

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071119\
 Data File : BF115511.D
 Acq On : 11 Jul 2019 22:54
 Operator : HP/JU
 Sample : K3740-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-24

Manual Integrations
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Quant Time: Jul 12 06:56:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 10 16:47:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	142421	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	560593	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	264829	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	452460	20.00	ng	0.00
76) Chrysene-d12	14.06	240	320925	20.00	ng	-0.01
87) Perylene-d12	15.54	264	372313	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	570802	61.92	ng	0.00
7) Phenol-d6	6.52	99	776381	66.22	ng	0.00
23) Nitrobenzene-d5	7.45	82	480130	50.60	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	153140	52.30	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	910192	60.31	ng	0.00
79) Terphenyl-d14	13.00	244	796507	50.82	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.64	163	226347	11.387	ng	Qvalue 98
71) Phenanthrene	11.44	178	356697	14.990	ng	98
72) Anthracene	11.49	178	89534	3.752	ng	98
75) Fluoranthene	12.63	202	817921	32.645	ng	99
78) Pyrene	12.86	202	742193	29.739	ng	100
81) Benzo(a)anthracene	14.04	228	523621	25.464	ng	100
83) Chrysene	14.08	228	453568	21.468	ng	97
86) Indeno(1,2,3-cd)pyrene	17.02	276	222755	8.032	ng	94
88) Benzo(b)fluoranthene	15.10	252	657600m	27.128	ng	
89) Benzo(k)fluoranthene	15.13	252	227073m	10.533	ng	
90) Benzo(a)pyrene	15.47	252	429138	20.525	ng	99
91) Dibenzo(a,h)anthracene	17.03	278	62771	3.513	ng	# 88
92) Benzo(a,h,i)perylene	17.47	276	195165	11.541	ng	98

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

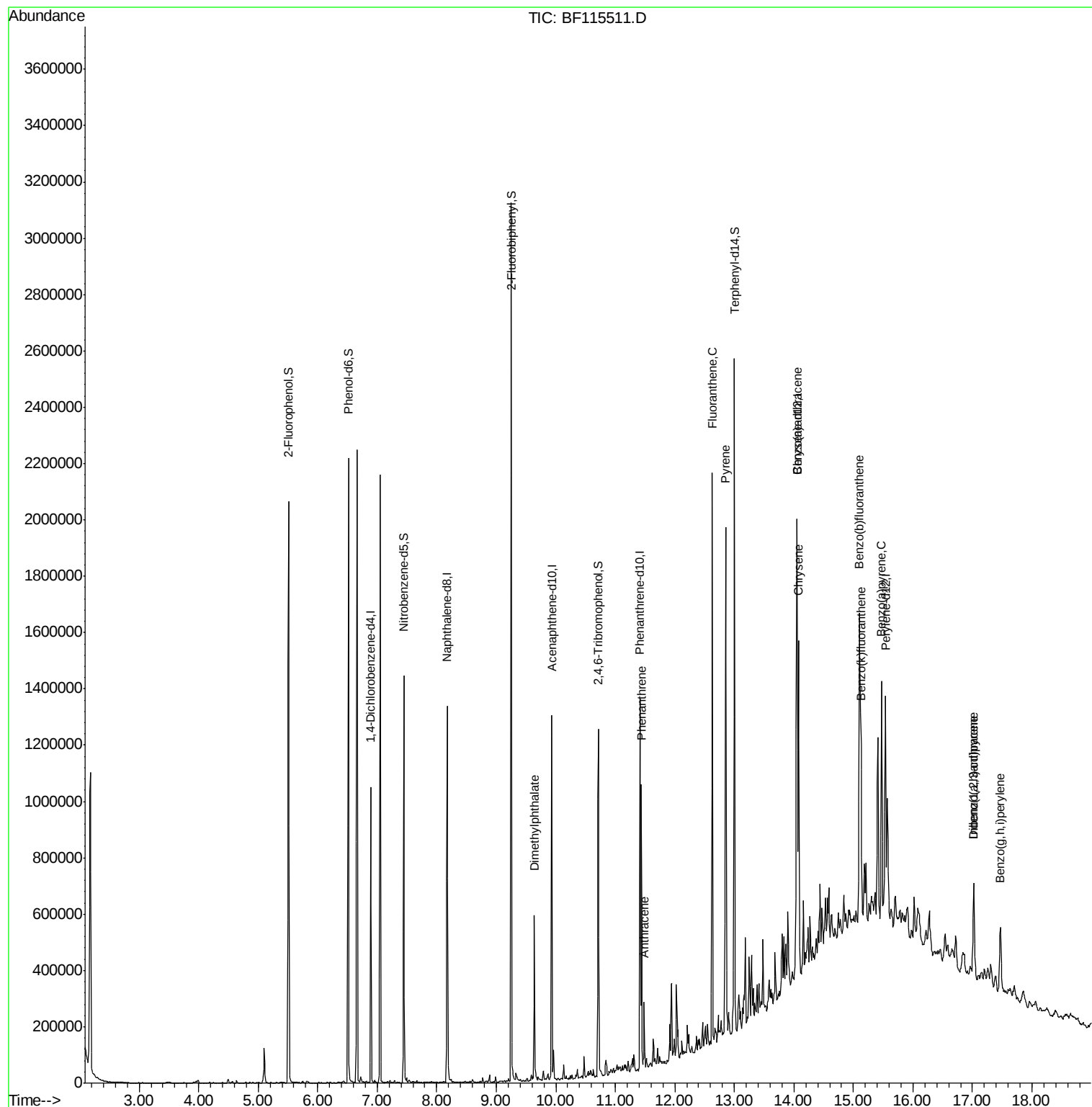
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071119\
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ALS Vial : 11 Sample Multiplier: 1

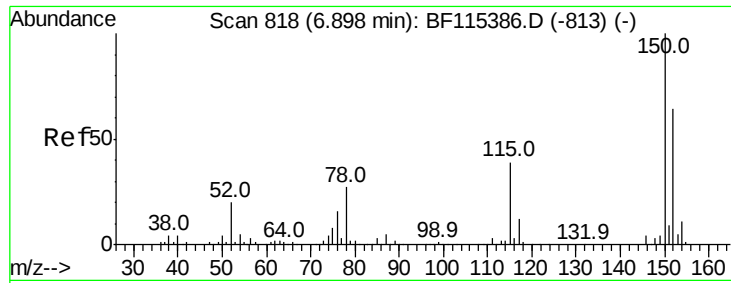
Instrument :
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#1

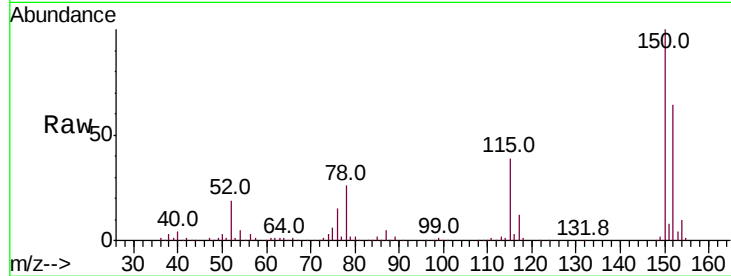
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF115511.D
 Acq: 11 Jul 2019 22:54

Instrument :
 BNA_F
 ClientSampleId :
 COMP-24

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	127.4	191.2
115	60.7	46.2	69.4

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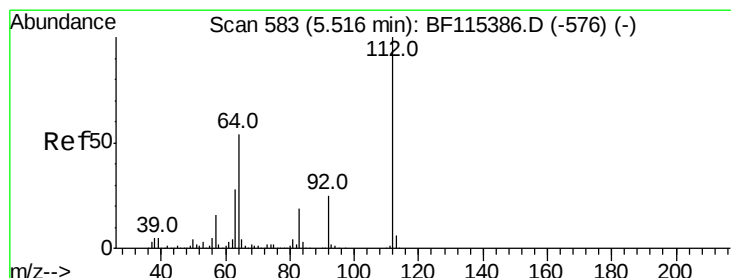
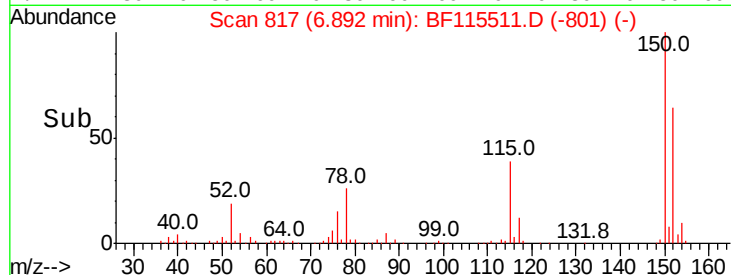
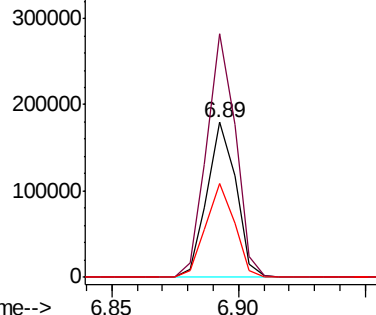


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

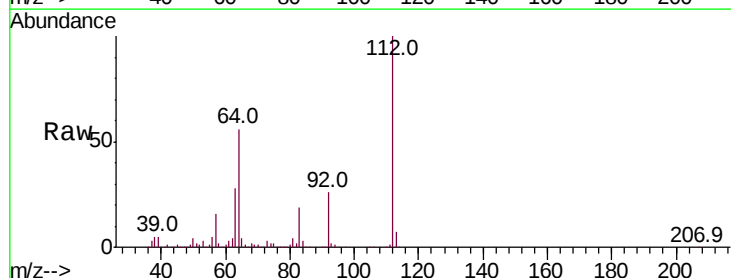
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 61.922 ng
 RT: 5.51 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: BF115511.D
 Acq: 11 Jul 2019 22:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.2	66.2
63	27.8	22.1	33.1

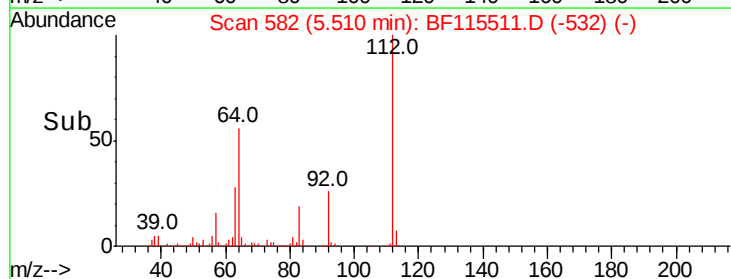
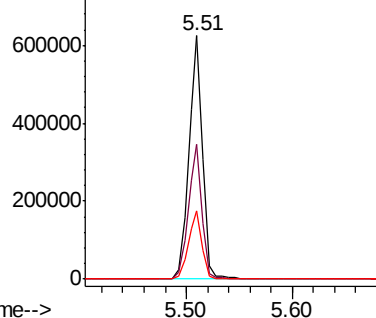


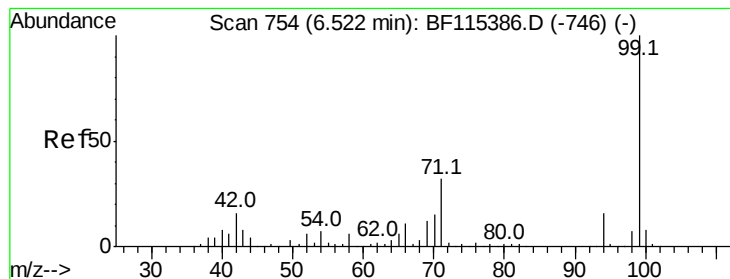
Abundance

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: 66.225 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF115511.D

Acq: 11 Jul 2019 22:54

Instrument :

BNA_F

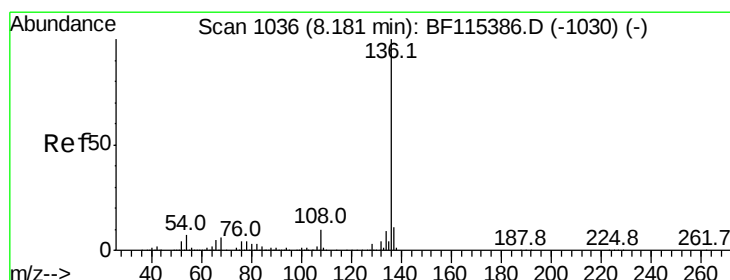
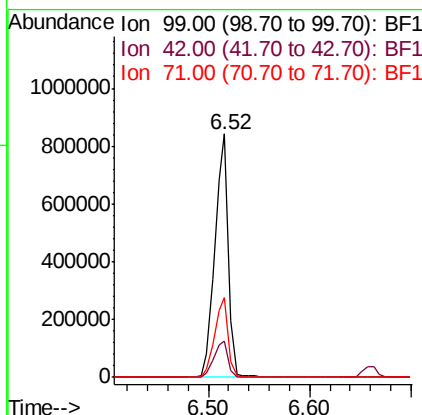
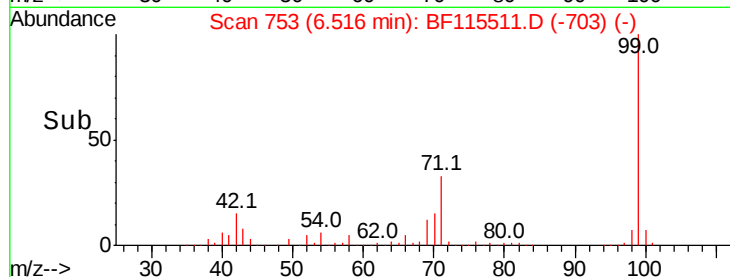
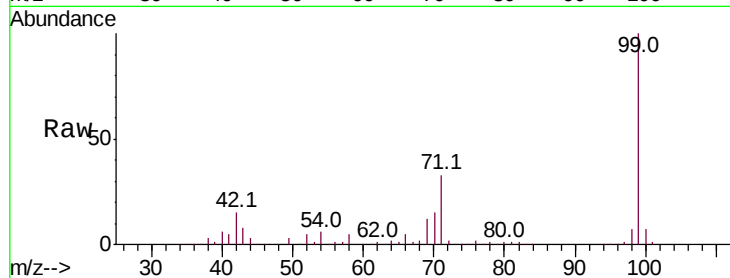
ClientSampled :

COMP-24

Tot Ion:	99	Resp:	776381
Ion Ratio	Lower	Upper	
99	100		
42	15.1	12.8	19.2
71	32.6	26.5	39.7

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#21

Naphthalene-d8

Concen: 20.000 ng

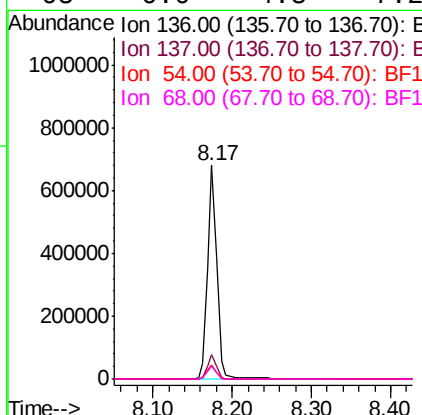
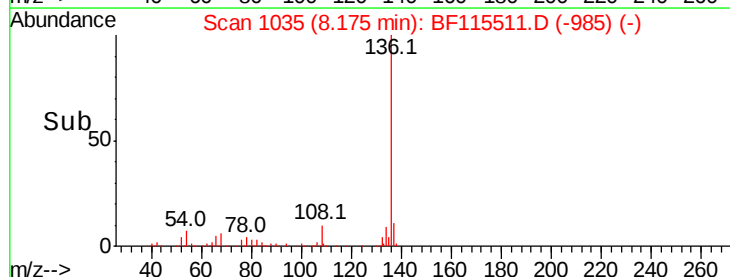
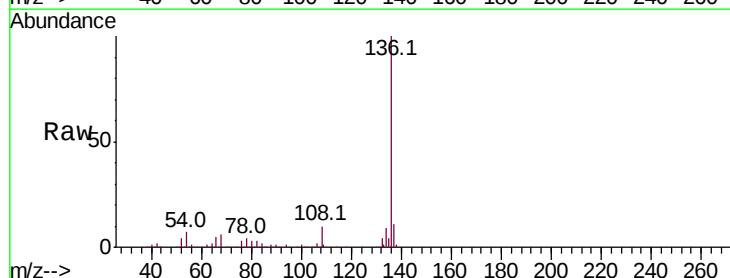
RT: 8.17 min Scan# 1035

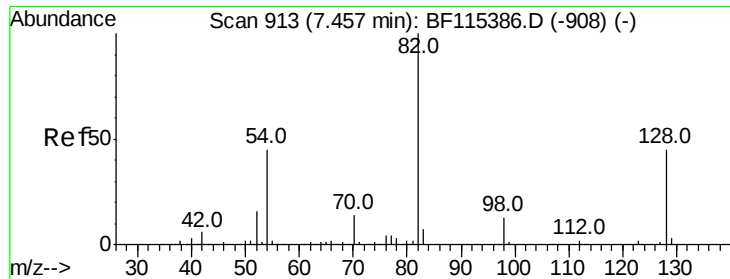
Delta R.T. -0.01 min

Lab File: BF115511.D

Acq: 11 Jul 2019 22:54

Tgt Ion:	136	Resp:	560593
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.8	13.2
54	6.7	5.4	8.0
68	6.0	4.8	7.2





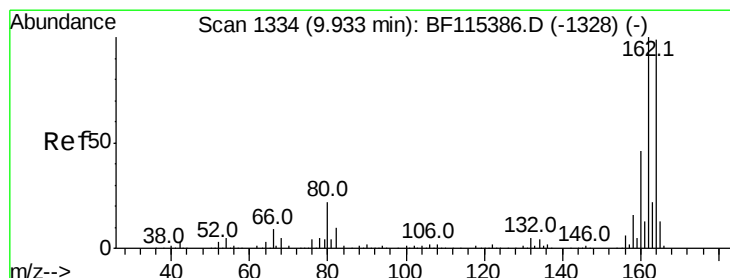
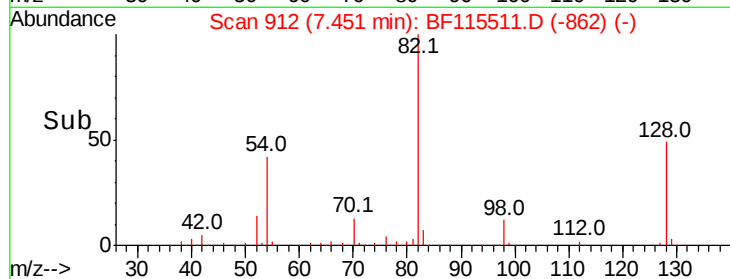
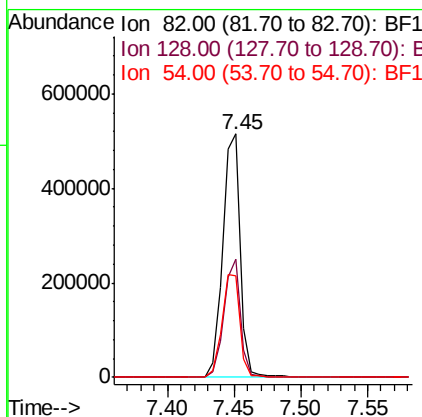
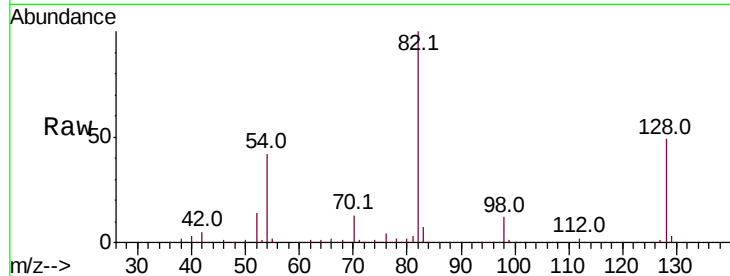
#23
 Nitrobenzene-d5
 Concen: 50.603 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF115511.D
 Acq: 11 Jul 2019 22:54

Instrument :
 BNA_F
 ClientSampleId :
 COMP-24

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.7	36.7	55.1
54	41.6	35.6	53.4

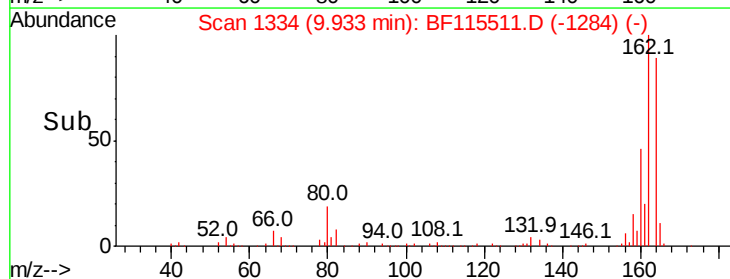
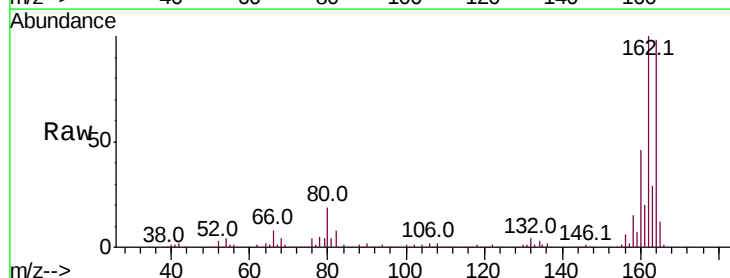
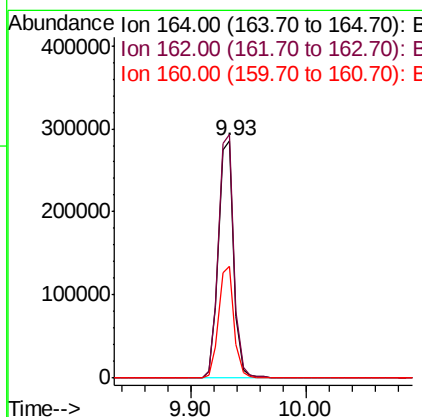
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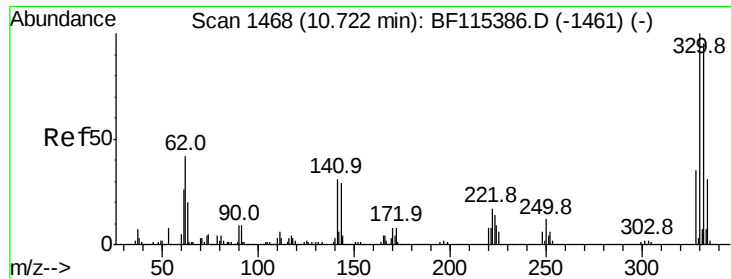
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BF115511.D
 Acq: 11 Jul 2019 22:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.3	123.5
160	47.0	37.2	55.8





#42

2,4,6-Tribromophenol

Concen: 52.300 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF115511.D

Acq: 11 Jul 2019 22:54

Instrument :

BNA_F

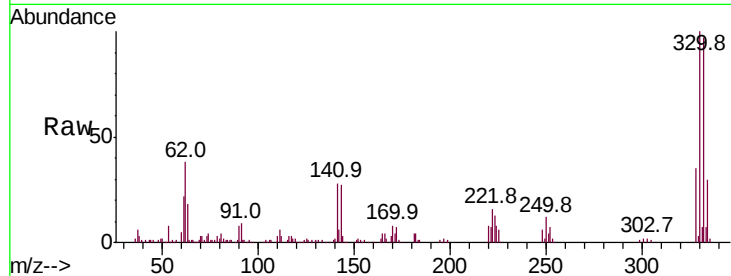
ClientSampleId :

COMP-24

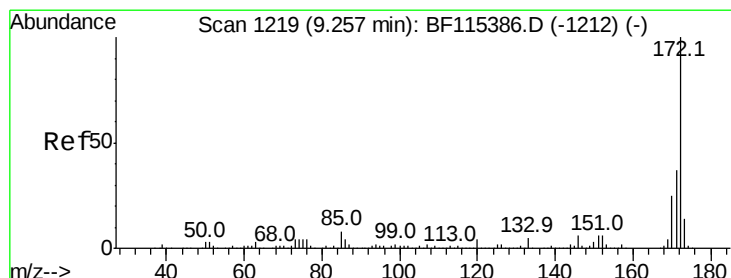
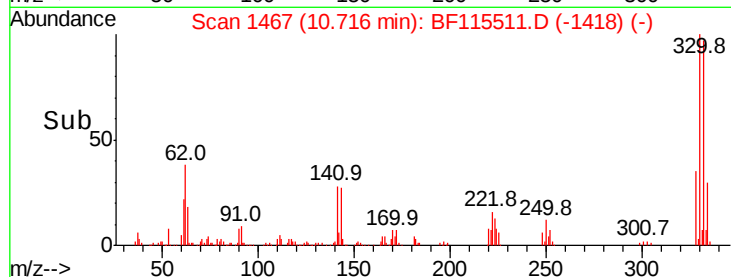
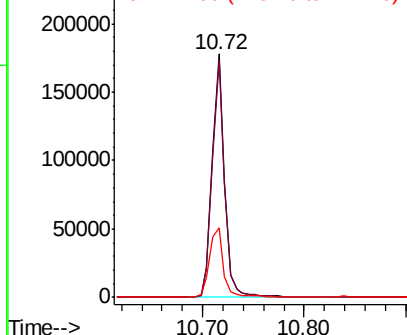
Tot Ion:	330	Resp:	153140
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.4	116.0
141	32.5	24.7	37.1

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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: 60.309 ng

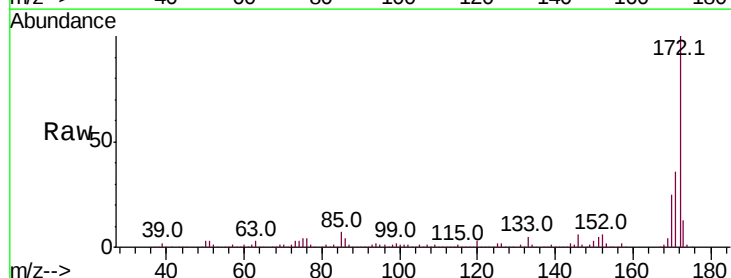
RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

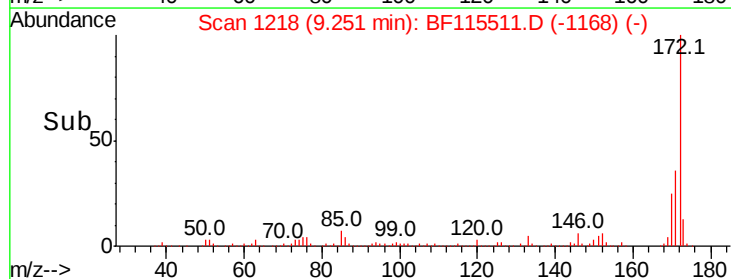
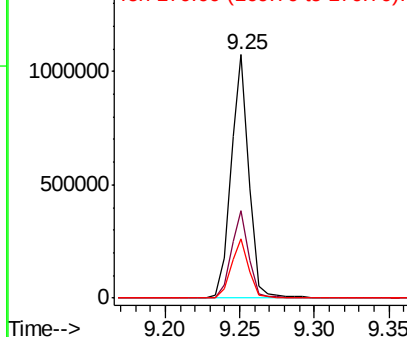
Lab File: BF115511.D

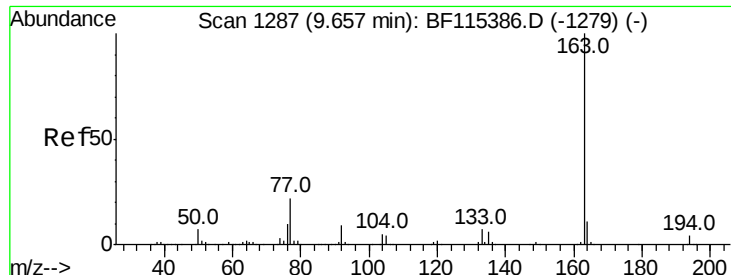
Acq: 11 Jul 2019 22:54

Tgt Ion:	172	Resp:	910192
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.8	44.8
170	24.6	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: 11.387 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF115511.D

Acq: 11 Jul 2019 22:54

Instrument :

BNA_F

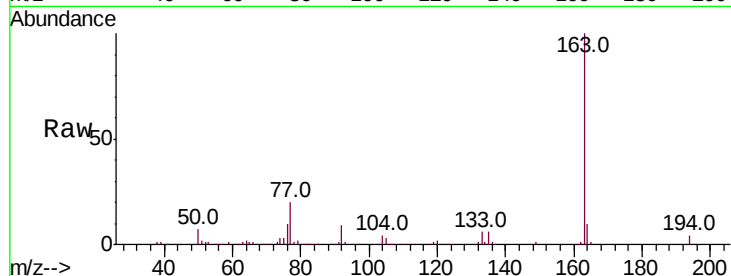
ClientSampleId :

COMP-24

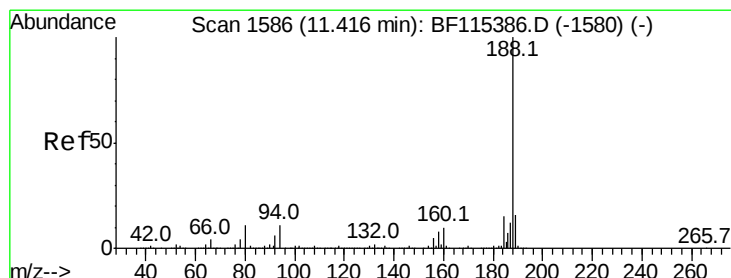
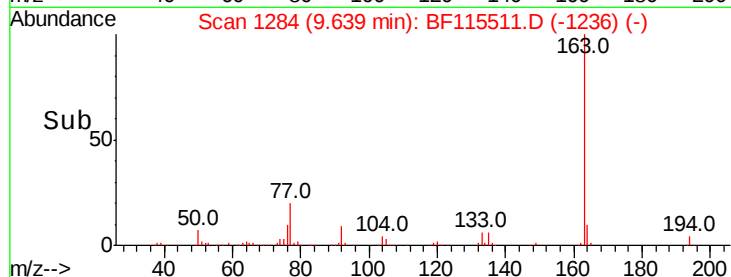
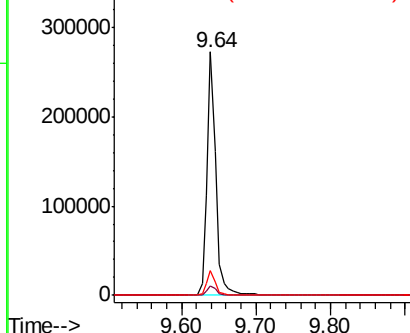
Tot Ion:	163	Resp:	226347
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.1	4.7
164	10.0	8.6	13.0

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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



#64

Phenanthrene-d10

Concen: 20.000 ng

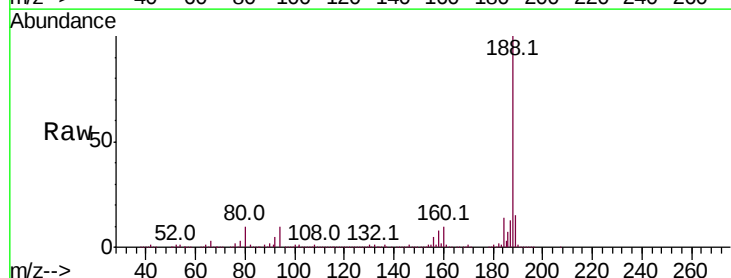
RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

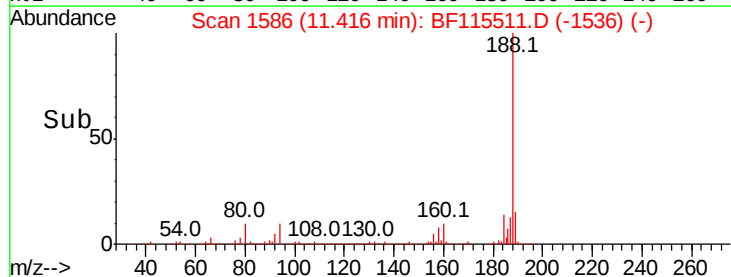
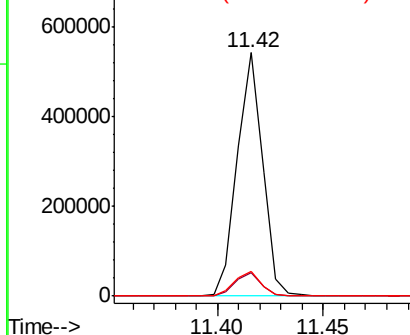
Lab File: BF115511.D

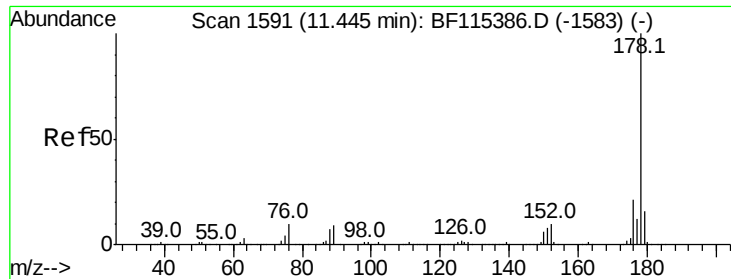
Acq: 11 Jul 2019 22:54

Tgt Ion:	188	Resp:	452460
Ion Ratio	Lower	Upper	
188	100		
94	9.7	7.8	11.8
80	10.1	8.4	12.6



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





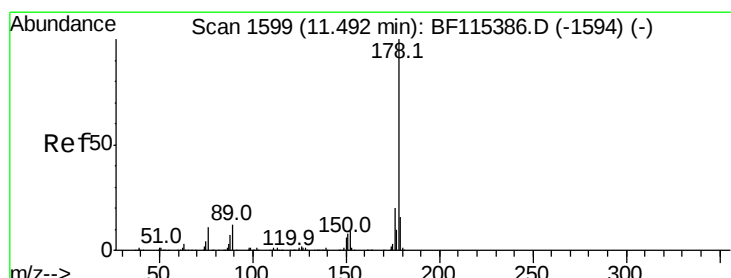
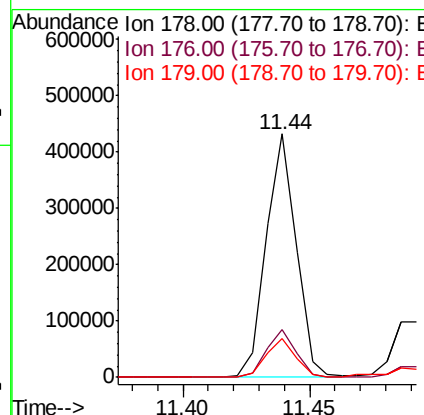
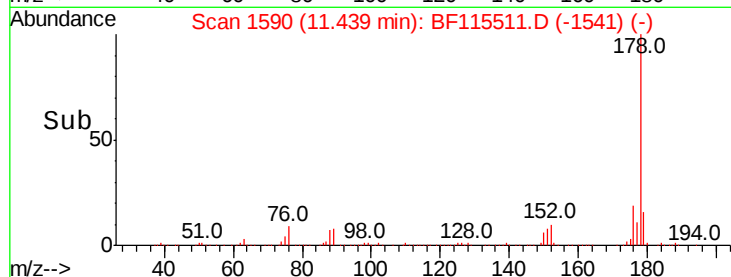
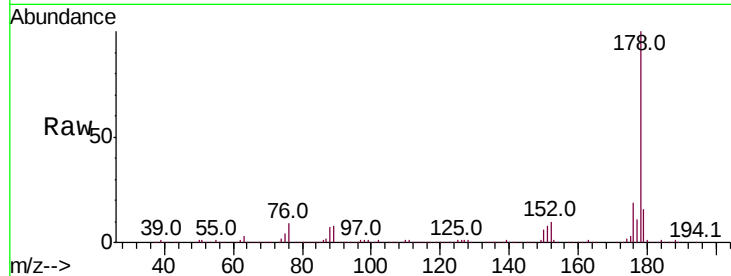
#71
Phenanthrene
Concen: 14.990 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF115511.D
Acq: 11 Jul 2019 22:54

Instrument :
BNA_F
ClientSampled :
COMP-24

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.6	24.8
179	15.7	12.7	19.1

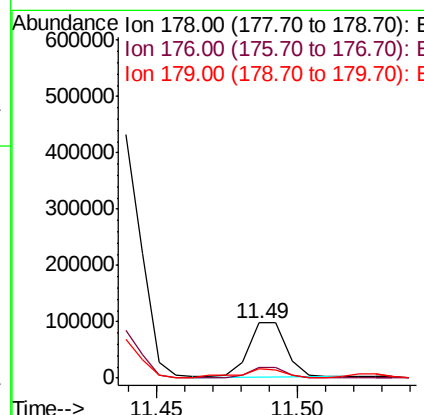
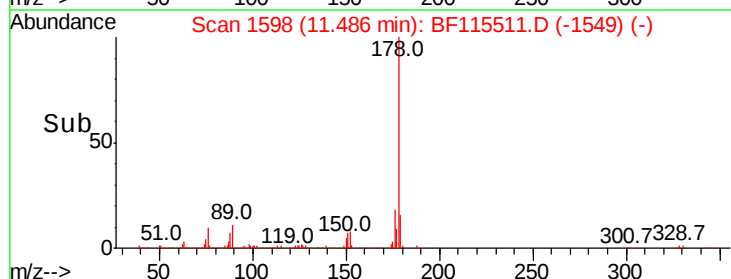
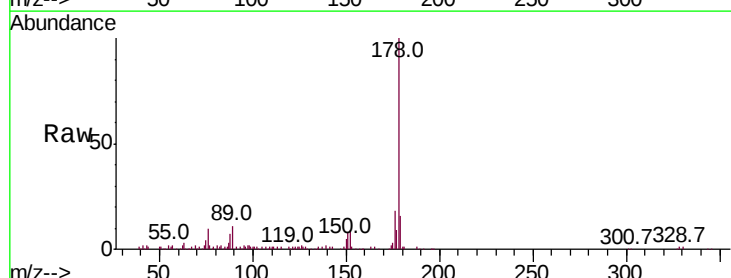
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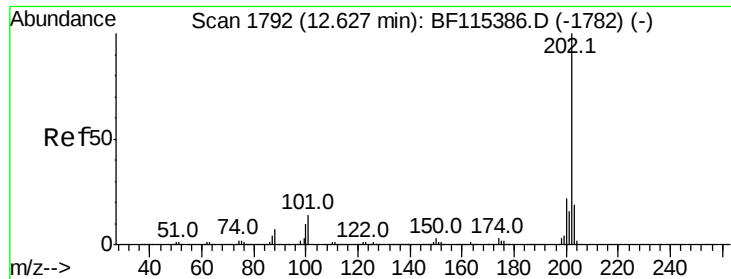
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#72
Anthracene
Concen: 3.752 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF115511.D
Acq: 11 Jul 2019 22:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.6
179	16.5	13.0	19.6





#75

Fluoranthene

Concen: 32.645 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF115511.D

Acq: 11 Jul 2019 22:54

Instrument :

BNA_F

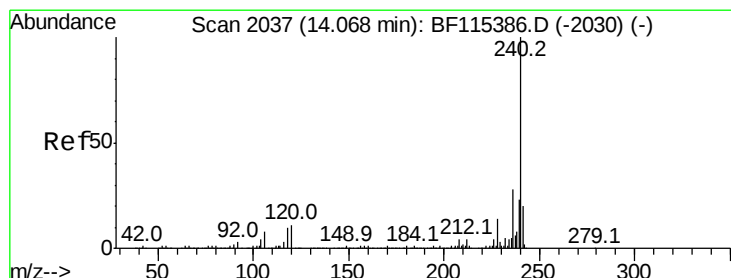
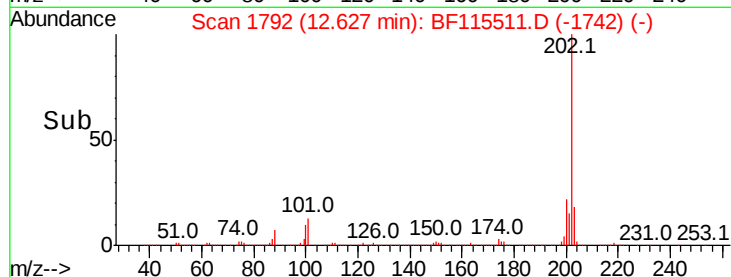
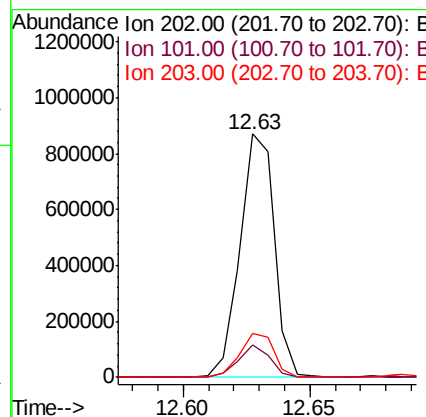
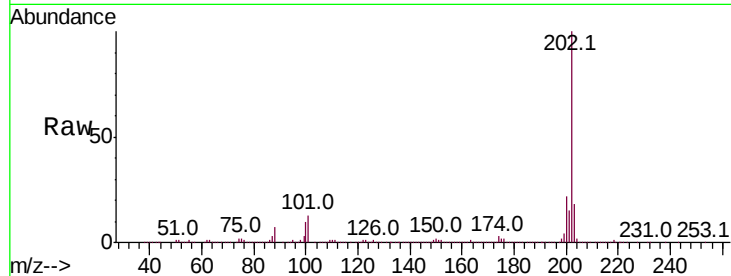
ClientSampled :

COMP-24

Tot Ion	Ratio	Resp	Lower	Upper
202	100	817921		
101	13.2	0.0	33.9	
203	18.1	0.0	38.4	

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#76

Chrysene-d12

Concen: 20.000 ng

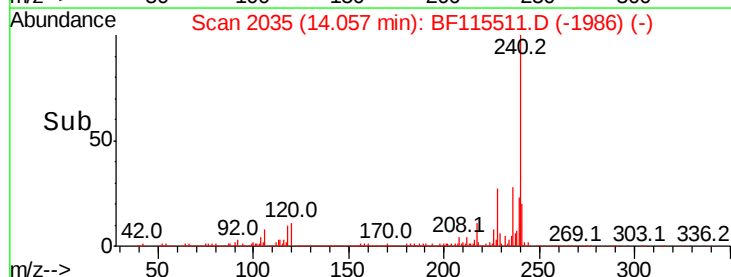
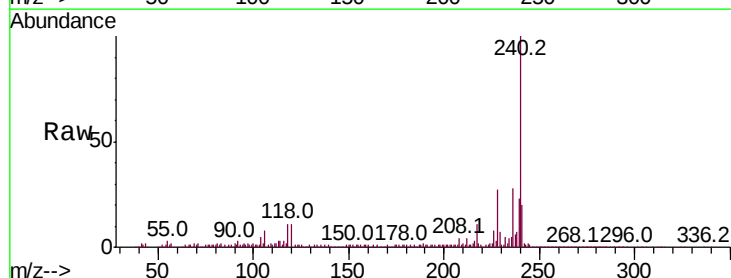
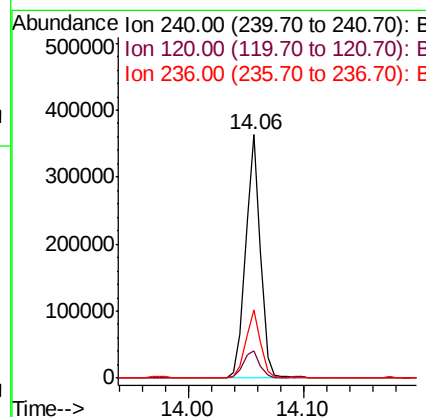
RT: 14.06 min Scan# 2035

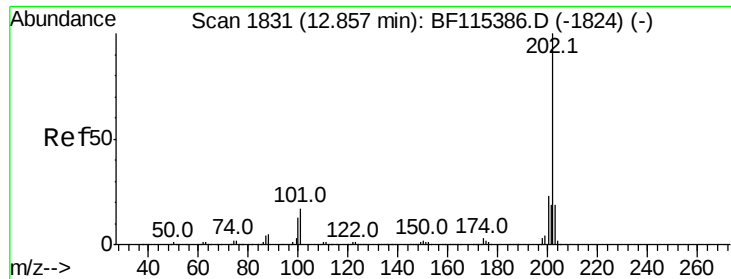
Delta R.T. -0.01 min

Lab File: BF115511.D

Acq: 11 Jul 2019 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	320925		
120	11.4	10.2	15.4	
236	28.0	21.1	31.7	





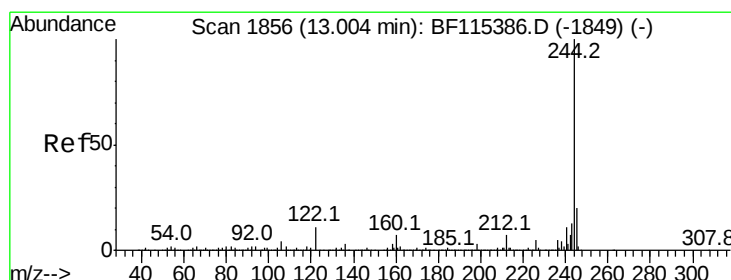
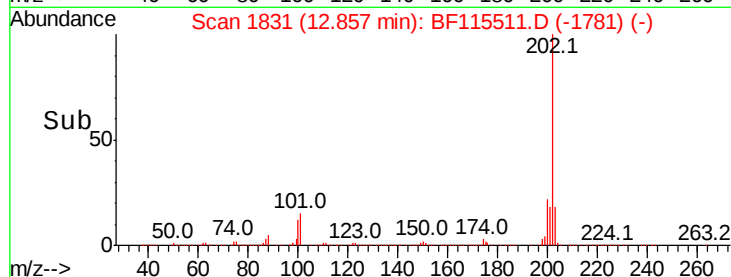
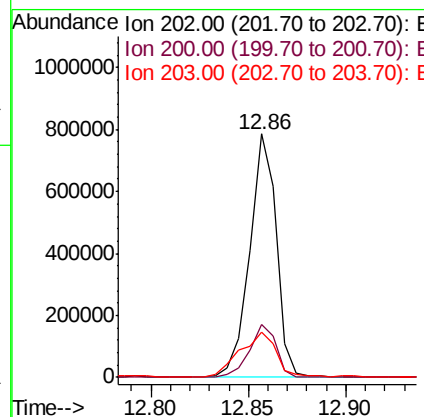
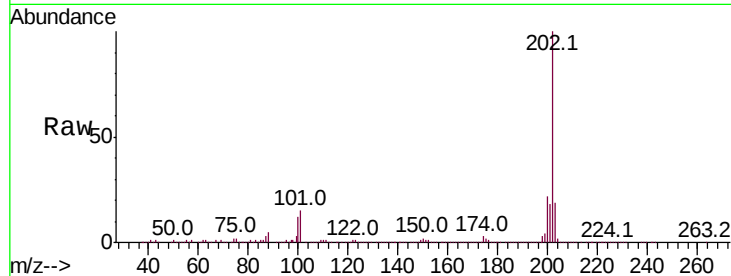
#78
Pvrene
Concen: 29.739 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF115511.D
Acq: 11 Jul 2019 22:54

Instrument :
BNA_F
ClientSampled :
COMP-24

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.9	17.6	26.4
203	18.5	14.7	22.1

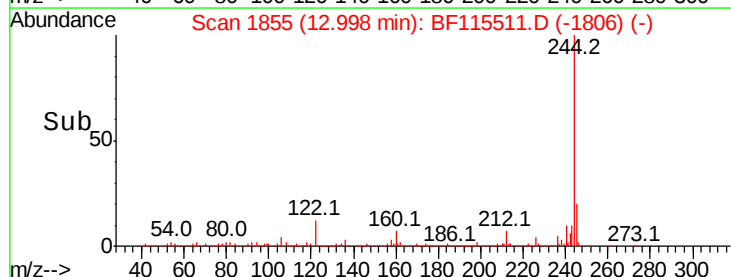
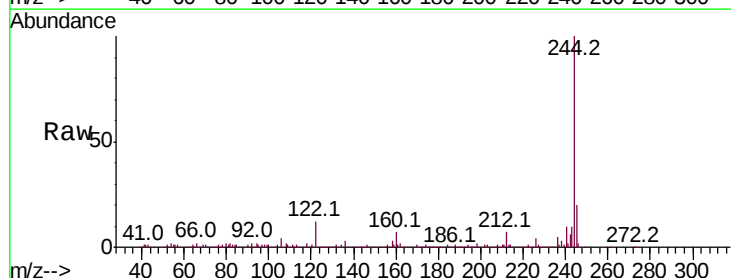
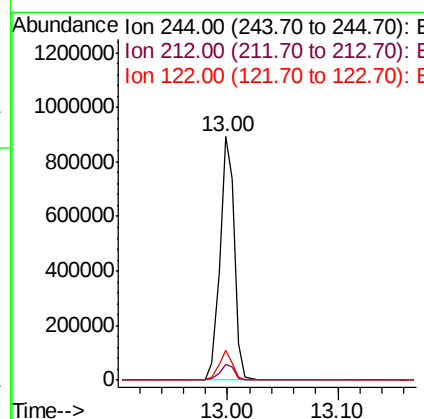
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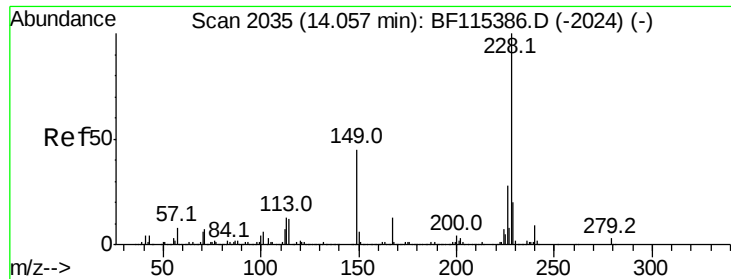
mohammad
7/12/2019 10:37:43 PM



#79
Terphenyl-d14
Concen: 50.817 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF115511.D
Acq: 11 Jul 2019 22:54

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.7	8.5
122	12.0	9.1	13.7





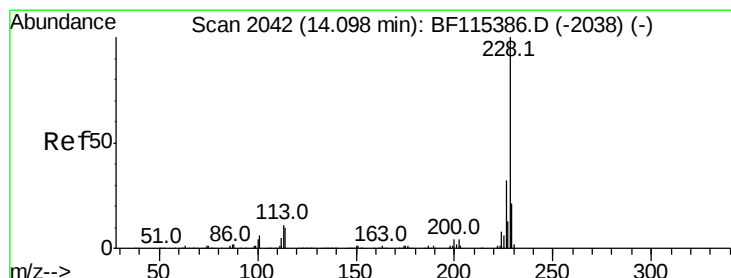
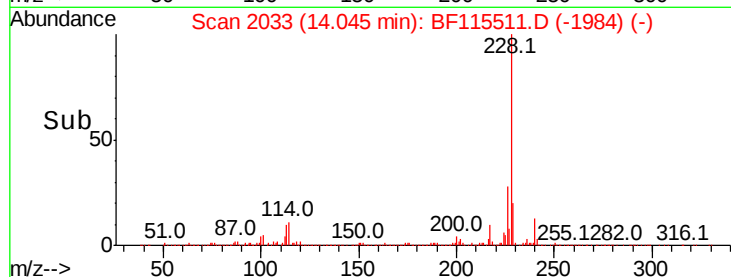
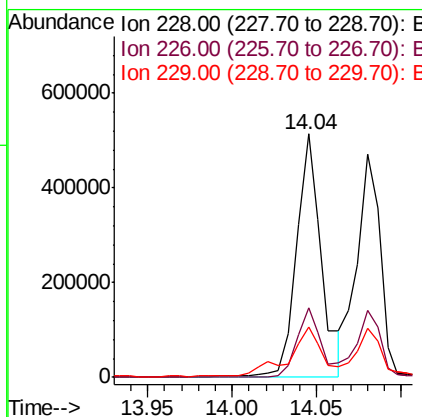
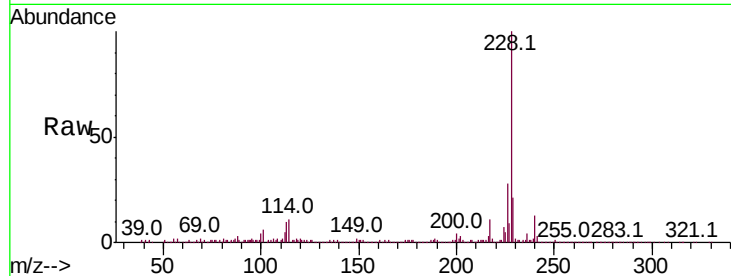
#81
Benzo(a)anthracene
Concen: 25.464 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115511.D
Acq: 11 Jul 2019 22:54

Instrument :
BNA_F
ClientSampleId :
COMP-24

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	34.0
229	20.7	16.4	24.6

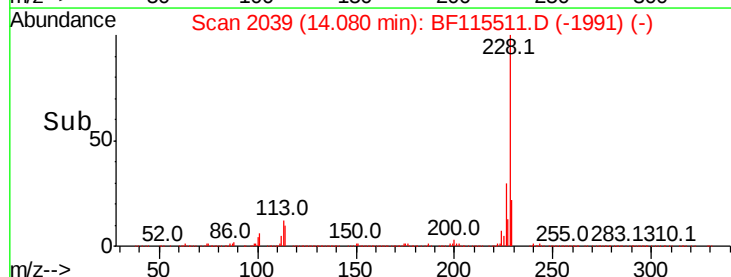
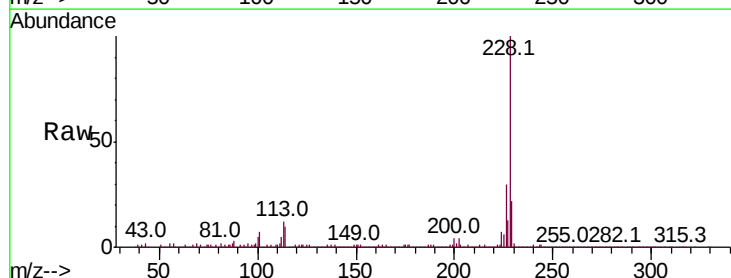
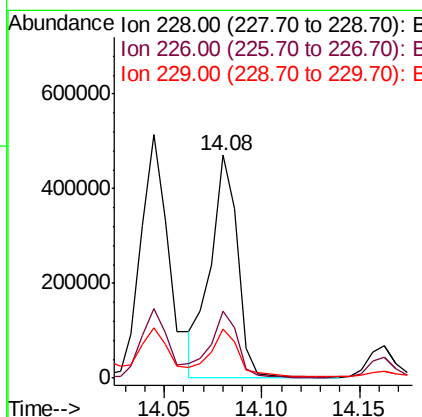
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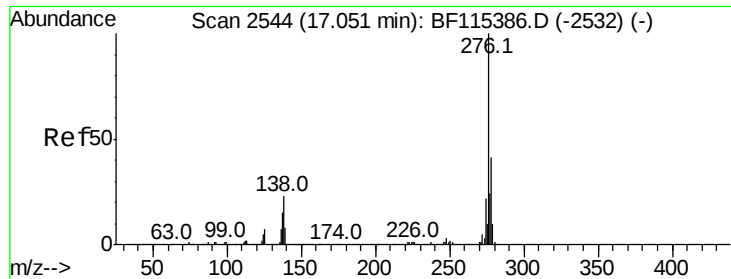
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#83
Chrysene
Concen: 21.468 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.02 min
Lab File: BF115511.D
Acq: 11 Jul 2019 22:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.1	37.7
229	22.3	16.1	24.1





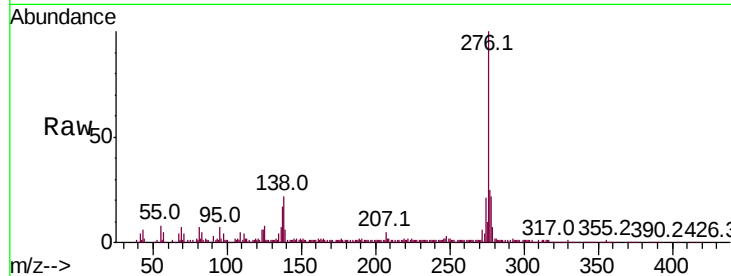
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.032 ng
RT: 17.02 min Scan# 2539
Delta R.T. -0.04 min
Lab File: BF115511.D
Acq: 11 Jul 2019 22:54

Instrument :
BNA_F
ClientSampleId :
COMP-24

Tot Ion	Ratio	Resp	Lower	Upper
276	100	222755		
138	21.5		20.6	31.0
277	23.5		20.2	30.2

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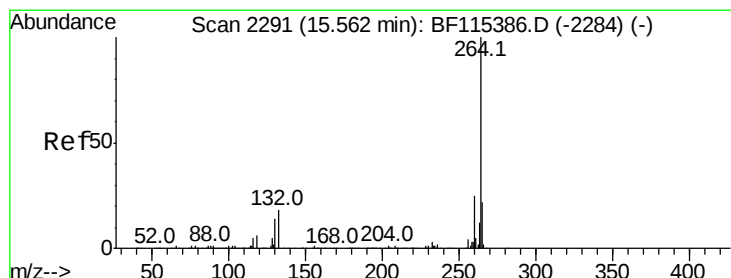
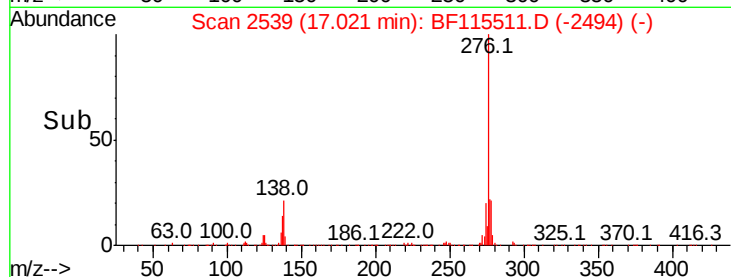
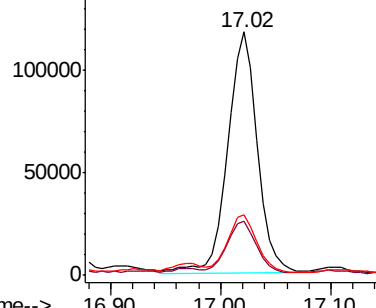


Abundance

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: 15.54 min Scan# 2287
Delta R.T. -0.02 min
Lab File: BF115511.D
Acq: 11 Jul 2019 22:54

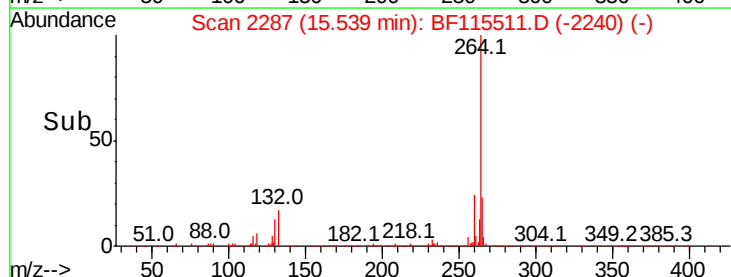
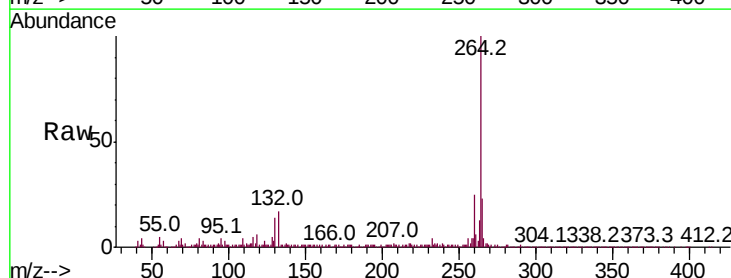
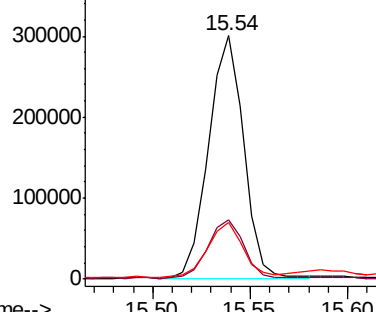
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	372313		
260	24.6		20.1	30.1
265	23.2		17.8	26.6

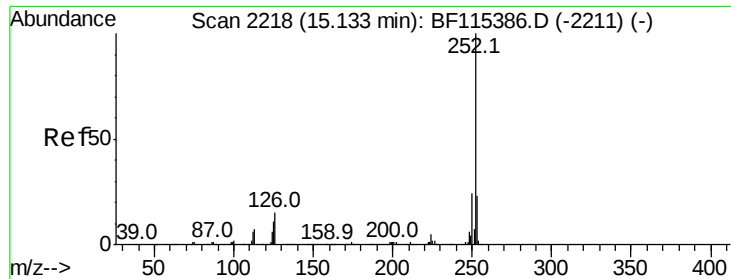
Abundance

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: 27.128 ng m

RT: 15.10 min Scan# 2213

Delta R.T. -0.03 min

Lab File: BF115511.D

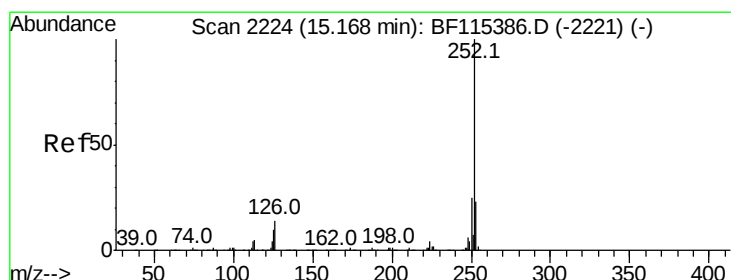
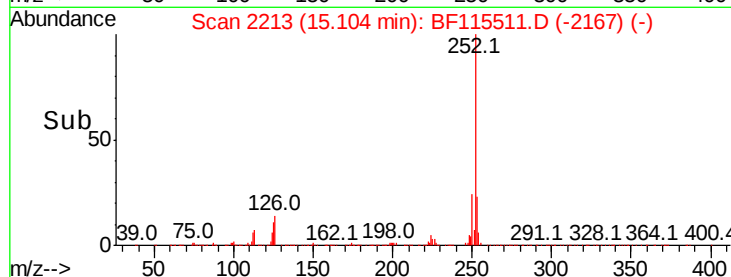
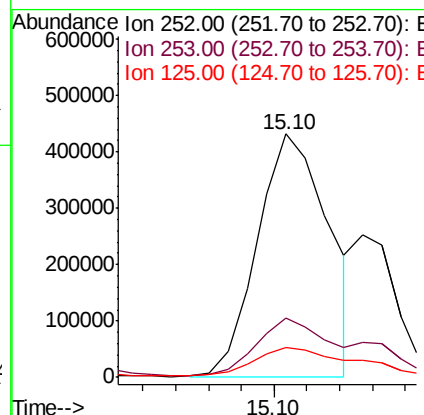
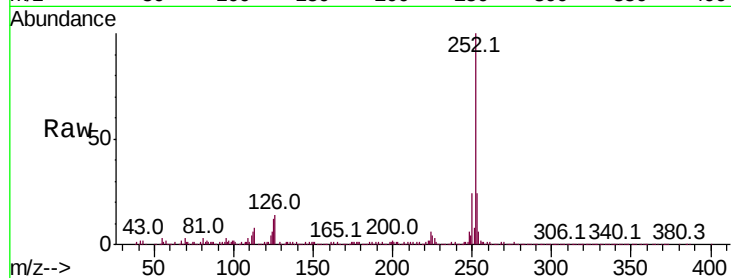
Acq: 11 Jul 2019 22:54

Instrument :
BNA_F
ClientSampleId :
COMP-24

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	12.1	8.5	12.7

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#89

Benzo(k)fluoranthene

Concen: 10.533 ng m

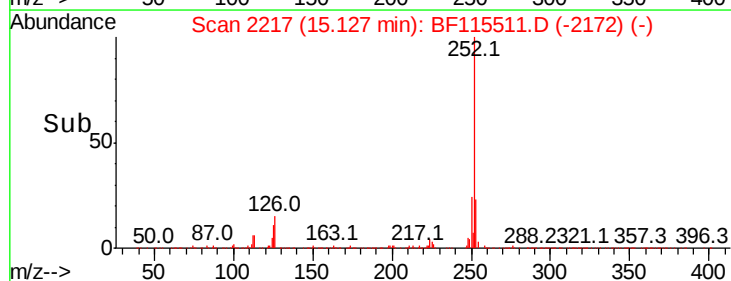
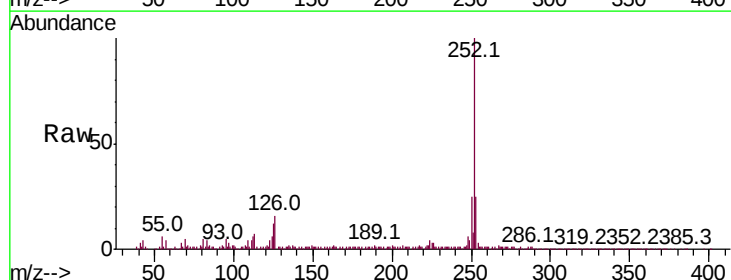
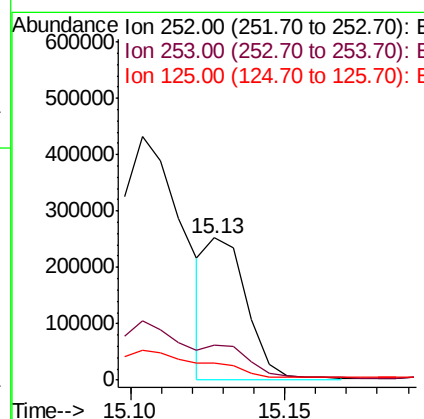
RT: 15.13 min Scan# 2217

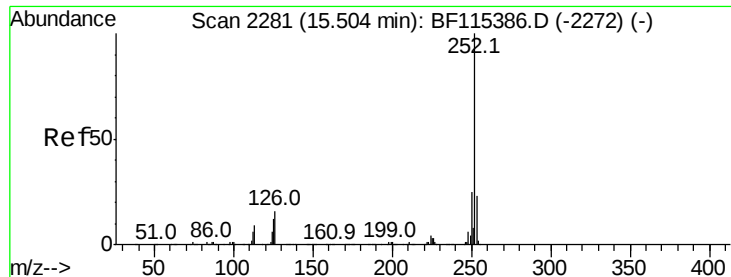
Delta R.T. -0.04 min

Lab File: BF115511.D

Acq: 11 Jul 2019 22:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	12.0	8.6	13.0





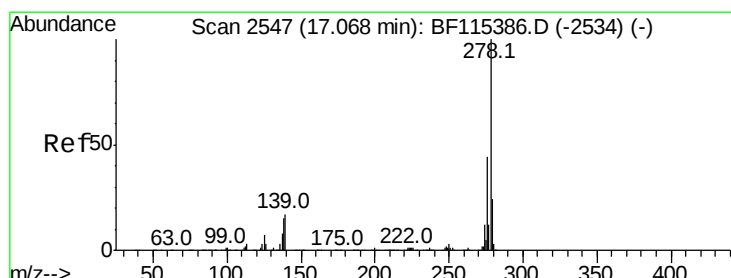
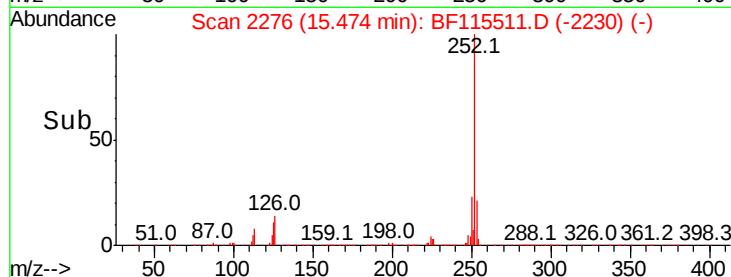
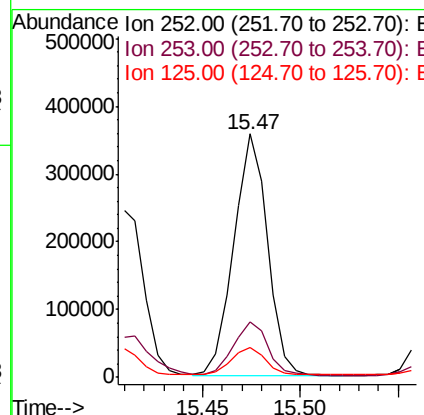
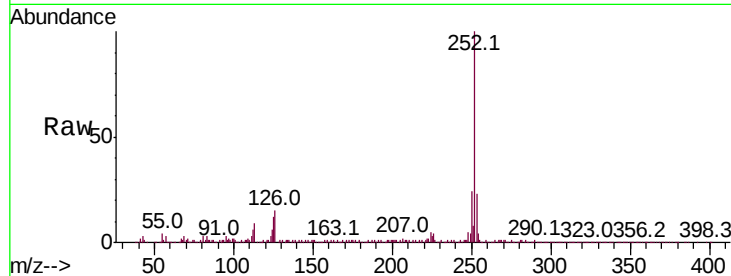
#90
Benzo(a)pyrene
Concen: 20.525 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.03 min
Lab File: BF115511.D
Acq: 11 Jul 2019 22:54

Instrument :
BNA_F
ClientSampleId :
COMP-24

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	12.3	9.7	14.5

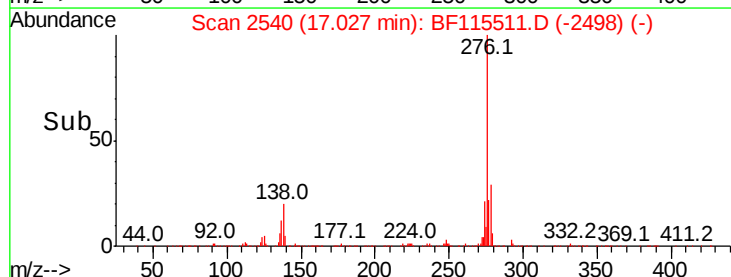
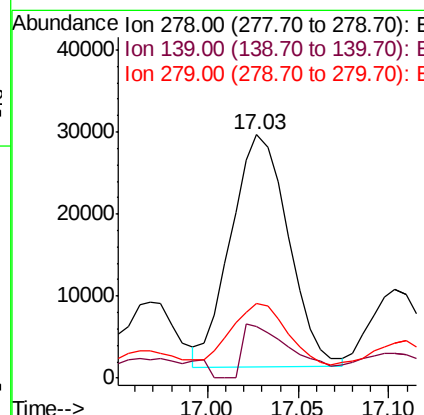
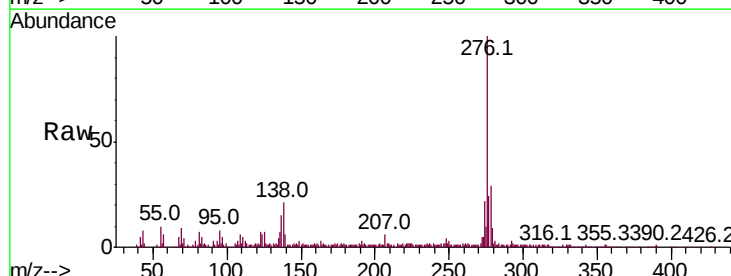
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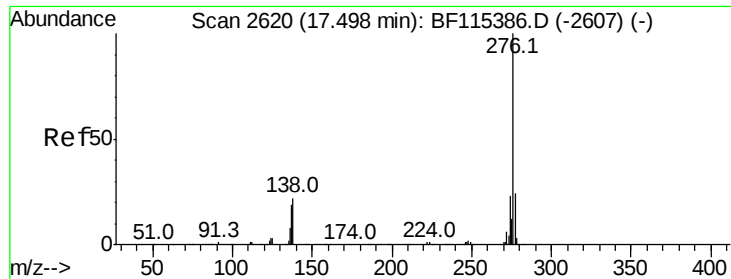
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#91
Dibenzo(a,h)anthracene
Concen: 3.513 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.05 min
Lab File: BF115511.D
Acq: 11 Jul 2019 22:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.4	13.0	19.6#
279	30.7	19.4	29.2#





#92
 Benzo(a,h,i)perylene
 Concen: 11.541 ng
 RT: 17.47 min Scan# 2615
 Delta R.T. -0.04 min
 Lab File: BF115511.D
 Acq: 11 Jul 2019 22:54

Instrument :
 BNA_F
 ClientSampleId :
 COMP-24

Tot Ion:	276	Resp:	195165
Ion Ratio	Lower	Upper	
276	100		
277	25.5	18.8	28.2
138	22.1	17.8	26.8

Manual Integrations
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