

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114670.D
 Acq On : 30 May 2019 19:56
 Operator : HP/JU
 Sample : K3074-05
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3B-S

Manual Integrations
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Quant Time: May 31 06:54:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	414553	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1582974	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	808140	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1576232	20.00	ng	0.00
76) Chrysene-d12	13.82	240	1045889	20.00	ng	0.00
87) Perylene-d12	15.20	264	1088872	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	2324145	98.43	ng	0.01
7) Phenol-d6	6.33	99	2885277	101.41	ng	0.00
23) Nitrobenzene-d5	7.25	82	1773049	69.88	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	647767	84.12	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	3097988	69.00	ng	0.00
79) Terphenyl-d14	12.78	244	3387107	60.89	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.44	163	413762	7.348	ng	99
71) Phenanthrene	11.22	178	264889	3.294	ng	95
75) Fluoranthene	12.40	202	1342036	16.119	ng	97
78) Pyrene	12.62	202	1306473	14.767	ng	98
81) Benzo(a)anthracene	13.80	228	812661	10.111	ng	99
83) Chrysene	13.84	228	682549	8.889	ng	97
86) Indeno(1,2,3-cd)pyrene	16.52	276	606028	7.880	ng	94
88) Benzo(b)fluoranthene	14.81	252	1023485m	14.924	ng	
89) Benzo(k)fluoranthene	14.83	252	325083m	5.454	ng	
90) Benzo(a)pyrene	15.14	252	752265	12.486	ng	100
91) Dibenzo(a,h)anthracene	16.53	278	146887	2.759	ng	96
92) Benzo(a,h,i)perylene	16.91	276	575991	11.147	ng	99

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

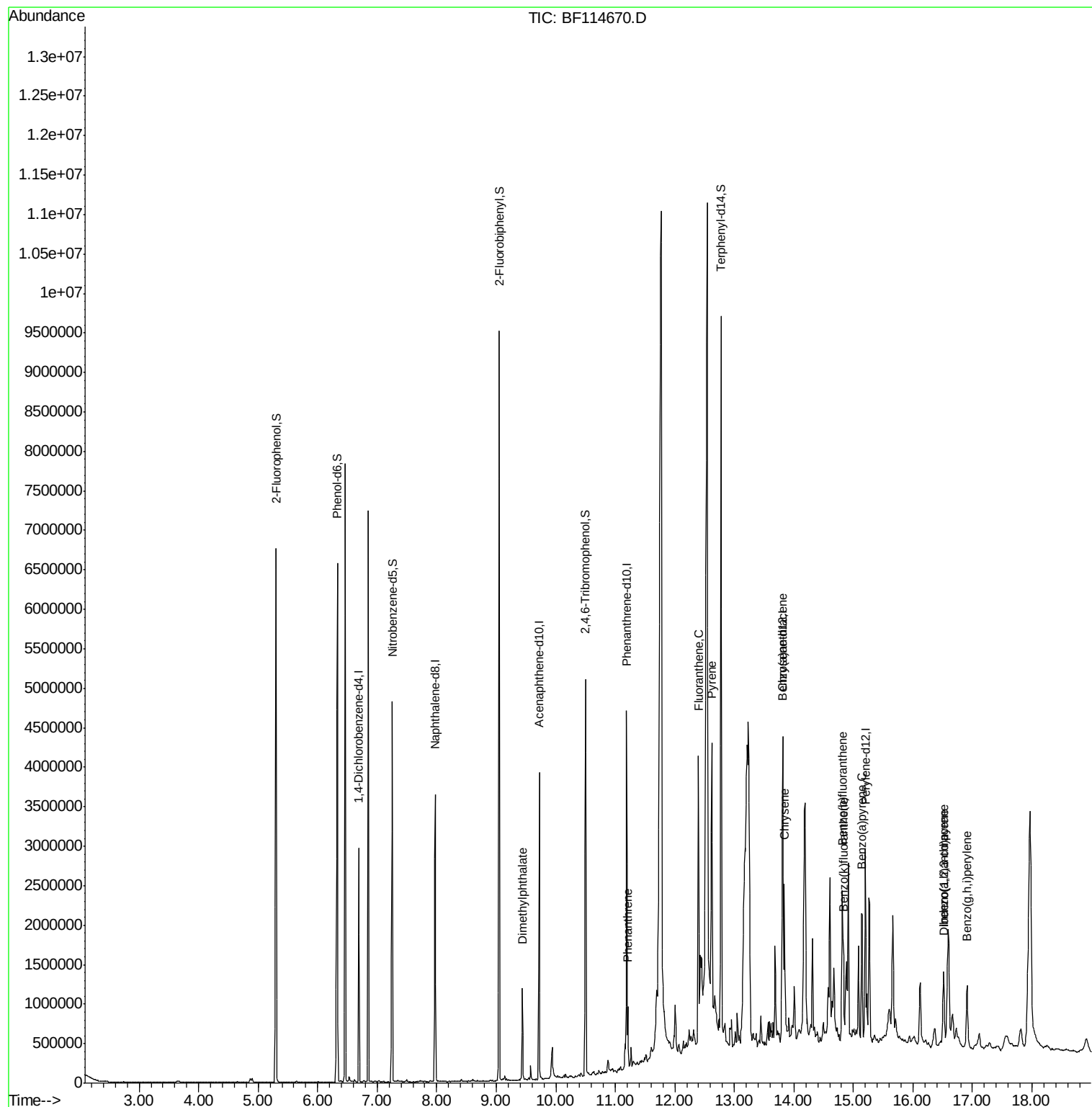
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
Data File : BF114670.D
Acq On : 30 May 2019 19:56
Operator : HP/JU
Sample : K3074-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

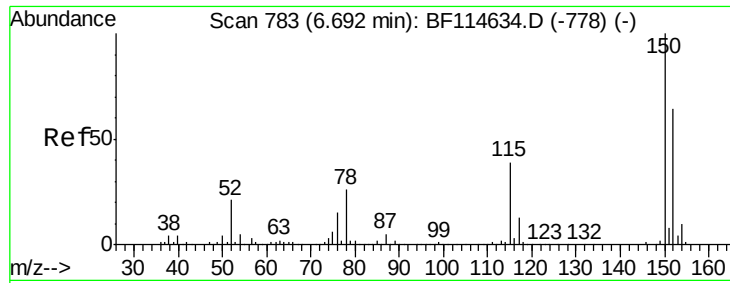
Instrument :
BNA_F
ClientSampleId :
TP-3B-S

Quant Time: May 31 06:54:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration

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#1

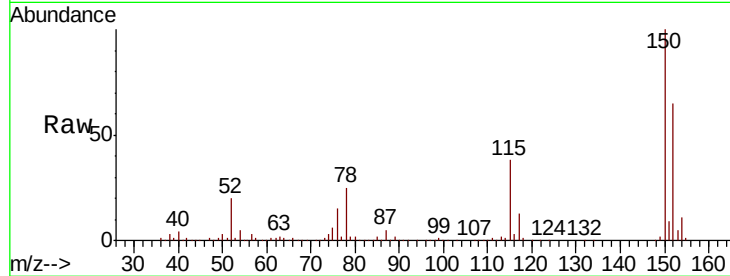
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Instrument :
BNA_F
ClientSampled :
TP-3B-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.4	186.6
115	58.9	48.7	73.1

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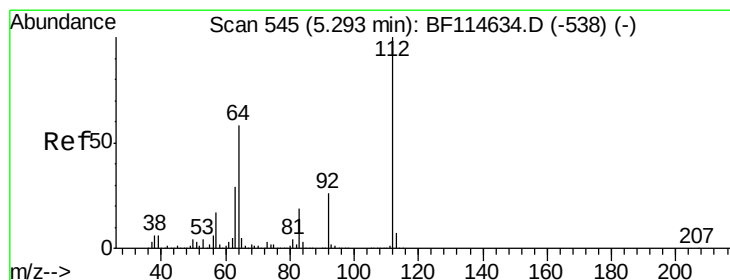
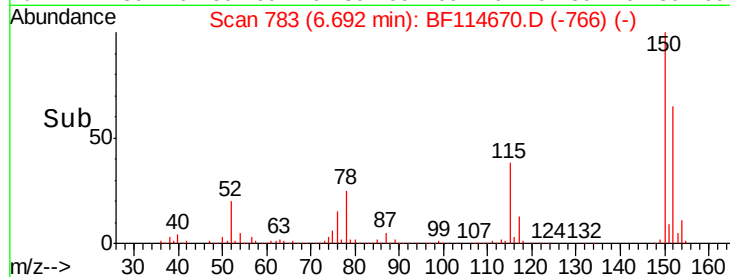
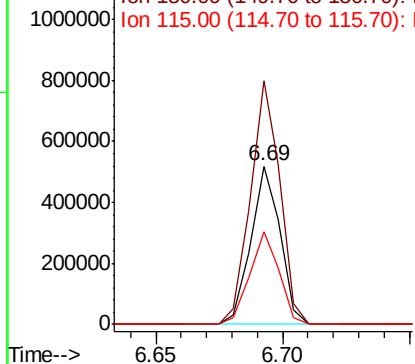


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

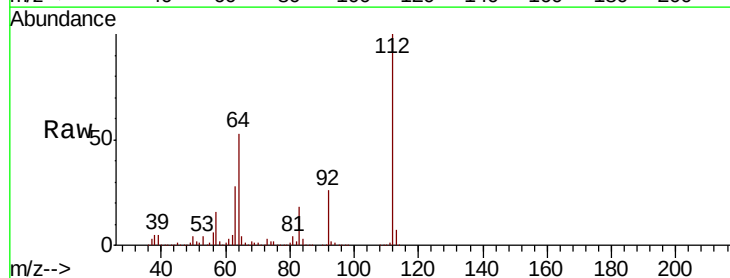
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 98.432 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	46.1	69.1
63	27.6	23.4	35.2

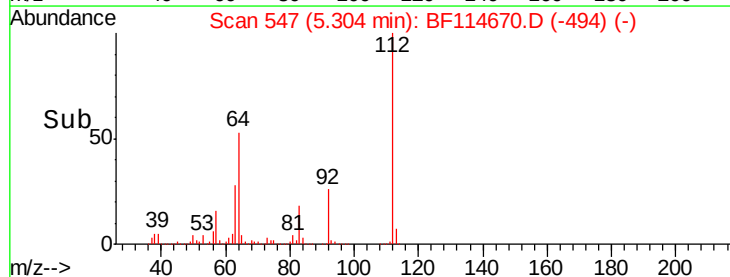
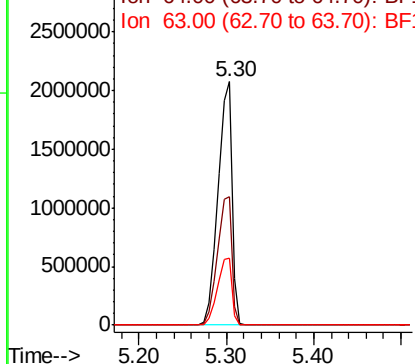


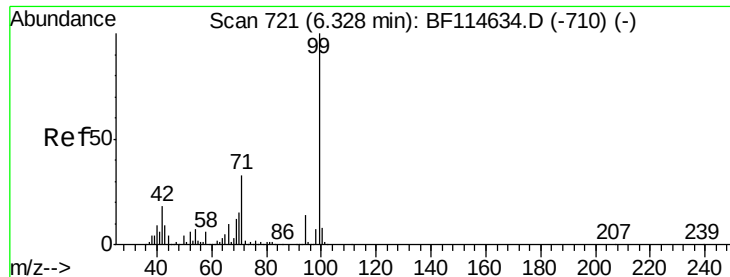
Abundance

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: 101.405 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

Instrument :

BNA_F

ClientSampleId :

TP-3B-S

Tot Ion: 99 Resp: 2885277

Ion Ratio Lower Upper

99 100

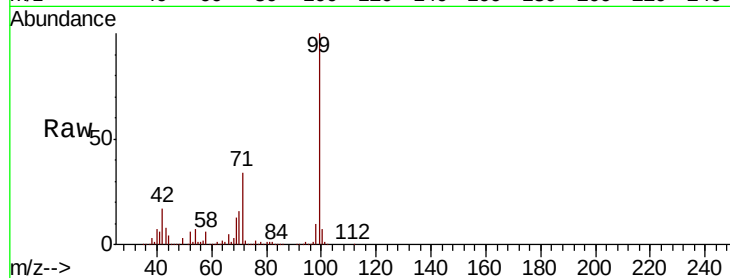
42 16.8 14.7 22.1

71 33.8 26.6 40.0

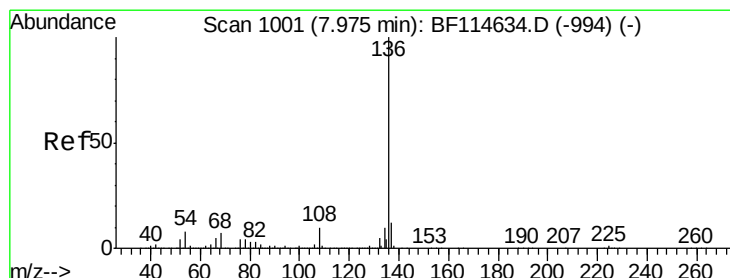
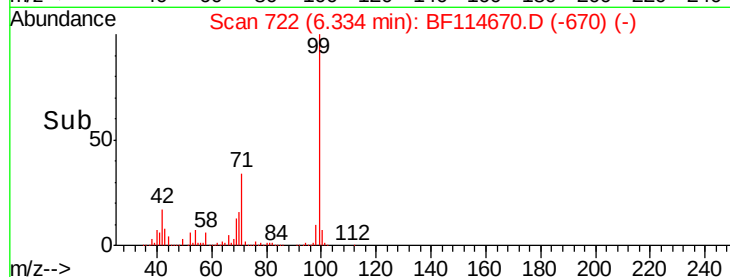
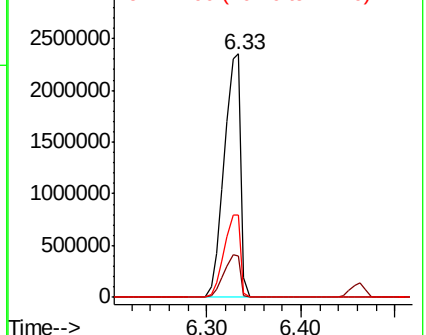
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

Tgt Ion: 136 Resp: 1582974

Ion Ratio Lower Upper

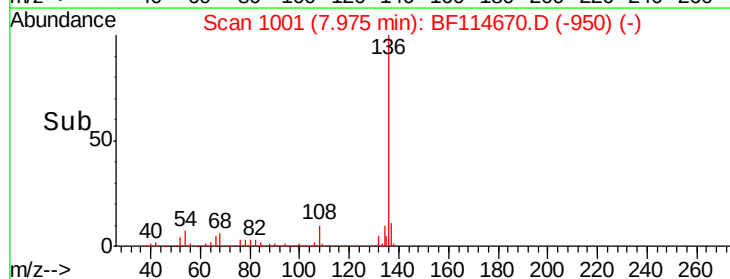
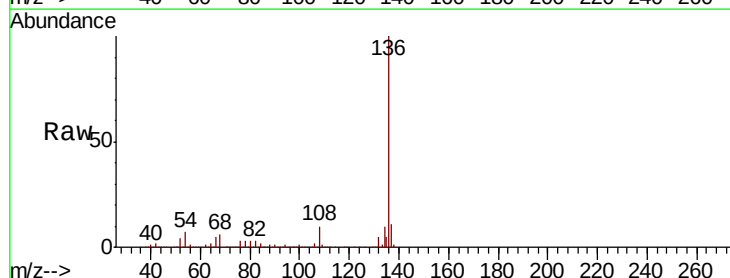
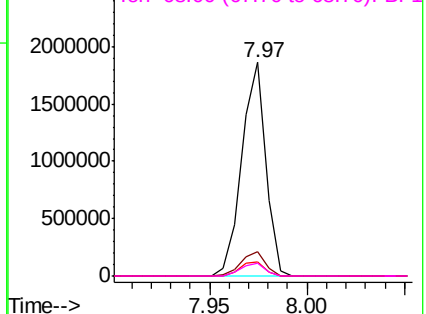
136 100

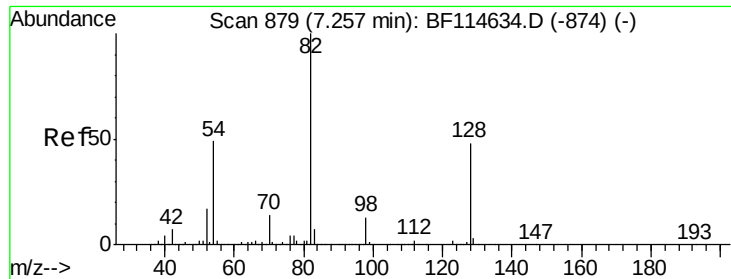
137 11.4 9.3 13.9

54 6.6 6.3 9.5

68 5.8 5.4 8.0

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





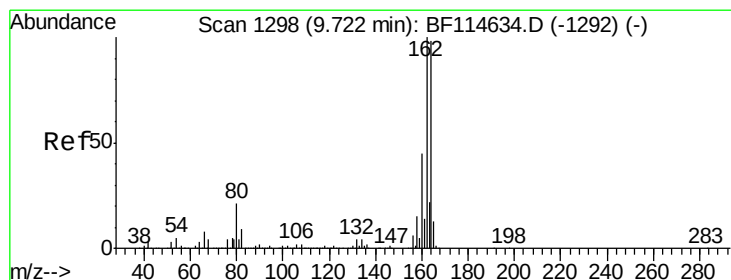
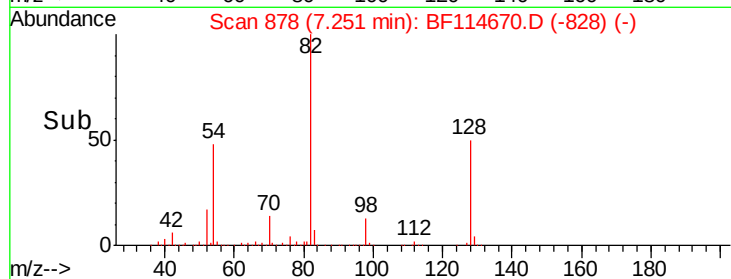
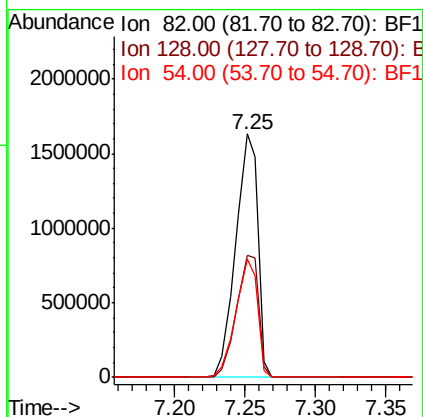
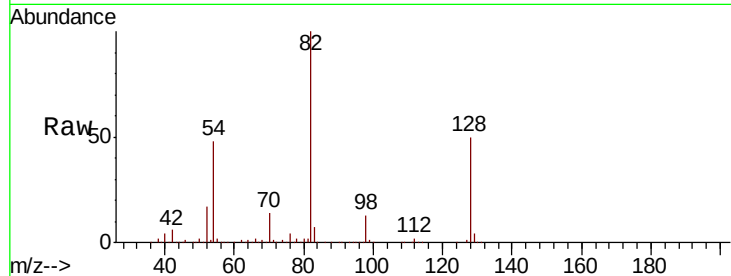
#23
 Nitrobenzene-d5
 Concen: 69.880 ng
 RT: 7.25 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: BF114670.D
 Acq: 30 May 2019 19:56

Instrument :
 BNA_F
 ClientSampled :
 TP-3B-S

Tot Ion	82	Resp	1773049
Ion	Ratio	Lower	Upper
82	100		
128	50.1	38.5	57.7
54	48.3	39.1	58.7

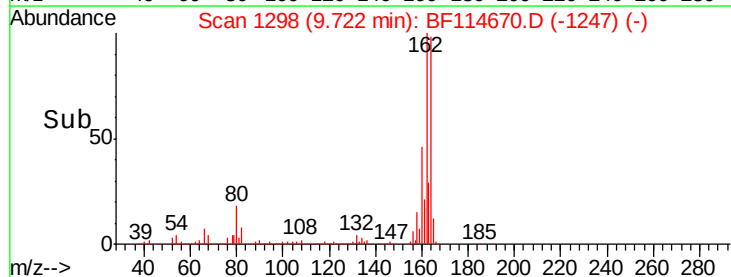
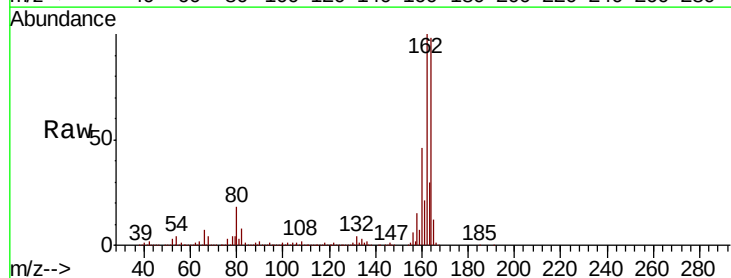
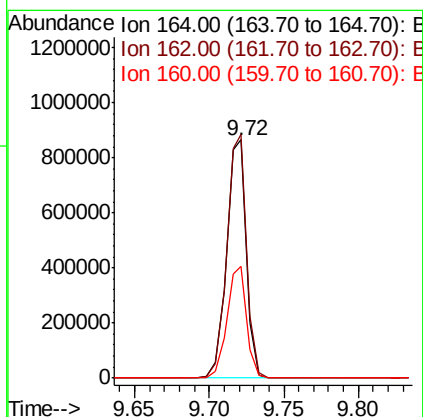
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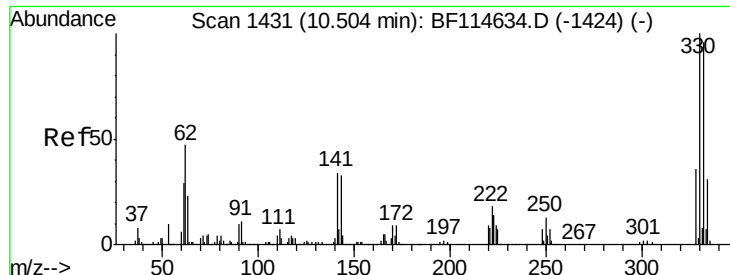
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.00 min
 Lab File: BF114670.D
 Acq: 30 May 2019 19:56

Tgt Ion	164	Resp	808140
Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.4	122.2
160	47.2	36.6	54.8





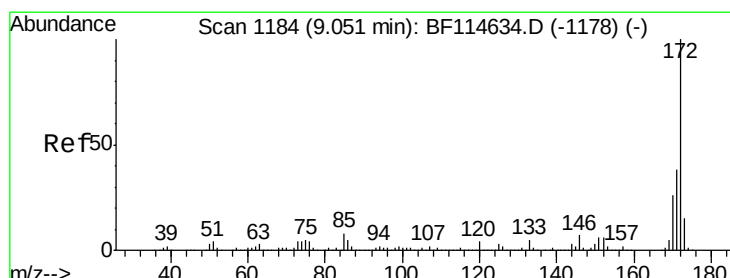
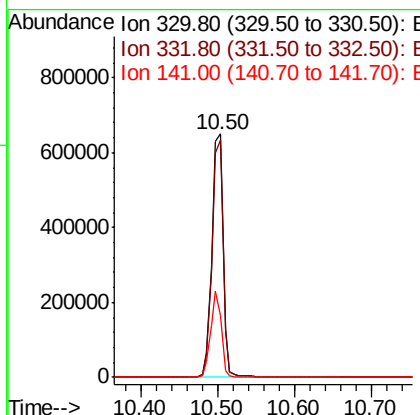
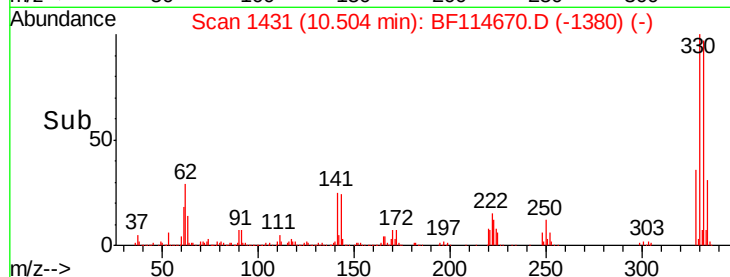
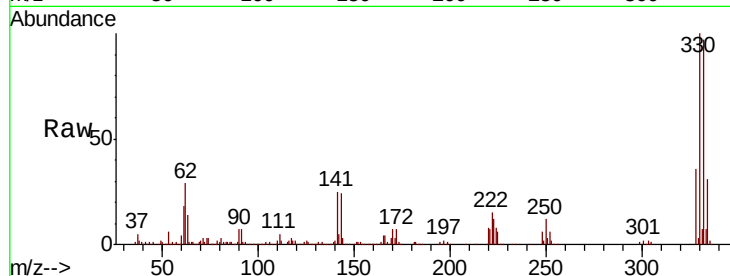
#42
 2,4,6-Tribromophenol
 Concen: 84.122 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: BF114670.D
 Acq: 30 May 2019 19:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-3B-S

Tot Ion	Ratio	Resp	Lower	Upper
330	100	647767		
332	96.2		75.8	113.8
141	33.3		27.8	41.8

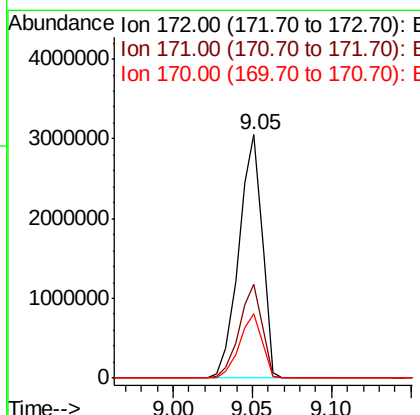
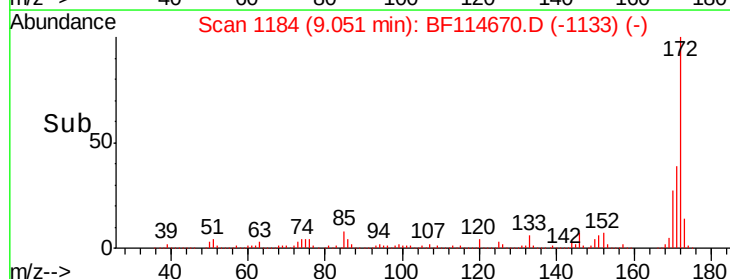
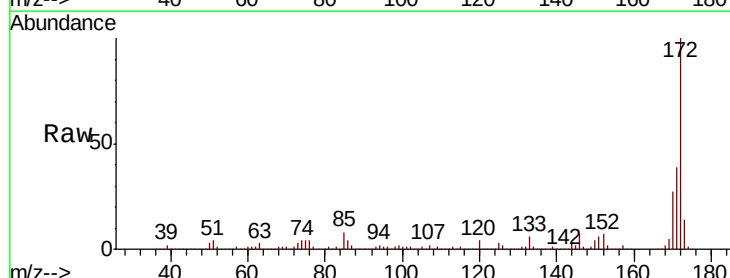
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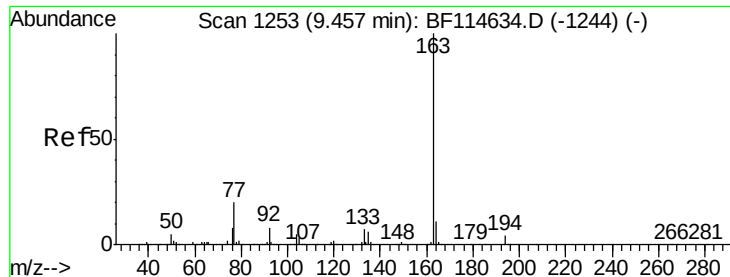
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#45
 2-Fluorobiphenyl
 Concen: 68.999 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114670.D
 Acq: 30 May 2019 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	3097988		
171	38.7		30.6	45.8
170	26.5		20.7	31.1





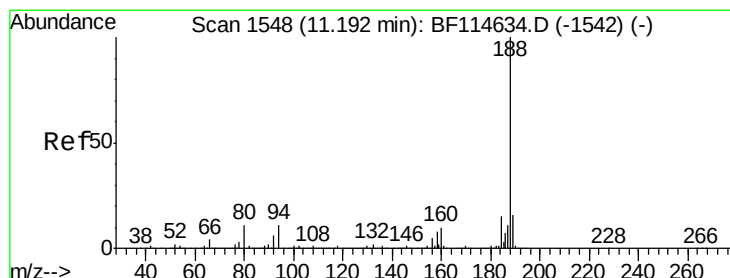
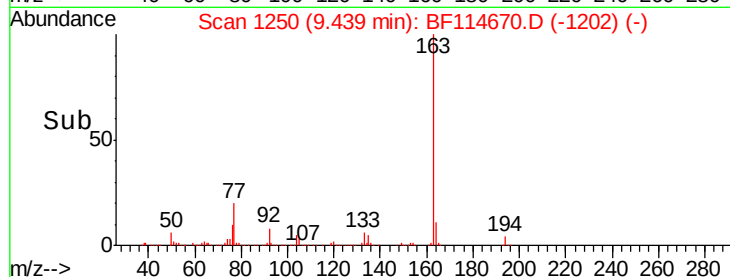
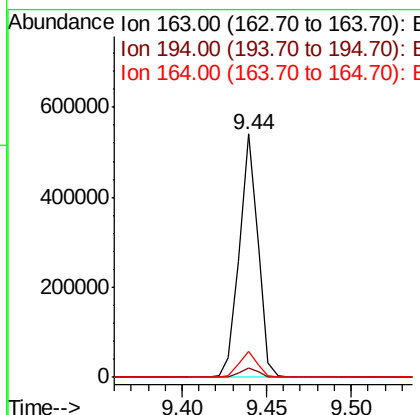
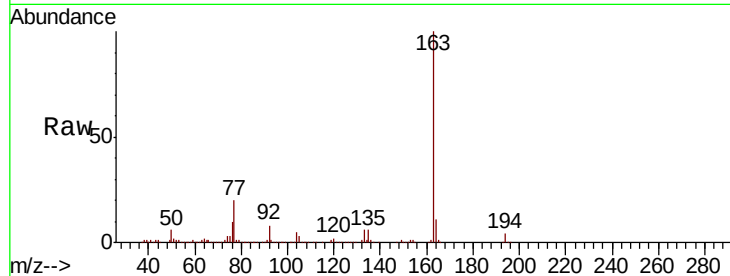
#50
Dimethylphthalate
Concen: 7.348 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Instrument :
BNA_F
ClientSampleId :
TP-3B-S

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.0
164	10.6	8.6	13.0

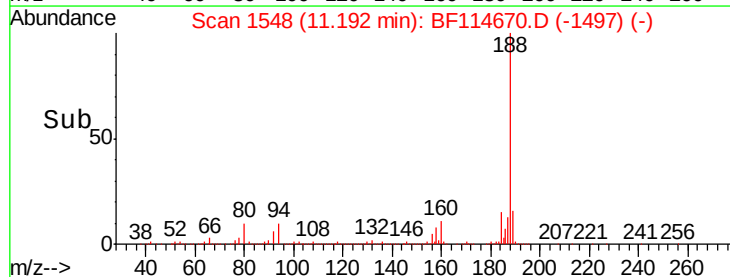
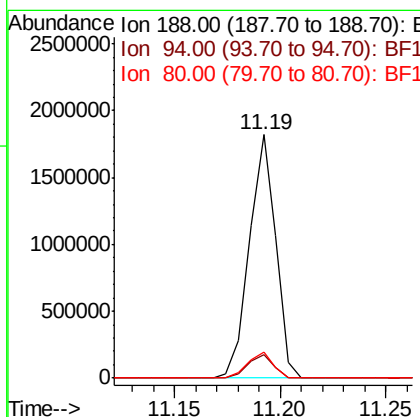
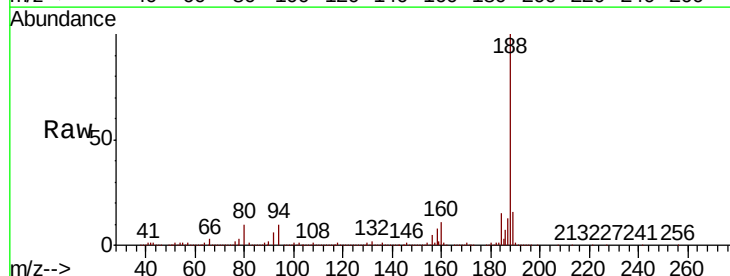
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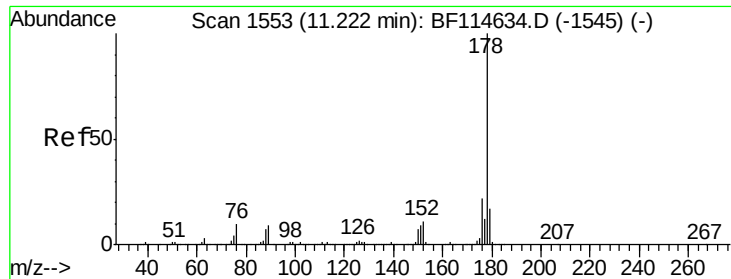
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.6	13.0
80	10.5	9.0	13.6





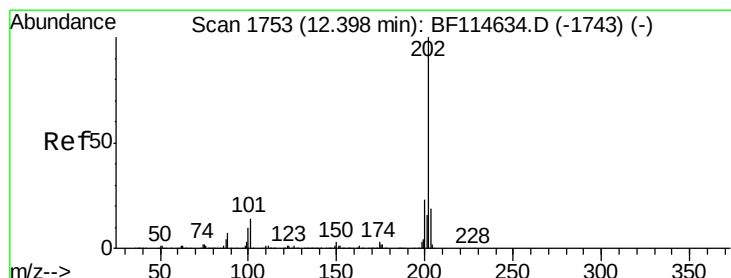
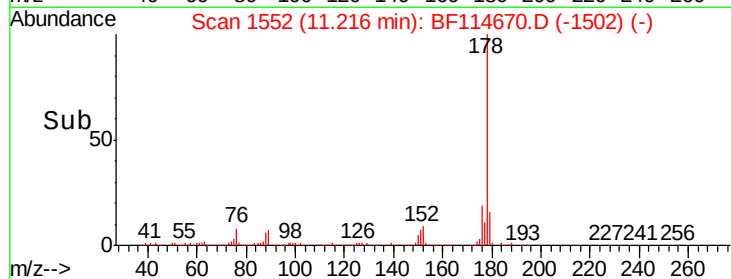
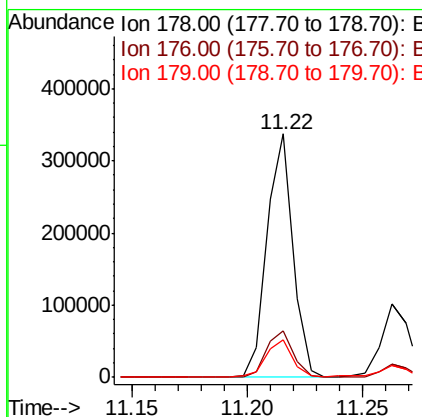
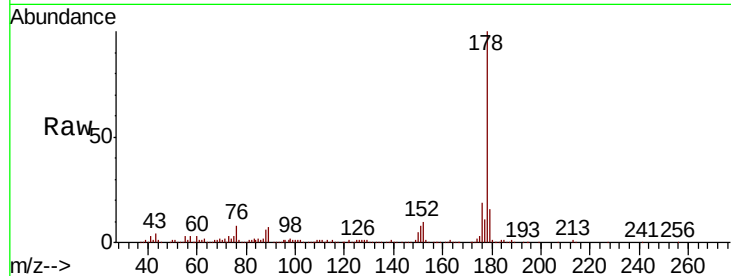
#71
Phenanthrene
Concen: 3.294 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Instrument :
BNA_F
ClientSampleId :
TP-3B-S

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	17.2	25.8
179	15.7	13.9	20.9

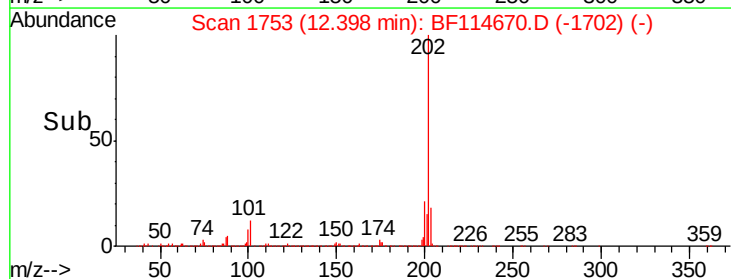
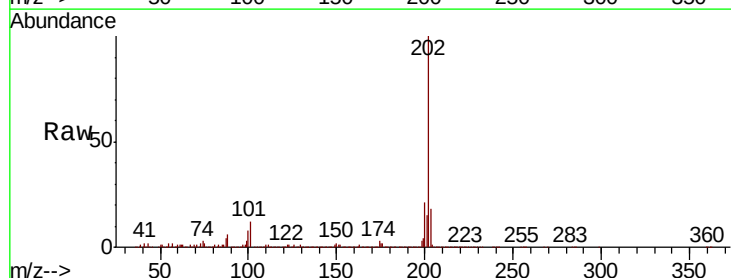
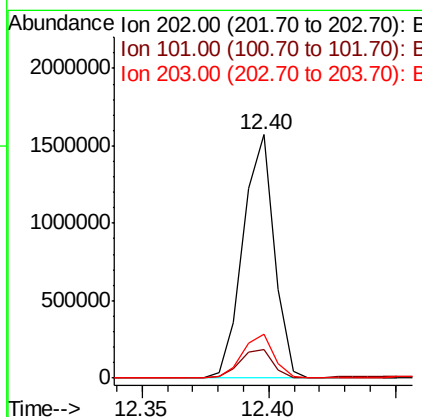
Manual Integrations
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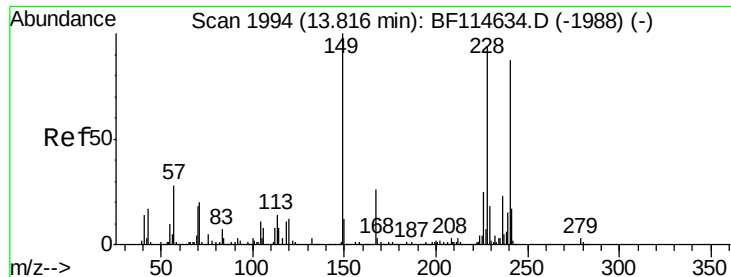
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#75
Fluoranthene
Concen: 16.119 ng
RT: 12.40 min Scan# 1753
Delta R.T. 0.00 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	33.9
203	17.9	0.0	39.1





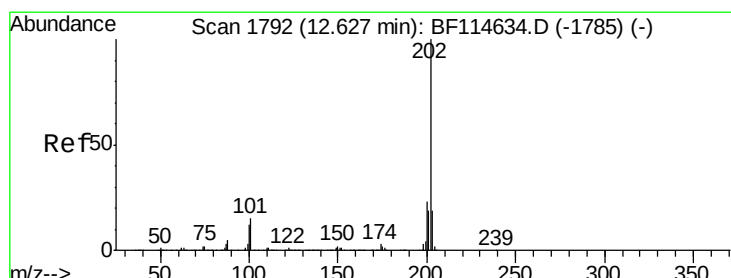
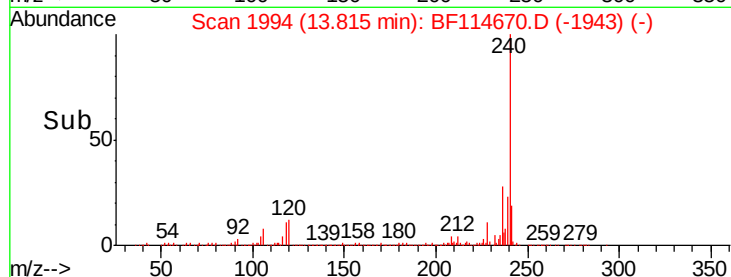
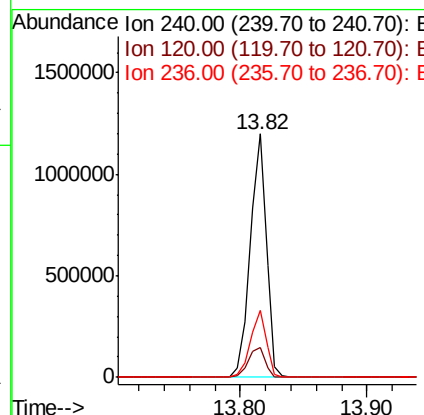
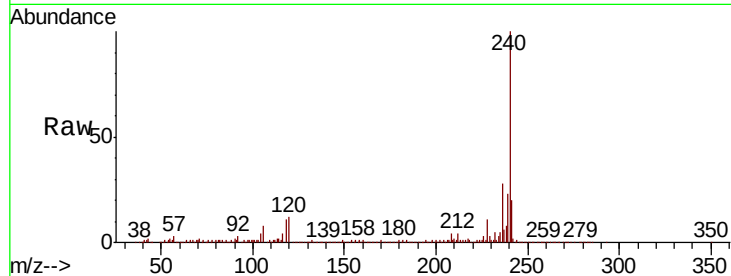
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Instrument :
BNA_F
ClientSampleId :
TP-3B-S

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	11.2	16.8
236	27.7	21.2	31.8

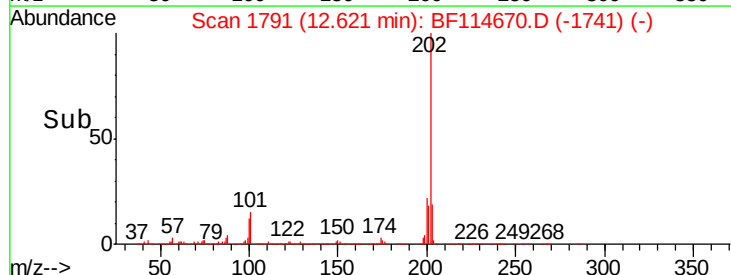
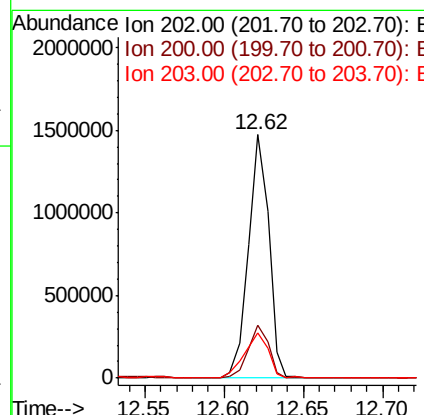
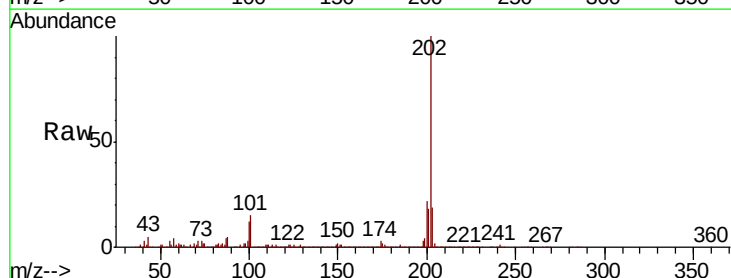
Manual Integrations
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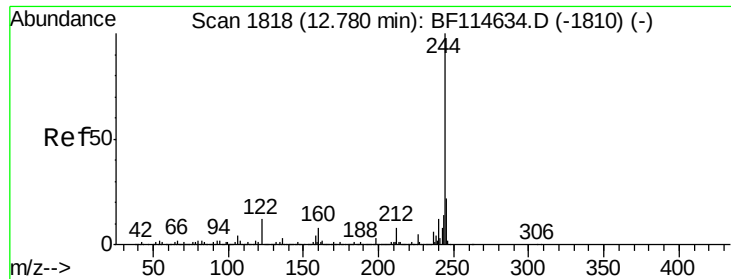
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#78
Pyrene
Concen: 14.767 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.6	28.0
203	18.7	15.4	23.2





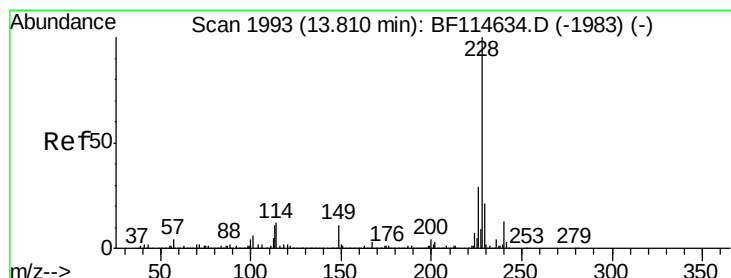
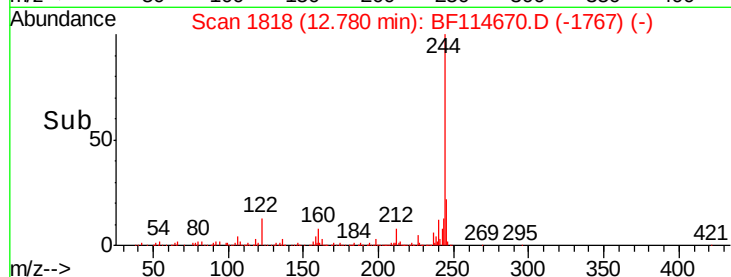
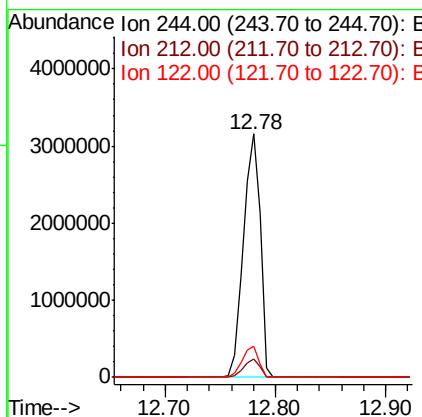
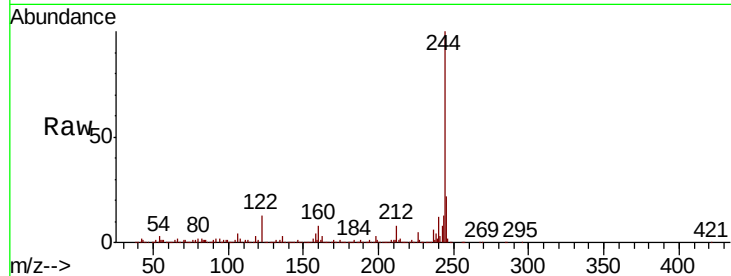
#79
 Terphenyl-d14
 Concen: 60.889 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BF114670.D
 Acq: 30 May 2019 19:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-3B-S

Tot Ion:244 Resp: 3387107
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.1 9.1
 122 12.9 9.8 14.8

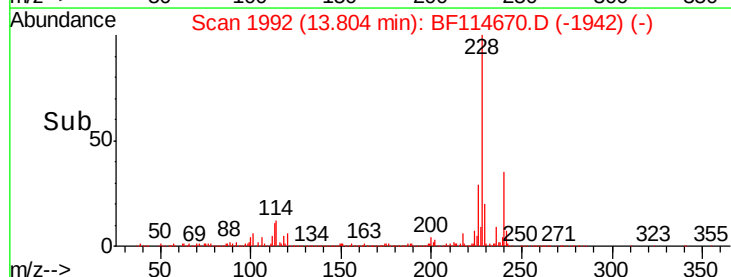
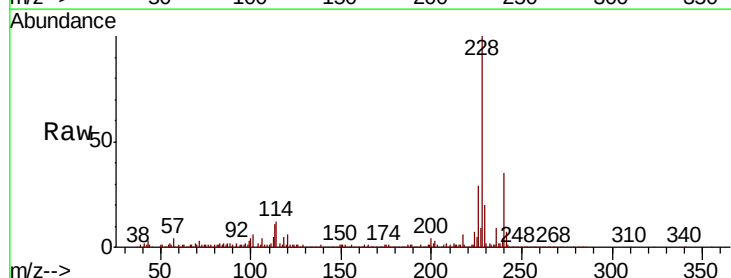
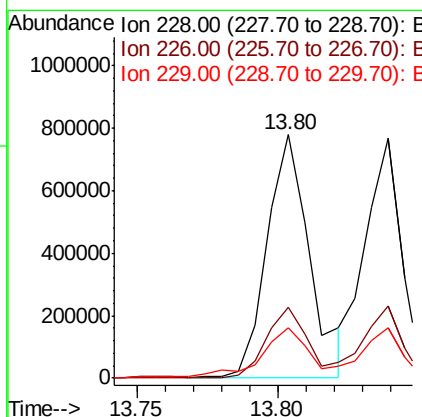
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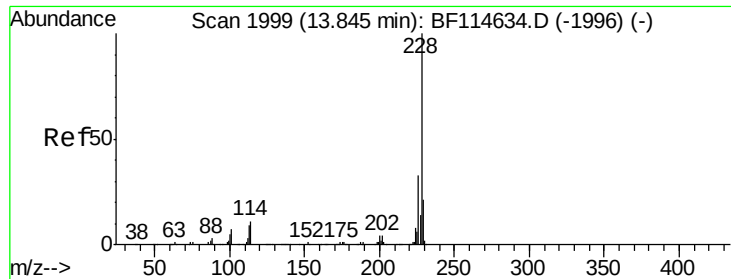
mohammad
 6/3/2019 8:47:15 AM



#81
 Benzo(a)anthracene
 Concen: 10.111 ng
 RT: 13.80 min Scan# 1992
 Delta R.T. -0.01 min
 Lab File: BF114670.D
 Acq: 30 May 2019 19:56

Tgt Ion:228 Resp: 812661
 Ion Ratio Lower Upper
 228 100
 226 28.9 23.0 34.6
 229 20.4 17.0 25.4





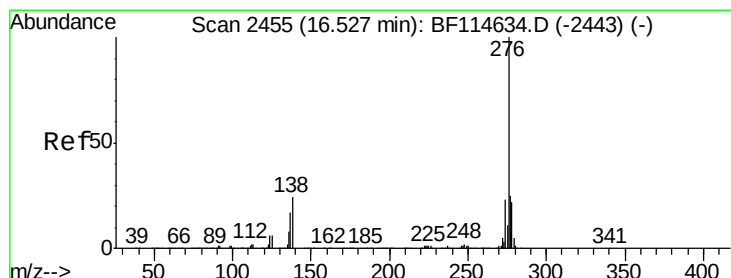
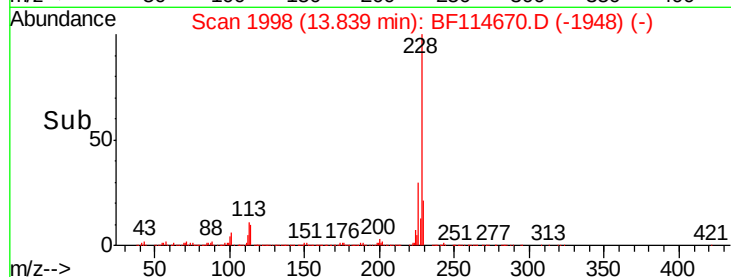
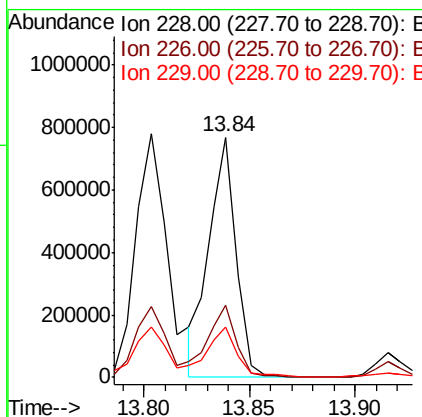
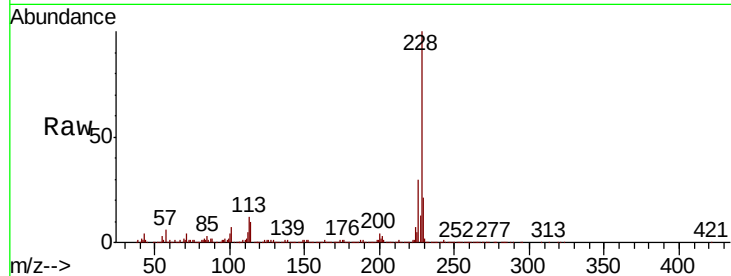
#83
Chrysene
Concen: 8.889 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Instrument :
BNA_F
ClientSampled :
TP-3B-S

Tot Ion:	228	Resp:	682549
Ion Ratio	Lower	Upper	
228	100		
226	30.1	26.4	39.6
229	21.1	17.1	25.7

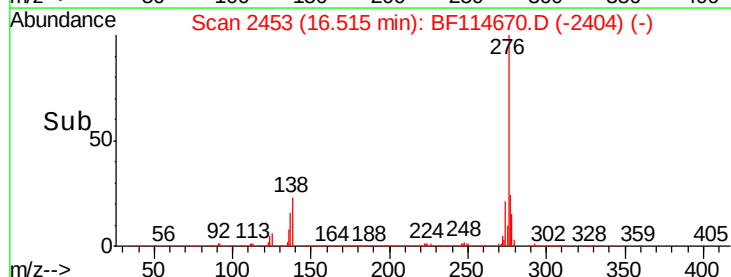
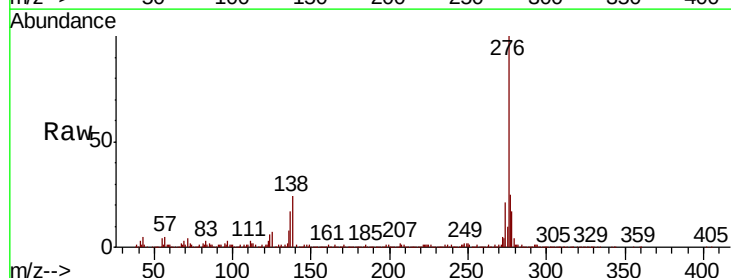
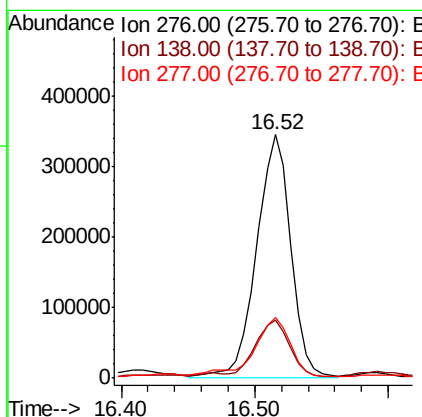
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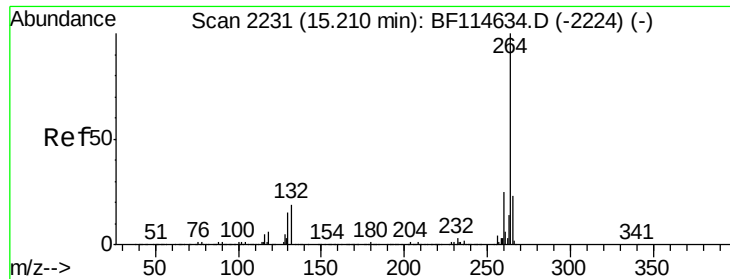
mohammad
6/3/2019 8:47:15 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.880 ng
RT: 16.52 min Scan# 2453
Delta R.T. -0.01 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Tgt Ion:	276	Resp:	606028
Ion Ratio	Lower	Upper	
276	100		
138	24.1	23.0	34.6
277	26.8	20.5	30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

Instrument :

BNA_F

ClientSampleId :

TP-3B-S

Tot Ion:264 Resp: 1088872

Ion Ratio Lower Upper

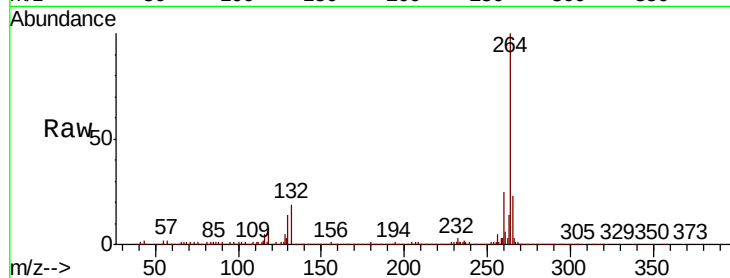
264 100

260 25.1 19.7 29.5

265 22.7 18.1 27.1

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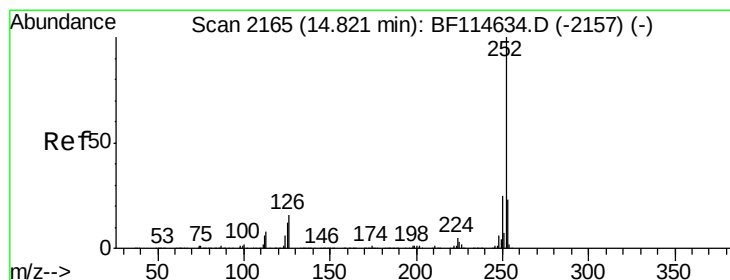
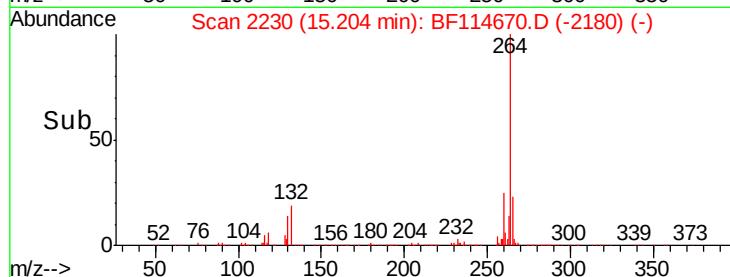
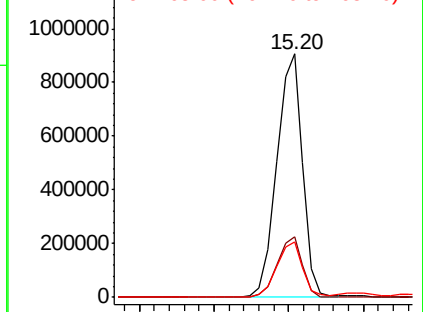


Abundance

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: 14.924 ng m

RT: 14.81 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

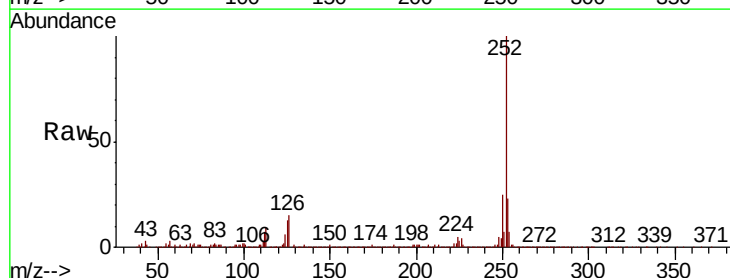
Tgt Ion:252 Resp: 1023485

Ion Ratio Lower Upper

252 100

253 23.2 18.7 28.1

125 12.7 9.4 14.2

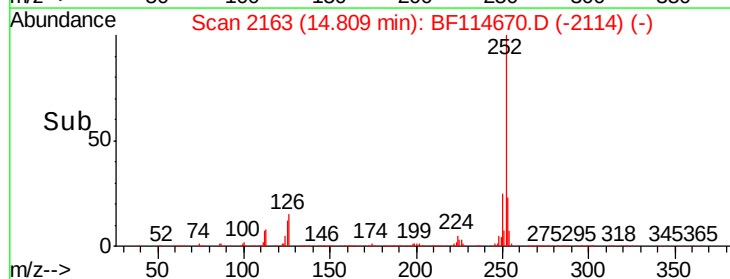
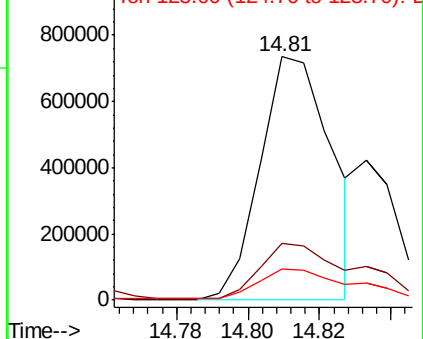


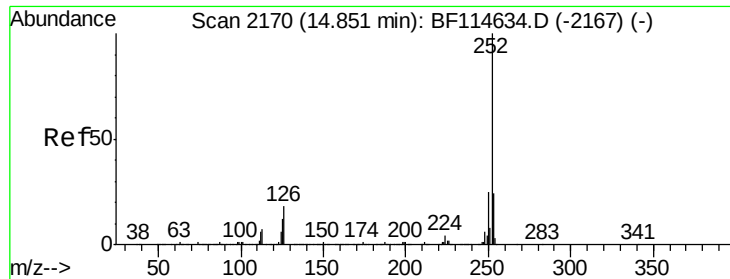
Abundance

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





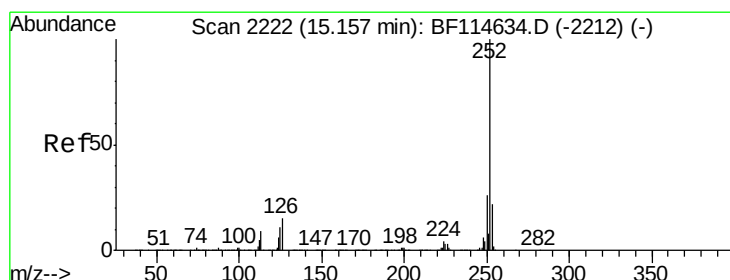
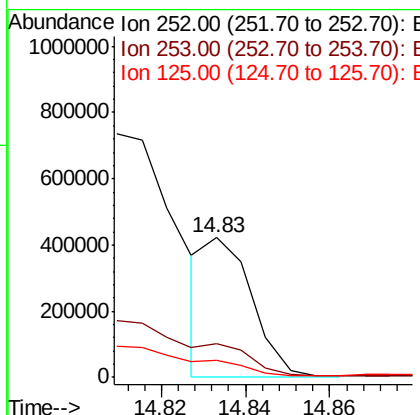
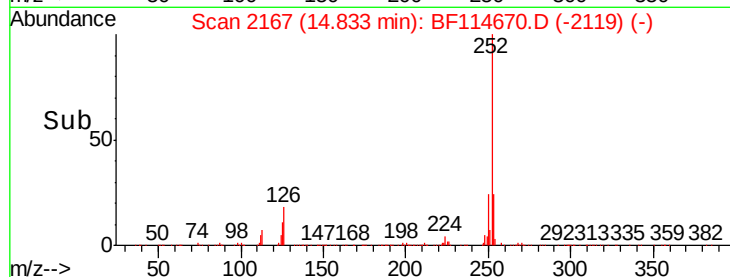
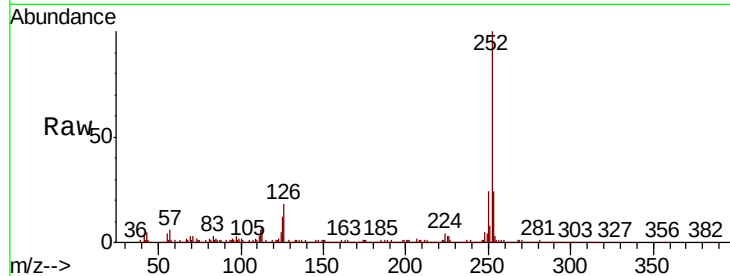
#89
Benzo(k)fluoranthene
Concen: 5.454 ng m
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Instrument :
BNA_F
ClientSampleId :
TP-3B-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.9	28.3
125	12.1	9.5	14.3

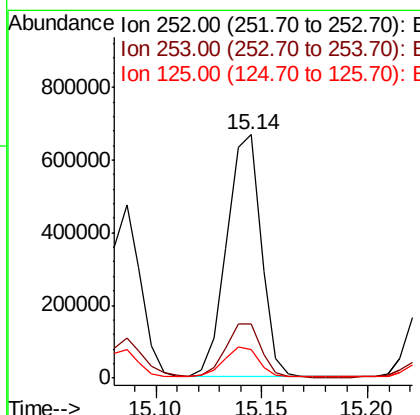
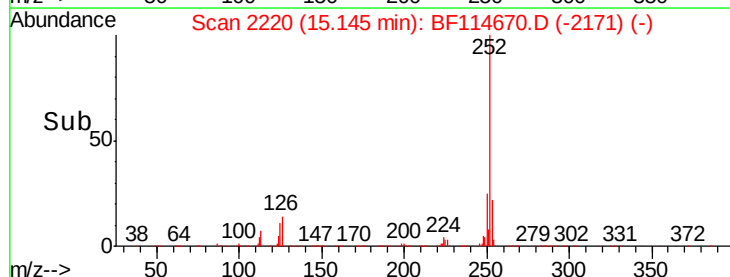
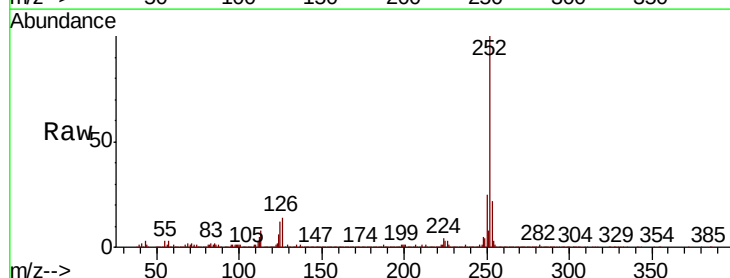
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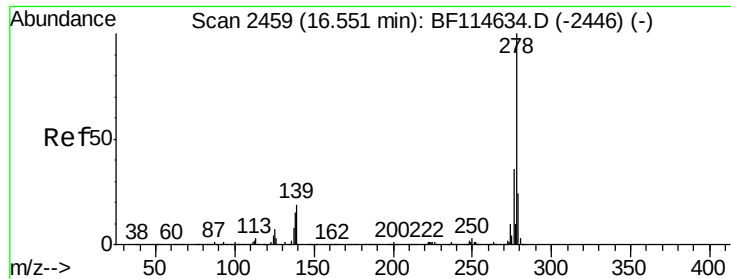
mohammad
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#90
Benzo(a)pyrene
Concen: 12.486 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.8	9.2	13.8





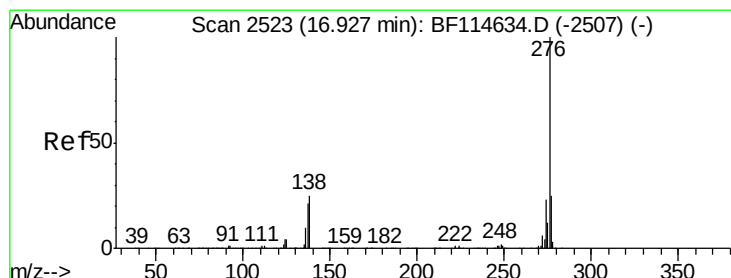
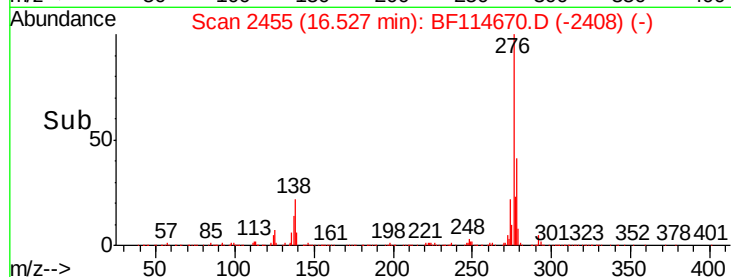
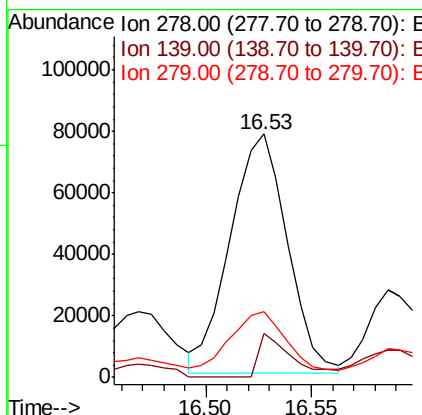
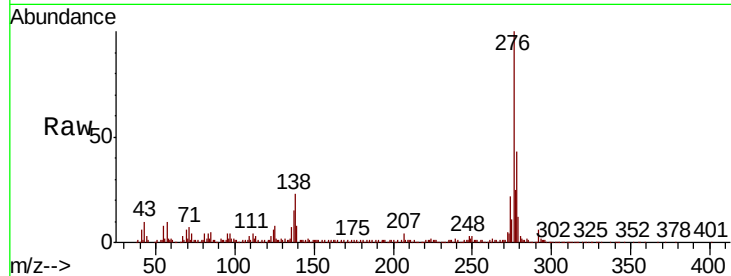
#91
Dibenzo(a,h)anthracene
Concen: 2.759 ng
RT: 16.53 min Scan# 2455
Delta R.T. -0.02 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Instrument :
BNA_F
ClientSampled :
TP-3B-S

Tot Ion:278	Resp:	146887
Ion Ratio	Lower	Upper
278 100		
139 18.1	14.9	22.3
279 27.2	19.5	29.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 11.147 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.02 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Tgt Ion:276	Resp:	575991
Ion Ratio	Lower	Upper
276 100		
277 23.9	19.7	29.5
138 25.3	19.8	29.8

