

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
 Data File : BF112742.D
 Acq On : 28 Feb 2019 2:11
 Operator : JU/SJ
 Sample : K1596-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-13

Manual Integrations
 APPROVED

Sohil
 2/28/2019 12:47:33 PM

Quant Time: Feb 28 04:26:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	206472	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	725162	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	310775	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	634564	20.00	ng	0.00
76) Chrysene-d12	13.87	240	491716	20.00	ng	0.00
87) Perylene-d12	15.28	264	339557	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1183125	89.14	ng	0.00
7) Phenol-d6	6.37	99	1479148	88.71	ng	0.00
23) Nitrobenzene-d5	7.30	82	853238	70.41	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	342019	103.67	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1202278	62.97	ng	0.00
79) Terphenyl-d14	12.83	244	1270961	50.11	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.49	163	96281	4.202	ng	99
71) Phenanthrene	11.27	178	373367	11.826	ng	98
72) Anthracene	11.32	178	96705	2.926	ng	97
75) Fluoranthene	12.45	202	504874	14.926	ng	99
78) Pyrene	12.68	202	455816	10.996	ng	99
81) Benzo(a)anthracene	13.86	228	207764	6.096	ng	96
83) Chrysene	13.90	228	175957	5.271	ng	96
86) Indeno(1,2,3-cd)pyrene	16.63	276	65102	2.288	ng	# 92
88) Benzo(b)fluoranthene	14.88	252	161535m	7.355	ng	
89) Benzo(k)fluoranthene	14.90	252	58513m	2.941	ng	
90) Benzo(a)pyrene	15.22	252	109443	5.634	ng	# 93
92) Benzo(a,h,i)perylene	17.04	276	62436	3.751	ng	97

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

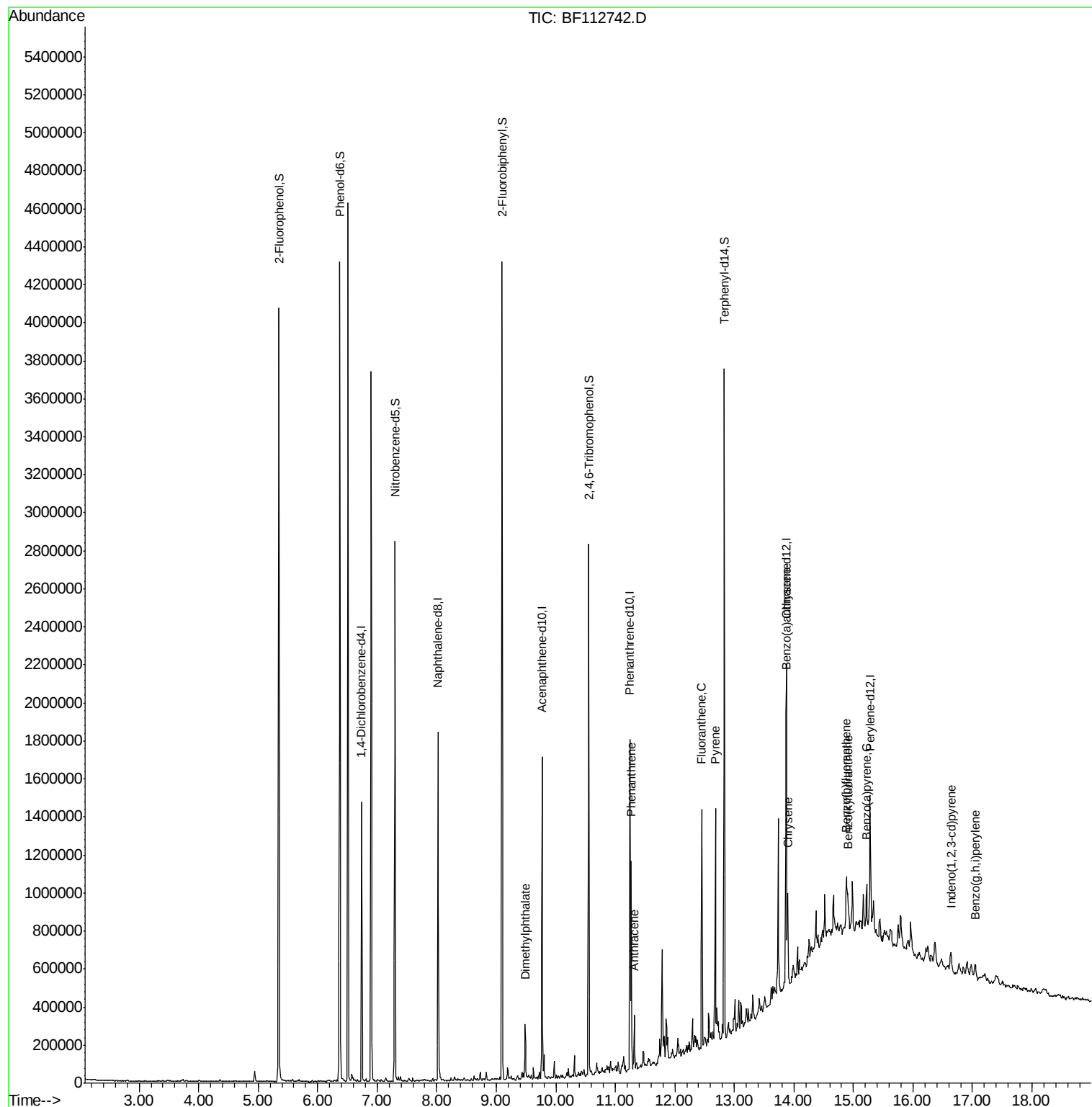
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
Data File : BF112742.D
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Sample : K1596-01
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ALS Vial : 25 Sample Multiplier: 1

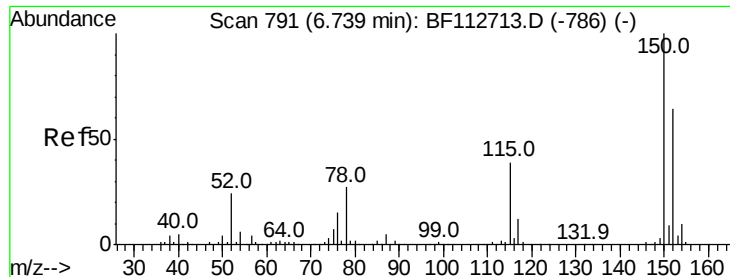
Instrument :
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COMP-13

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#1

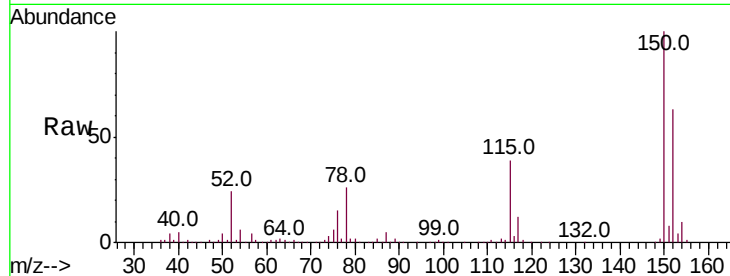
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF112742.D
Acq: 28 Feb 2019 2:11

Instrument :
BNA_F
ClientSampled :
COMP-13

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.2	186.2
115	61.5	48.2	72.4

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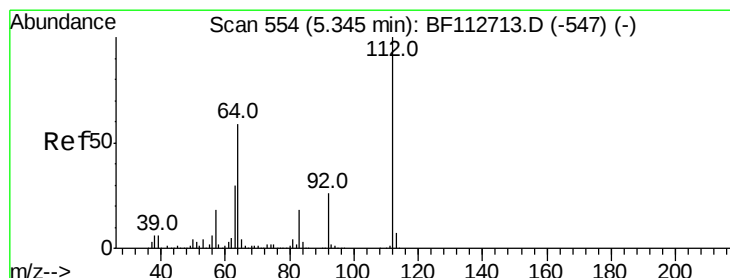
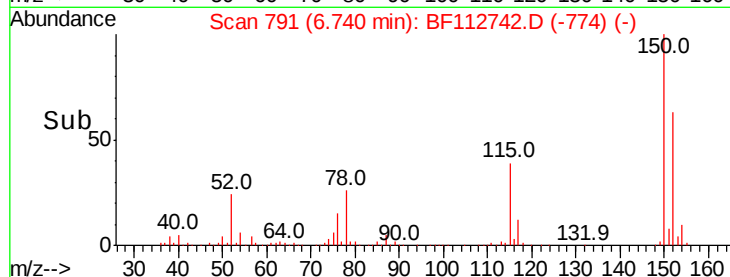
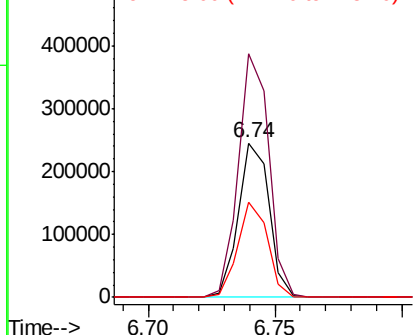


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

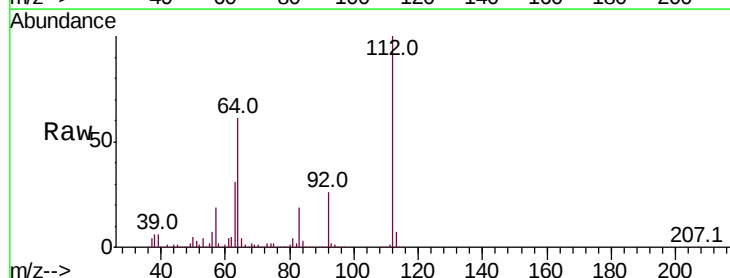
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.136 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112742.D
Acq: 28 Feb 2019 2:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.6	71.4
63	31.3	24.4	36.6

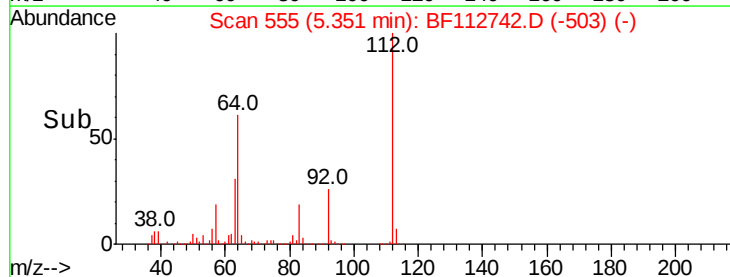
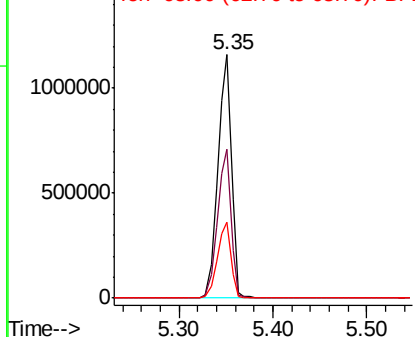


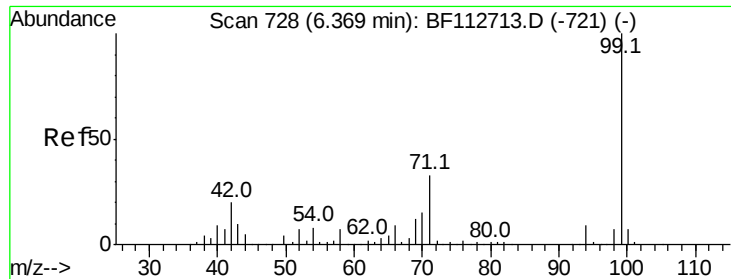
Abundance

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: 88.713 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112742.D

Acq: 28 Feb 2019 2:11

Instrument :

BNA_F

ClientSampleId :

COMP-13

Tot Ion: 99 Resp: 1479148

Ion Ratio Lower Upper

99 100

42 19.9 16.3 24.5

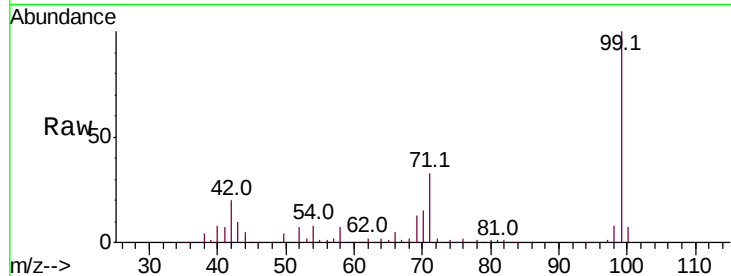
71 33.4 26.2 39.4

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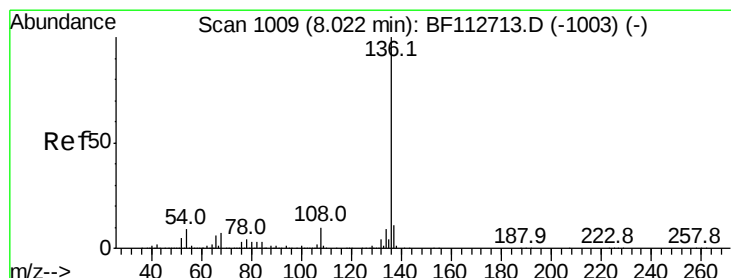
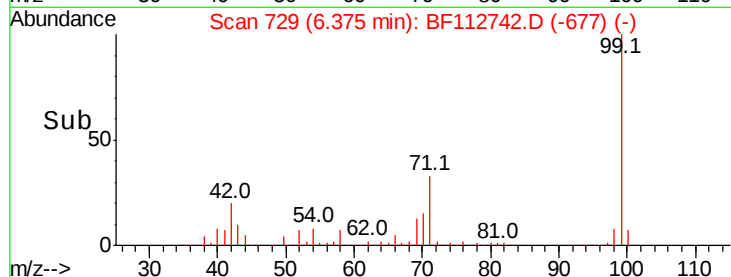
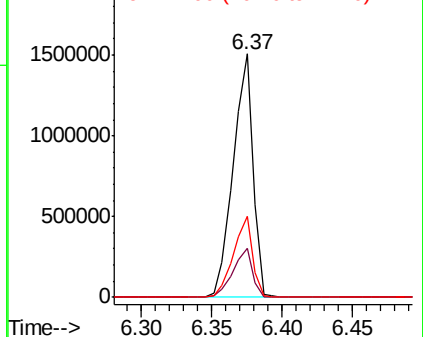
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF112742.D

Acq: 28 Feb 2019 2:11

Tgt Ion: 136 Resp: 725162

Ion Ratio Lower Upper

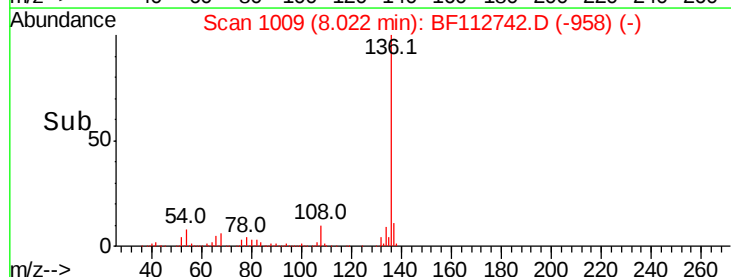
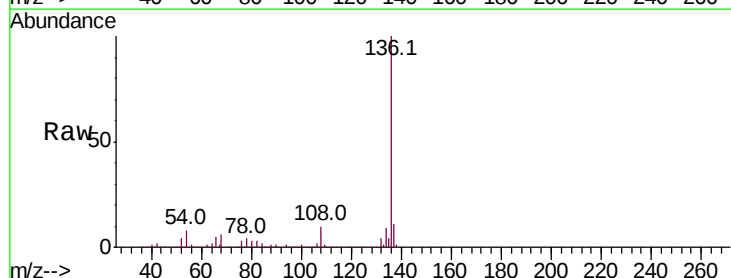
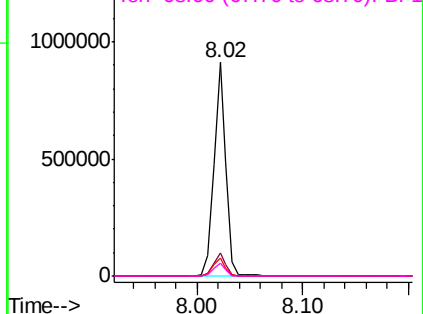
136 100

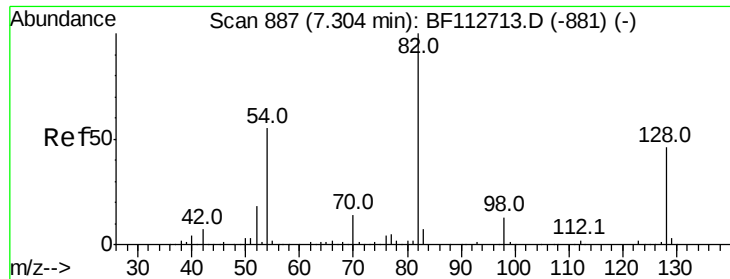
137 11.0 8.9 13.3

54 8.4 7.3 10.9

68 6.3 5.4 8.2

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





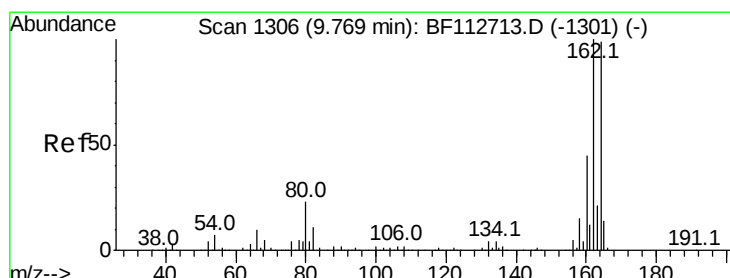
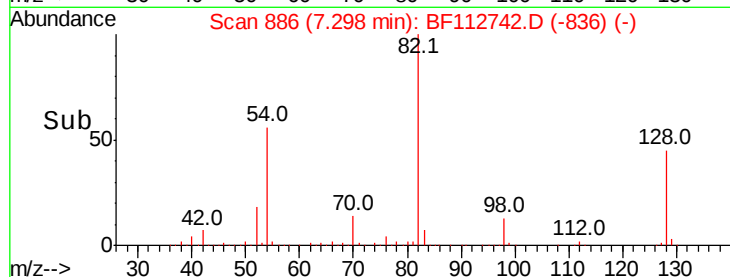
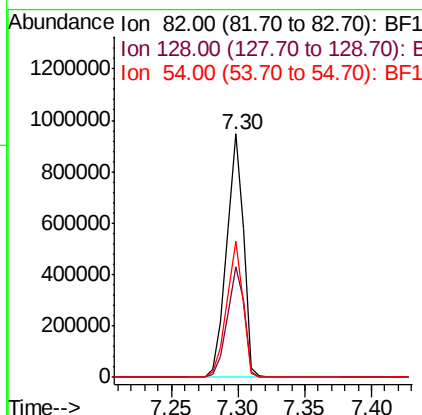
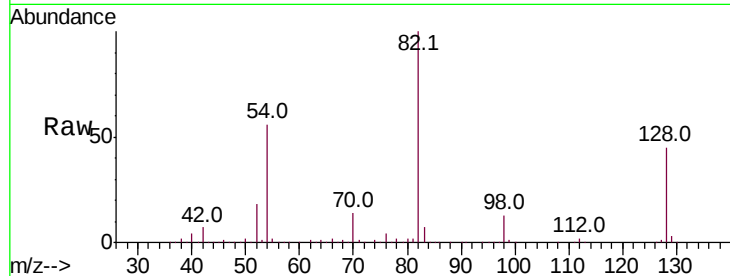
#23
Nitrobenzene-d5
Concen: 70.406 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112742.D
Acq: 28 Feb 2019 2:11

Instrument :
BNA_F
ClientSampleId :
COMP-13

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.3	54.5
54	55.8	43.7	65.5

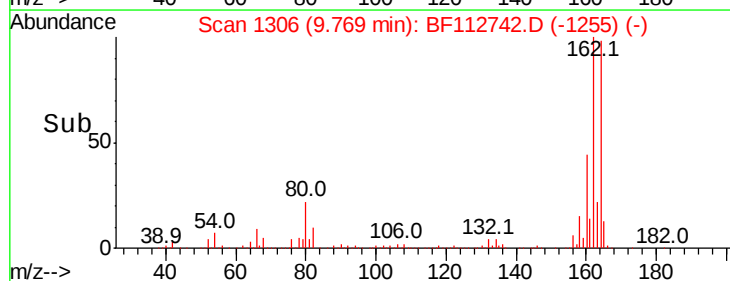
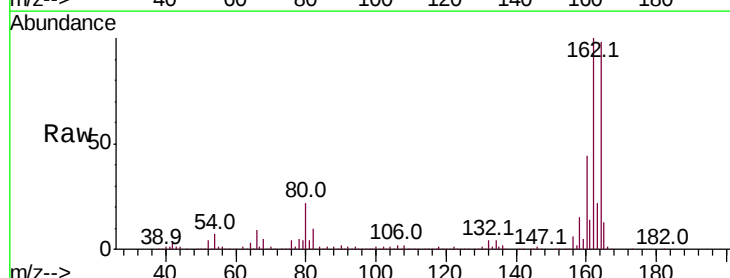
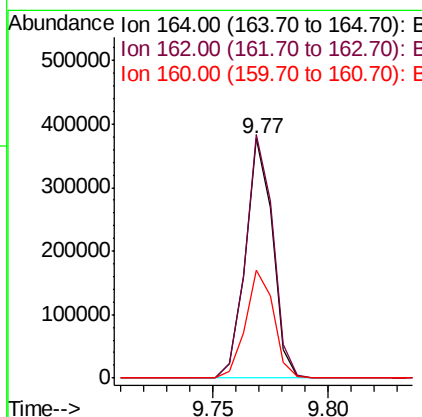
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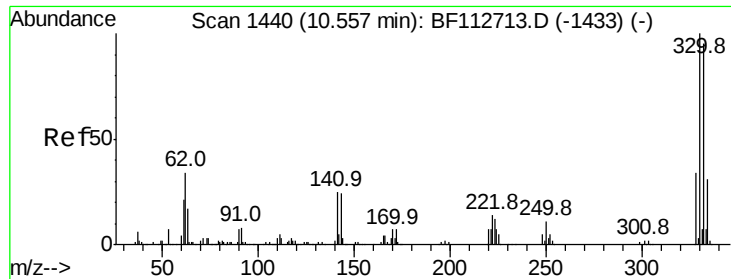
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF112742.D
Acq: 28 Feb 2019 2:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.6	120.8
160	45.1	36.0	54.0





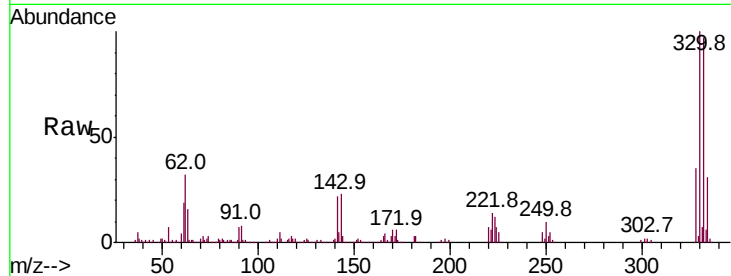
#42
 2,4,6-Tribromophenol
 Concen: 103.665 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112742.D
 Acq: 28 Feb 2019 2:11

Instrument :
 BNA_F
 ClientSampleId :
 COMP-13

Tot Ion	Ratio	Resp	Lower	Upper
330	100	342019		
332	96.1	76.2	114.4	
141	31.8	27.0	40.6	

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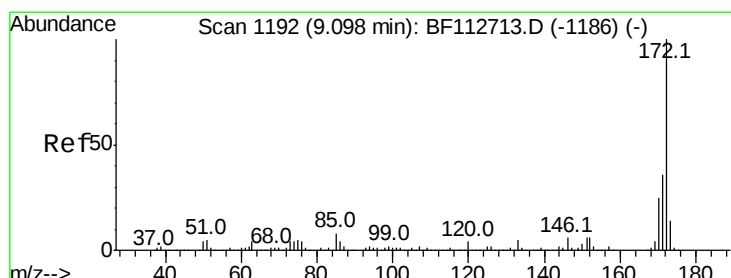
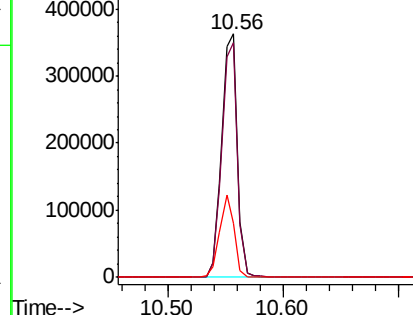
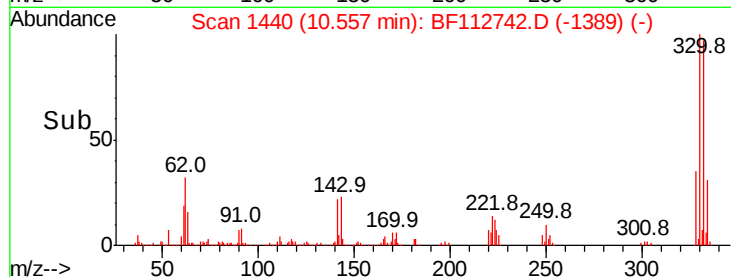


Abundance

Ion 329.80 (329.50 to 330.50): E

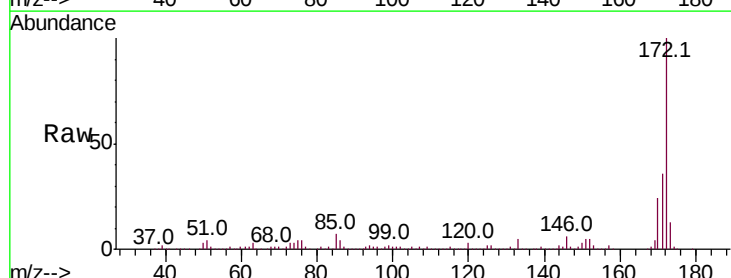
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 62.974 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112742.D
 Acq: 28 Feb 2019 2:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1202278		
171	35.8	29.0	43.4	
170	24.0	20.0	30.0	

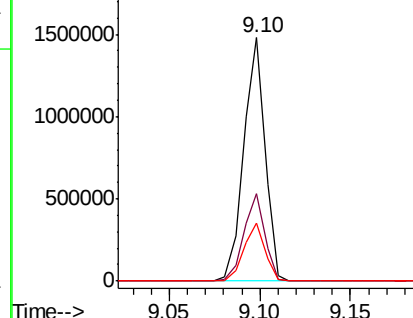
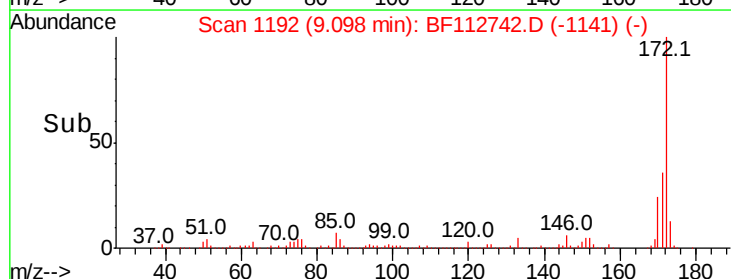


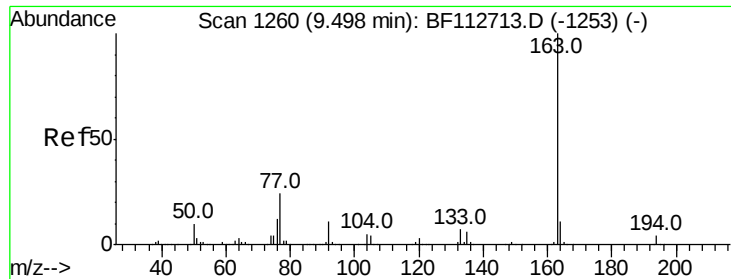
Abundance

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





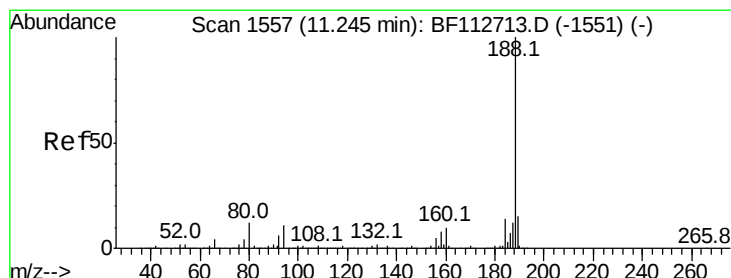
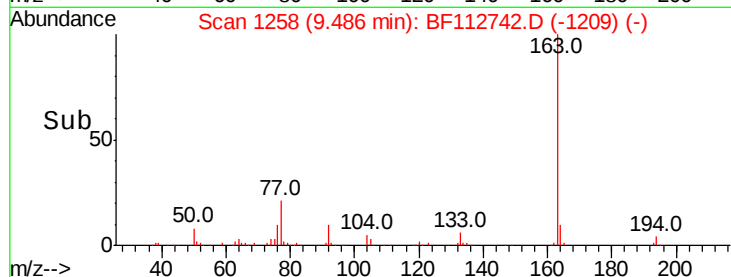
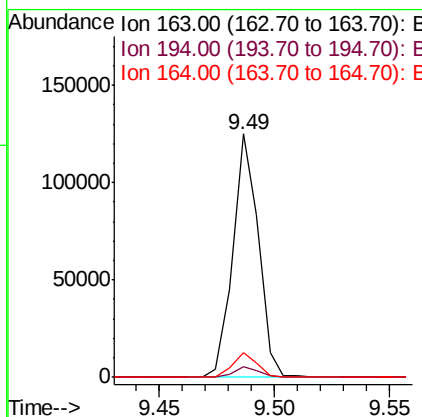
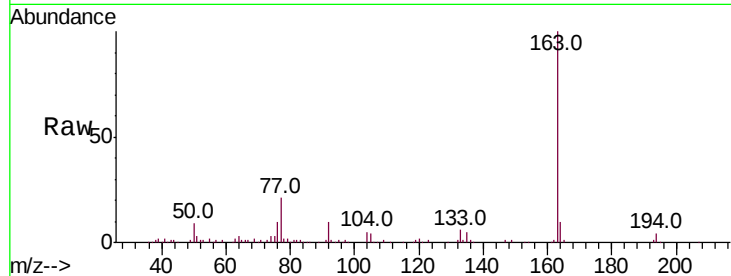
#50
Dimethylphthalate
Concen: 4.202 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112742.D
Acq: 28 Feb 2019 2:11

Instrument :
BNA_F
ClientSampleId :
COMP-13

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.4	3.0	4.4
164	10.1	8.4	12.6

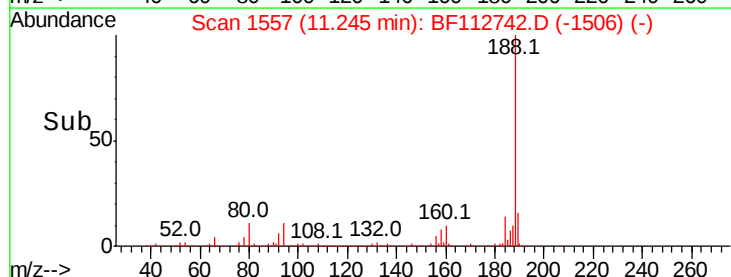
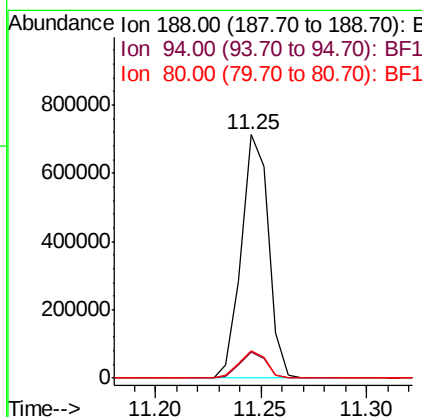
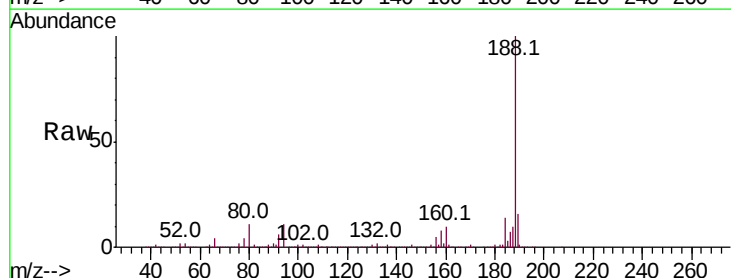
Manual Integrations
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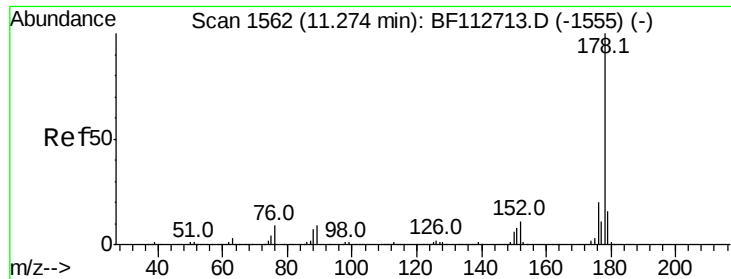
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF112742.D
Acq: 28 Feb 2019 2:11

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	10.8	9.0	13.4
80	11.4	9.2	13.8





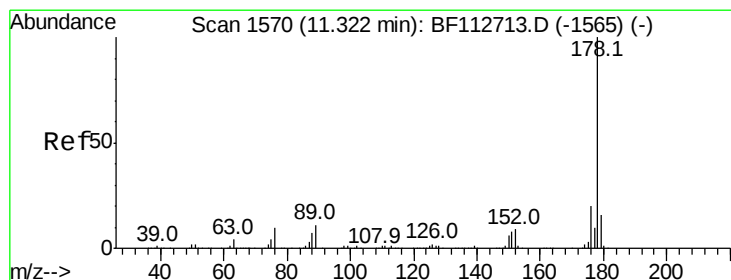
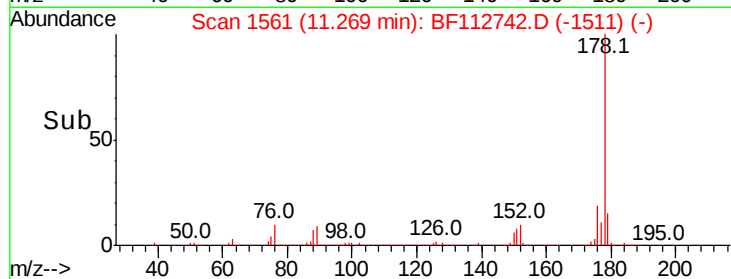
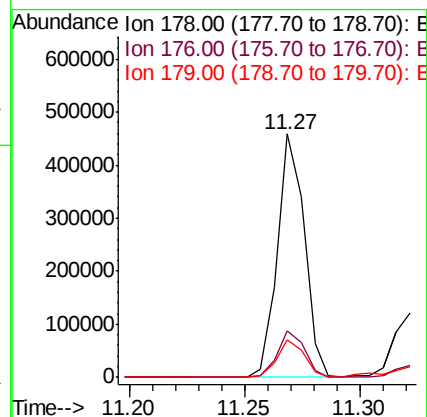
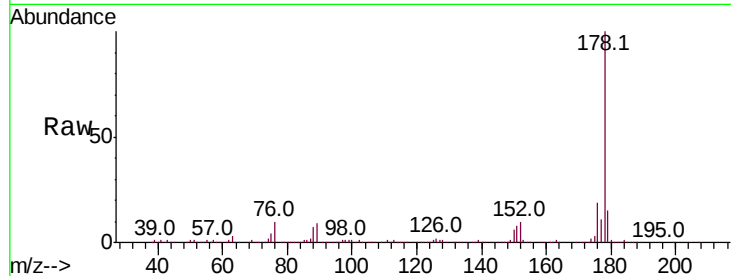
#71
Phenanthrene
Concen: 11.826 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112742.D
Acq: 28 Feb 2019 2:11

Instrument :
BNA_F
ClientSampleId :
COMP-13

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.3	24.5
179	15.4	12.7	19.1

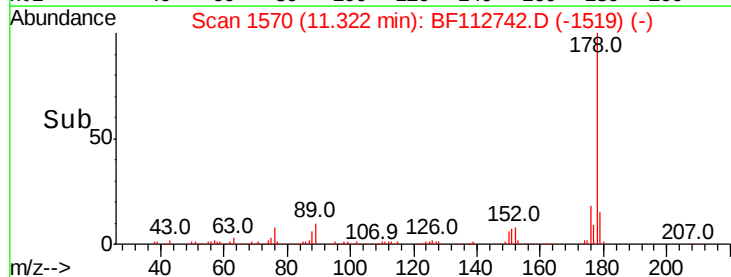
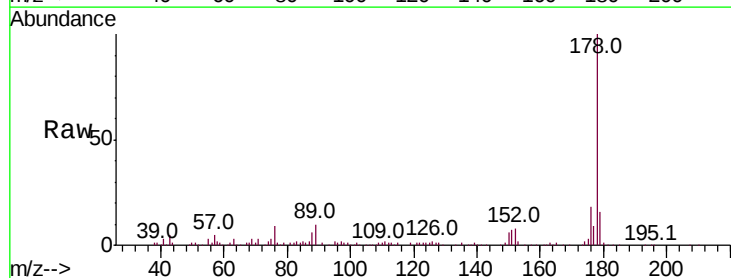
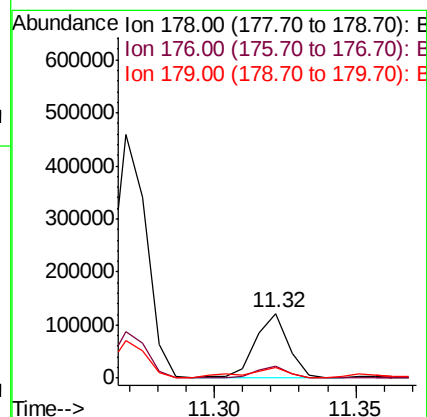
Manual Integrations
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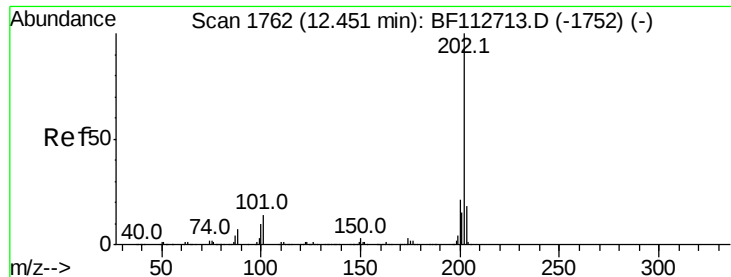
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#72
Anthracene
Concen: 2.926 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF112742.D
Acq: 28 Feb 2019 2:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.6
179	15.6	13.0	19.6





#75

Fluoranthene

Concen: 14.926 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF112742.D

Acq: 28 Feb 2019 2:11

Instrument :

BNA_F

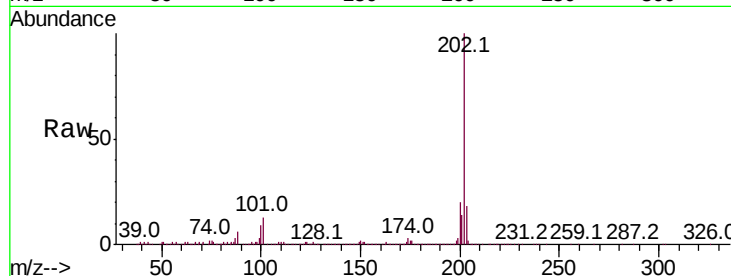
ClientSampleId :

COMP-13

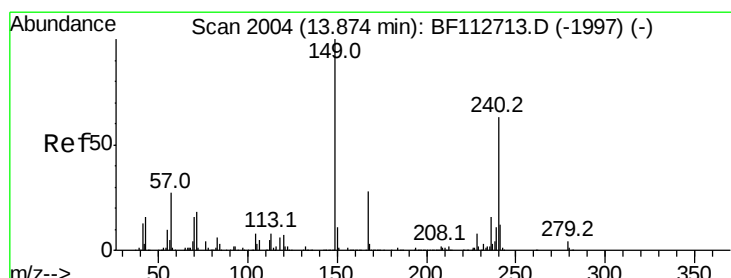
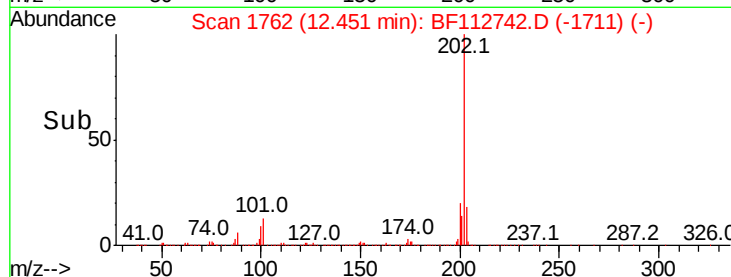
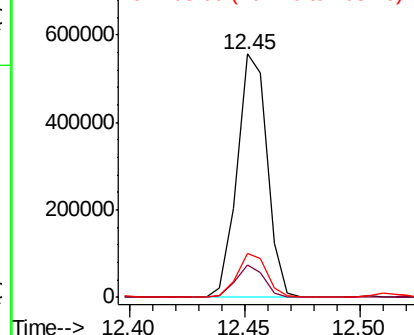
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.5	0.0	33.8
203	18.1	0.0	38.4

Manual Integrations
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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: 13.87 min Scan# 2004

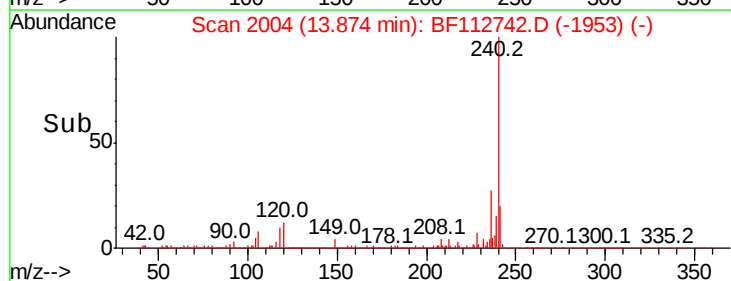
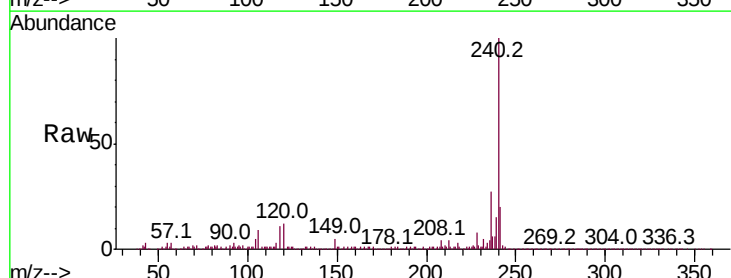
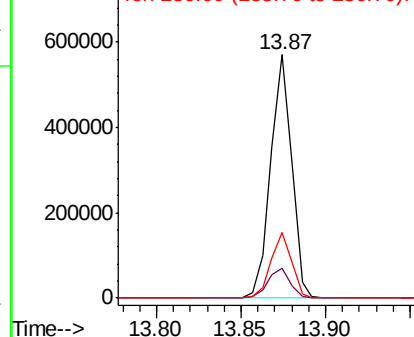
Delta R.T. 0.00 min

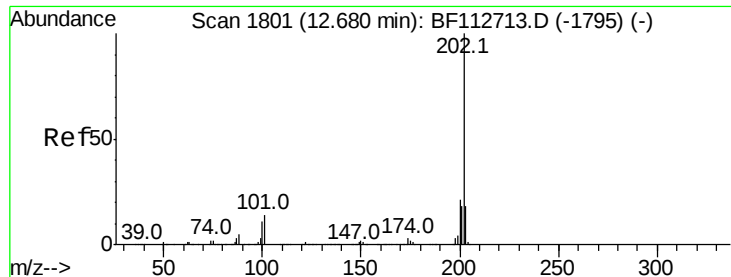
Lab File: BF112742.D

Acq: 28 Feb 2019 2:11

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.4	8.9	13.3
236	26.8	20.7	31.1

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: 10.996 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF112742.D

Acq: 28 Feb 2019 2:11

Instrument :

BNA_F

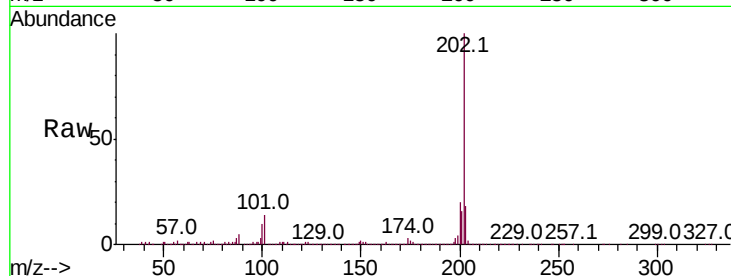
ClientSampleId :

COMP-13

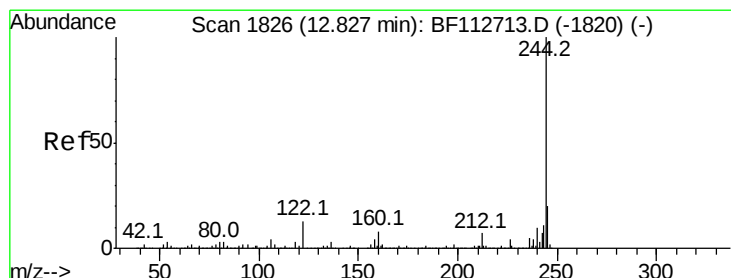
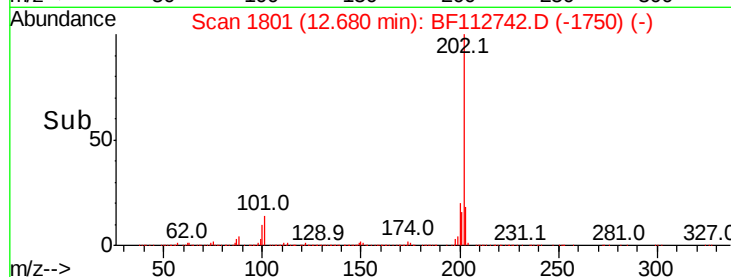
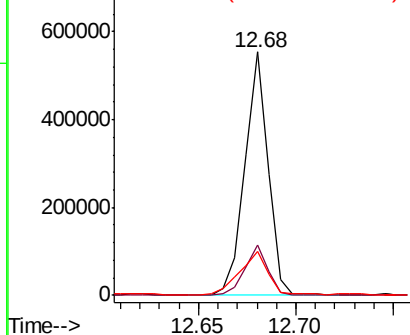
Tot Ion:	202	Resp:	455816
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.0	25.4
203	18.2	14.4	21.6

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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



#79

Terphenyl-d14

Concen: 50.105 ng

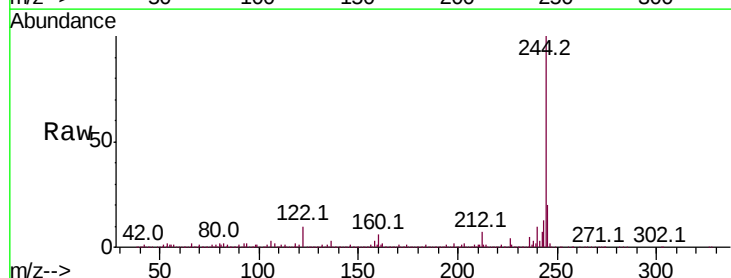
RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

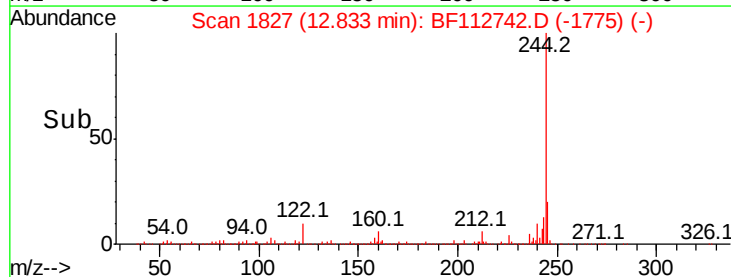
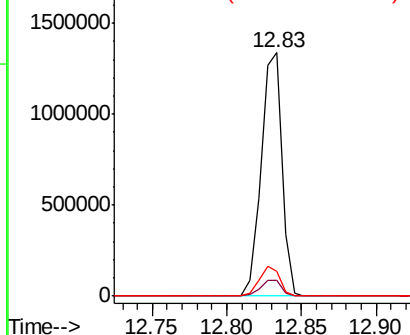
Lab File: BF112742.D

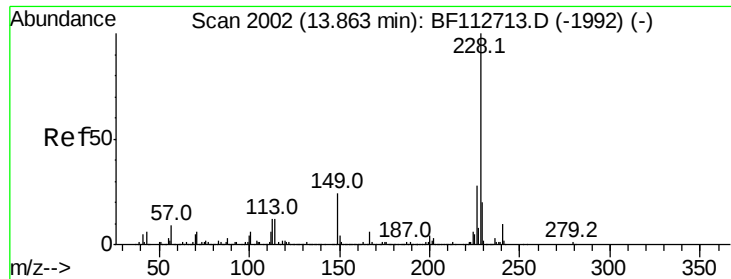
Acq: 28 Feb 2019 2:11

Tgt Ion:	244	Resp:	1270961
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.6	8.4
122	10.3	10.5	15.7#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





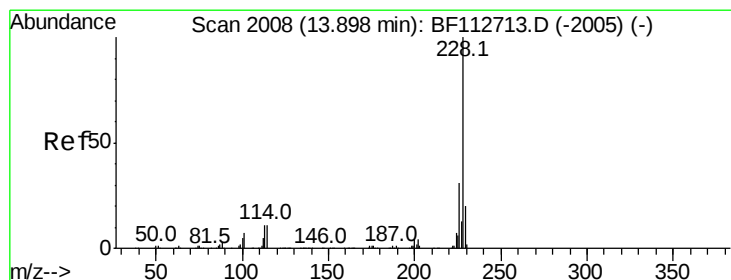
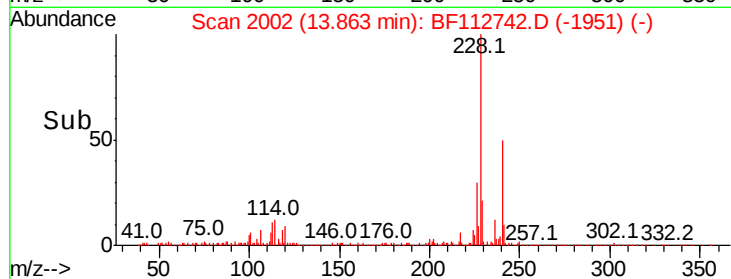
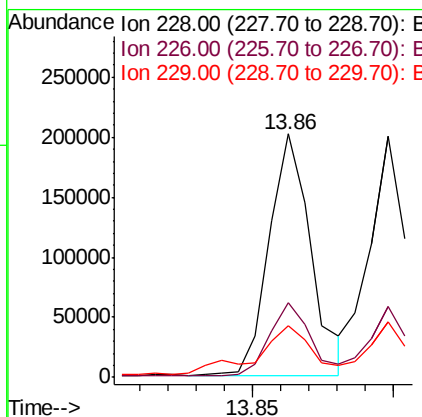
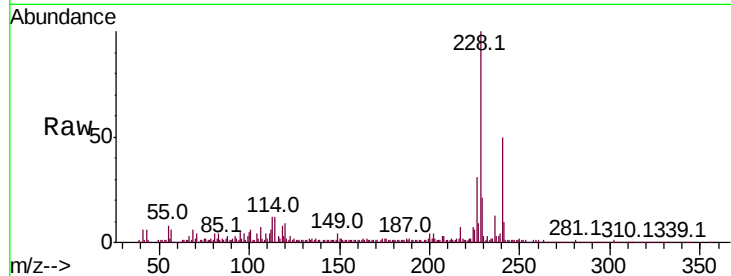
#81
Benzo(a)anthracene
Concen: 6.096 ng
RT: 13.86 min Scan# 2002
Delta R.T. 0.00 min
Lab File: BF112742.D
Acq: 28 Feb 2019 2:11

Instrument :
BNA_F
ClientSampled :
COMP-13

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.2	33.4
229	21.4	16.0	24.0

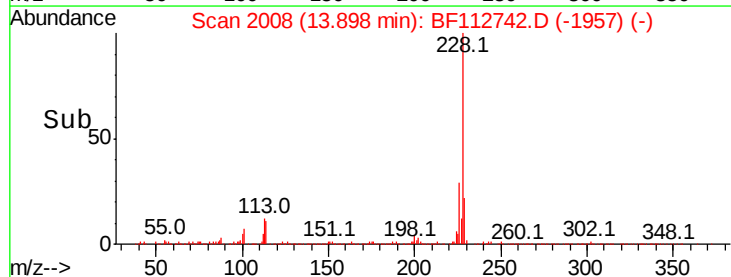
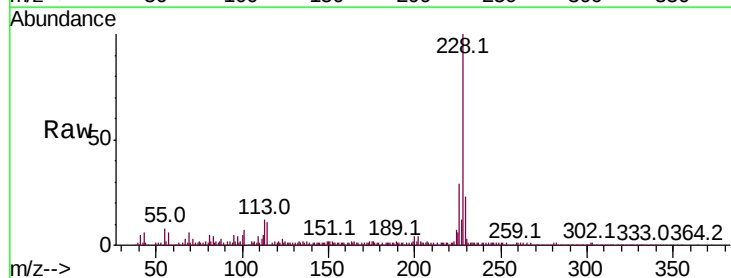
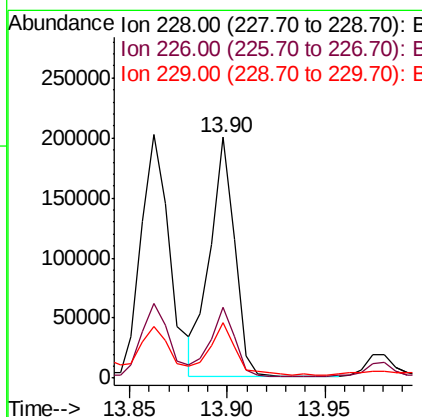
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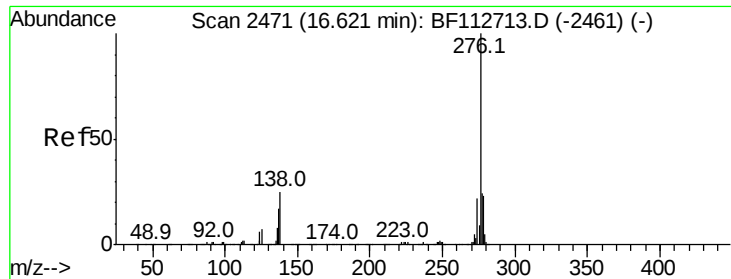
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#83
Chrysene
Concen: 5.271 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF112742.D
Acq: 28 Feb 2019 2:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.9	37.3
229	22.8	16.3	24.5





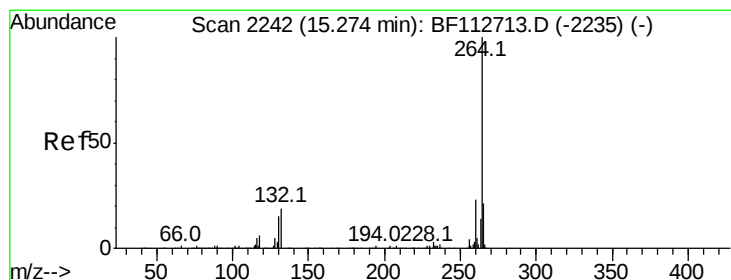
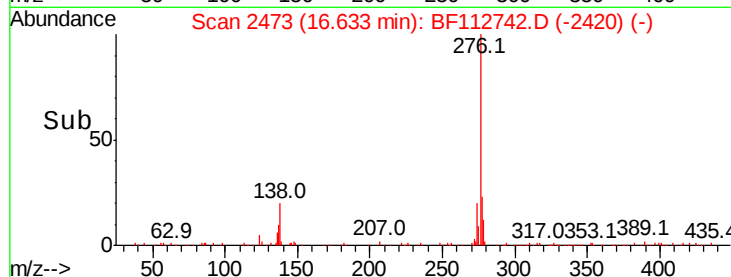
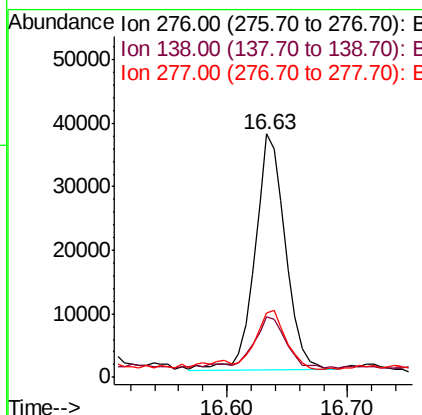
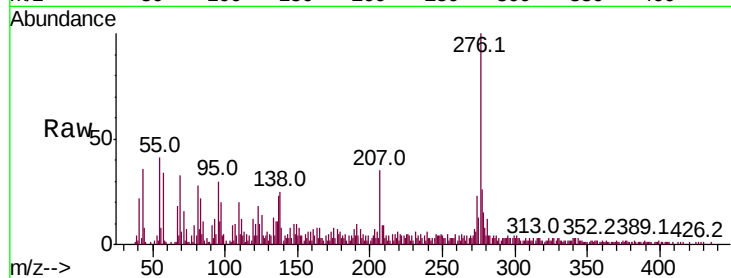
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.288 ng
RT: 16.63 min Scan# 2473
Delta R.T. 0.01 min
Lab File: BF112742.D
Acq: 28 Feb 2019 2:11

Instrument :
BNA_F
ClientSampled :
COMP-13

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	23.2	34.8#
277	24.2	19.9	29.9

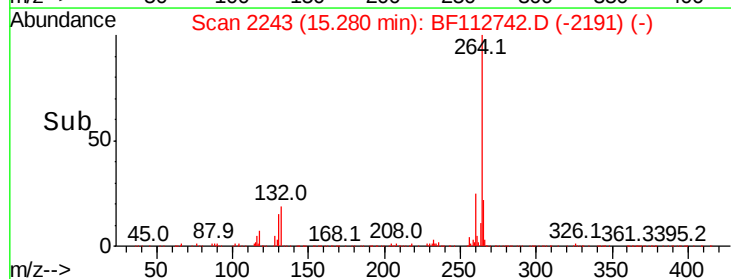
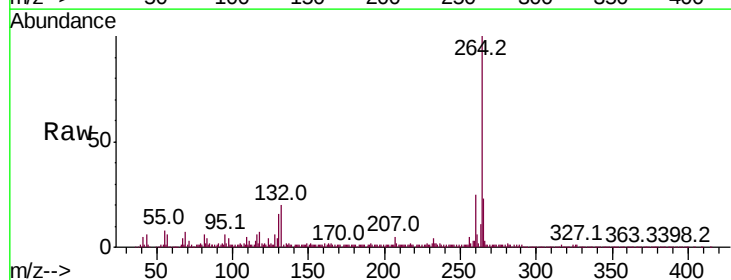
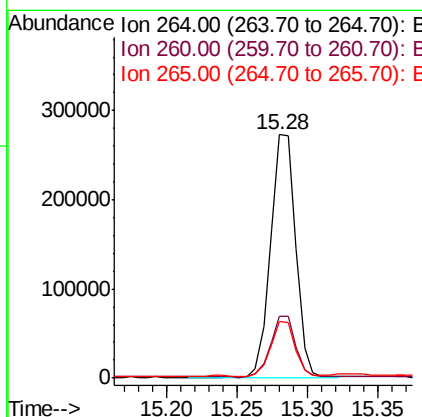
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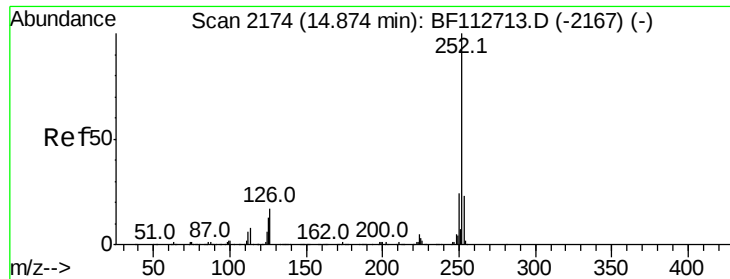
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF112742.D
Acq: 28 Feb 2019 2:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	18.7	28.1
265	23.2	17.2	25.8





#88

Benzo(b)fluoranthene

Concen: 7.355 ng m

RT: 14.88 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BF112742.D

Acq: 28 Feb 2019 2:11

Instrument :

BNA_F

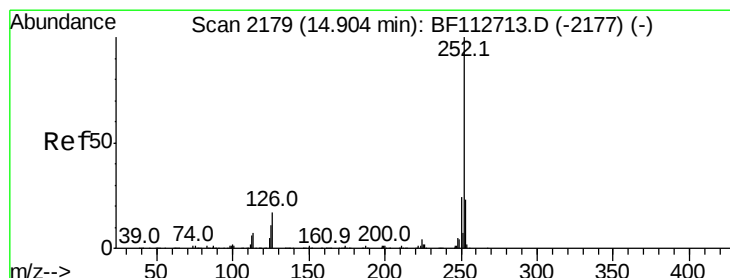
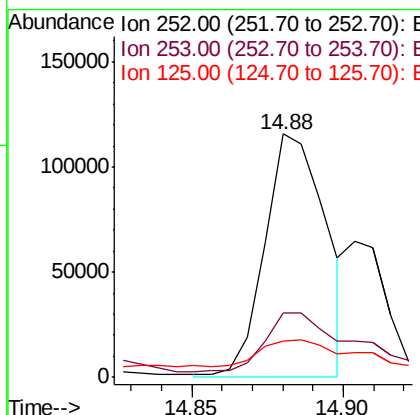
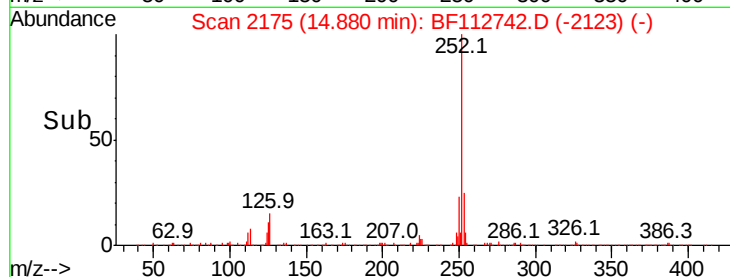
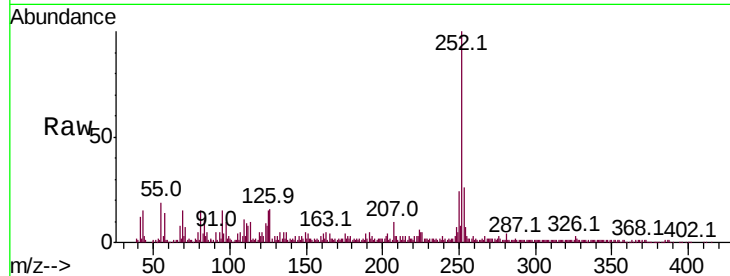
ClientSampleId :

COMP-13

Tot Ion:	252	Resp:	161535
Ion Ratio	Lower	Upper	
252	100		
253	26.4	18.0	27.0
125	15.0	10.2	15.2

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#89

Benzo(k)fluoranthene

Concen: 2.941 ng m

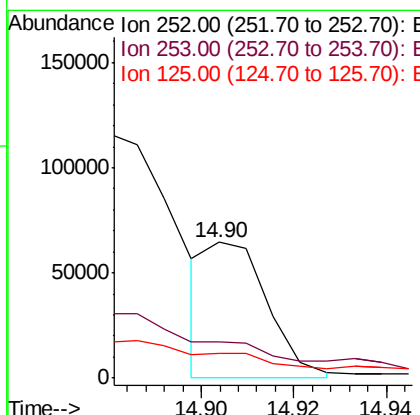
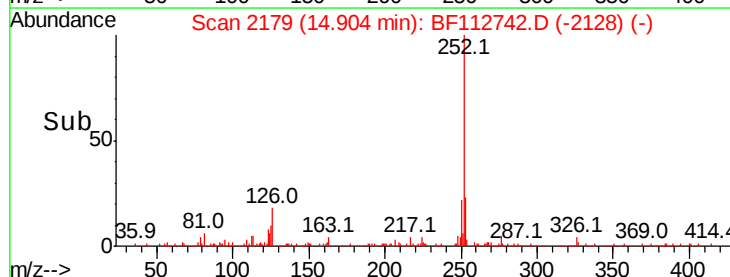
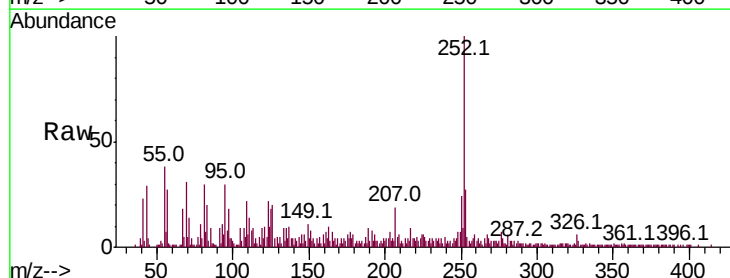
RT: 14.90 min Scan# 2179

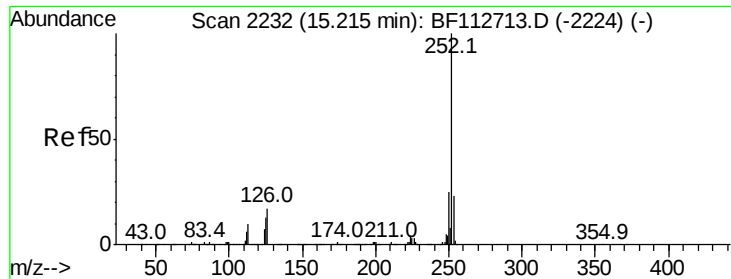
Delta R.T. 0.00 min

Lab File: BF112742.D

Acq: 28 Feb 2019 2:11

Tgt Ion:	252	Resp:	58513
Ion Ratio	Lower	Upper	
252	100		
253	26.7	18.2	27.2
125	18.4	9.8	14.6#





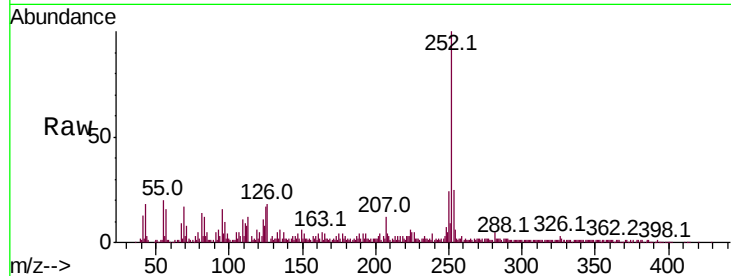
#90
Benzo(a)pyrene
Concen: 5.634 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112742.D
Acq: 28 Feb 2019 2:11

Instrument :
BNA_F
ClientSampled :
COMP-13

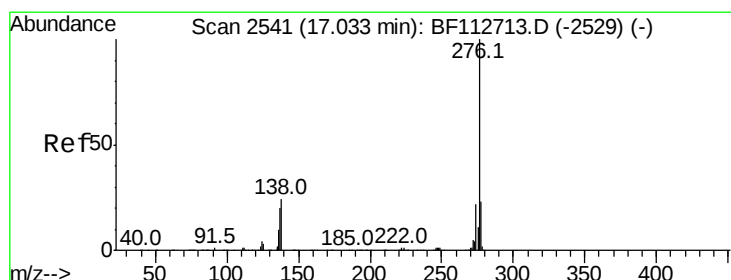
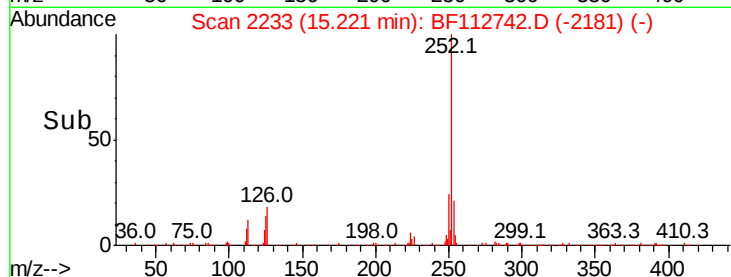
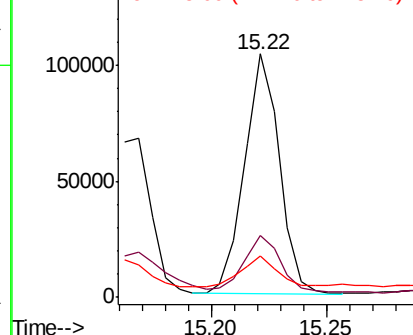
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.0	27.0
125	17.2	10.7	16.1

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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



#92
Benzo(g,h,i)perylene
Concen: 3.751 ng
RT: 17.04 min Scan# 2543
Delta R.T. 0.01 min
Lab File: BF112742.D
Acq: 28 Feb 2019 2:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.6	27.8
138	24.1	19.4	29.0

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

