

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071719\
 Data File : BF115634.D
 Acq On : 17 Jul 2019 20:45
 Operator : HP/JU
 Sample : K3852-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3_071619

Manual Integrations
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Quant Time: Jul 18 05:59:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	202172	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	658111	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	288092	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	467264	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	321943	20.00	ng	-0.02
87) Perylene-d12	15.50	264	298310	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	810737	65.59	ng	0.00
7) Phenol-d6	6.51	99	1054352	67.23	ng	0.00
23) Nitrobenzene-d5	7.44	82	645483	57.03	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	195326	58.09	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	962979	58.51	ng	-0.02
79) Terphenyl-d14	12.97	244	750353	43.01	ng	-0.02
Target Compounds						Qvalue
50) Dimethylphthalate	9.62	163	201918	9.316	ng	98
58) Fluorene	10.46	166	40754	2.238	ng	95
71) Phenanthrene	11.42	178	427805	17.861	ng	96
72) Anthracene	11.47	178	93453	3.775	ng	99
73) Carbazole	11.62	167	43735	2.015	ng	98
75) Fluoranthene	12.61	202	413594	16.341	ng	98
78) Pyrene	12.83	202	350992	12.868	ng	97
81) Benzo(a)anthracene	14.02	228	192668	9.084	ng	99
83) Chrysene	14.06	228	178927	8.404	ng	96
86) Indeno(1,2,3-cd)pyrene	16.96	276	51791	2.863	ng	96
88) Benzo(b)fluoranthene	15.07	252	175090m	9.115	ng	
89) Benzo(k)fluoranthene	15.09	252	55456m	3.238	ng	
90) Benzo(a)pyrene	15.43	252	112626	6.822	ng	96
92) Benzo(a,h,i)perylene	17.40	276	41844	2.895	ng	95

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

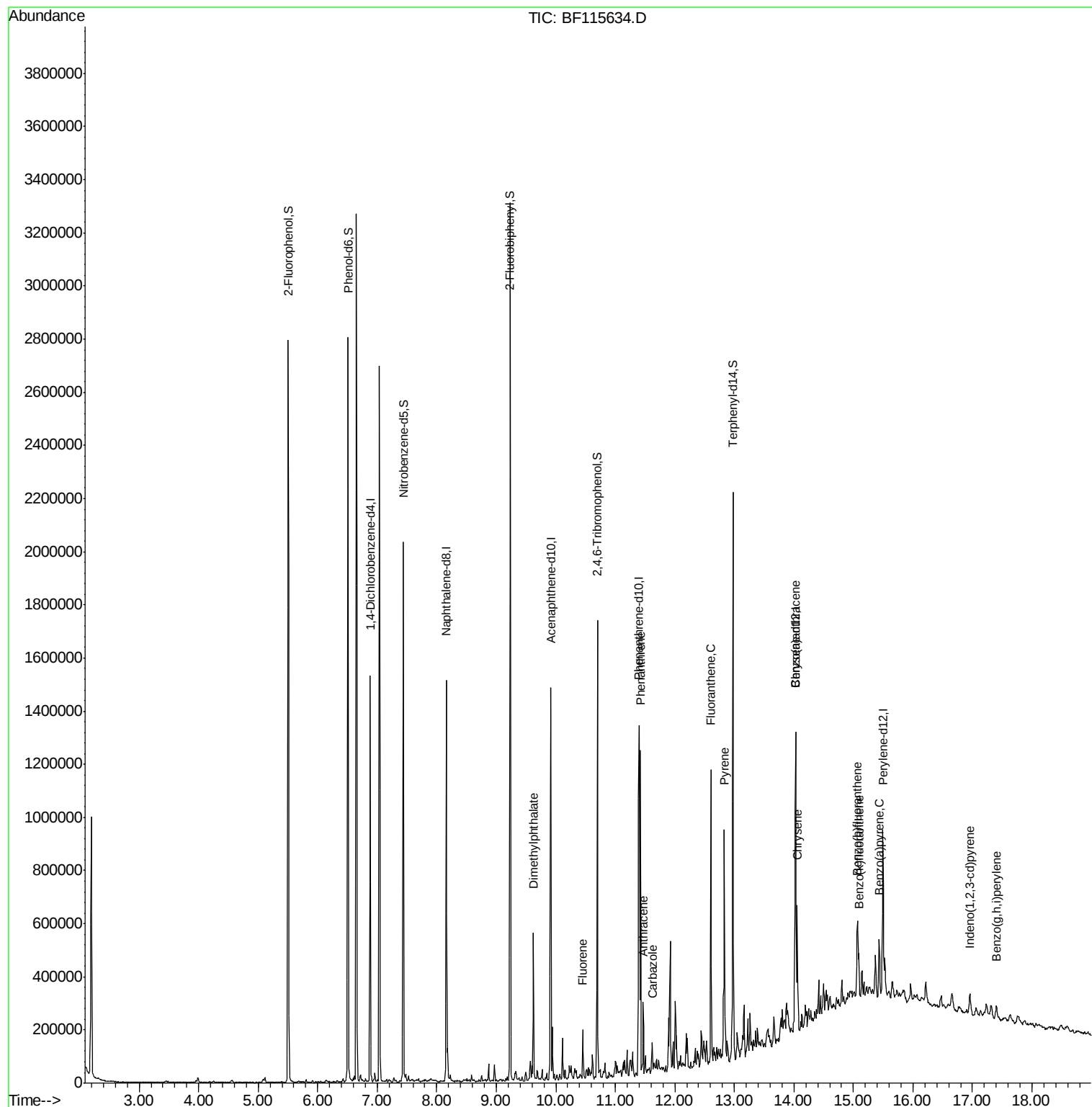
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071719\
Data File : BF115634.D
Acq On : 17 Jul 2019 20:45
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Quant Time: Jul 18 05:59:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration





#1

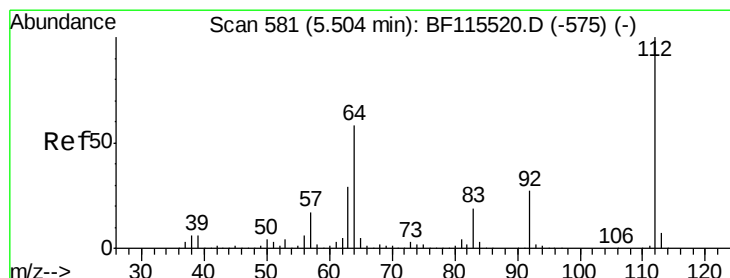
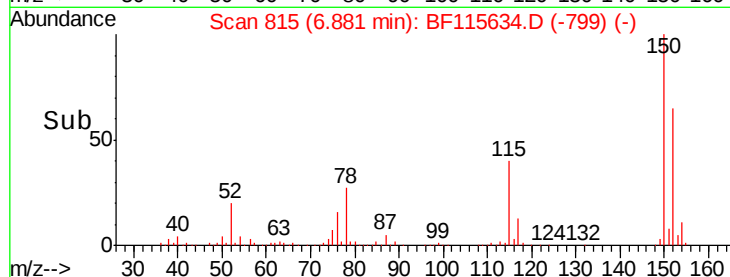
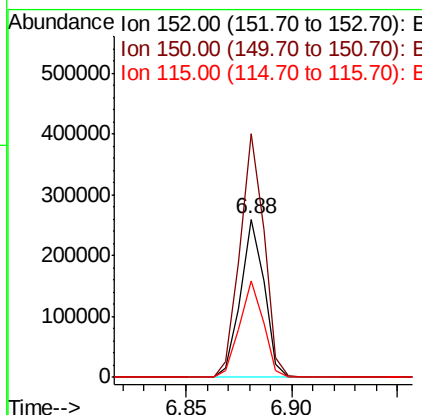
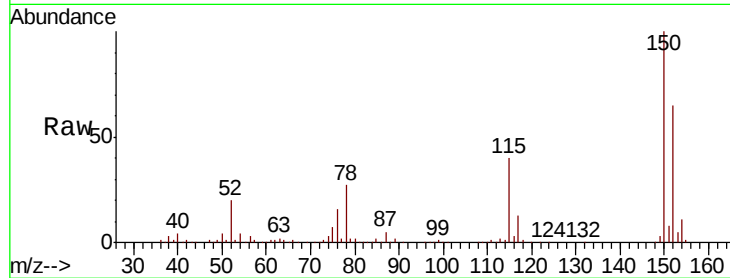
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

Instrument :
BNA_F
ClientSampleId :
COMP-3_071619

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	129.7	194.5
115	61.2	48.2	72.4

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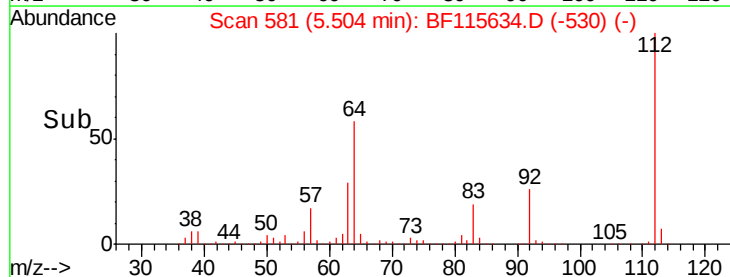
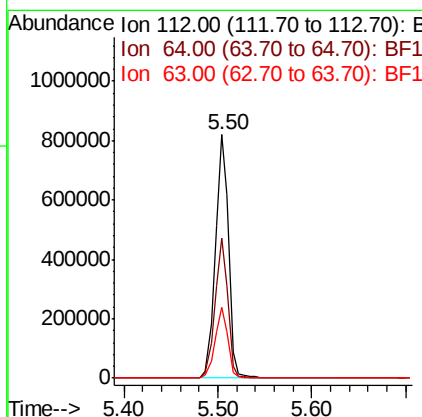
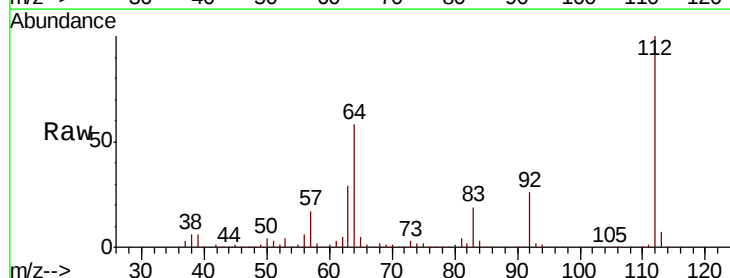
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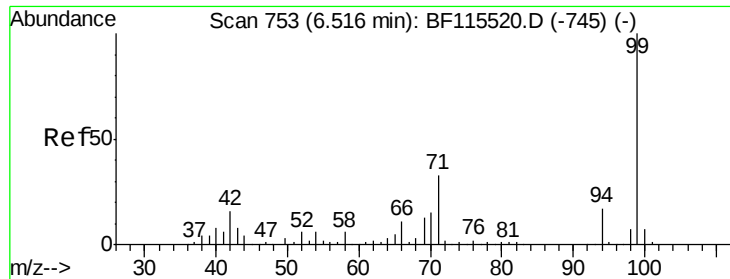


#5

2-Fluorophenol
Concen: 65.594 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	46.8	70.2
63	29.3	24.1	36.1





#7

Phenol-d6

Concen: 67.228 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

Instrument :

BNA_F

ClientSampleId :

COMP-3_071619

Tot Ion: 99 Resp: 1054352

Ion Ratio Lower Upper

99 100

42 15.8 13.6 20.4

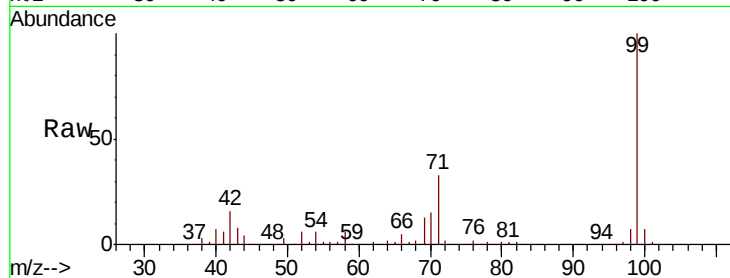
71 33.0 28.5 42.7

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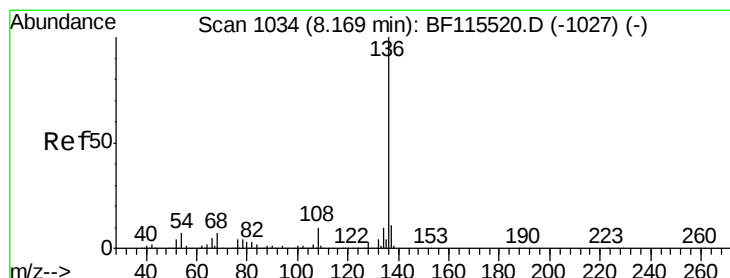
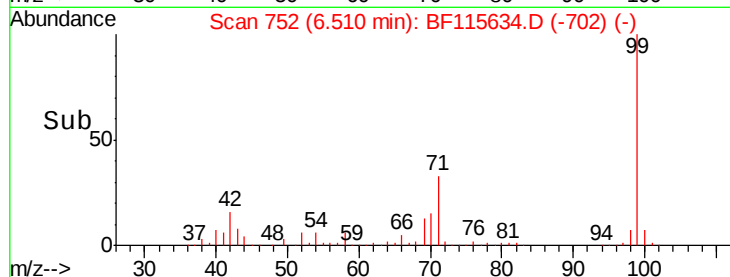
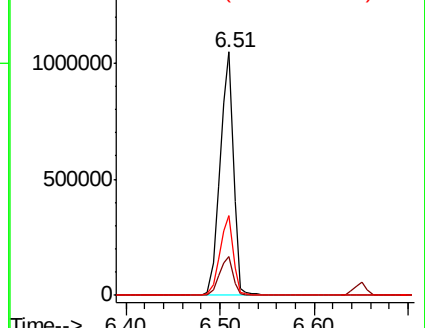
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

Tgt Ion: 136 Resp: 658111

Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.2 5.6 8.4

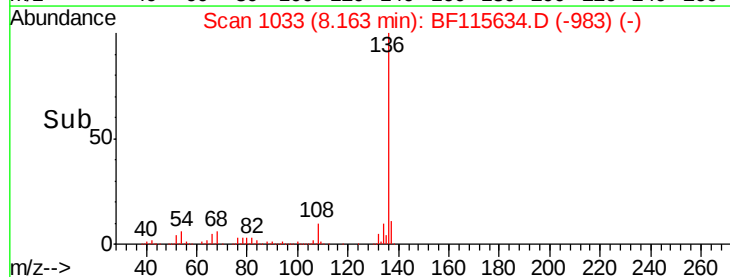
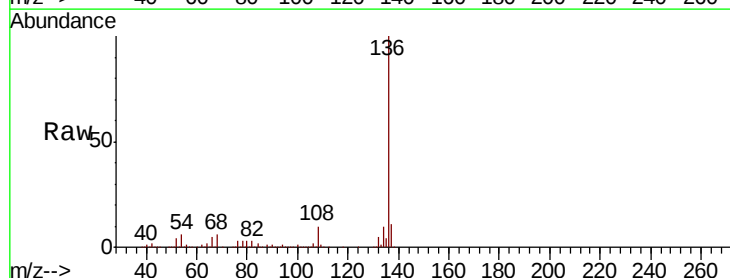
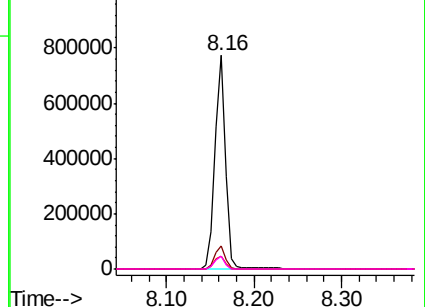
68 6.0 5.0 7.6

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





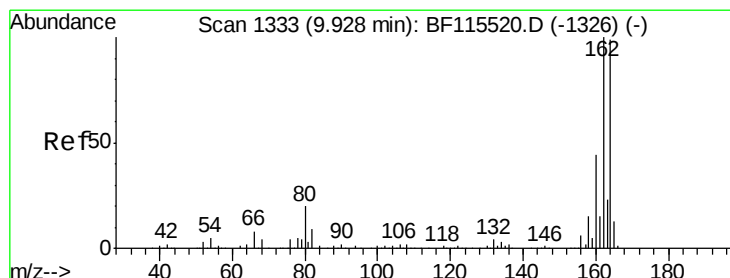
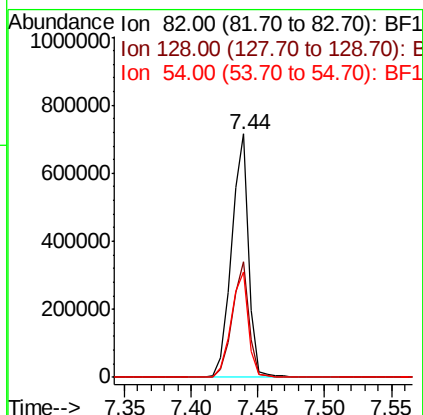
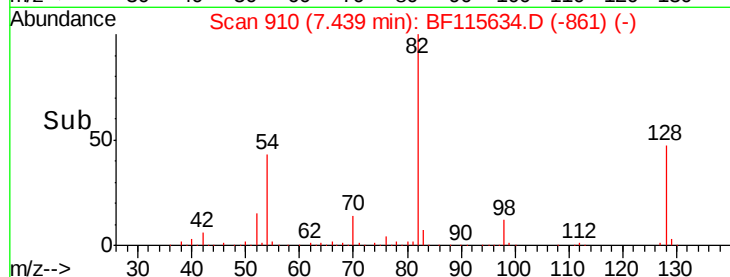
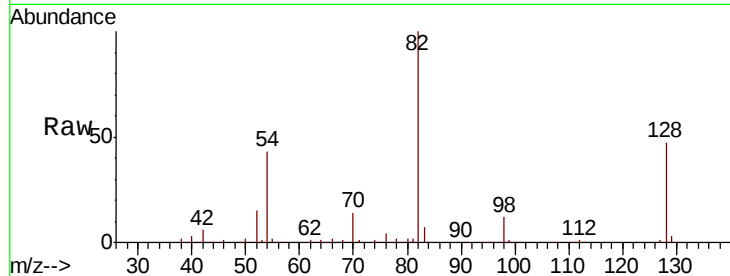
#23
Nitrobenzene-d5
Concen: 57.031 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

Instrument :
BNA_F
ClientSampleId :
COMP-3_071619

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.3	38.6	57.8
54	43.5	35.6	53.4

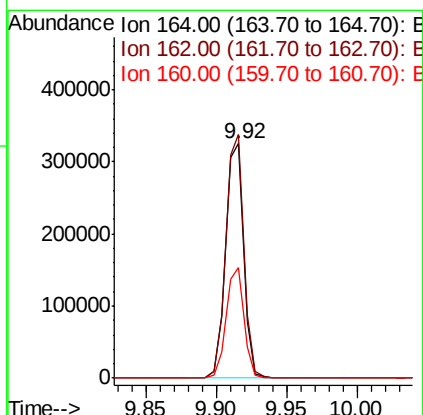
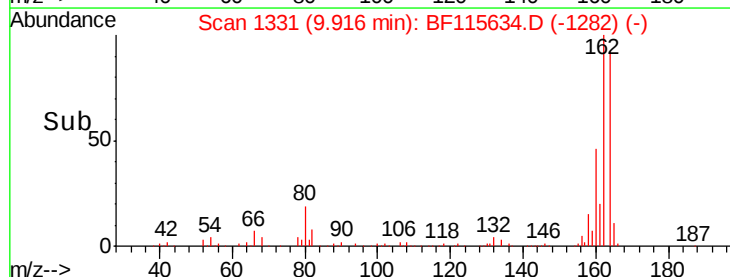
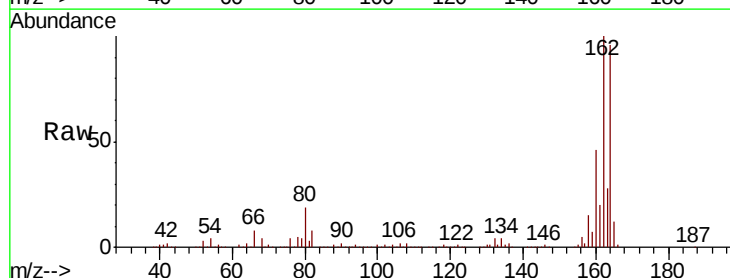
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.9	124.3
160	47.4	36.8	55.2





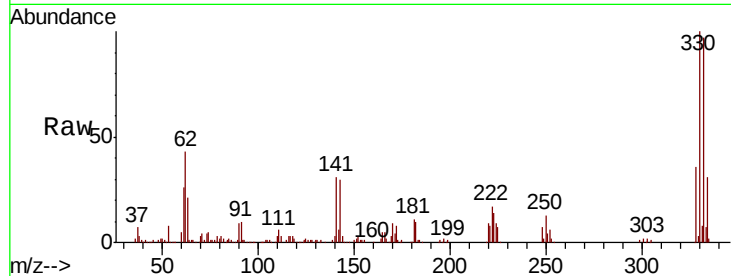
#42
 2,4,6-Tribromophenol
 Concen: 58.086 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BF115634.D
 Acq: 17 Jul 2019 20:45

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3_071619

Tot Ion	Ratio	Resp	Lower	Upper
330	100	195326		
332	97.0		77.4	116.2
141	31.6		22.4	33.6

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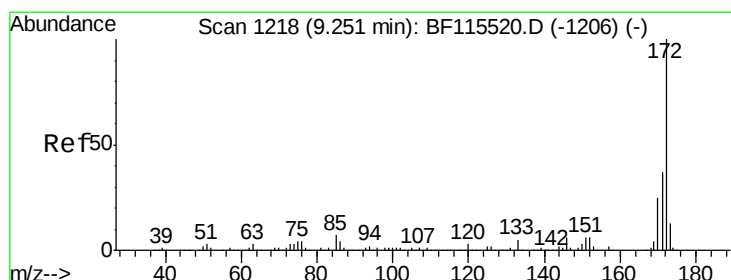
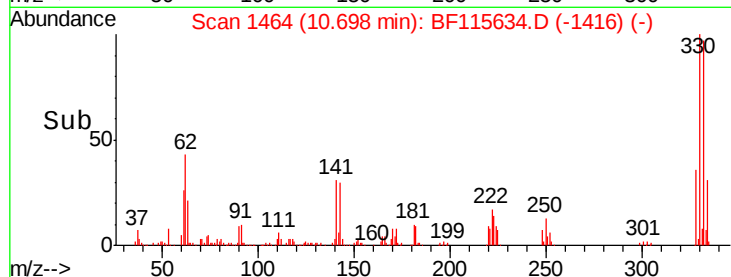
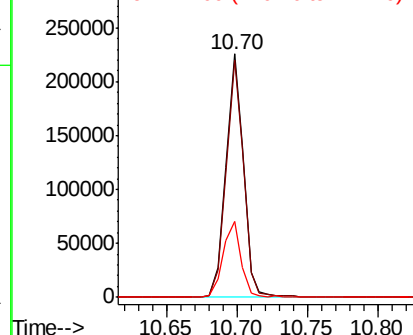


Abundance

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: 58.505 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: BF115634.D
 Acq: 17 Jul 2019 20:45

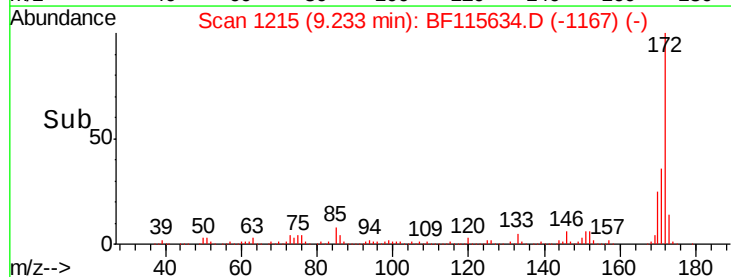
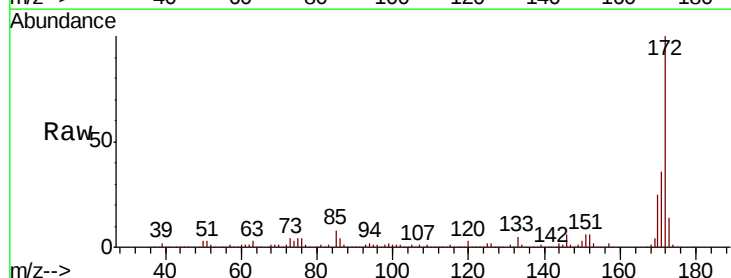
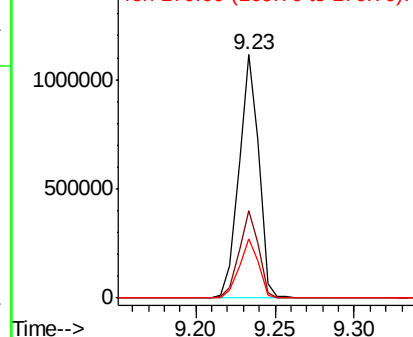
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	962979		
171	35.9		30.6	46.0
170	24.6		20.5	30.7

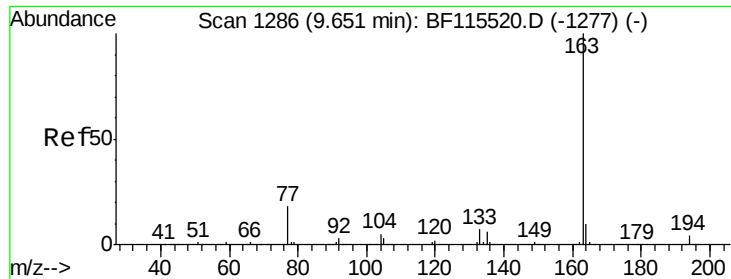
Abundance

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





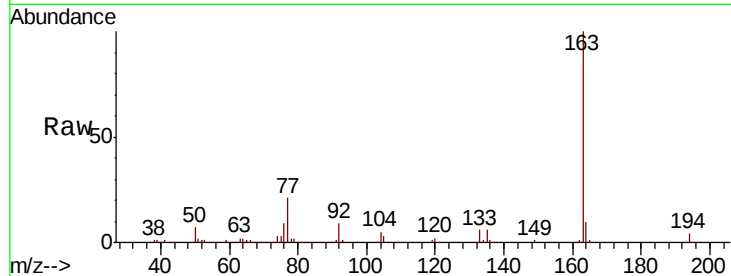
#50
Dimethylphthalate
Concen: 9.316 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

Instrument :
BNA_F
ClientSampleId :
COMP-3_071619

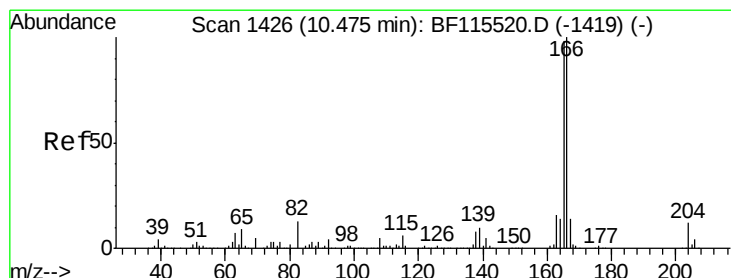
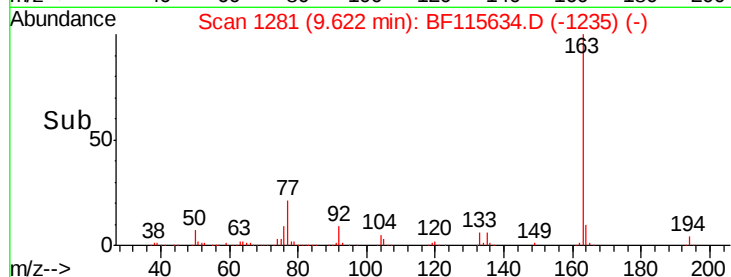
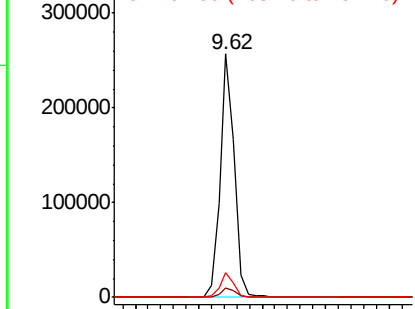
Tot Ion	Ratio	Resp	Lower	Upper
163	100	201918		
194	4.0		3.3	4.9
164	10.0		8.7	13.1

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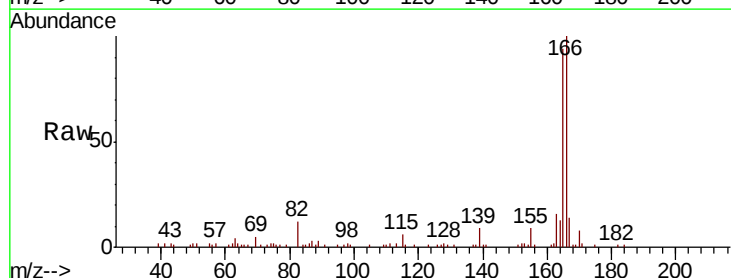


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

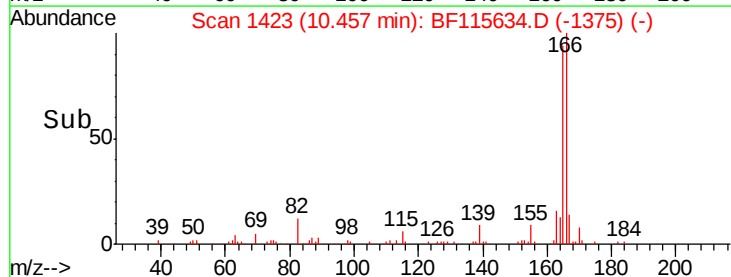
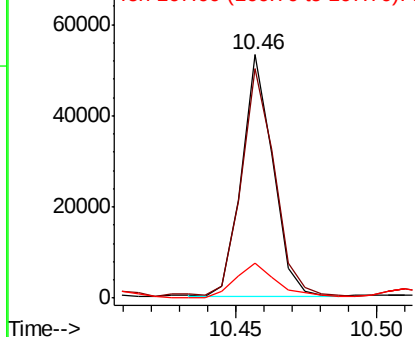


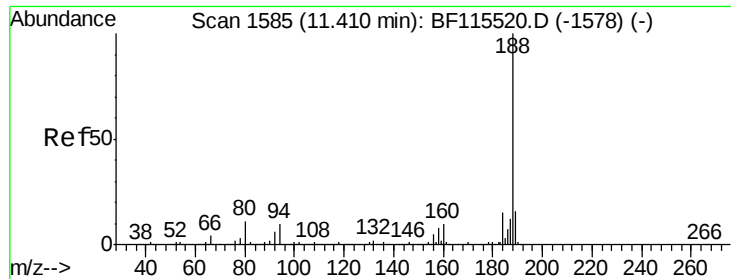
#58
Fluorene
Concen: 2.238 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.02 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	40754		
165	94.3		79.8	119.6
167	14.3		11.2	16.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

Instrument :

BNA_F

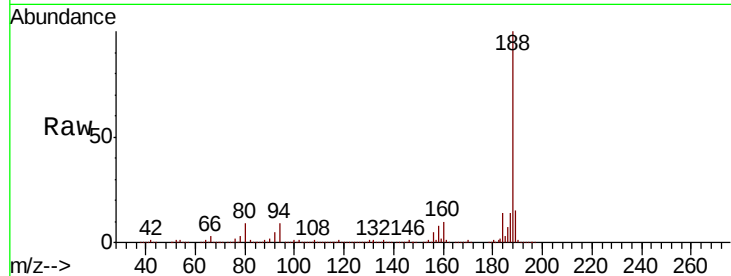
ClientSampleId :

COMP-3_071619

Tot Ion:	188	Resp:	467264
Ion Ratio	Lower	Upper	
188	100		
94	9.1	7.8	11.6
80	9.5	8.6	13.0

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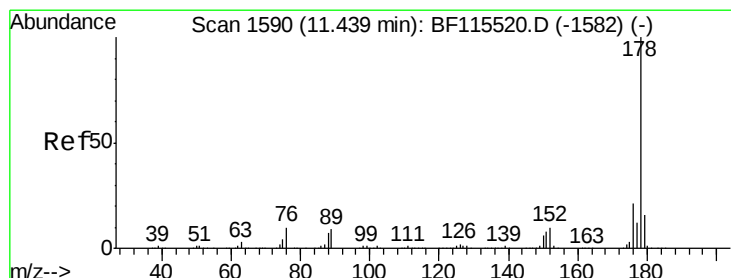
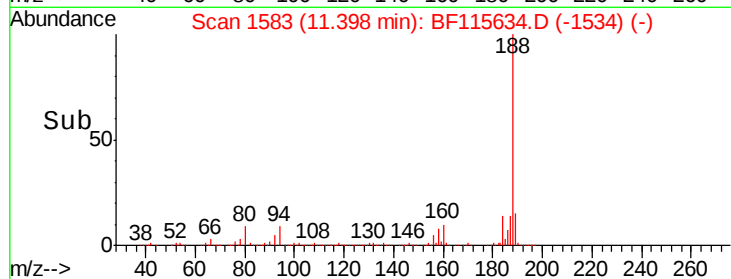
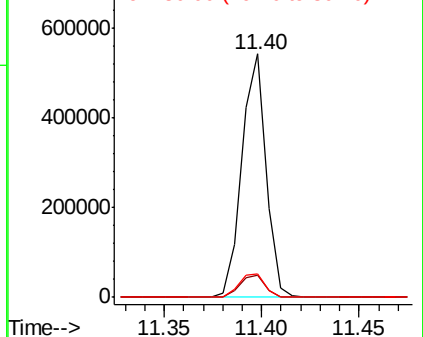
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 17.861 ng

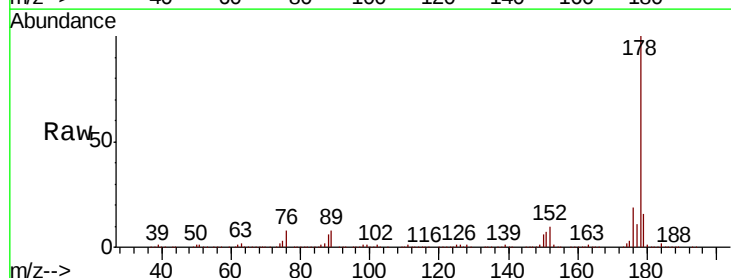
RT: 11.42 min Scan# 1587

Delta R.T. -0.02 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

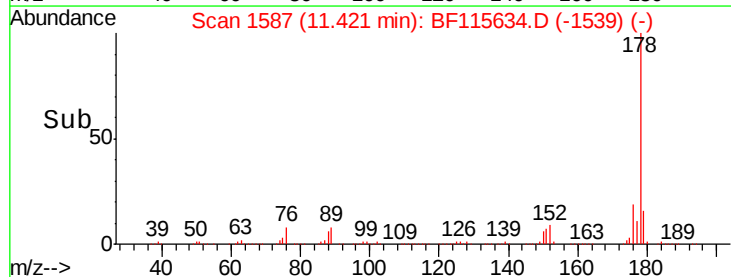
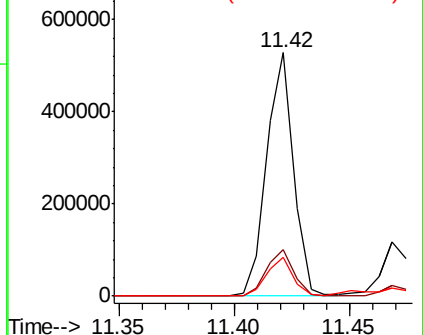
Tgt Ion:	178	Resp:	427805
Ion Ratio	Lower	Upper	
178	100		
176	19.4	17.2	25.8
179	15.7	13.5	20.3

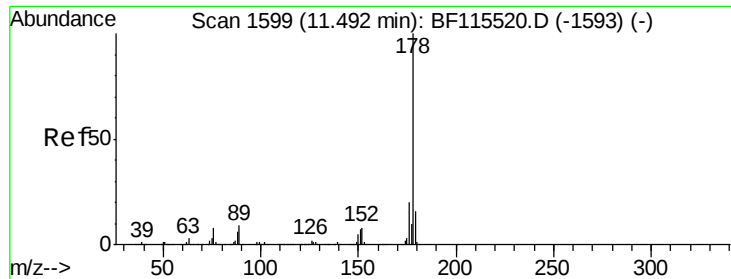


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.775 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.02 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

Instrument :

BNA_F

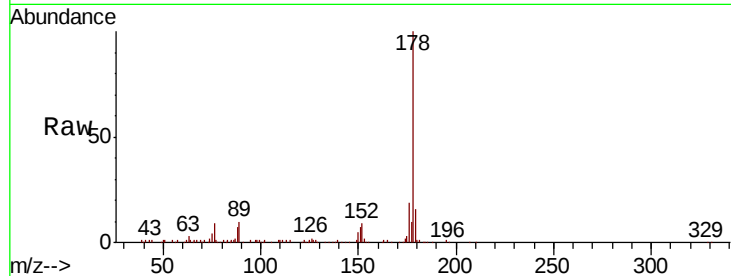
ClientSampleId :

COMP-3_071619

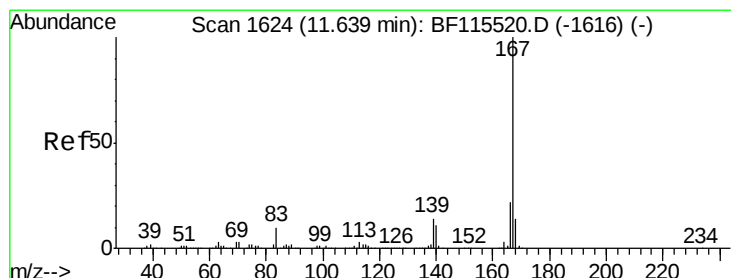
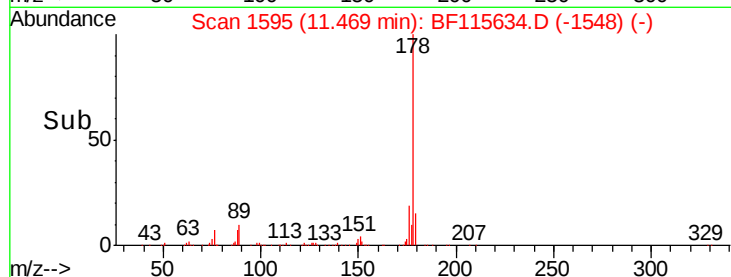
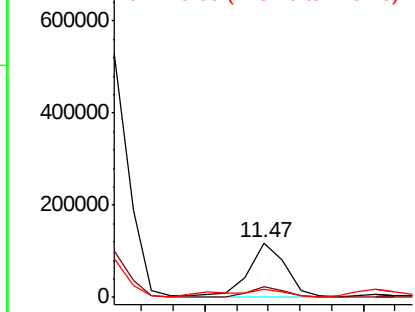
Tot Ion:	178	Resp:	93453
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.9	23.9
179	15.7	12.7	19.1

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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



#73

Carbazole

Concen: 2.015 ng

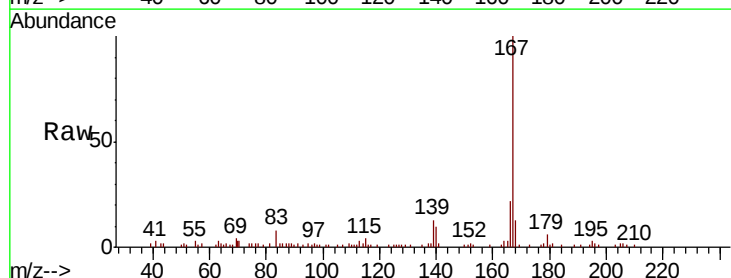
RT: 11.62 min Scan# 1621

Delta R.T. -0.02 min

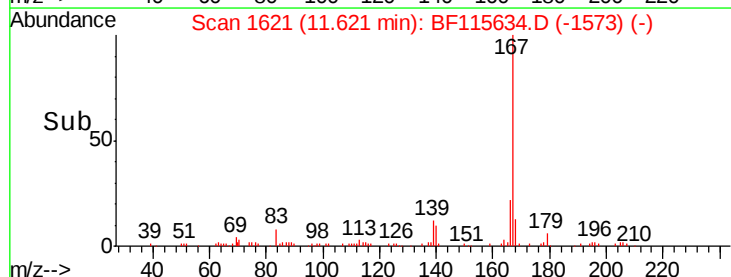
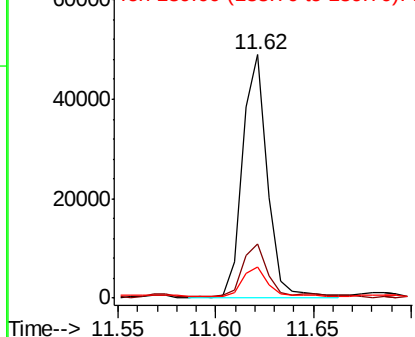
Lab File: BF115634.D

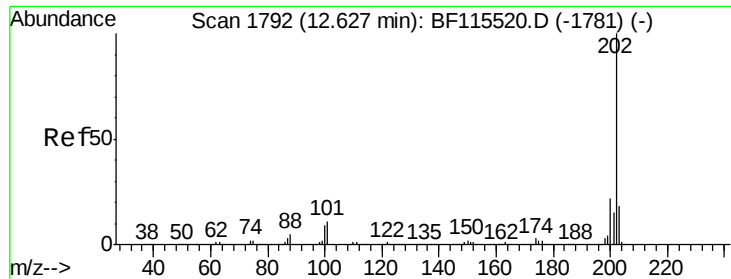
Acq: 17 Jul 2019 20:45

Tgt Ion:	167	Resp:	43735
Ion Ratio	Lower	Upper	
167	100		
166	22.2	18.1	27.1
139	12.7	11.3	16.9



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 16.341 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

Instrument :

BNA_F

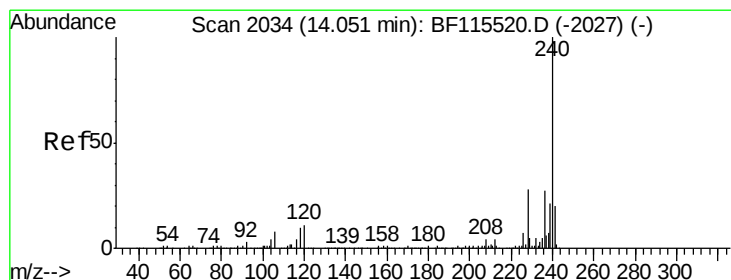
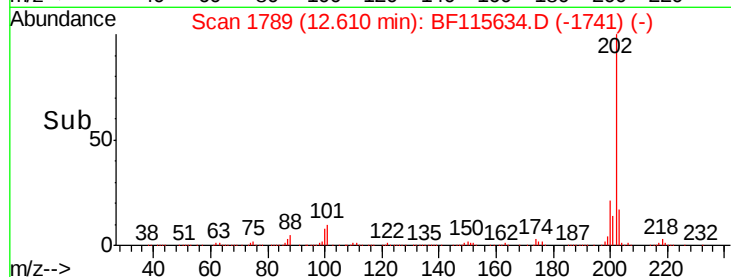
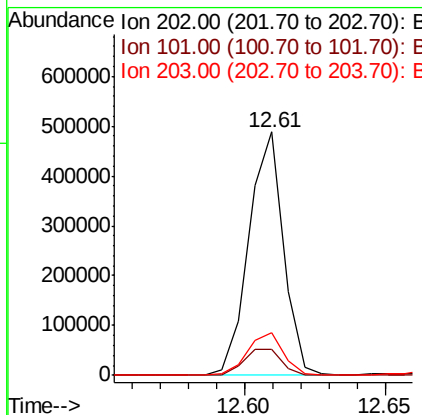
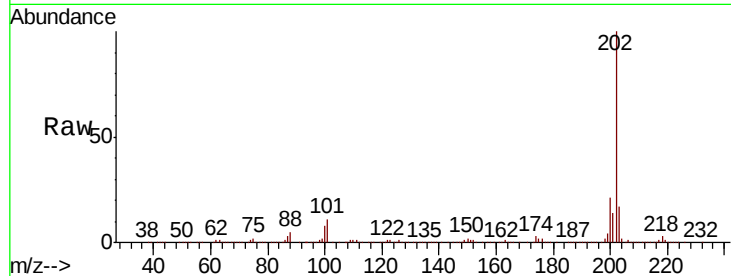
ClientSampleId :

COMP-3_071619

Tot Ion	Ratio	Resp	Lower	Upper
202	100	413594		
101	10.5	0.0	31.4	
203	17.3	0.0	38.1	

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#76

Chrysene-d12

Concen: 20.000 ng

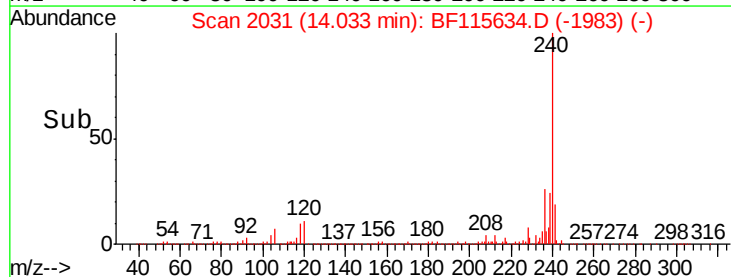
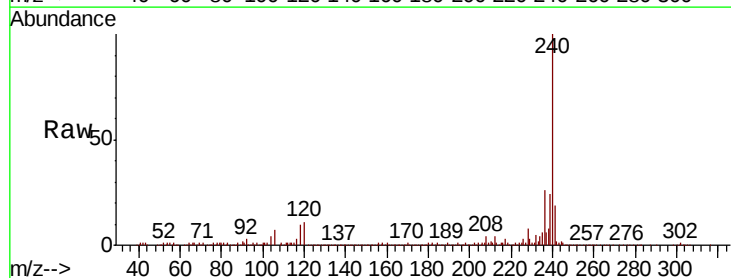
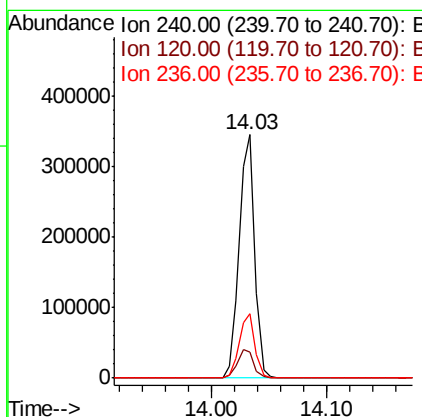
RT: 14.03 min Scan# 2031

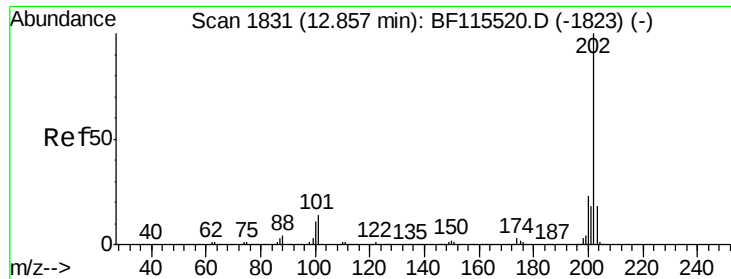
Delta R.T. -0.02 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	321943		
120	10.7	8.6	13.0	
236	26.2	21.3	31.9	





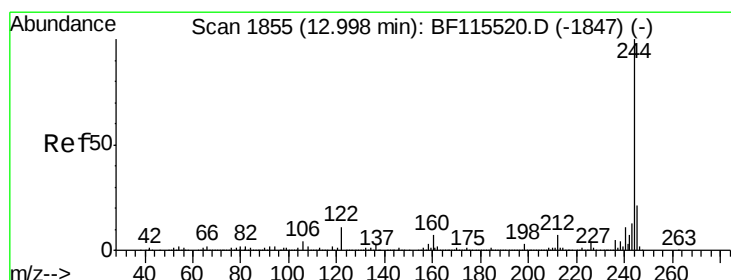
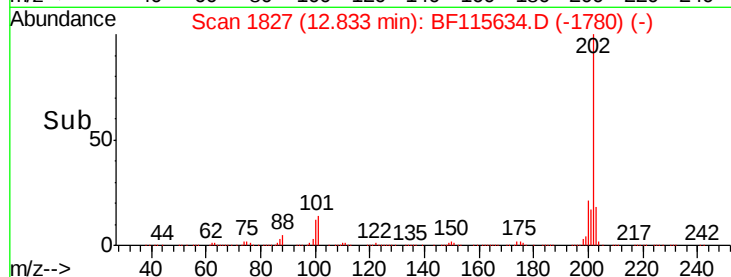
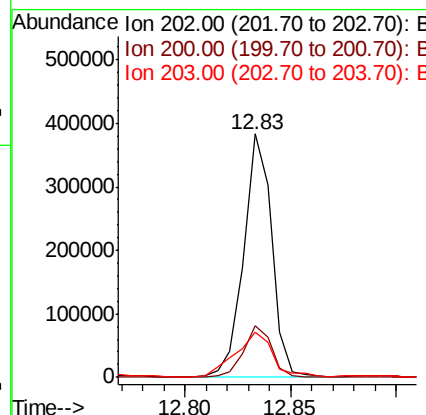
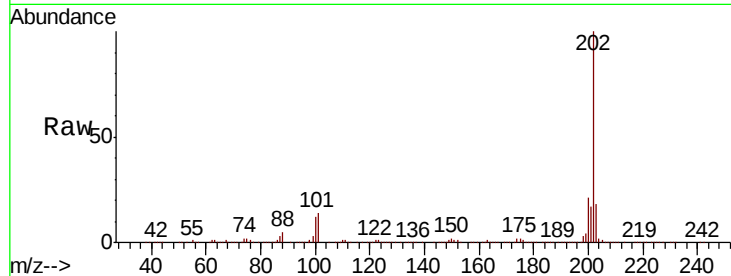
#78
Pvrene
Concen: 12.868 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.02 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

Instrument :
BNA_F
ClientSampleId :
COMP-3_071619

Tot Ion	Ratio	Resp	Lower	Upper
202	100	350992		
200	21.3		18.7	28.1
203	18.4		15.2	22.8

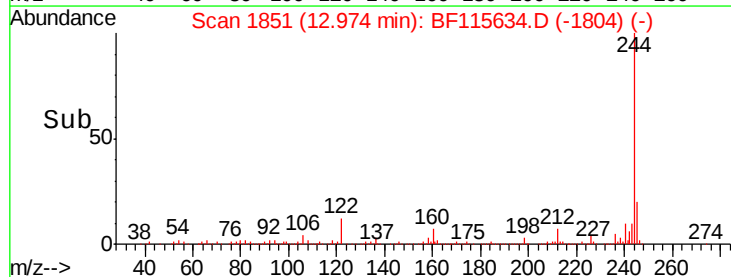
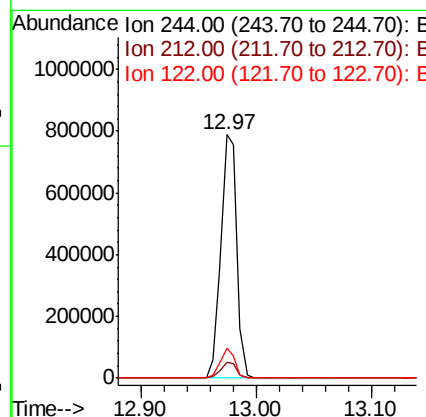
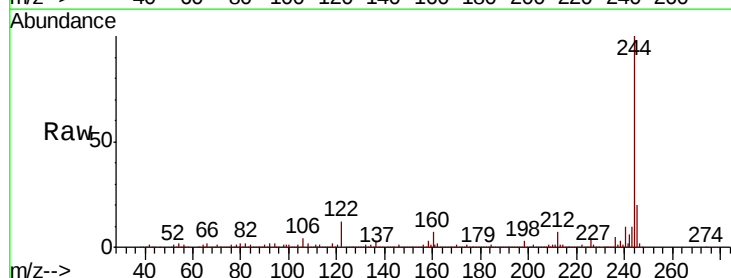
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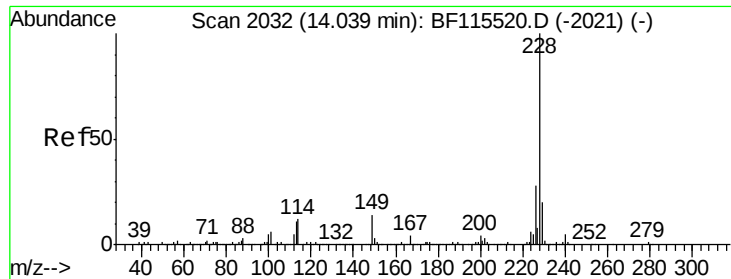
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#79
Terphenyl-d14
Concen: 43.005 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.02 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	750353		
212	6.7		6.0	9.0
122	12.2		8.6	12.8





#81

Benzo(a)anthracene

Concen: 9.084 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

Instrument :

BNA_F

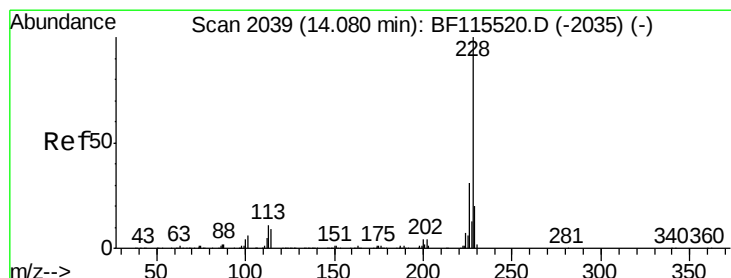
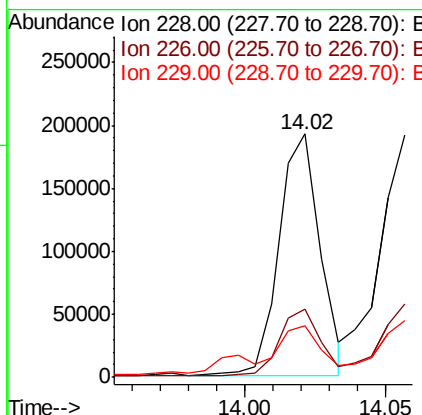
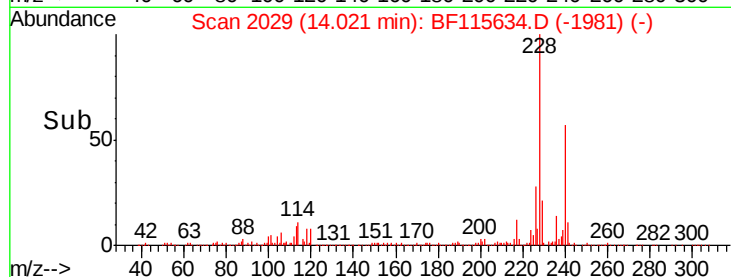
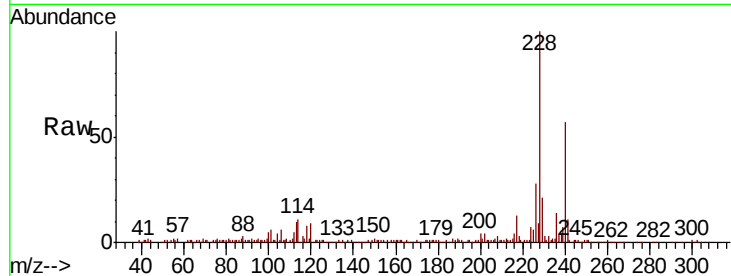
ClientSampleId :

COMP-3_071619

Tot Ion:	228	Resp:	192668
Ion Ratio	Lower	Upper	
228	100		
226	28.0	23.4	35.0
229	21.5	17.2	25.8

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#83

Chrysene

Concen: 8.404 ng

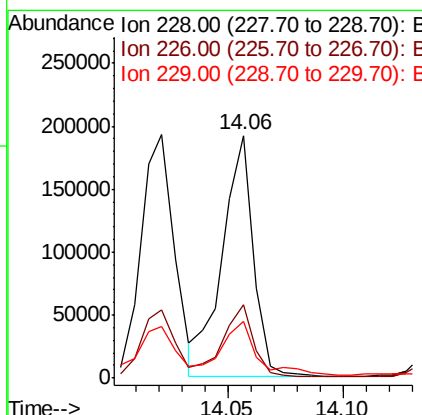
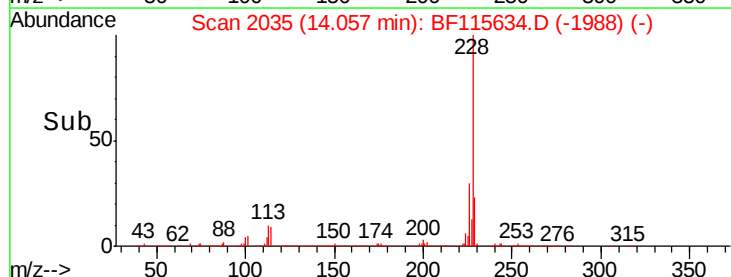
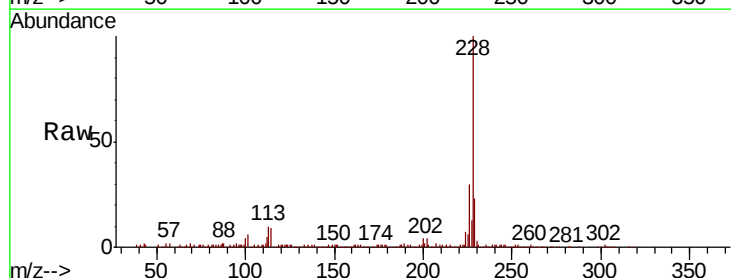
RT: 14.06 min Scan# 2035

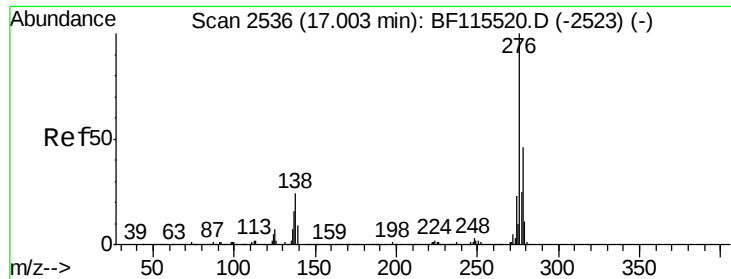
Delta R.T. -0.02 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

Tgt Ion:	228	Resp:	178927
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.7	38.5
229	23.2	16.6	25.0





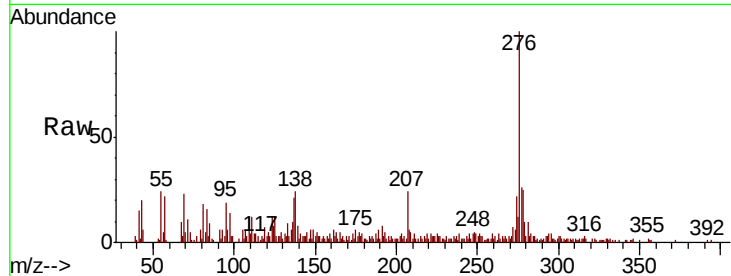
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.863 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. -0.05 min
 Lab File: BF115634.D
 Acq: 17 Jul 2019 20:45

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3_071619

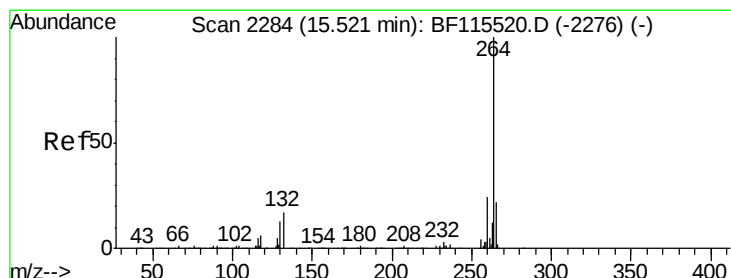
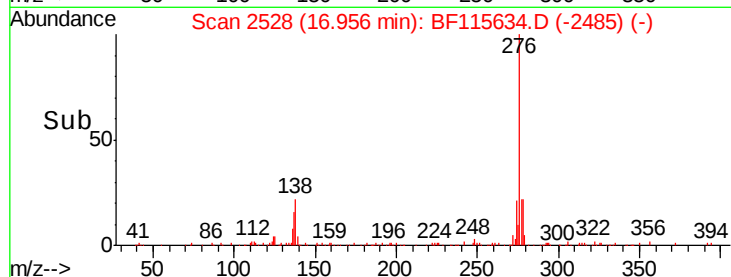
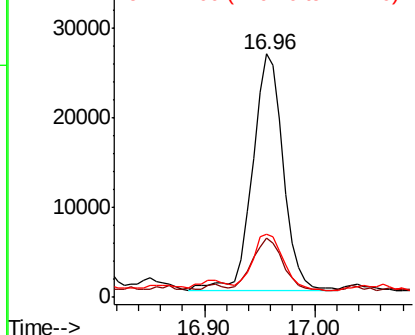
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.7	20.2	30.2
277	23.8	20.4	30.6

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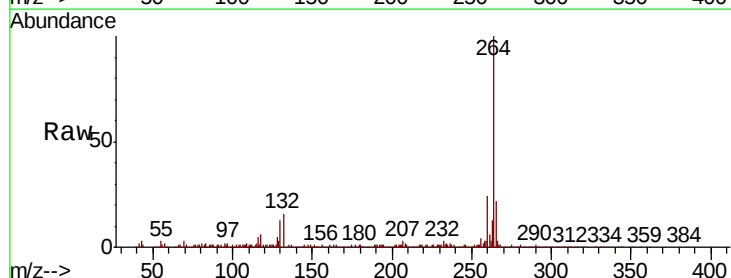


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

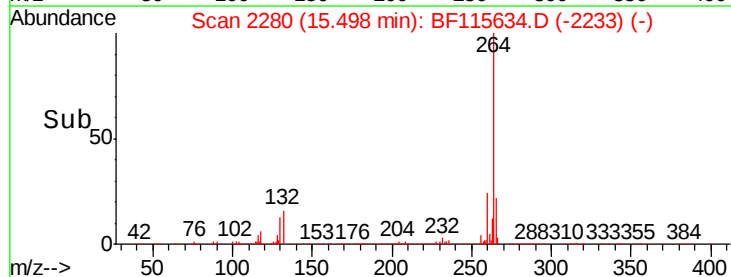
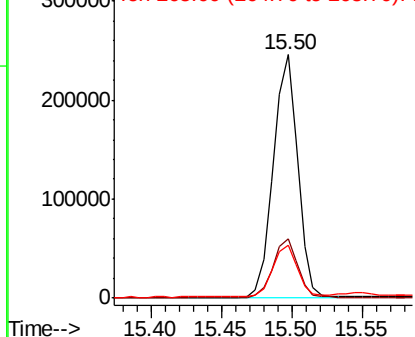


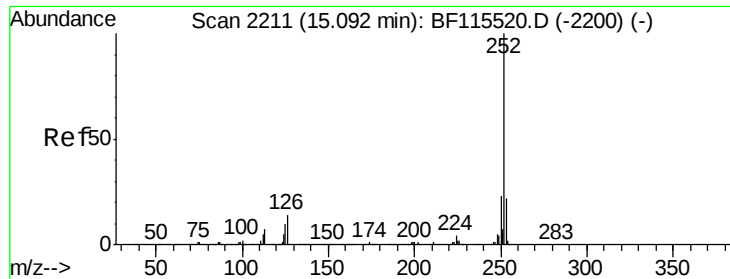
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.02 min
 Lab File: BF115634.D
 Acq: 17 Jul 2019 20:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.8
265	21.9	17.7	26.5



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





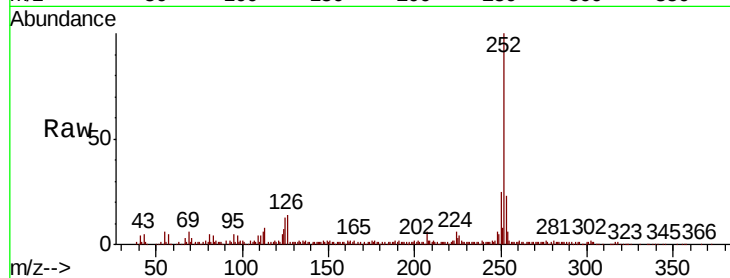
#88
Benzo(b)fluoranthene
Concen: 9.115 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

Instrument :
BNA_F
ClientSampleId :
COMP-3_071619

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	12.9	9.0	13.4

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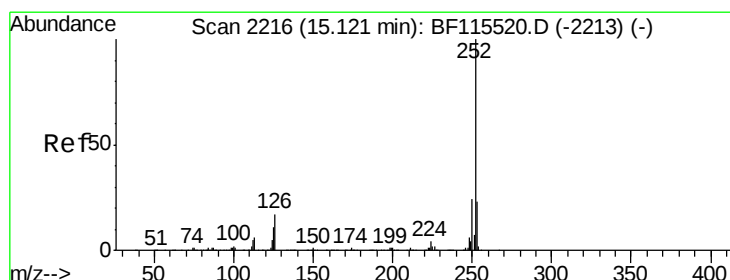
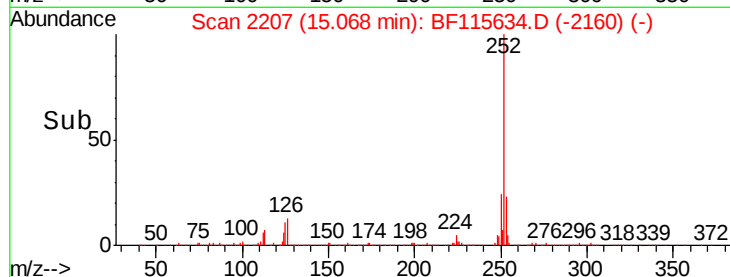
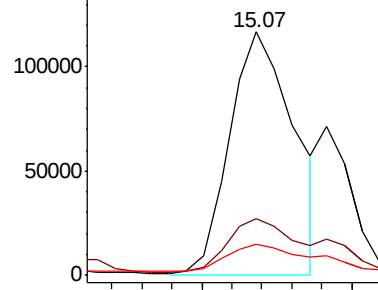


Abundance

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(k)fluoranthene
Concen: 3.238 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.03 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

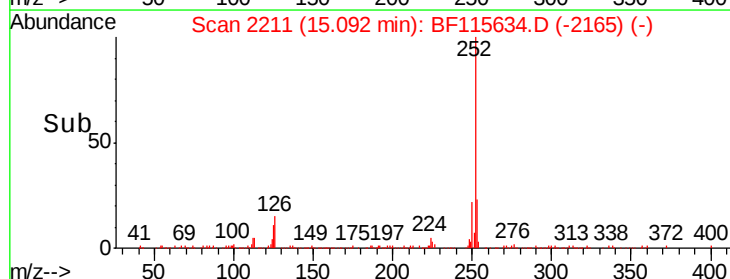
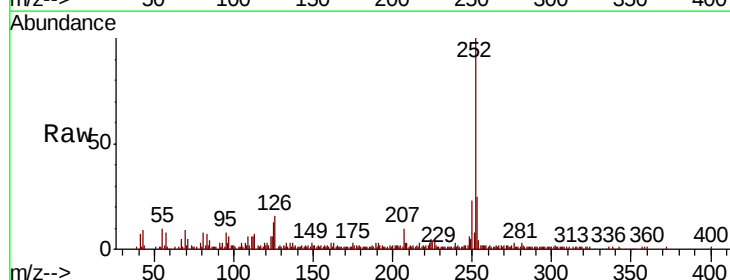
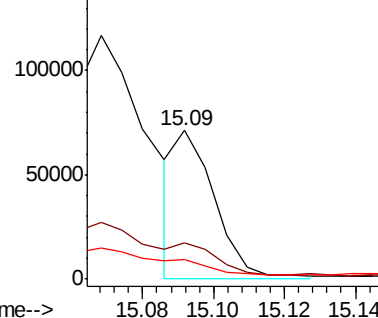
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.6	28.0
125	13.1	9.0	13.6

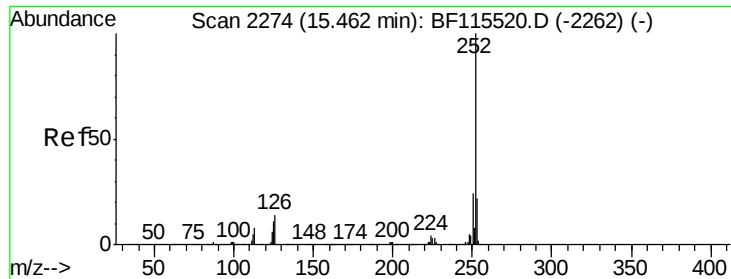
Abundance

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





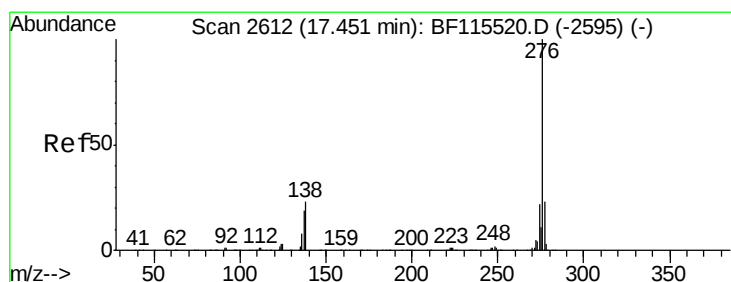
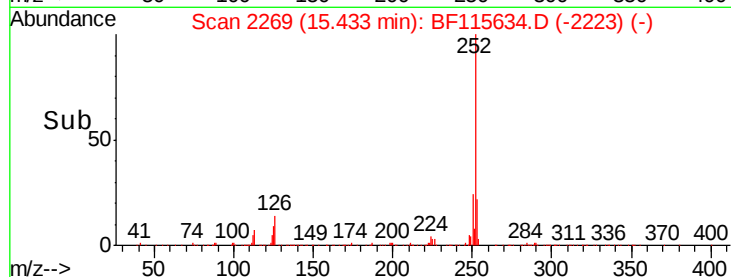
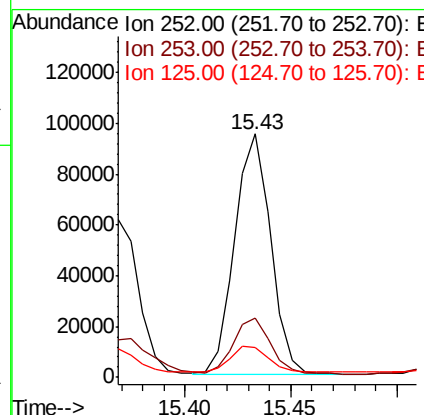
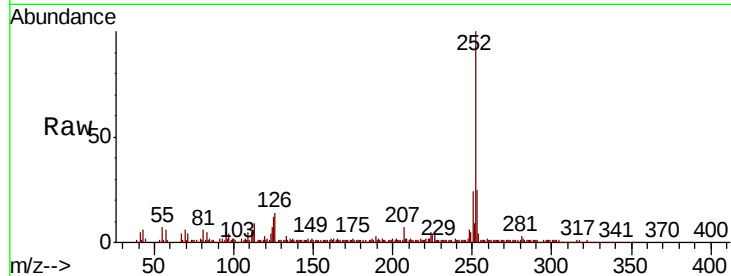
#90
Benzo(a)pyrene
Concen: 6.822 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.03 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

Instrument :
BNA_F
ClientSampleId :
COMP-3_071619

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.6
125	12.1	9.1	13.7

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#92
Benzo(g,h,i)perylene
Concen: 2.895 ng
RT: 17.40 min Scan# 2604
Delta R.T. -0.05 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	19.0	28.4
138	22.9	17.2	25.8

