

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071119\
 Data File : BF115513.D
 Acq On : 11 Jul 2019 23:48
 Operator : HP/JU
 Sample : K3740-04 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-23

Manual Integrations
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Quant Time: Jul 12 07:11:46 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	153942	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	600871	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	284504	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	478146	20.00	ng	0.00
76) Chrysene-d12	14.06	240	366111	20.00	ng	0.00
87) Perylene-d12	15.54	264	325250	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	447583	44.92	ng	-0.01
7) Phenol-d6	6.52	99	604125	47.67	ng	0.00
23) Nitrobenzene-d5	7.45	82	358548	35.26	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	108472	34.48	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	706541	43.58	ng	0.00
79) Terphenyl-d14	13.00	244	662308	37.04	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.64	163	174281	8.162	ng	99
52) Acenaphthene	9.96	154	79463	4.511	ng	99
55) Dibenzofuran	10.13	168	49910	2.012	ng	96
58) Fluorene	10.48	166	78594	4.018	ng	100
71) Phenanthrene	11.44	178	766931	30.498	ng	98
72) Anthracene	11.49	178	234277	9.291	ng	98
73) Carbazole	11.64	167	79998	3.468	ng	100
75) Fluoranthene	12.63	202	1177281	44.463	ng	99
78) Pyrene	12.86	202	1087691	38.204	ng	100
81) Benzo(a)anthracene	14.05	228	624799	26.635	ng	98
83) Chrysene	14.09	228	536629	22.264	ng	96
86) Indeno(1,2,3-cd)pyrene	17.03	276	216608	5.845	ng	93
88) Benzo(b)fluoranthene	15.11	252	626845m	29.601	ng	
89) Benzo(k)fluoranthene	15.13	252	204099m	10.837	ng	
90) Benzo(a)pyrene	15.48	252	409246	22.406	ng	96
91) Dibenzo(a,h)anthracene	17.04	278	57565	3.688	ng	# 87
92) Benzo(a,h,i)perylene	17.48	276	194519	13.167	ng	98

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

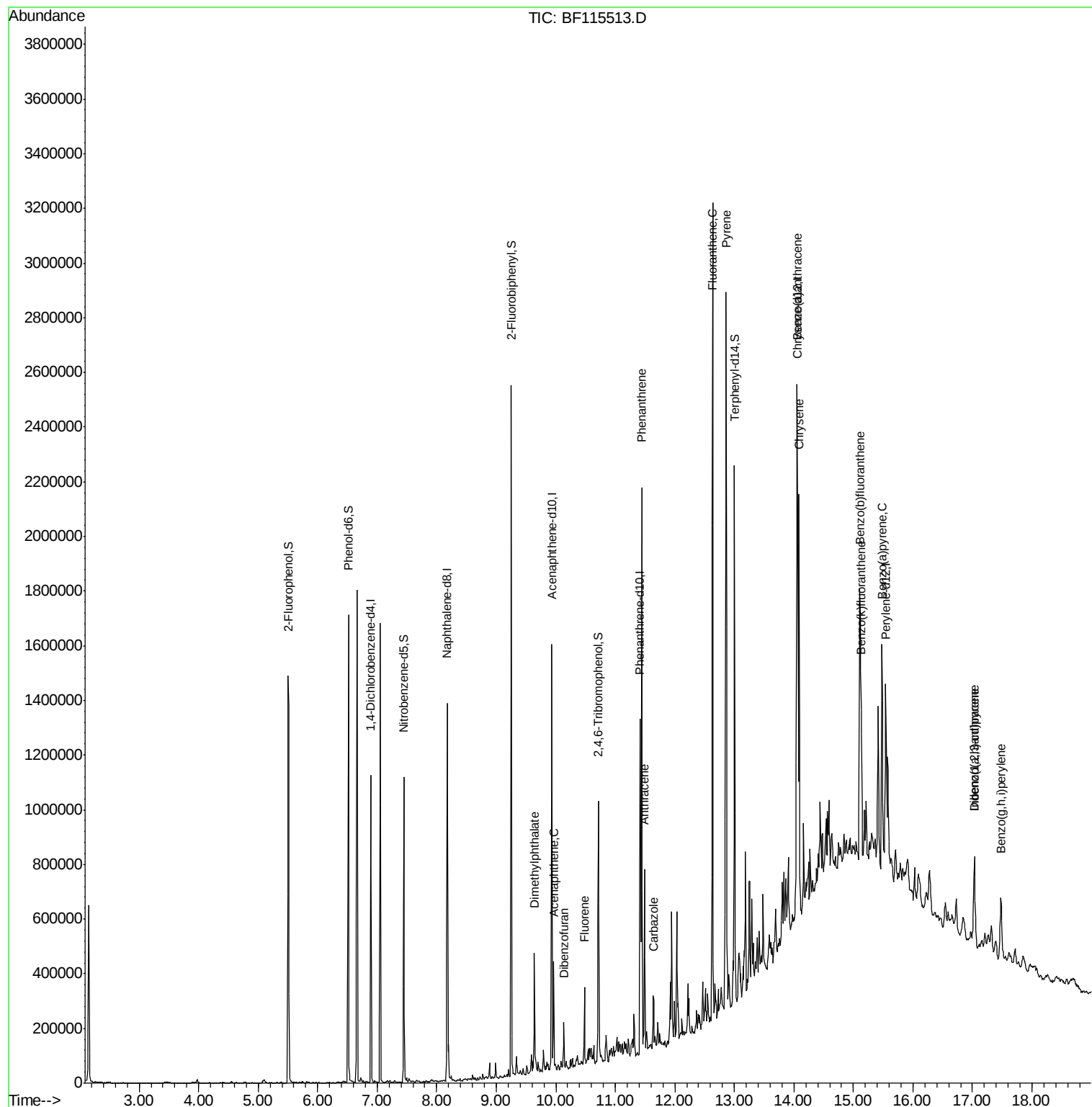
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071119\
Data File : BF115513.D
Acq On : 11 Jul 2019 23:48
Operator : HP/JU
Sample : K3740-04 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

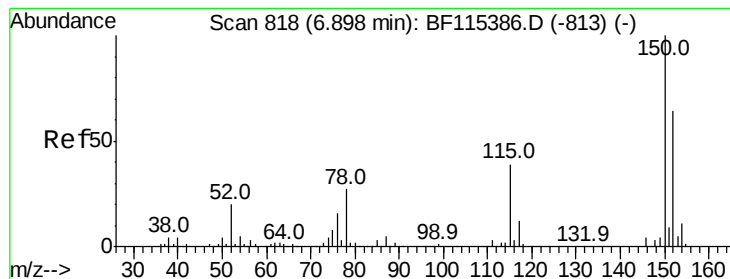
Instrument :
BNA_F
ClientSampled :
COMP-23

Quant Time: Jul 12 07:11:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
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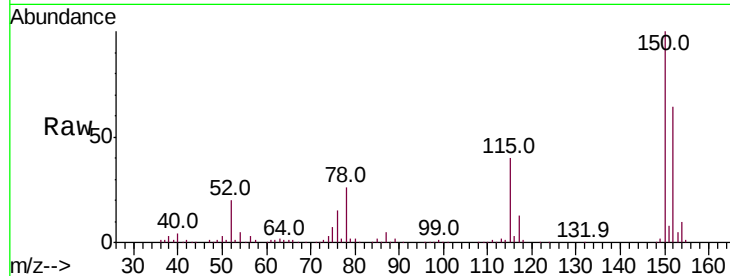
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF115513.D
 Acq: 11 Jul 2019 23:48

Instrument :
 BNA_F
 ClientSampleId :
 COMP-23

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	127.4	191.2
115	62.3	46.2	69.4

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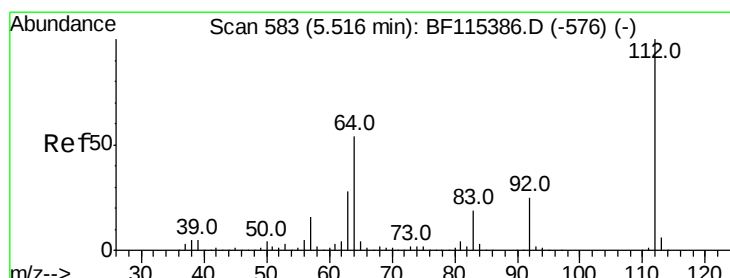
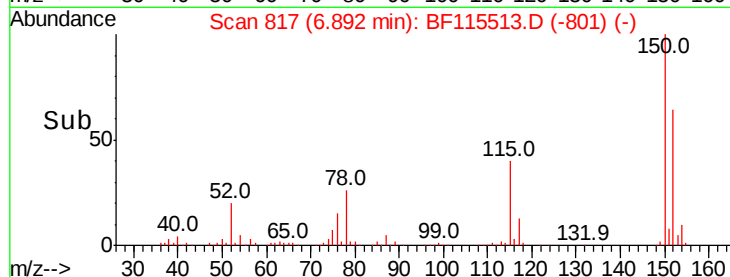
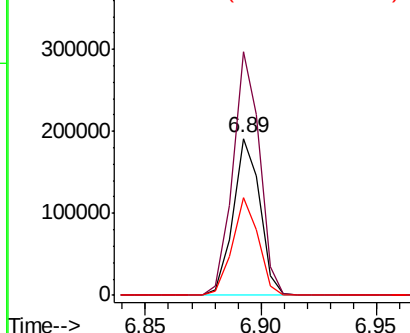


Abundance

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: 44.921 ng
 RT: 5.50 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: BF115513.D
 Acq: 11 Jul 2019 23:48

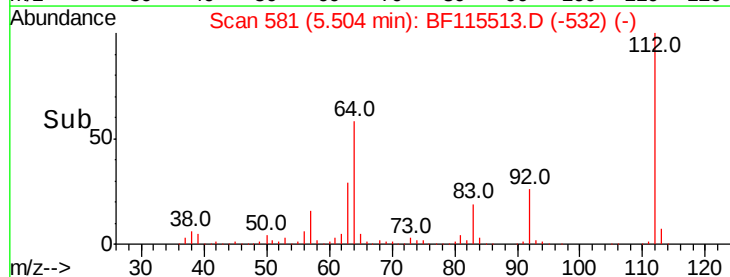
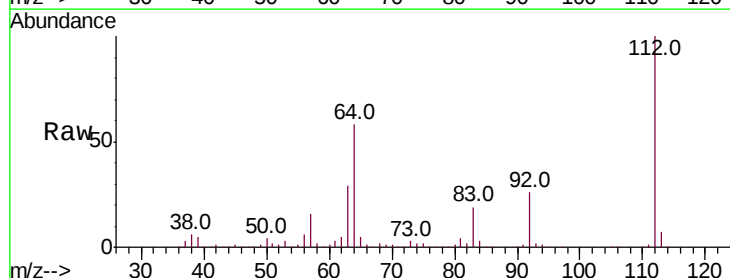
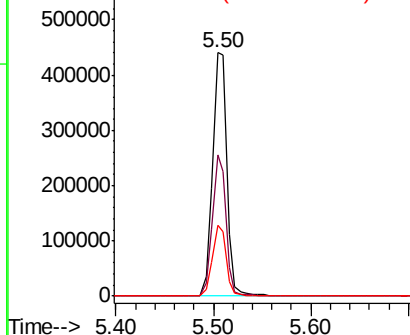
Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	44.2	66.2
63	29.2	22.1	33.1

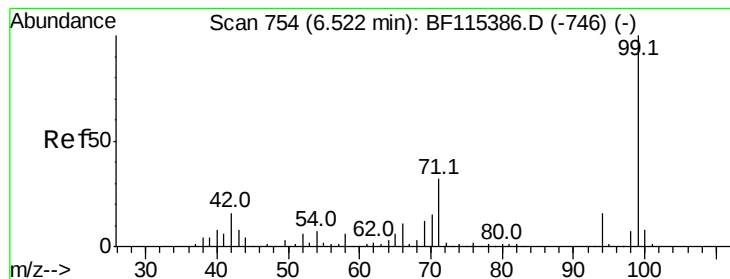
Abundance

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: 47.675 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF115513.D

Acq: 11 Jul 2019 23:48

Instrument :

BNA_F

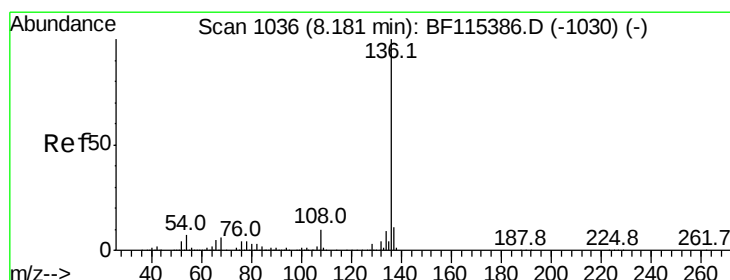
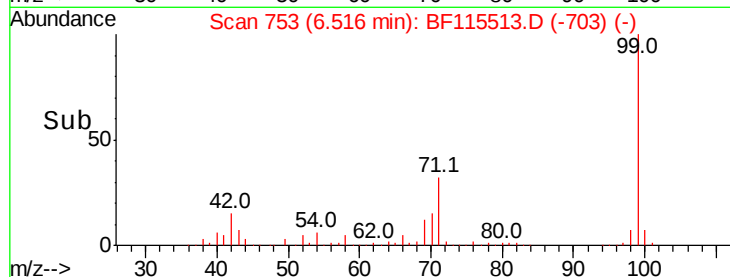
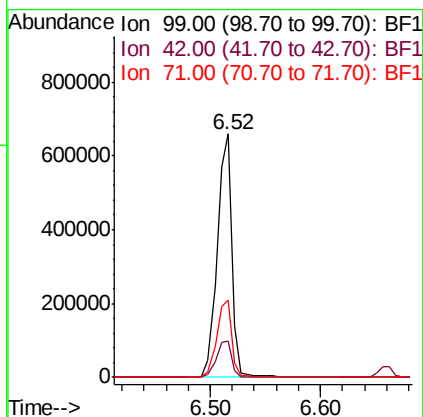
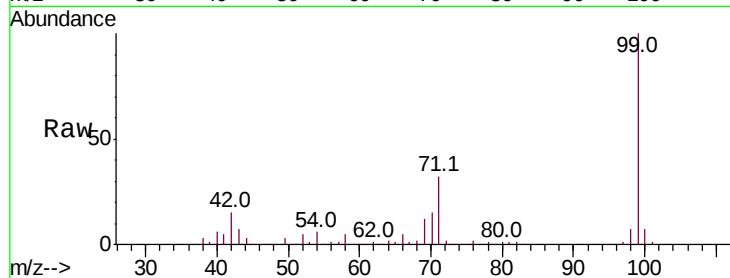
ClientSampleId :

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Tot Ion:	99	Resp:	604125
Ion Ratio	Lower	Upper	
99	100		
42	14.8	12.8	19.2
71	32.0	26.5	39.7

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#21

Naphthalene-d8

Concen: 20.000 ng

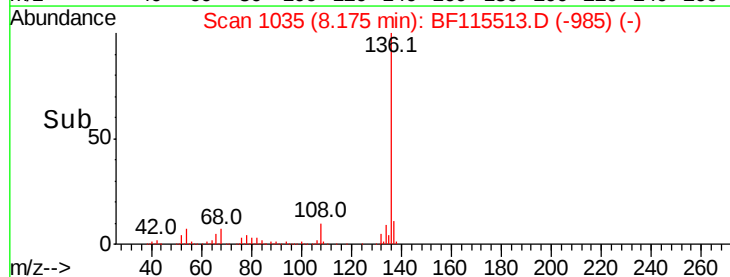
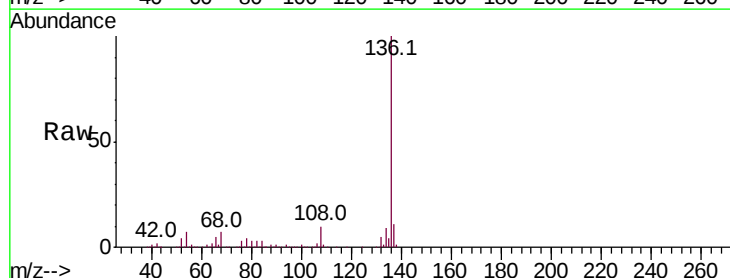
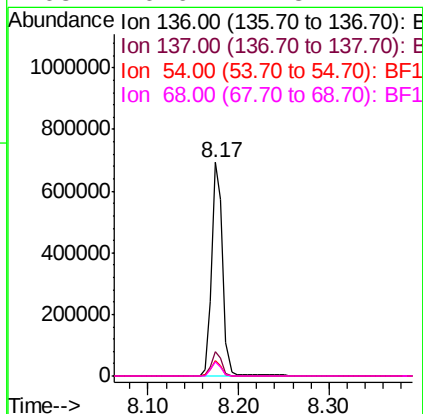
RT: 8.17 min Scan# 1035

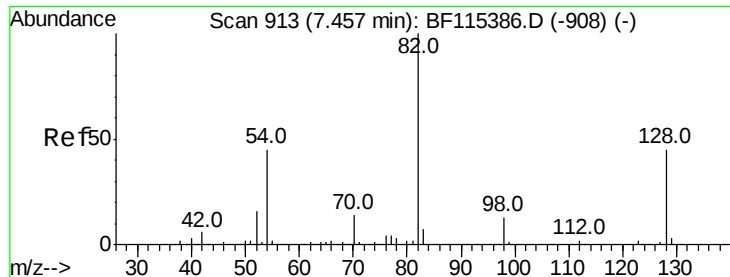
Delta R.T. -0.01 min

Lab File: BF115513.D

Acq: 11 Jul 2019 23:48

Tgt Ion:	136	Resp:	600871
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.8	13.2
54	7.3	5.4	8.0
68	6.6	4.8	7.2





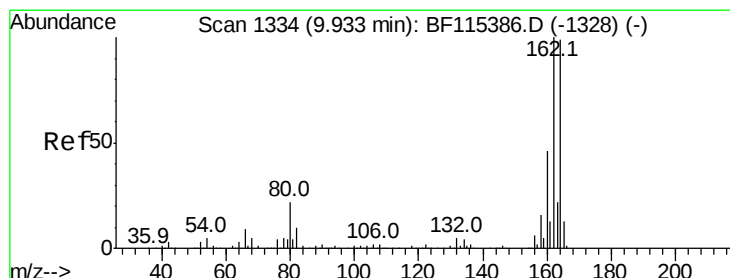
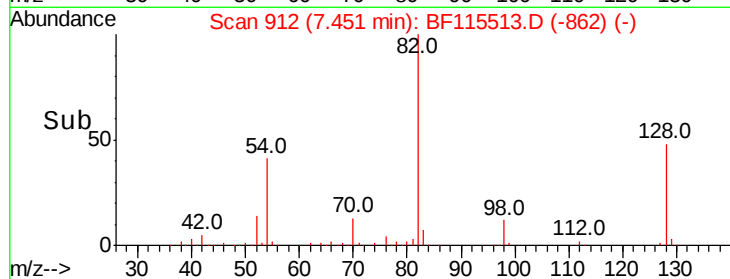
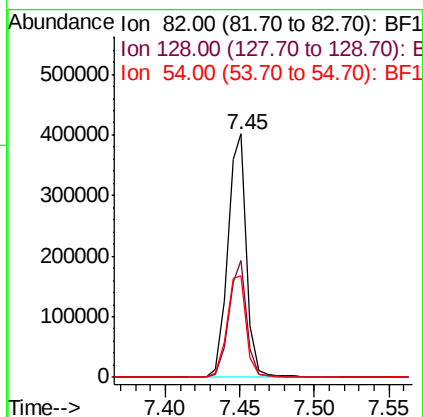
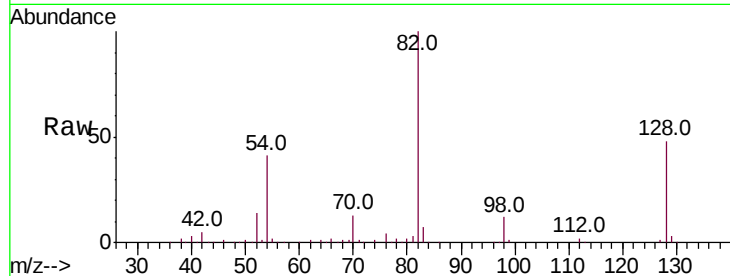
#23
Nitrobenzene-d5
Concen: 35.256 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF115513.D
Acq: 11 Jul 2019 23:48

Instrument :
BNA_F
ClientSampled :
COMP-23

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.2	36.7	55.1
54	41.5	35.6	53.4

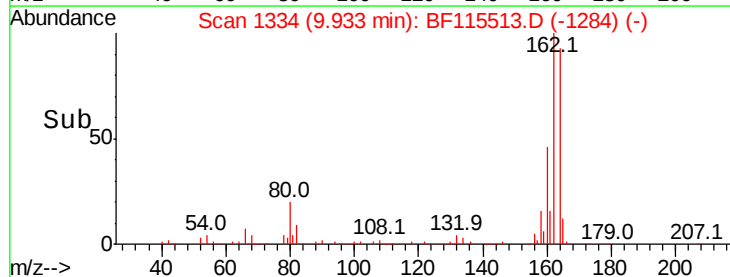
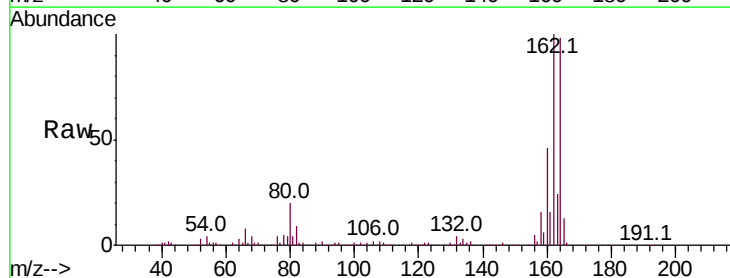
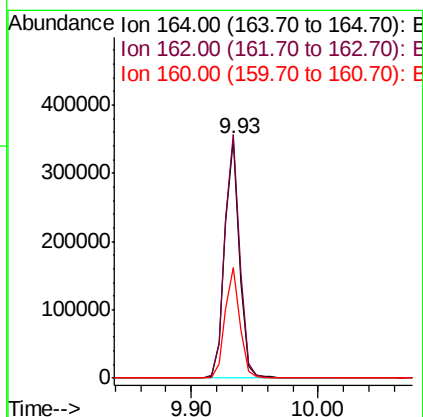
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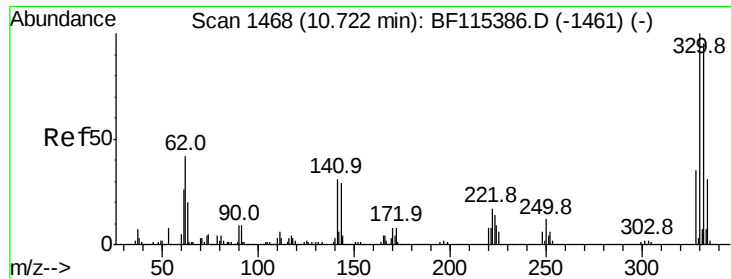
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF115513.D
Acq: 11 Jul 2019 23:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.3	123.5
160	46.5	37.2	55.8





#42

2,4,6-Tribromophenol

Concen: 34.483 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF115513.D

Acq: 11 Jul 2019 23:48

Instrument :

BNA_F

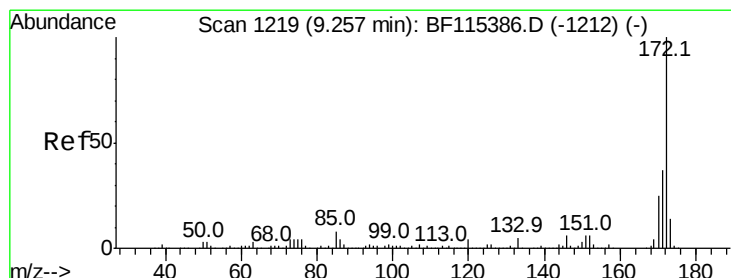
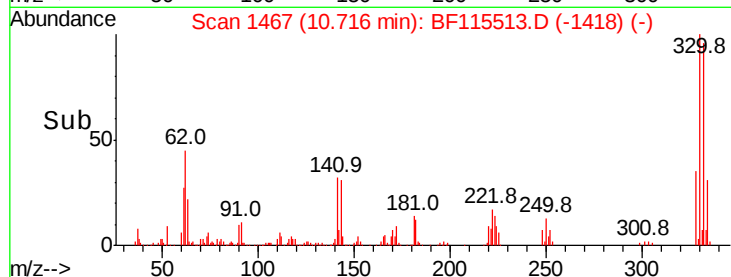
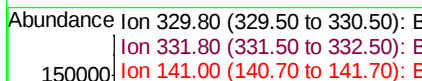
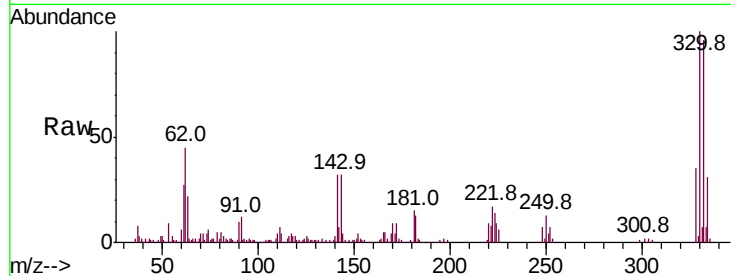
ClientSampleId :

COMP-23

Tot Ion:	330	Resp:	108472
Ion Ratio	Lower	Upper	
330	100		
332	96.1	77.4	116.0
141	31.3	24.7	37.1

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#45

2-Fluorobiphenyl

Concen: 43.578 ng

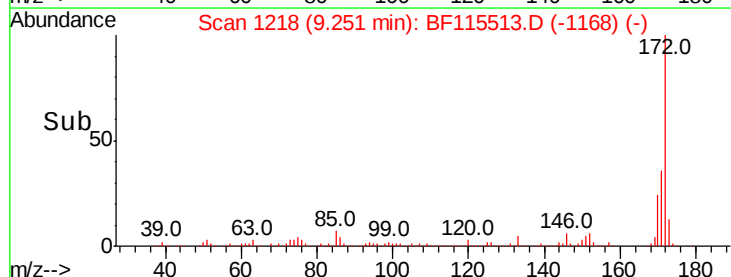
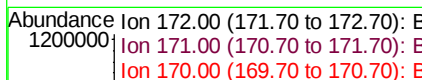
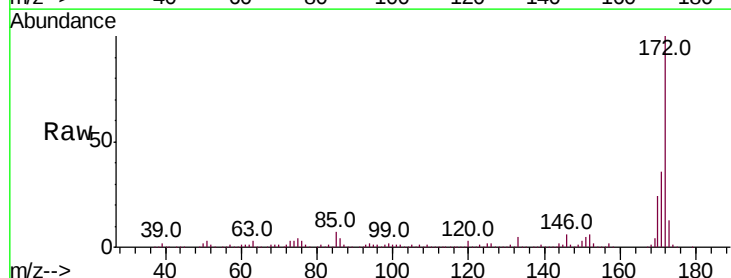
RT: 9.25 min Scan# 1218

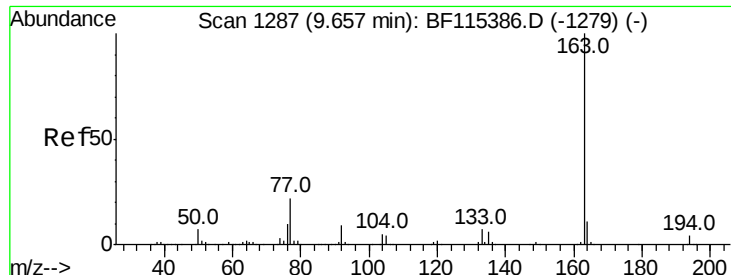
Delta R.T. -0.01 min

Lab File: BF115513.D

Acq: 11 Jul 2019 23:48

Tgt Ion:	172	Resp:	706541
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.8	44.8
170	24.2	20.0	30.0





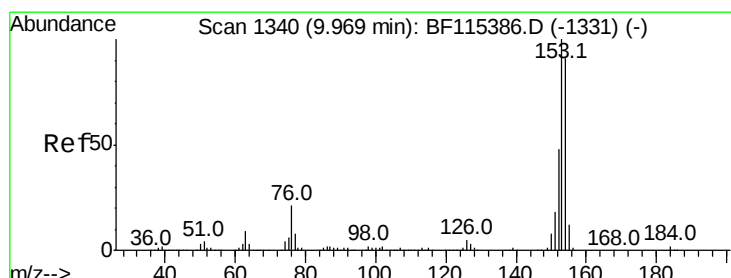
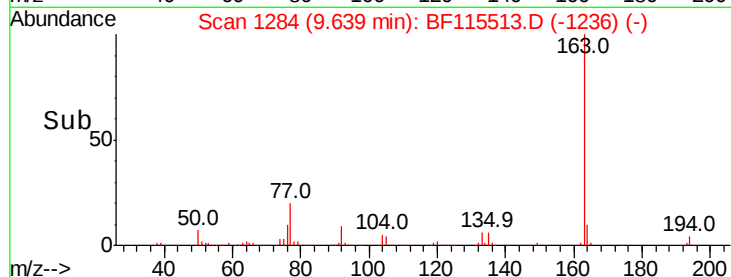
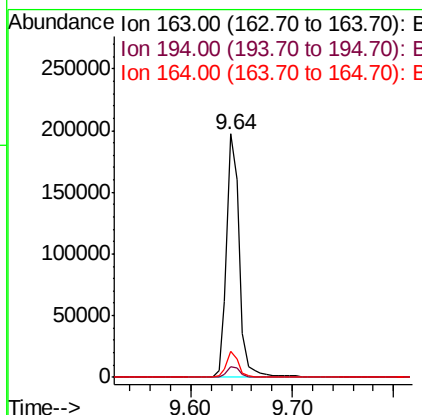
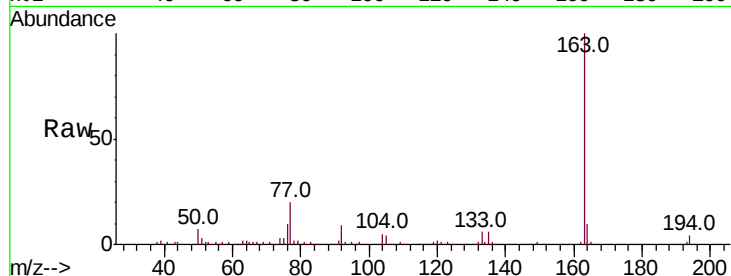
#50
Dimethylphthalate
Concen: 8.162 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF115513.D
Acq: 11 Jul 2019 23:48

Instrument :
BNA_F
ClientSampled :
COMP-23

Tot Ion	Ratio	Resp	Lower	Upper
163	100	174281		
194	4.2	3.1	4.7	
164	10.5	8.6	13.0	

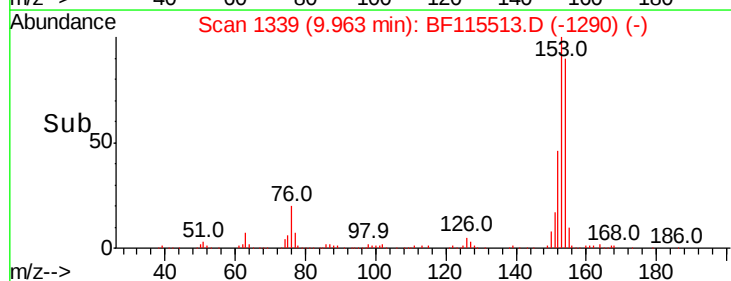
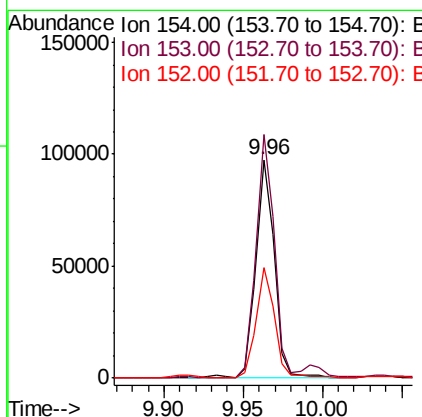
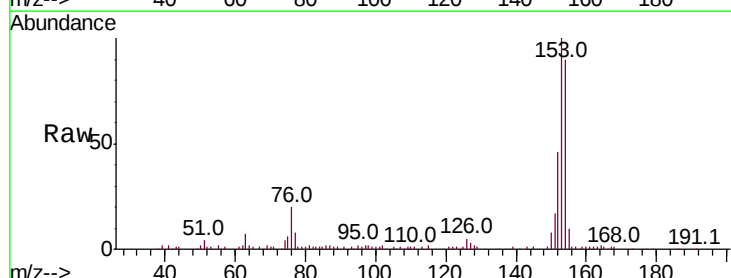
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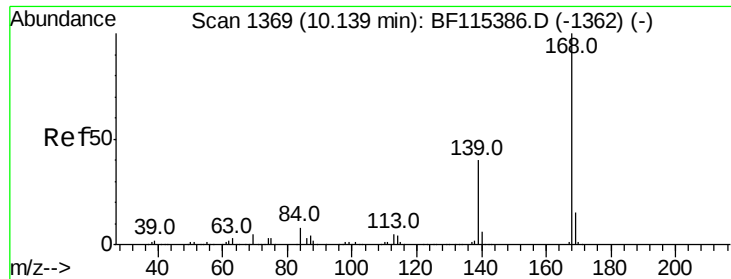
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#52
Acenaphthene
Concen: 4.511 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF115513.D
Acq: 11 Jul 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	79463		
153	111.7	89.8	134.8	
152	50.9	41.4	62.0	





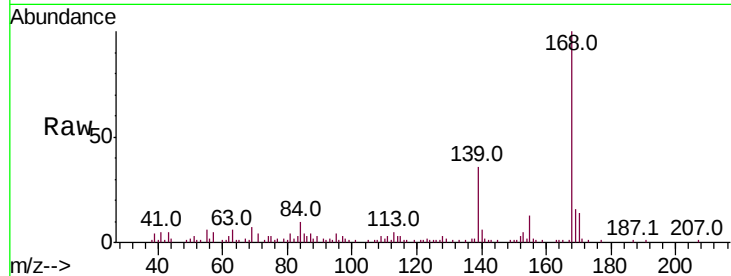
#55
Dibenzofuran
Concen: 2.012 ng
RT: 10.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BF115513.D
Acq: 11 Jul 2019 23:48

Instrument :
BNA_F
ClientSampleId :
COMP-23

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.0	30.6	46.0
169	16.0	11.0	16.6

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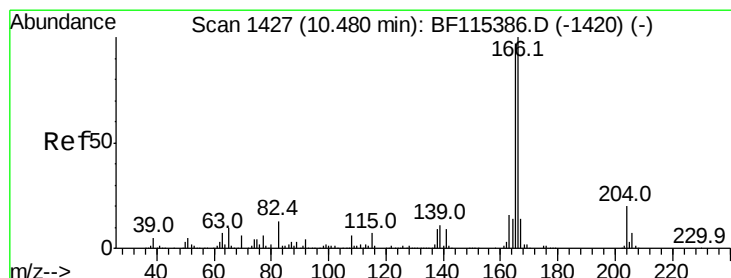
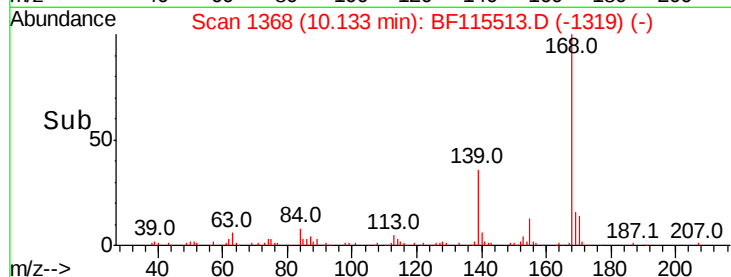
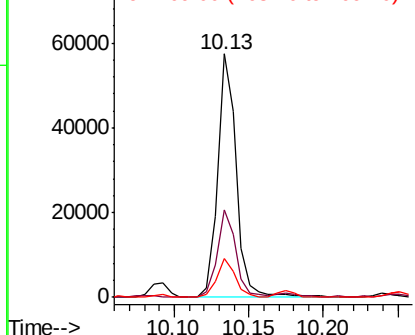


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 4.018 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF115513.D
Acq: 11 Jul 2019 23:48

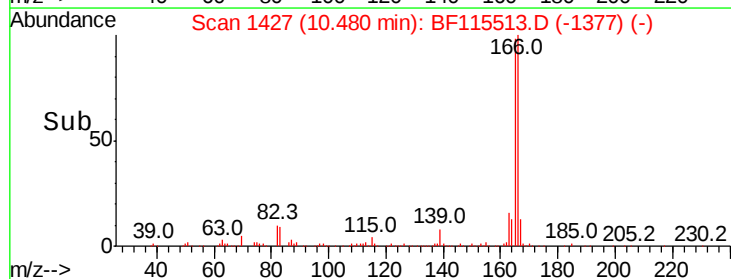
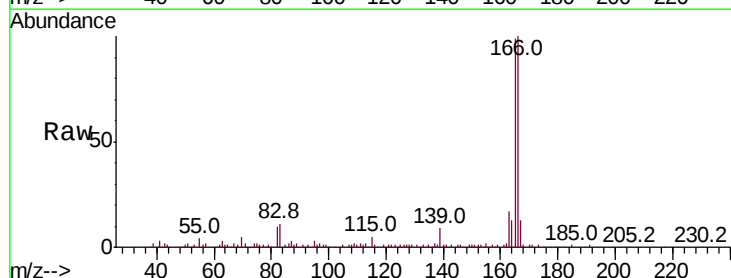
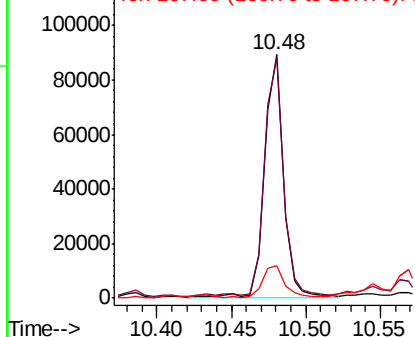
Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.7	118.1
167	13.2	10.8	16.2

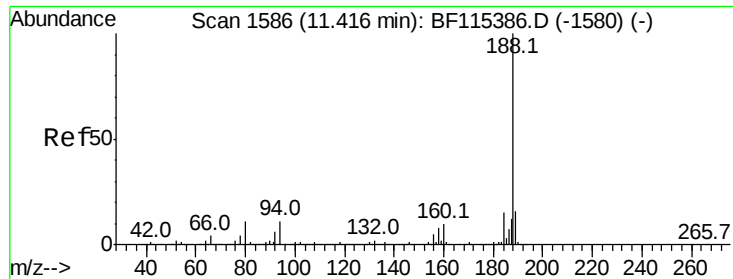
Abundance

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





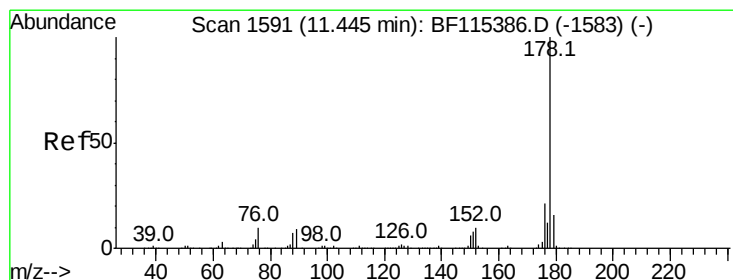
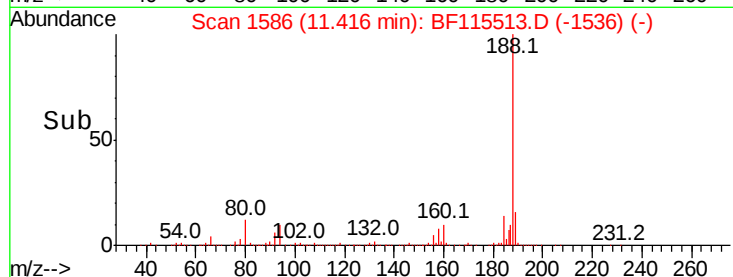
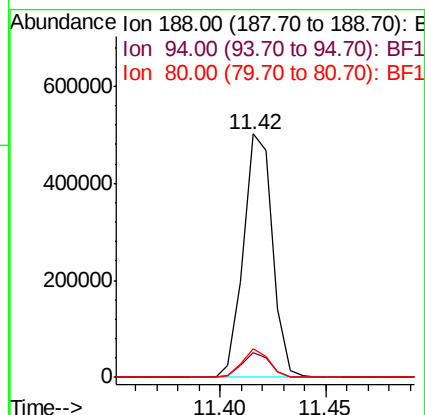
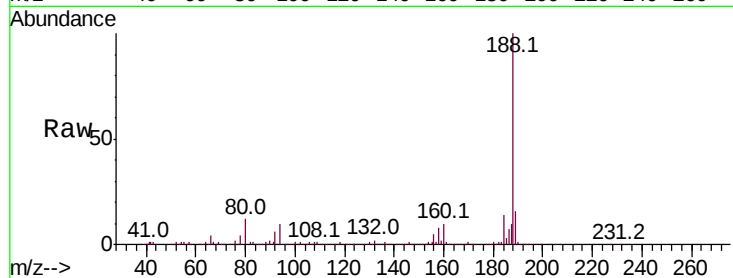
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF115513.D
Acq: 11 Jul 2019 23:48

Instrument :
BNA_F
ClientSampleId :
COMP-23

Tot Ion	Ratio	Resp	Lower	Upper
188	100	478146		
94	10.4		7.8	11.8
80	11.8		8.4	12.6

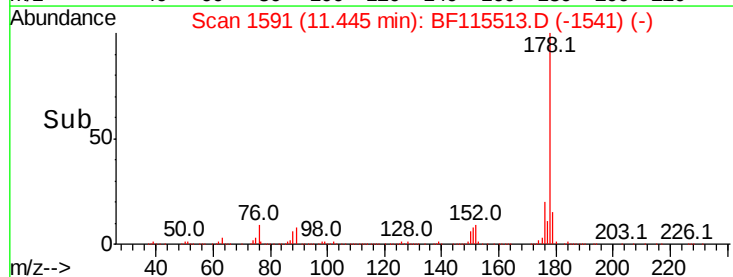
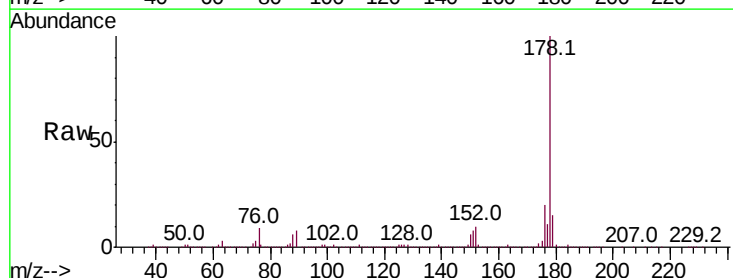
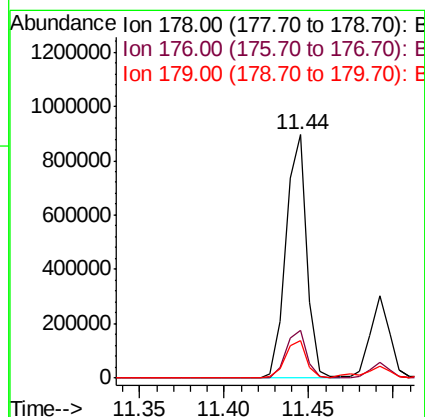
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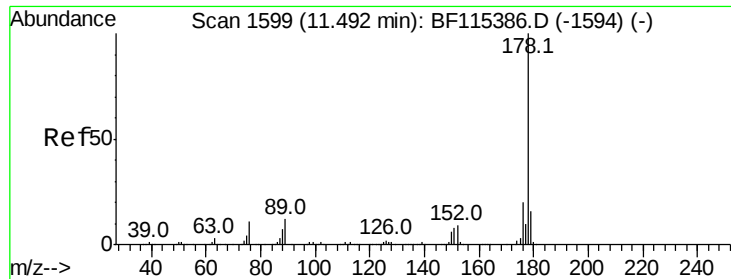
mohammad
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#71
Phenanthrene
Concen: 30.498 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF115513.D
Acq: 11 Jul 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	766931		
176	19.6		16.6	24.8
179	15.3		12.7	19.1





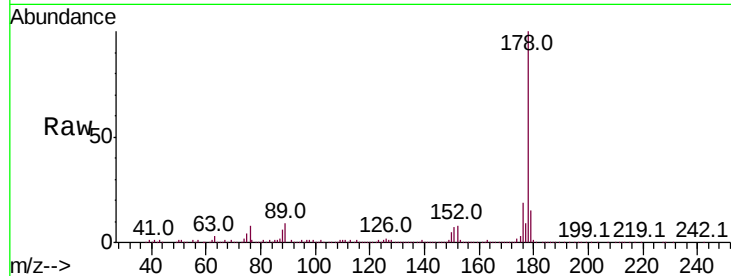
#72
 Anthracene
 Concen: 9.291 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF115513.D
 Acq: 11 Jul 2019 23:48

Instrument :
 BNA_F
 ClientSampleId :
 COMP-23

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.6
179	15.2	13.0	19.6

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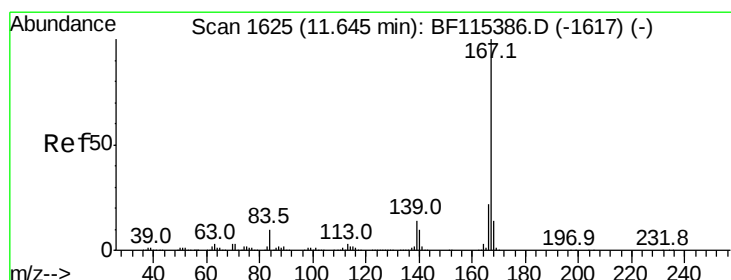
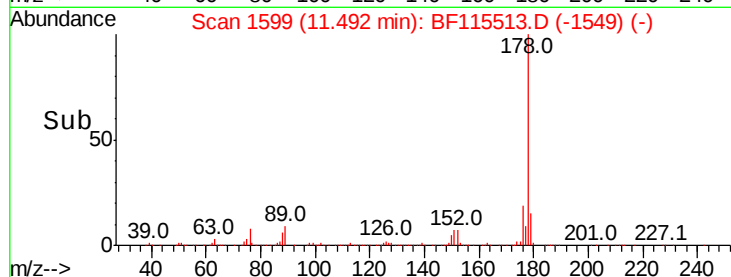
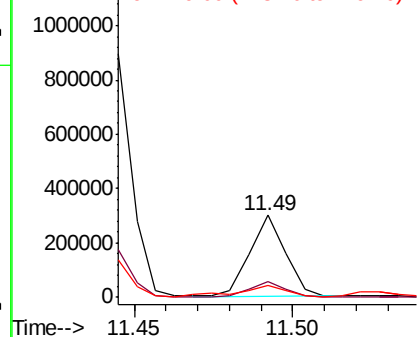


Abundance

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: 3.468 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BF115513.D
 Acq: 11 Jul 2019 23:48

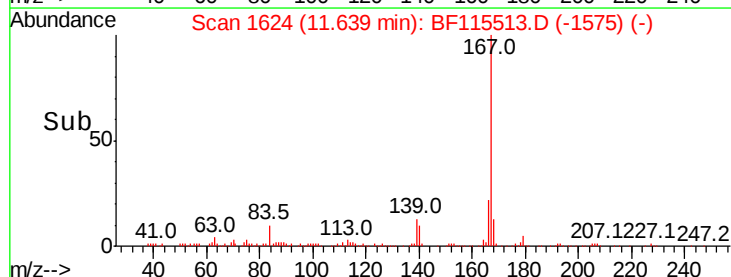
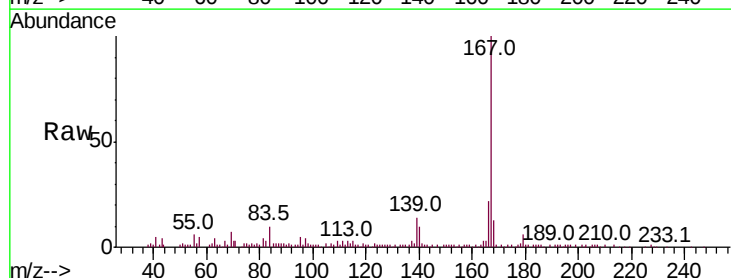
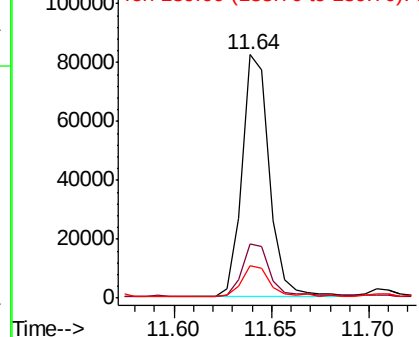
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.8	26.8
139	13.5	10.9	16.3

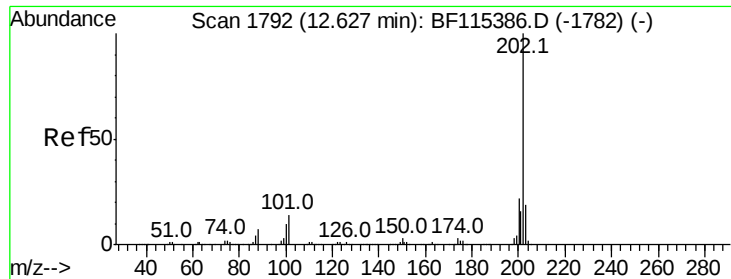
Abundance

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: 44.463 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.00 min

Lab File: BF115513.D

Acq: 11 Jul 2019 23:48

Instrument :

BNA_F

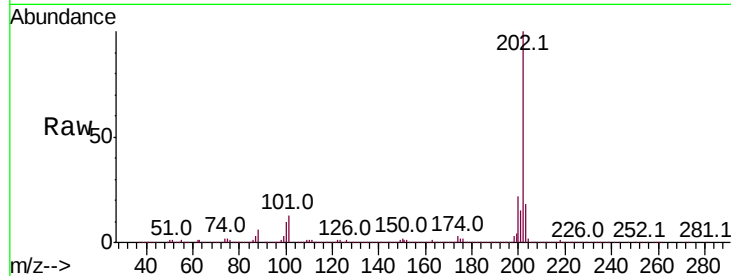
ClientSampleId :

COMP-23

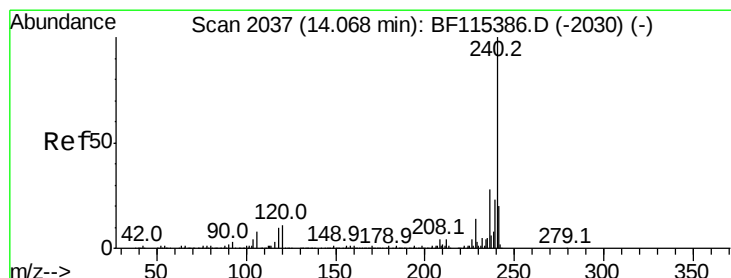
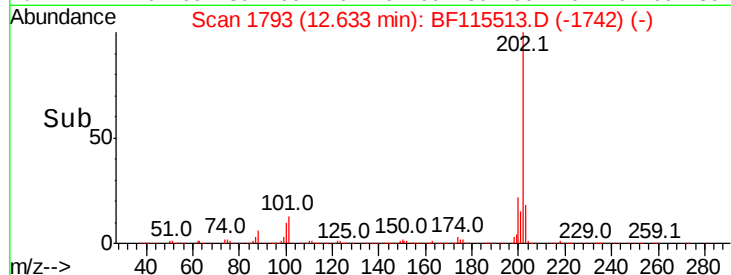
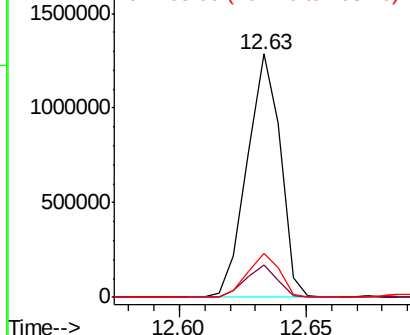
Tot Ion:	202	Resp:	1177281
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	33.9
203	18.2	0.0	38.4

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



#76

Chrysene-d12

Concen: 20.000 ng

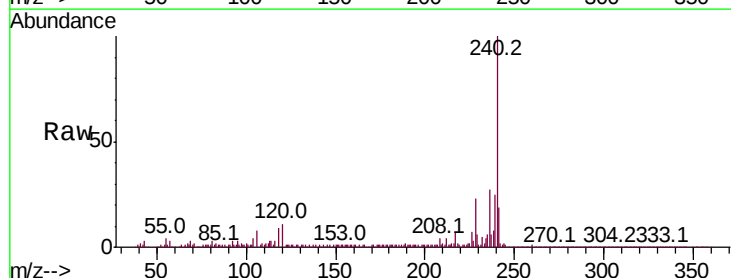
RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

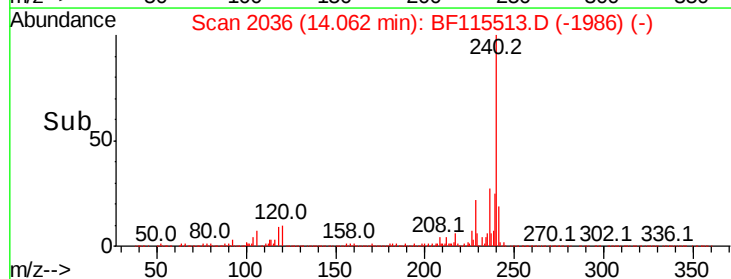
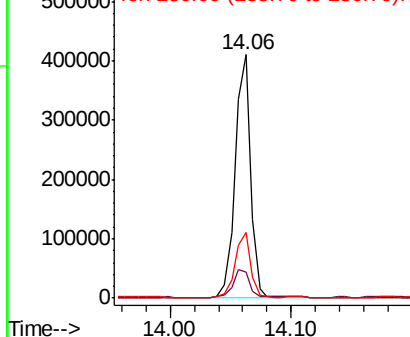
Lab File: BF115513.D

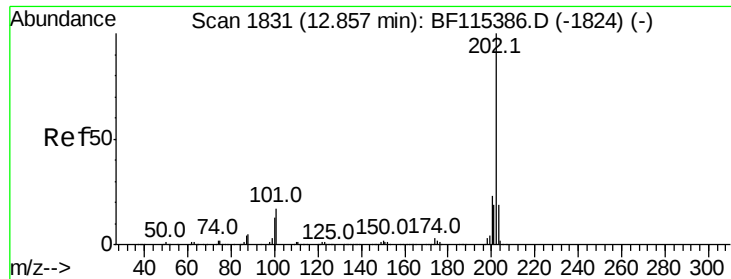
Acq: 11 Jul 2019 23:48

Tgt Ion:	240	Resp:	366111
Ion Ratio	Lower	Upper	
240	100		
120	10.6	10.2	15.4
236	27.1	21.1	31.7



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





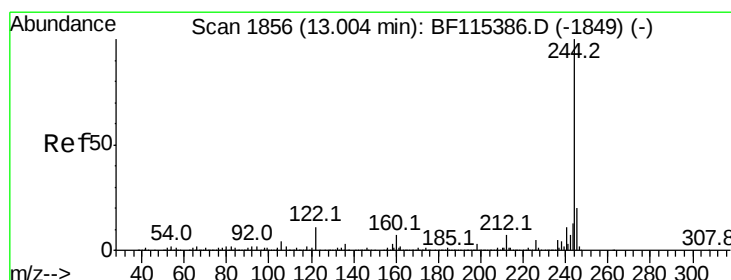
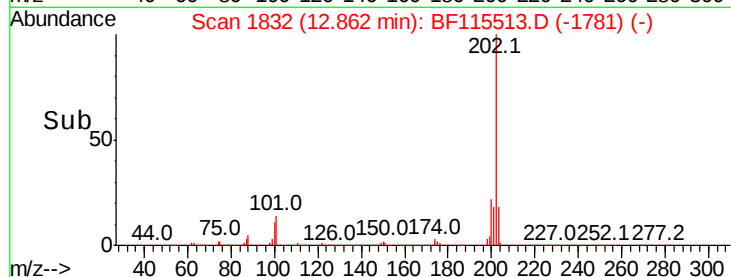
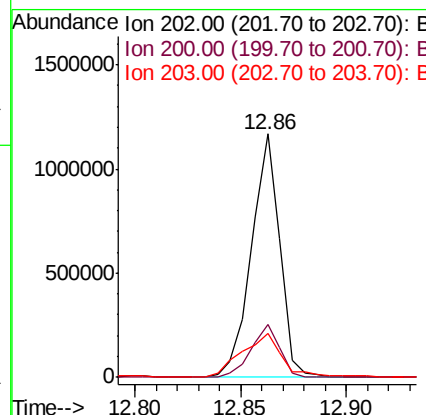
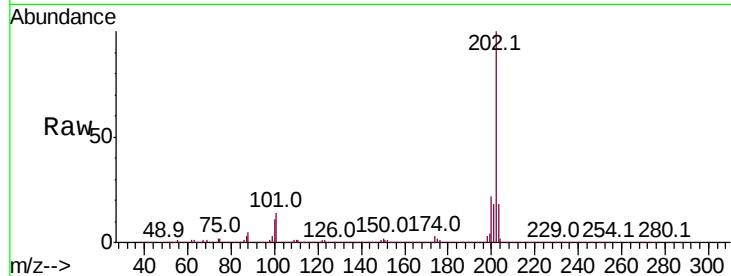
#78
Pvrene
Concen: 38.204 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.00 min
Lab File: BF115513.D
Acq: 11 Jul 2019 23:48

Instrument :
BNA_F
ClientSampleId :
COMP-23

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.6	26.4
203	18.2	14.7	22.1

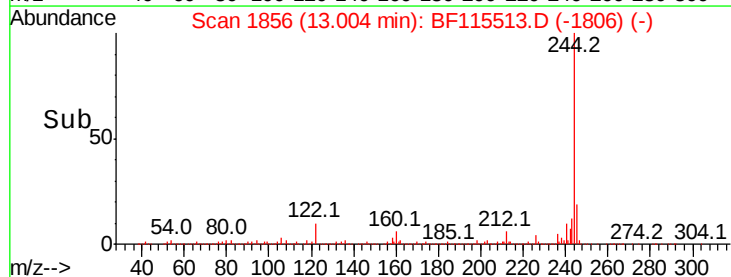
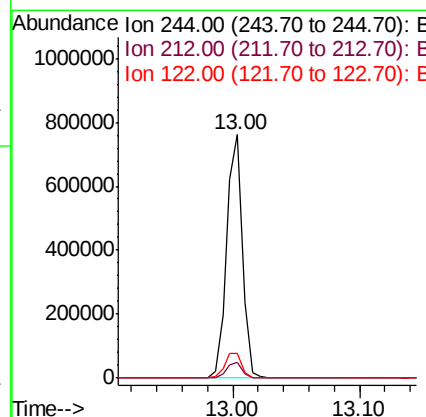
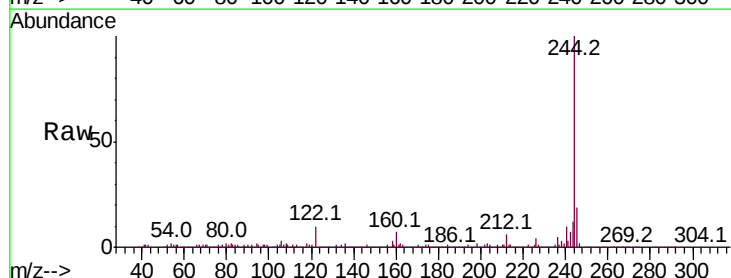
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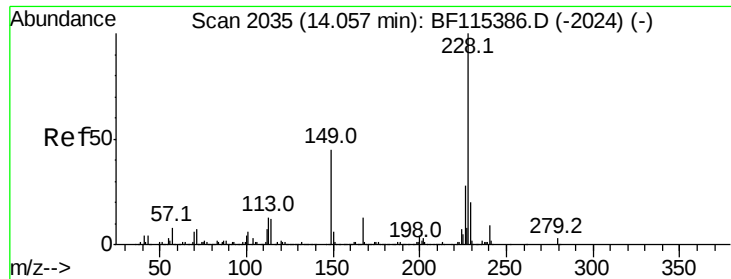
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#79
Terphenyl-d14
Concen: 37.040 ng
RT: 13.00 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BF115513.D
Acq: 11 Jul 2019 23:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.7	8.5
122	9.9	9.1	13.7





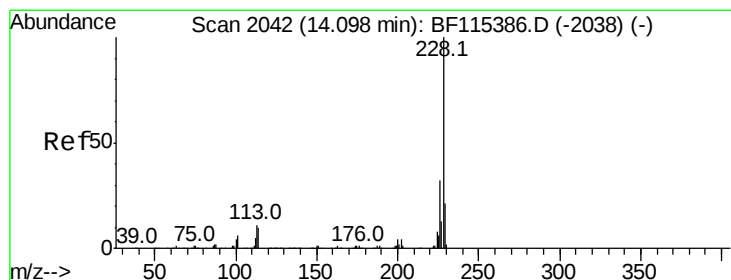
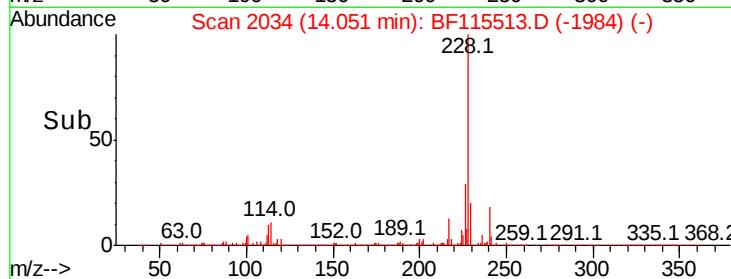
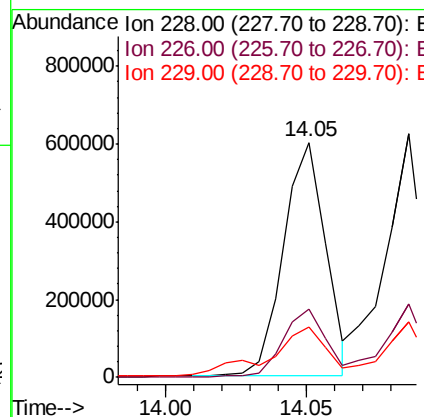
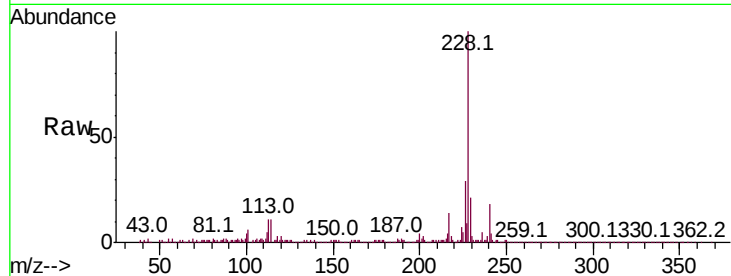
#81
Benzo(a)anthracene
Concen: 26.635 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF115513.D
Acq: 11 Jul 2019 23:48

Instrument :
BNA_F
ClientSampleId :
COMP-23

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	34.0
229	21.2	16.4	24.6

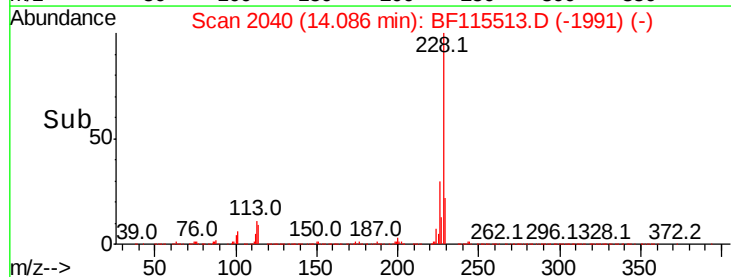
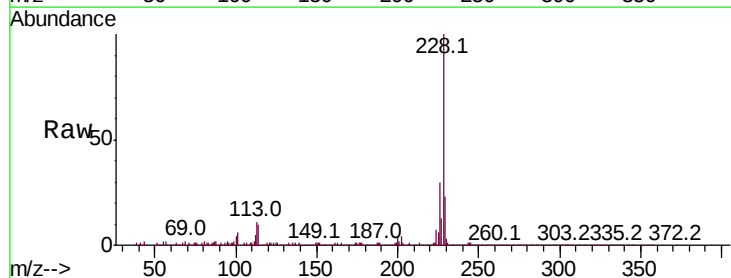
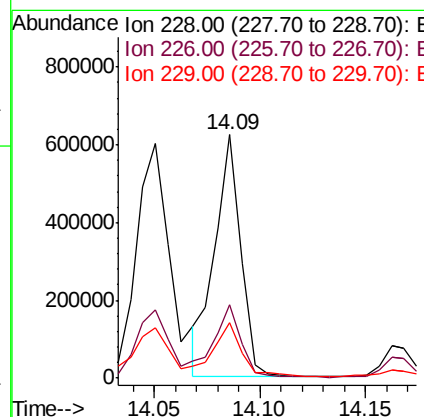
Manual Integrations
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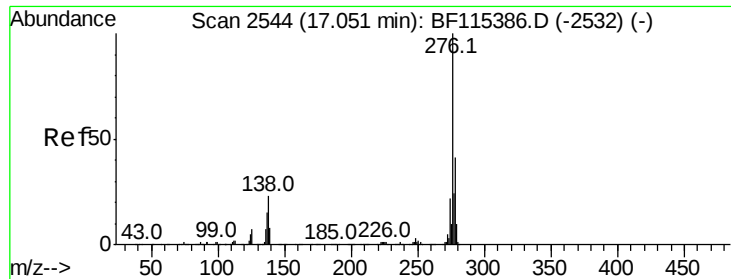
mohammad
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#83
Chrysene
Concen: 22.264 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF115513.D
Acq: 11 Jul 2019 23:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.1	37.7
229	22.9	16.1	24.1





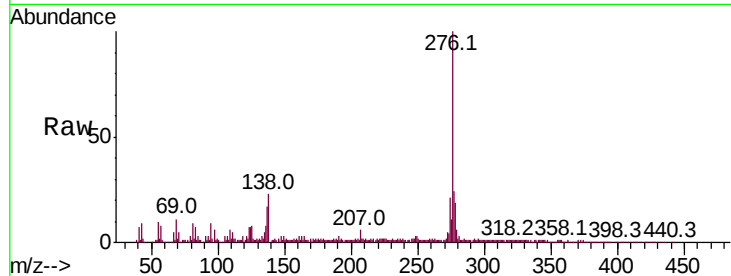
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.845 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.03 min
Lab File: BF115513.D
Acq: 11 Jul 2019 23:48

Instrument :
BNA_F
ClientSampleId :
COMP-23

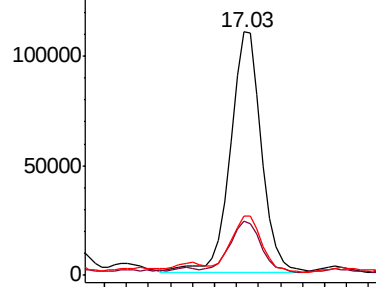
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	20.6	31.0
277	23.4	20.2	30.2

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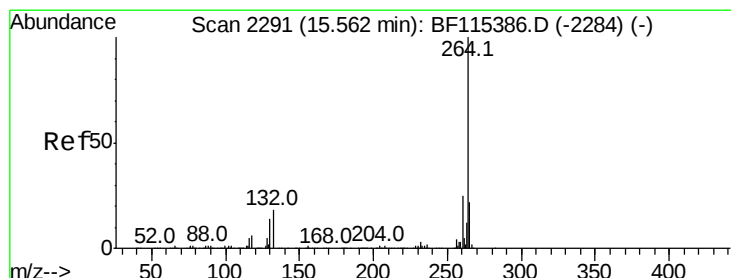
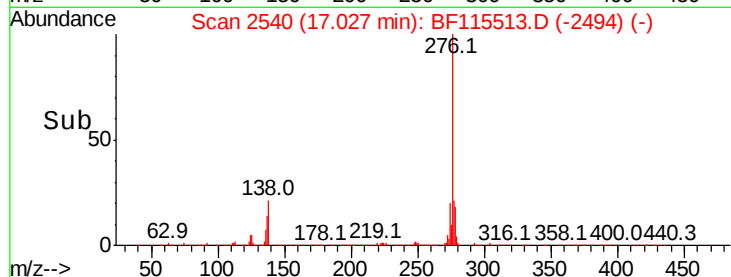
mohammad
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Abundance Ion 276.00 (275.70 to 276.70): E
150000 Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

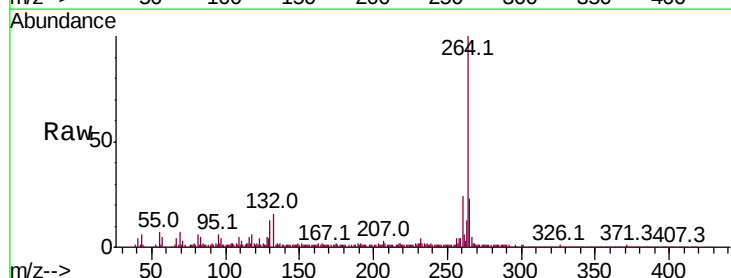


Time--> 16.90 17.00 17.10

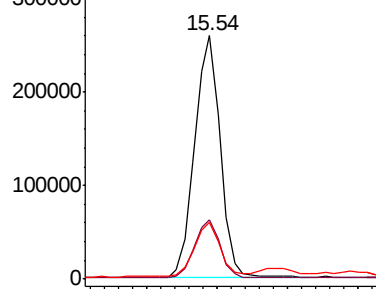


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.02 min
Lab File: BF115513.D
Acq: 11 Jul 2019 23:48

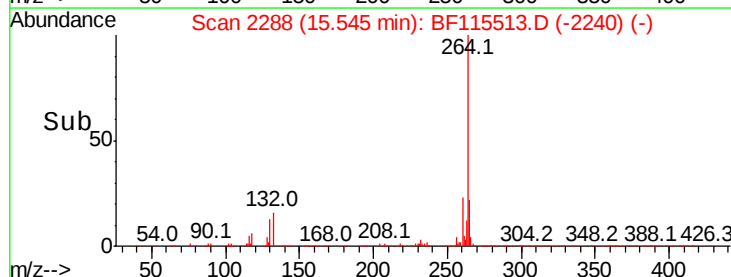
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.1	30.1
265	23.2	17.8	26.6

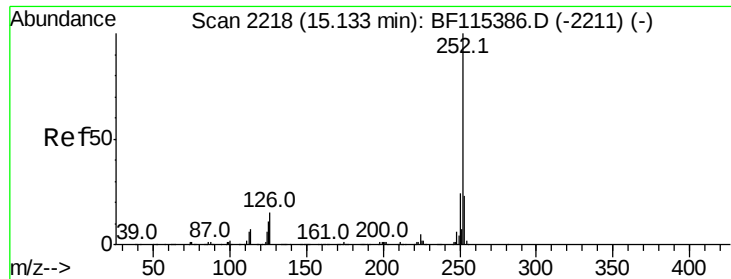


Abundance Ion 264.00 (263.70 to 264.70): E
300000 Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time--> 15.50 15.55 15.60 15.65





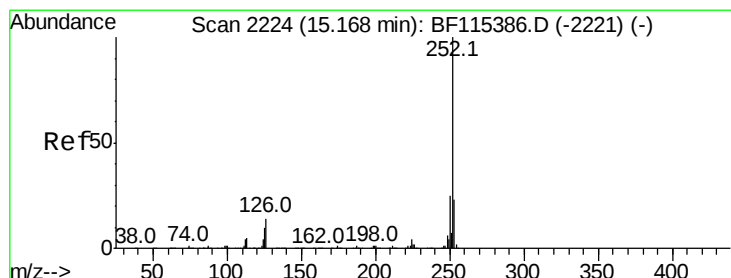
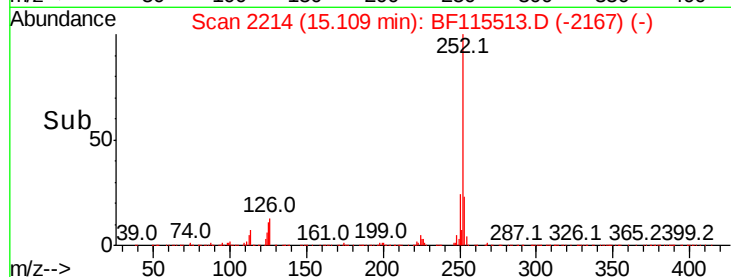
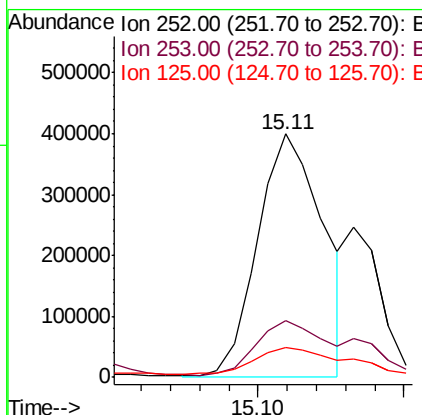
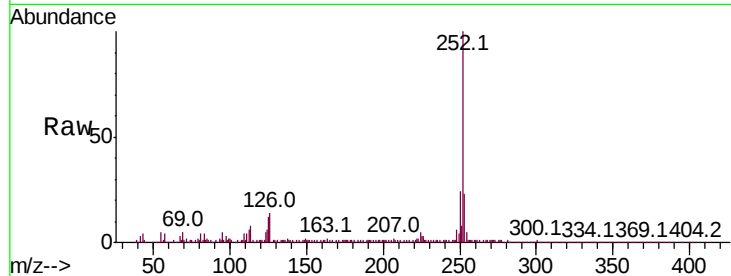
#88
Benzo(b)fluoranthene
Concen: 29.601 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF115513.D
Acq: 11 Jul 2019 23:48

Instrument :
BNA_F
ClientSampled :
COMP-23

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	12.0	8.5	12.7

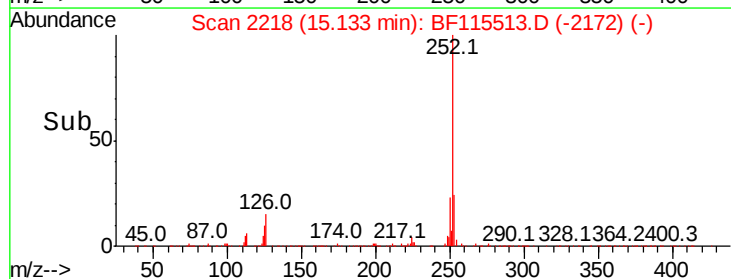
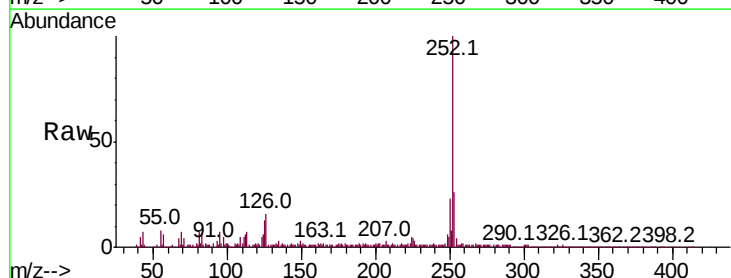
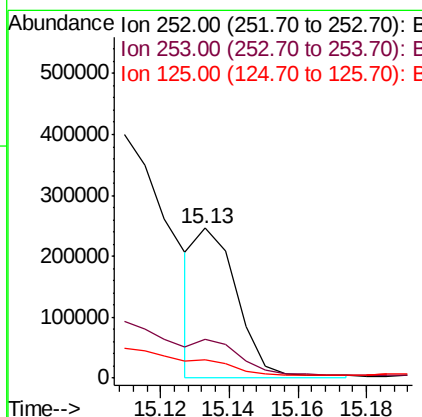
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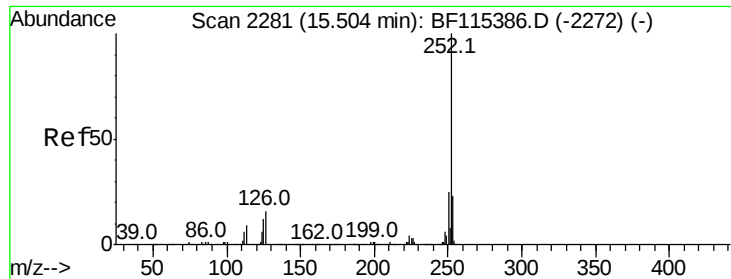
mohammad
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#89
Benzo(k)fluoranthene
Concen: 10.837 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF115513.D
Acq: 11 Jul 2019 23:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.0	27.0
125	12.6	8.6	13.0





#90

Benzo(a)pyrene

Concen: 22.406 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BF115513.D

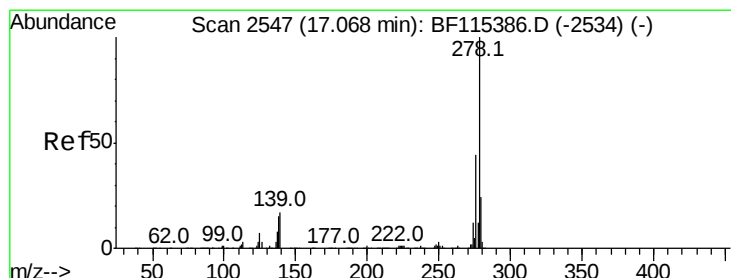
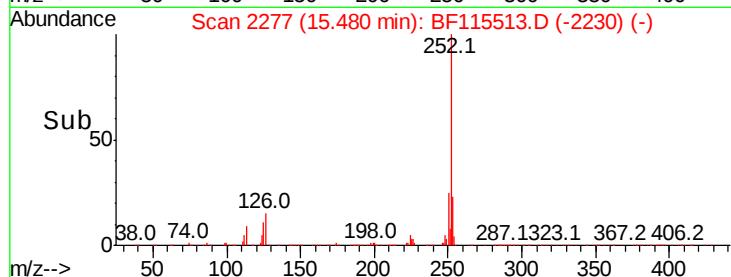
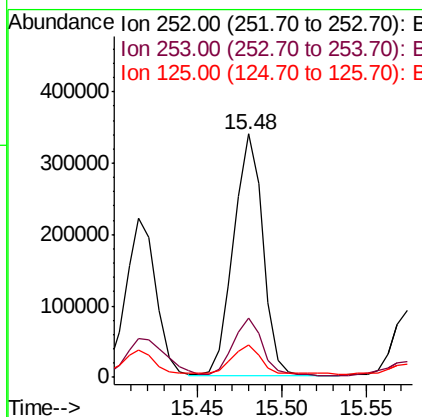
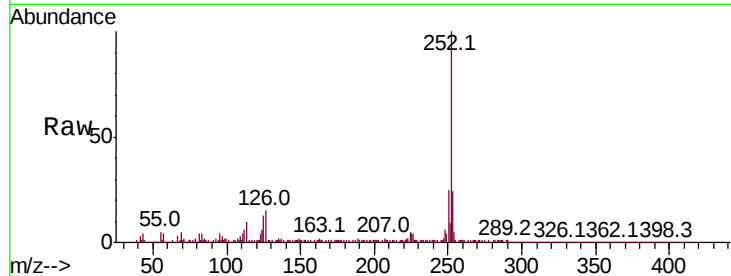
Acq: 11 Jul 2019 23:48

Instrument :
BNA_F
ClientSampleId :
COMP-23

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.7	26.5
125	13.1	9.7	14.5

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#91

Dibenzo(a,h)anthracene

Concen: 3.688 ng

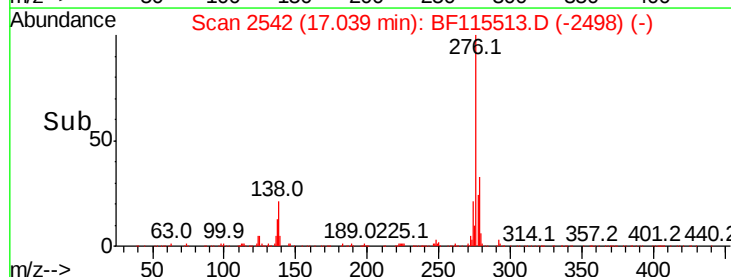
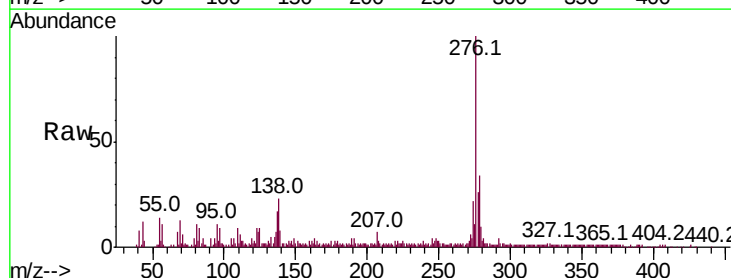
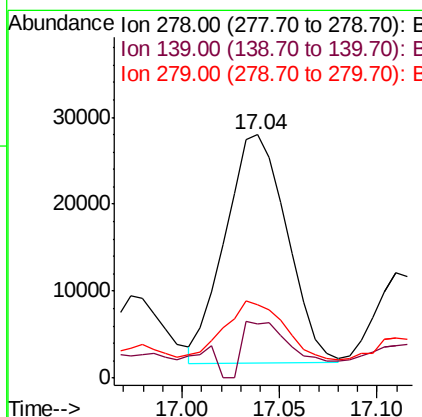
RT: 17.04 min Scan# 2542

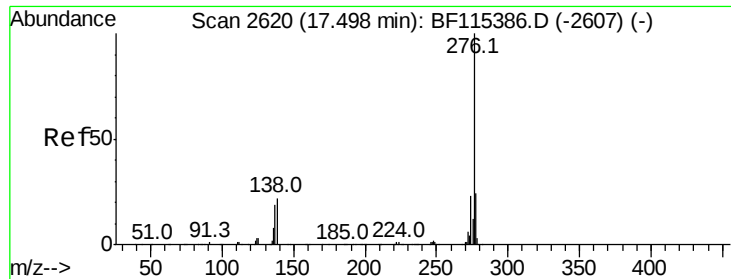
Delta R.T. -0.04 min

Lab File: BF115513.D

Acq: 11 Jul 2019 23:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.3	13.0	19.6#
279	30.1	19.4	29.2#





#92
 Benzo(a,h,i)perylene
 Concen: 13.167 ng
 RT: 17.48 min Scan# 2617
 Delta R.T. -0.03 min
 Lab File: BF115513.D
 Acq: 11 Jul 2019 23:48

Instrument :
 BNA_F
 ClientSampleId :
 COMP-23

Tot Ion:	276	Resp:	194519
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.8	28.2
138	22.8	17.8	26.8

Manual Integrations
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