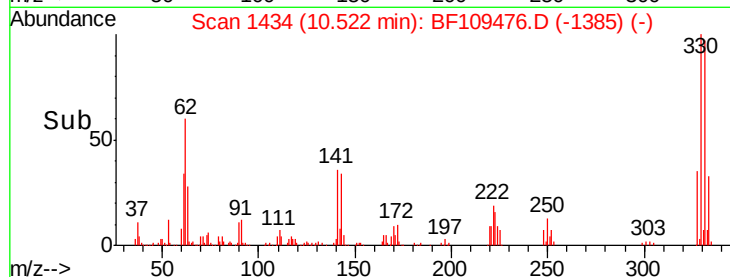
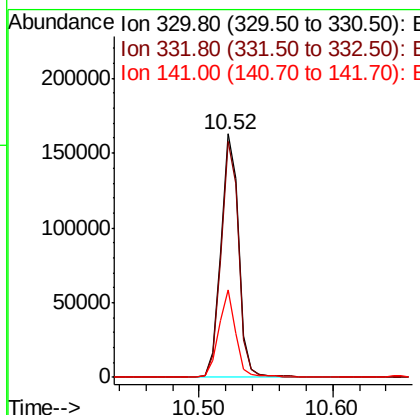
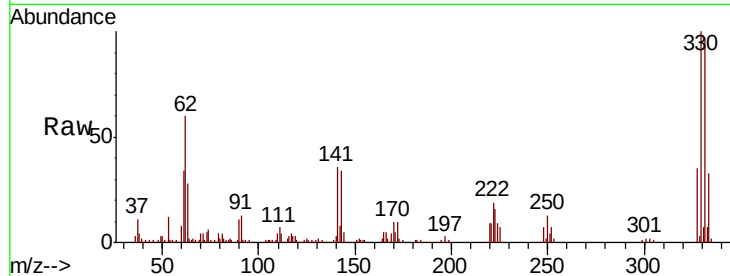
#41
 2,4,6-Tribromophenol
 Concen: 84.983 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109476.D
 Acq: 1 Oct 2018 16:54

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-092818

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	34.7	29.9	44.9

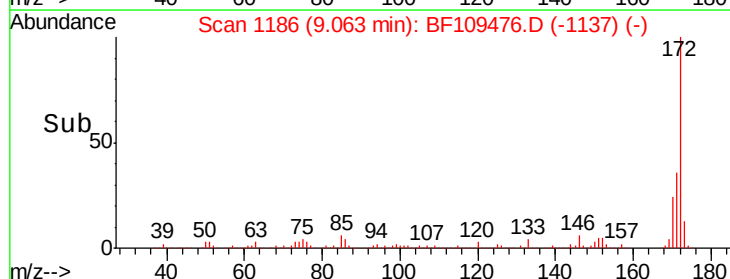
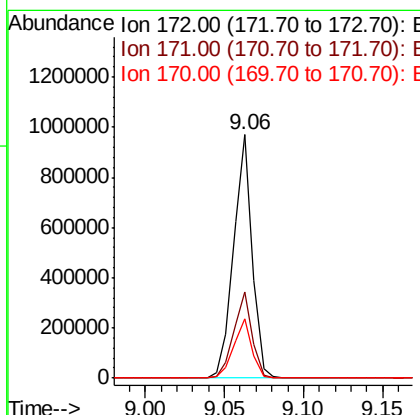
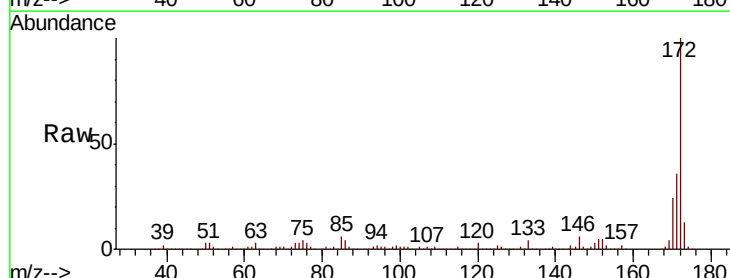
Manual Integrations
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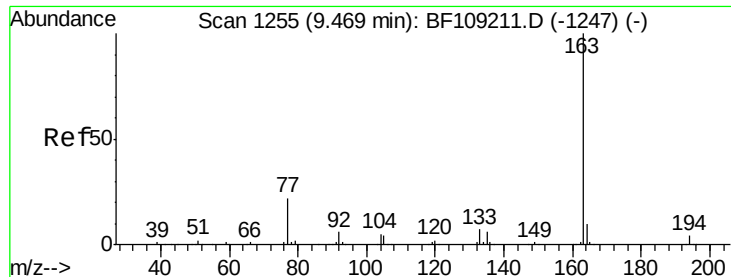
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#44
 2-Fluorobiphenyl
 Concen: 64.696 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109476.D
 Acq: 1 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	24.4	19.6	29.4





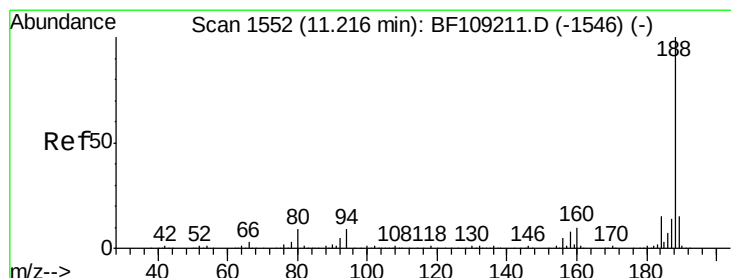
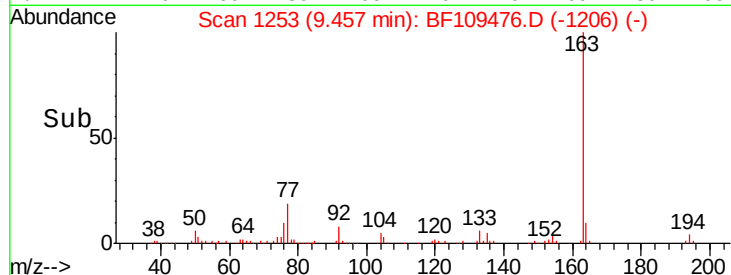
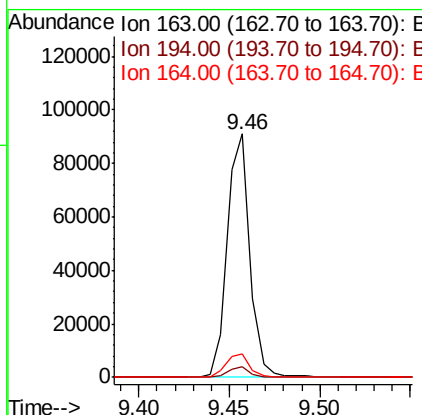
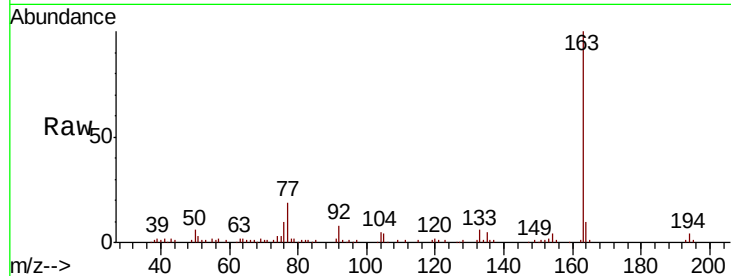
#49
Dimethylphthalate
Concen: 5.899 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Instrument :
BNA_F
ClientSampleId :
TR-04-092818

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.7	4.1#
164	9.8	8.2	12.2

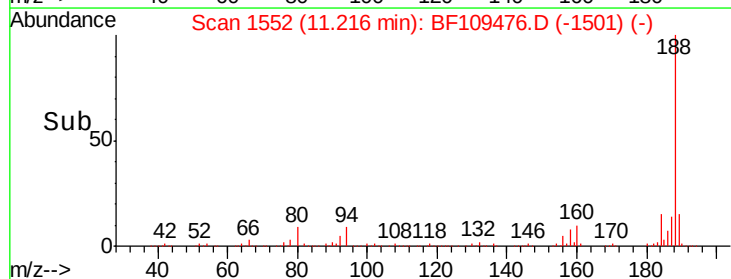
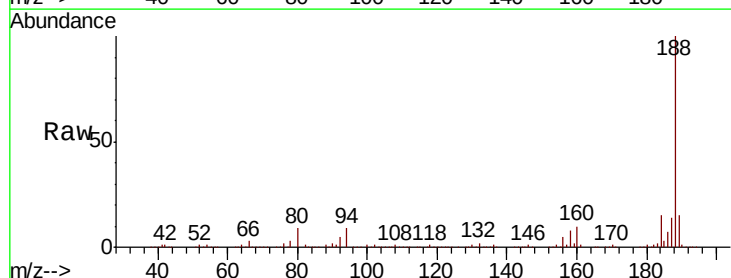
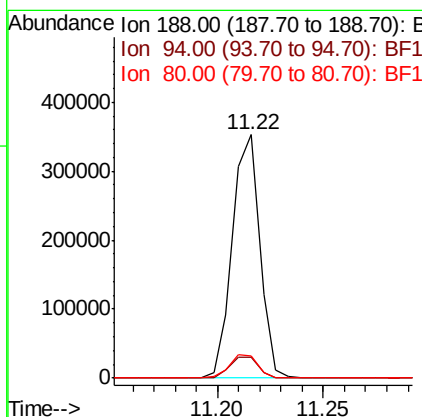
Manual Integrations
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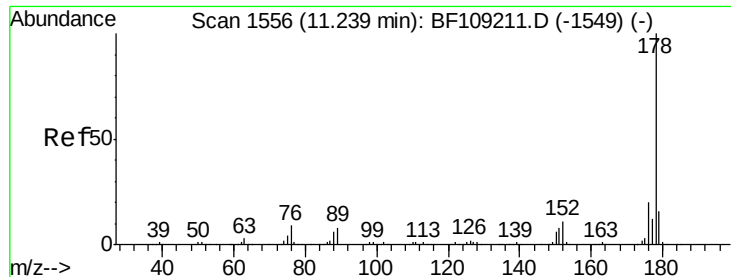
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.5	12.7
80	9.4	9.2	13.8





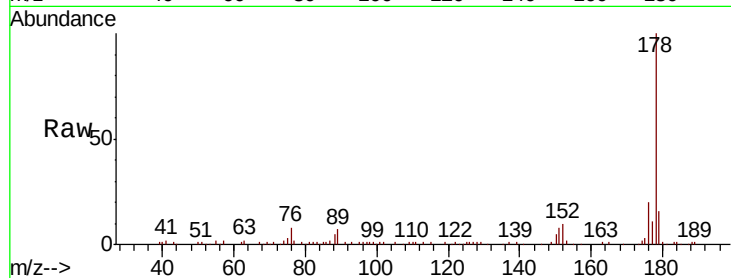
#70
Phenanthrene
Concen: 5.002 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Instrument :
BNA_F
ClientSampleId :
TR-04-092818

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.8	13.0	19.6

Manual Integrations
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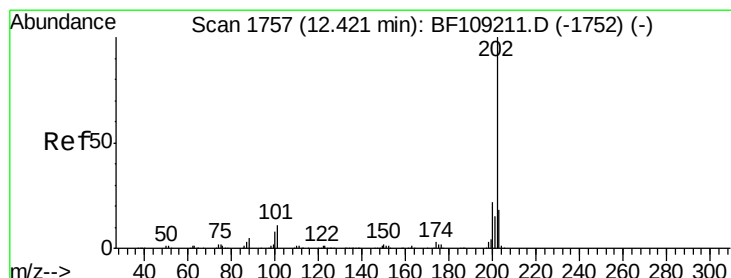
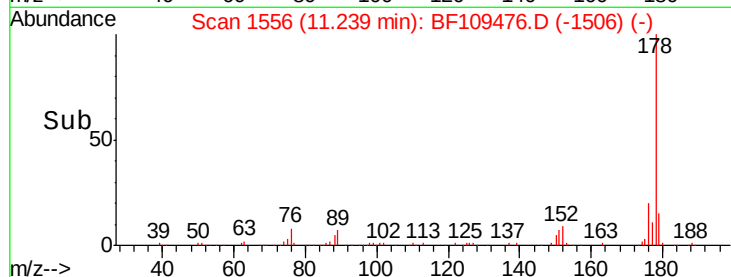
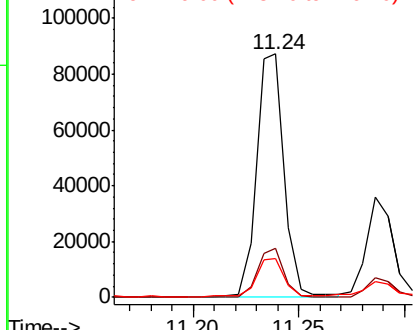


Abundance

Ion 178.00 (177.70 to 178.70): E

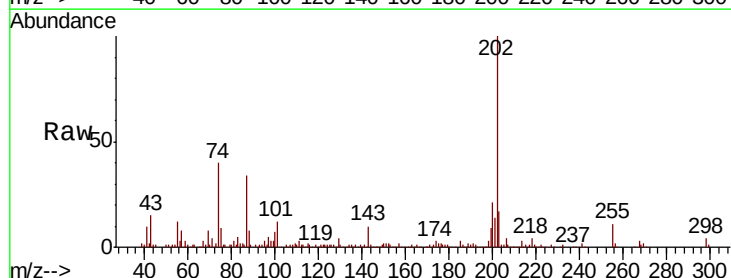
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
Fluoranthene
Concen: 8.636 ng
RT: 12.43 min Scan# 1758
Delta R.T. 0.00 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	16.5	0.0	38.1

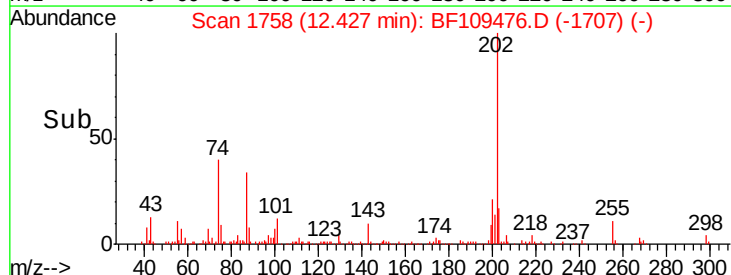
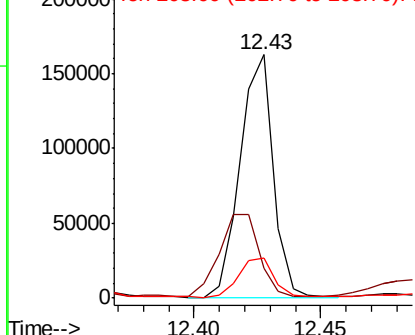


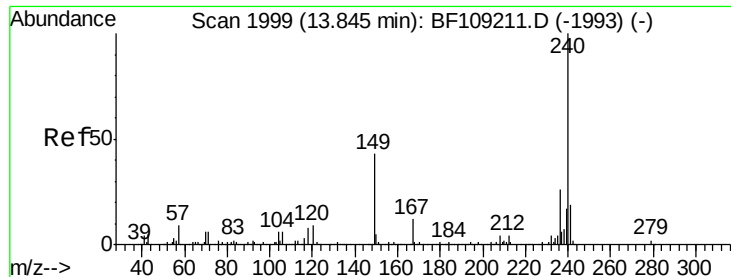
Abundance

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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

Instrument :

BNA_F

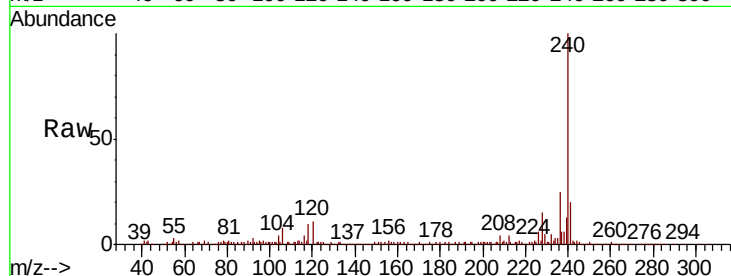
ClientSampleId :

TR-04-092818

Tot Ion:	240	Resp:	261326
Ion Ratio	Lower	Upper	
240	100		
120	11.2	9.5	14.3
236	24.9	20.7	31.1

Manual Integrations
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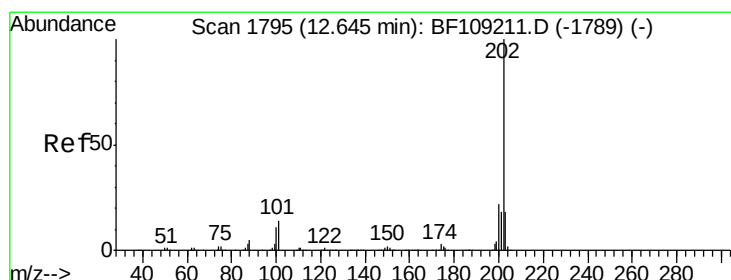
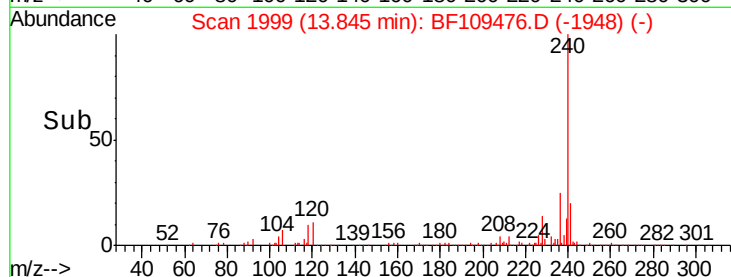
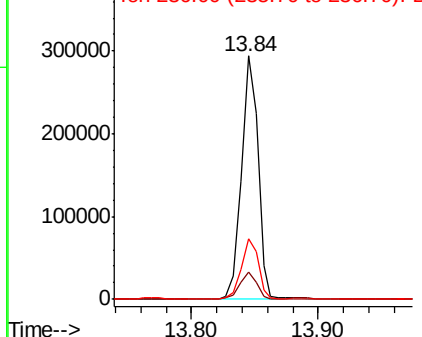
Sohil
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 14.278 ng

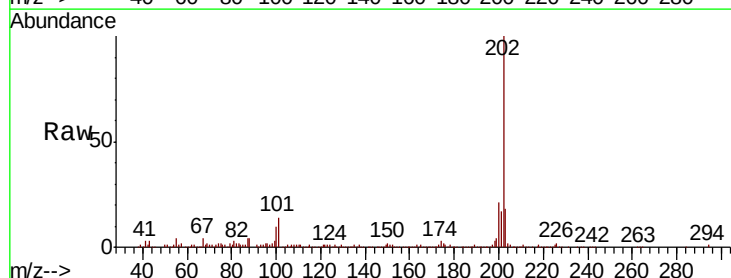
RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

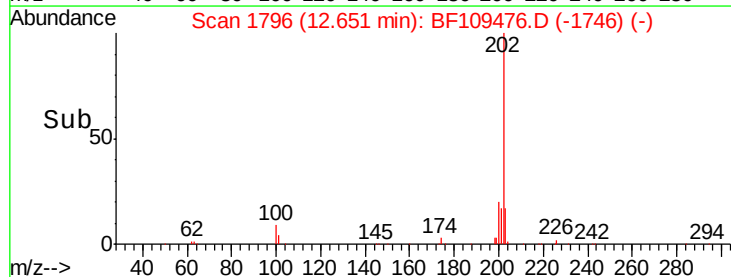
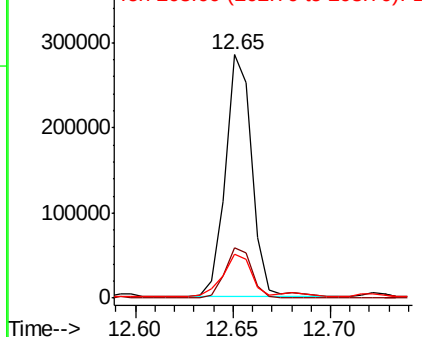
Tgt Ion:	202	Resp:	267406
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	18.2	14.3	21.5

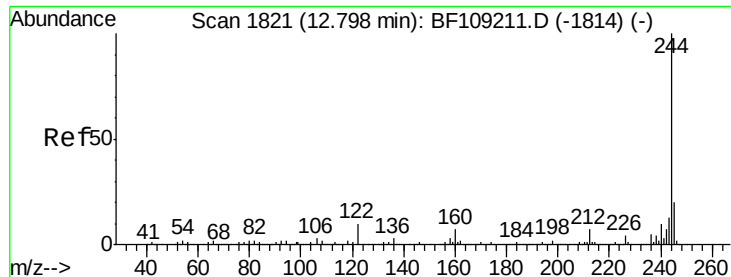


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 59.663 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

Instrument :

BNA_F

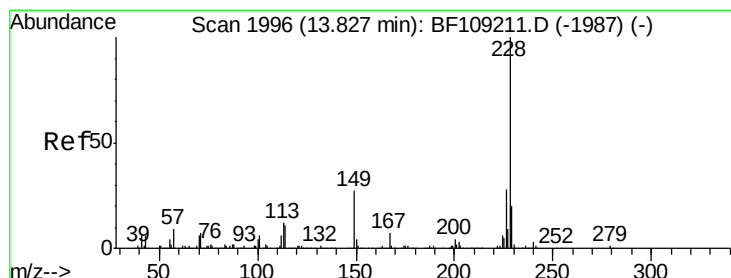
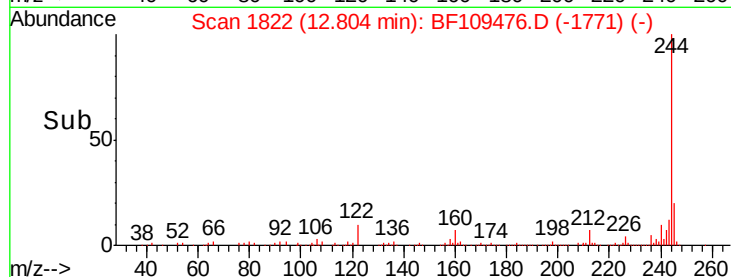
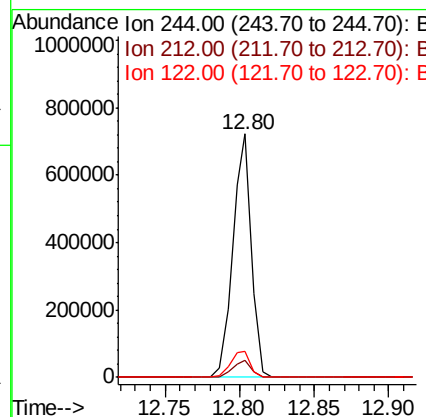
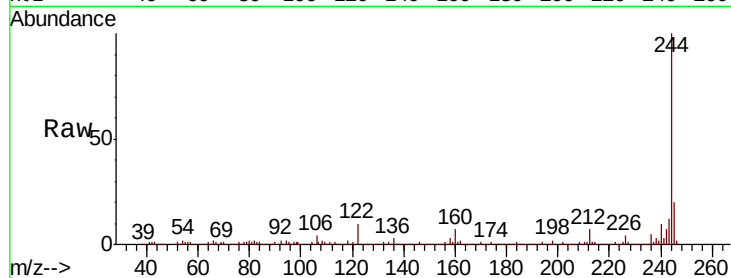
ClientSampleId :

TR-04-092818

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.5	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 8.273 ng

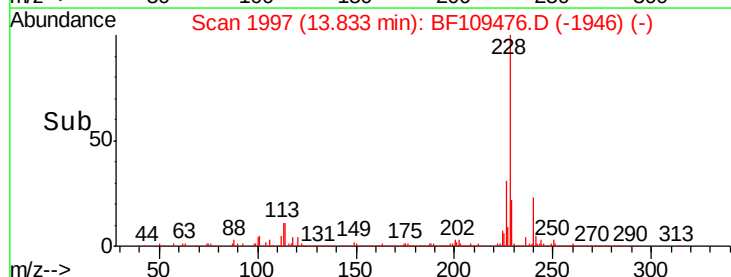
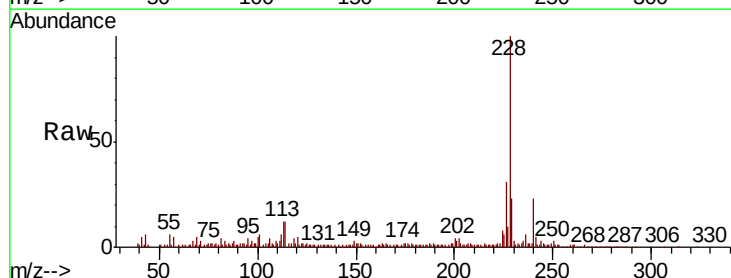
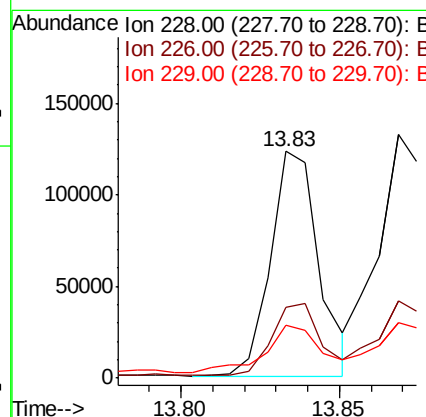
RT: 13.83 min Scan# 1997

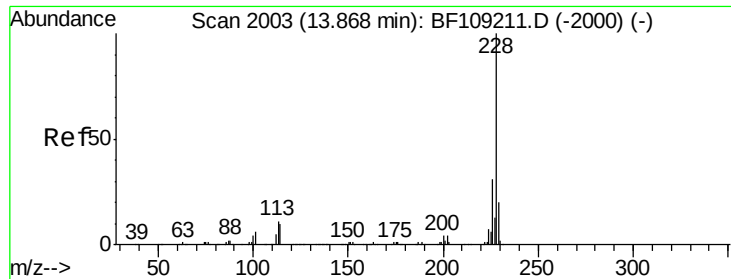
Delta R.T. 0.00 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	33.8
229	23.2	15.8	23.6





#82

Chrysene

Concen: 8.963 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

Instrument :

BNA_F

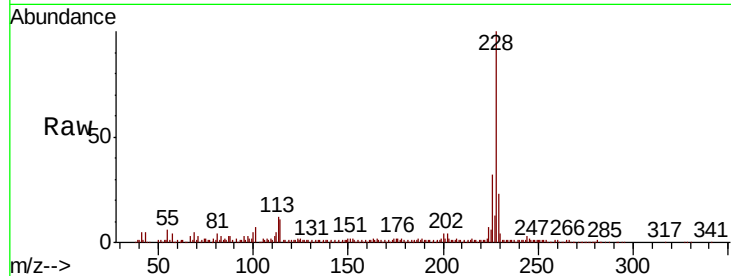
ClientSampleId :

TR-04-092818

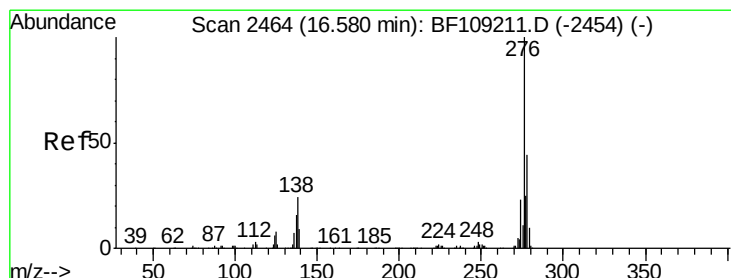
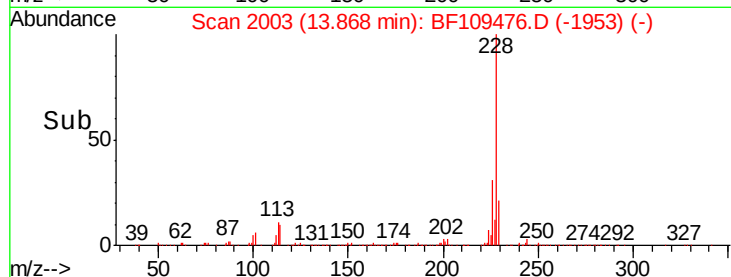
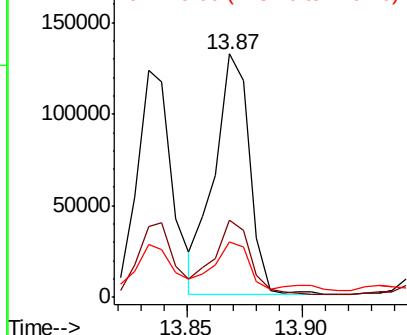
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	22.7	16.2	24.4

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.303 ng

RT: 16.60 min Scan# 2468

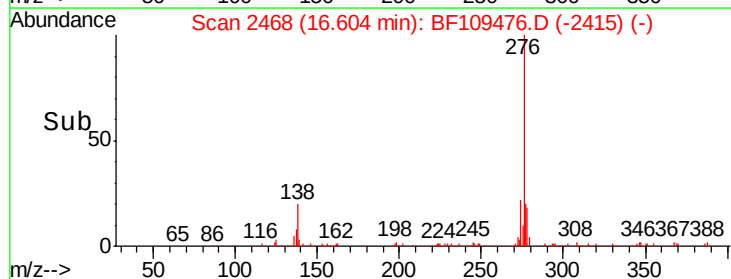
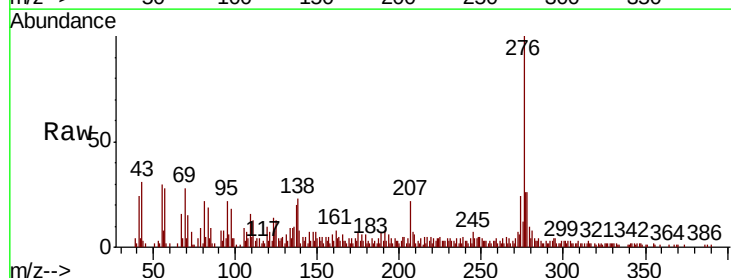
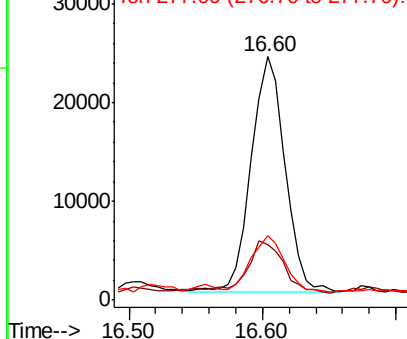
Delta R.T. 0.01 min

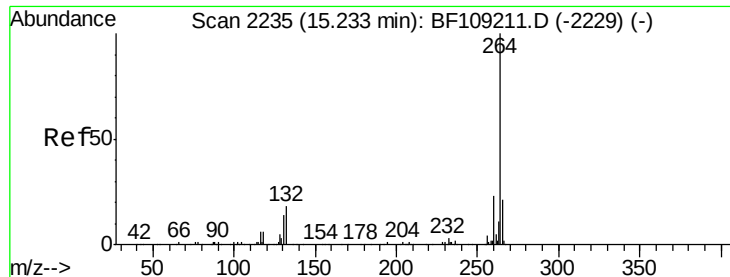
Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.8	25.0	37.6
277	23.9	20.1	30.1

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





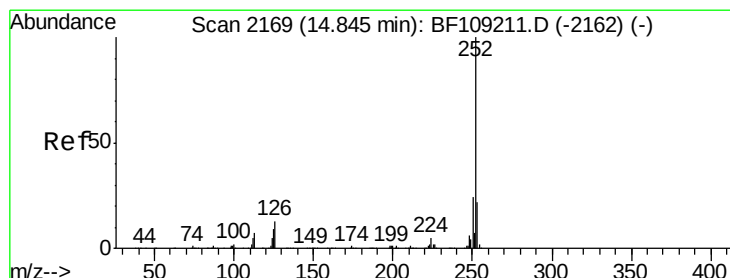
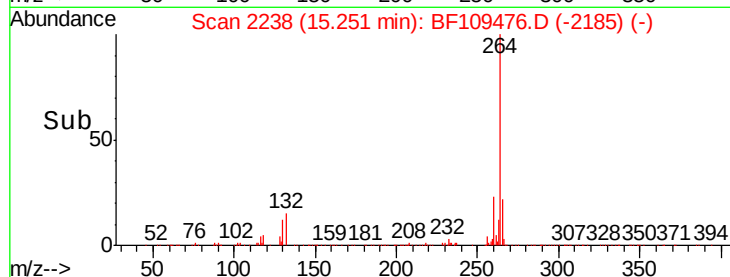
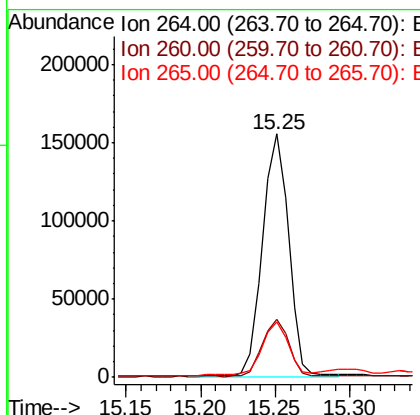
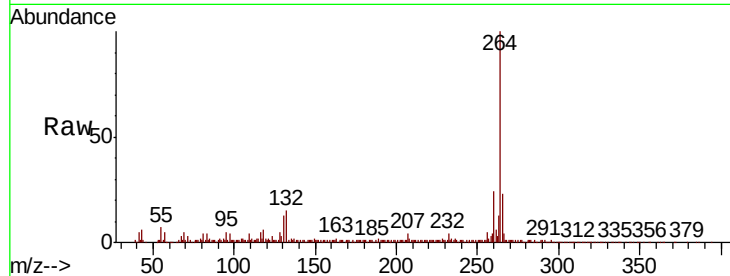
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Instrument :
BNA_F
ClientSampleId :
TR-04-092818

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.9	17.5	26.3

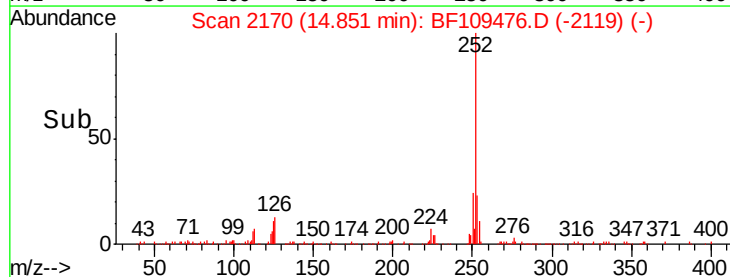
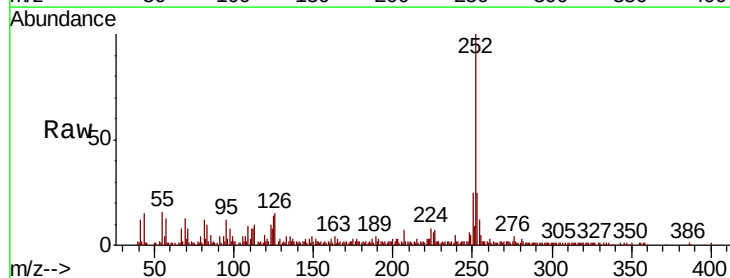
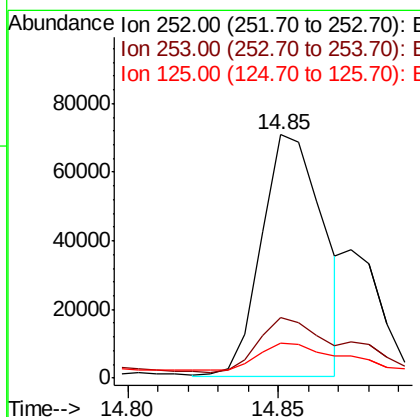
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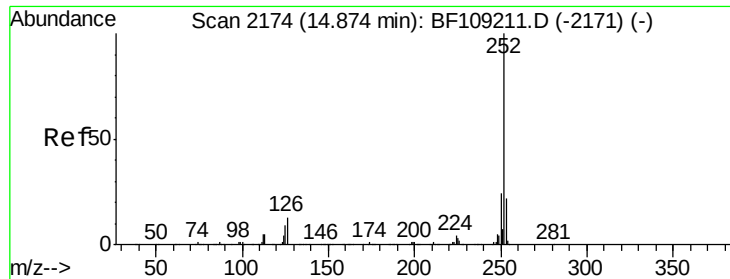
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#87
Benzo(b)fluoranthene
Concen: 9.765 ng m
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.6
125	14.4	9.0	13.6#





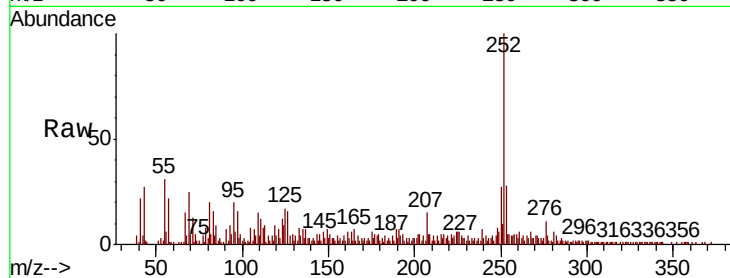
#88
Benzo(k)fluoranthene
Concen: 3.612 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Instrument :
BNA_F
ClientSampleId :
TR-04-092818

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.9	26.9#
125	16.9	10.2	15.2#

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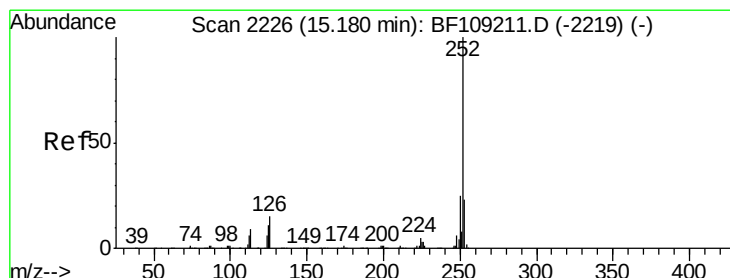
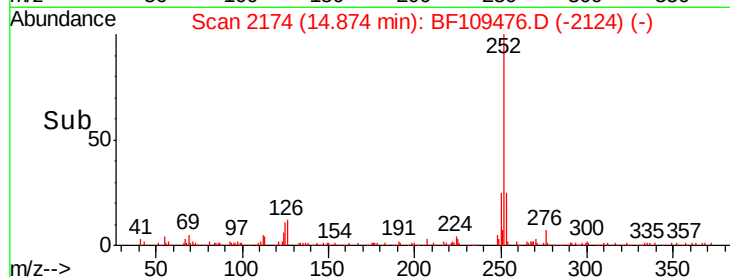
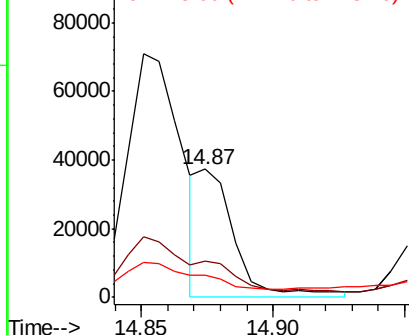


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 9.124 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

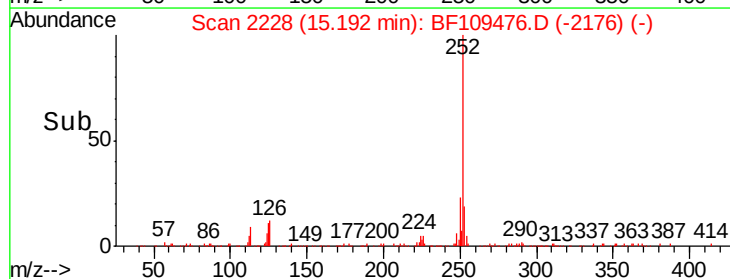
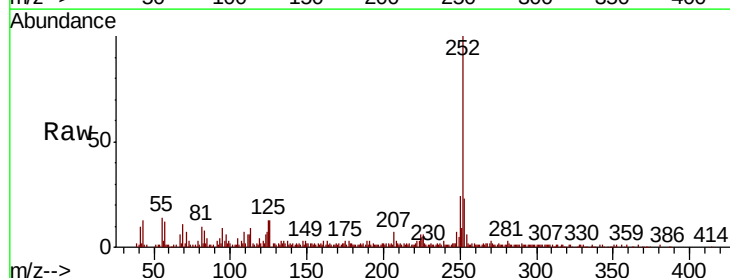
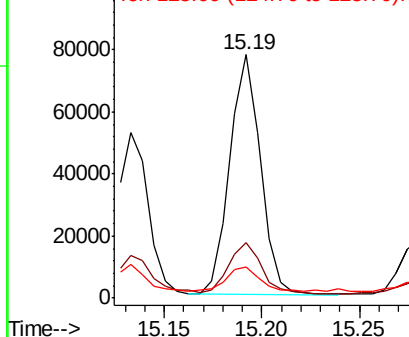
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	12.9	9.8	14.6

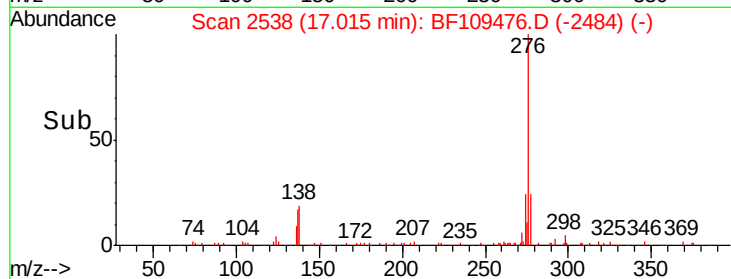
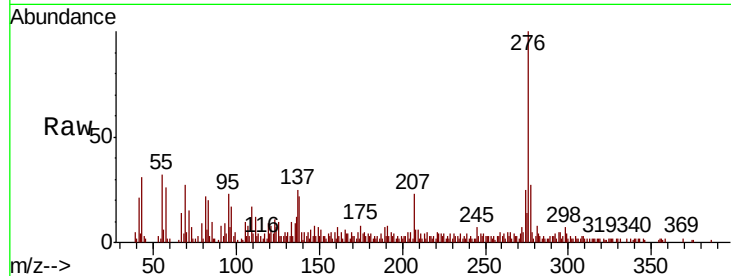
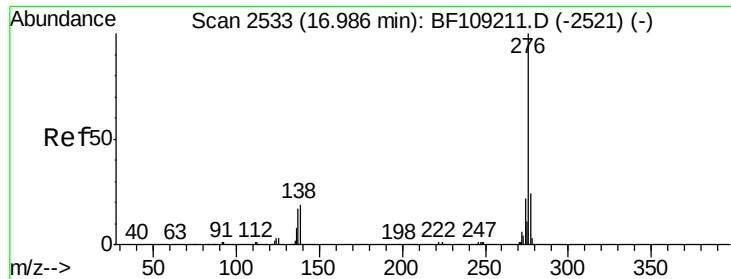
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
Benzo(a,h,i)perylene
Concen: 6.575 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.02 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Instrument :
BNA_F
ClientSampleId :
TR-04-092818

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.3	17.9	26.9#
138	22.3	21.8	32.8

Manual Integrations
APPROVED

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