

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114940.D
 Acq On : 11 Jun 2019 12:33
 Operator : HP/JU
 Sample : K3160-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-060619-C

Manual Integrations
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 6/12/2019 9:03:33 AM

Quant Time: Jun 11 13:25:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 16:44:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	229315	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	914733	20.00	ng	-0.01
39) Acenaphthene-d10	9.68	164	474296	20.00	ng	-0.01
64) Phenanthrene-d10	11.16	188	958800	20.00	ng	0.00
76) Chrysene-d12	13.78	240	639465	20.00	ng	-0.01
87) Perylene-d12	15.17	264	660522	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	1243196	91.75	ng	-0.01
7) Phenol-d6	6.30	99	1503697	92.01	ng	-0.01
23) Nitrobenzene-d5	7.22	82	915681	61.51	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	470290	91.15	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	1791855	59.96	ng	0.00
79) Terphenyl-d14	12.74	244	1975790	61.45	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	7.96	128	96999	2.301	ng	97
50) Dimethylphthalate	9.40	163	195783	5.492	ng	98
58) Fluorene	10.23	166	70832	2.407	ng	99
71) Phenanthrene	11.18	178	631879	13.583	ng	96
72) Anthracene	11.23	178	151625	3.211	ng	98
75) Fluoranthene	12.36	202	632219	13.140	ng	91
78) Pyrene	12.59	202	758316	13.616	ng	97
81) Benzo(a)anthracene	13.77	228	340009	7.191	ng	98
83) Chrysene	13.80	228	327228	6.892	ng	95
86) Indeno(1,2,3-cd)pyrene	16.47	276	132961	2.979	ng	95
88) Benzo(b)fluoranthene	14.78	252	390547m	9.082	ng	
89) Benzo(k)fluoranthene	14.80	252	136902m	3.668	ng	
90) Benzo(a)pyrene	15.11	252	280071	7.498	ng	# 94
92) Benzo(a,h,i)perylene	16.86	276	128934	4.100	ng	93

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

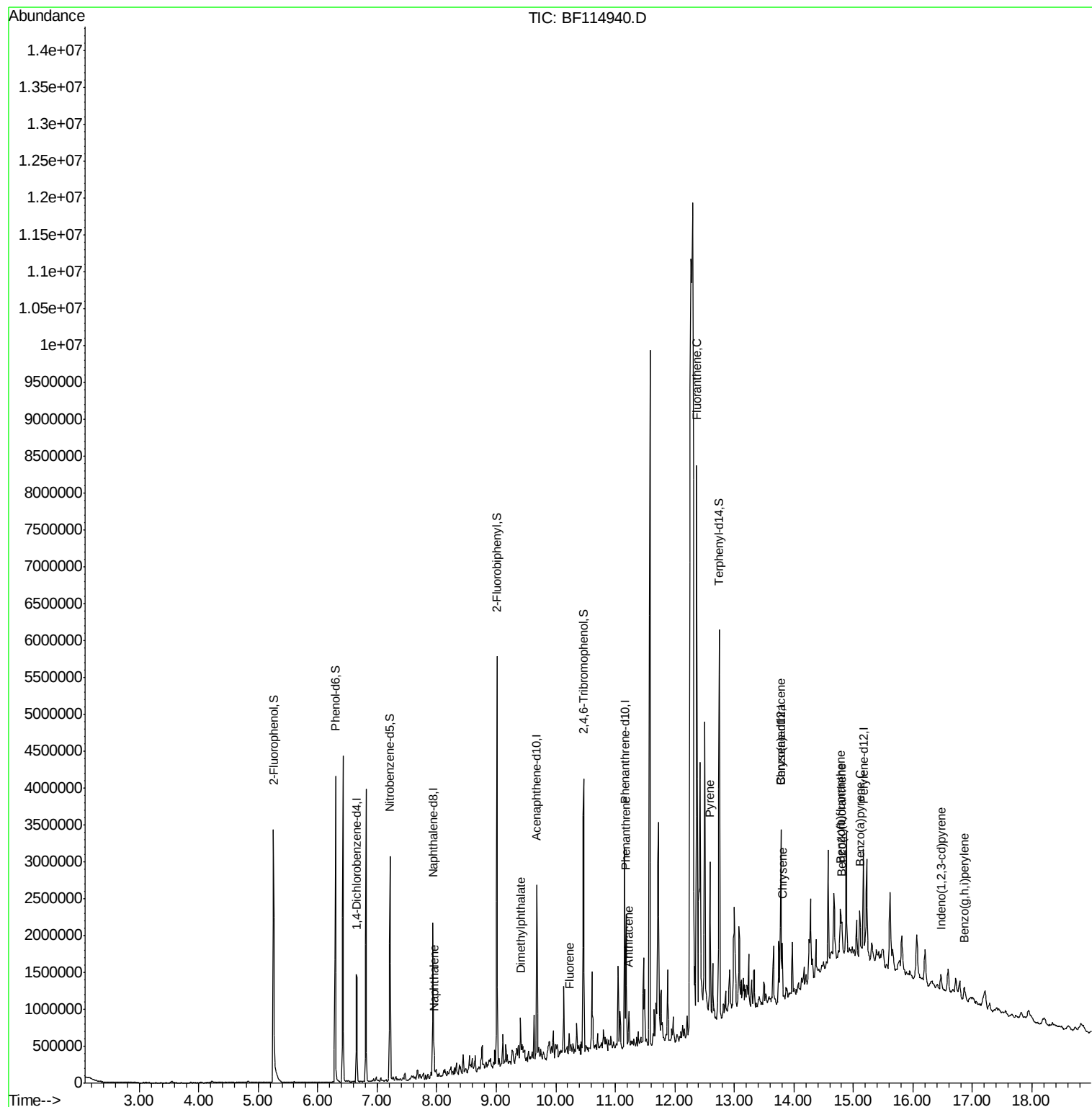
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
Data File : BF114940.D
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Sample : K3160-05
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ALS Vial : 6 Sample Multiplier: 1

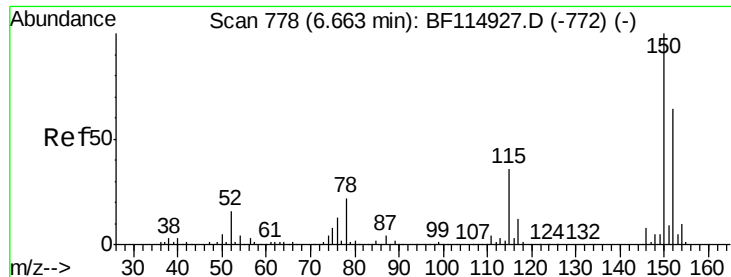
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

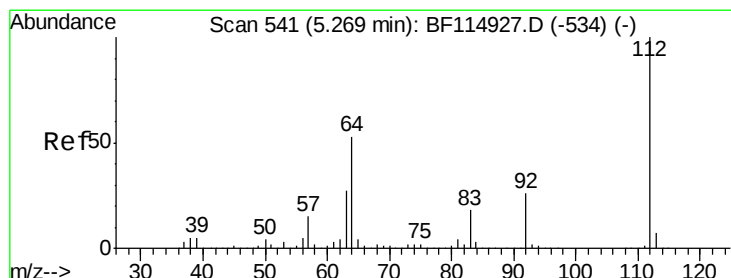
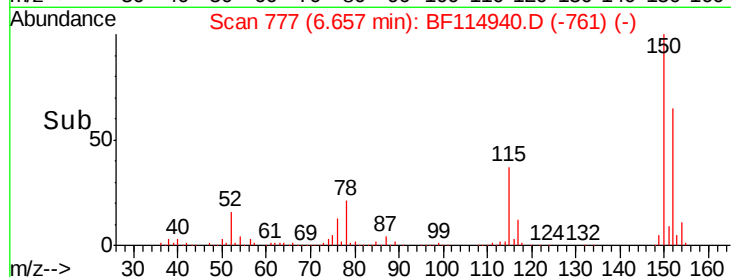
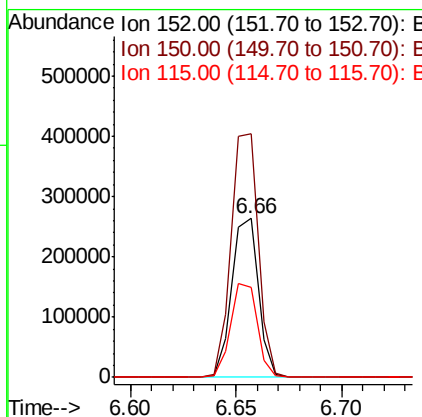
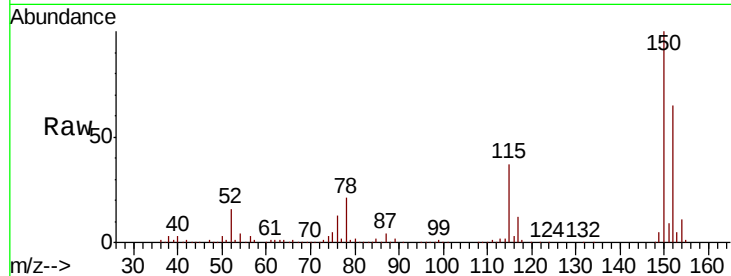
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Instrument :
BNA_F
ClientSampleId :
EO-02-060619-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	125.2	187.8
115	56.3	45.0	67.4

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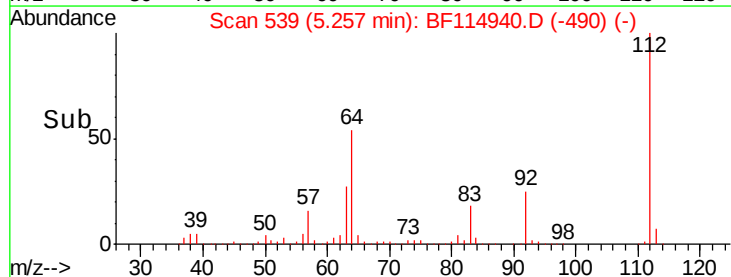
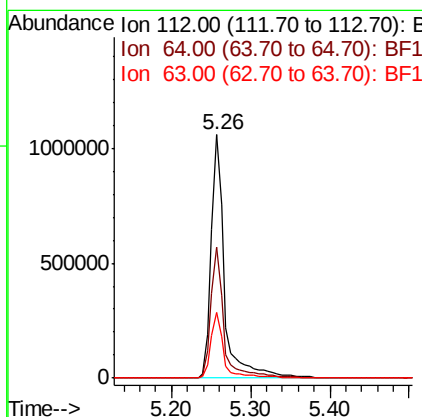
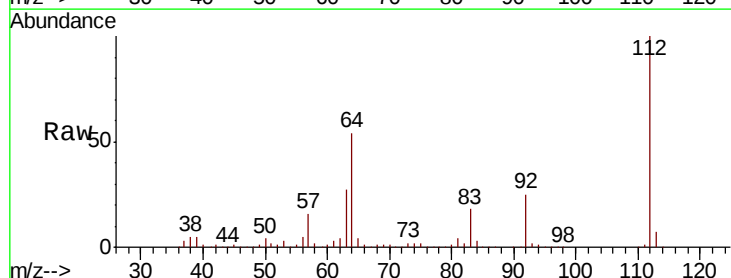
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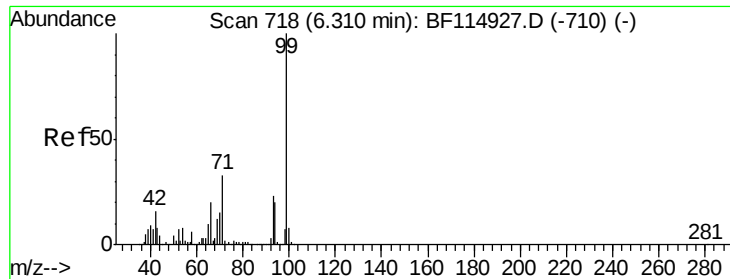


#5

2-Fluorophenol
Concen: 91.752 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	42.1	63.1
63	27.0	21.8	32.8





#7

Phenol-d6

Concen: 92.007 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF114940.D

Acq: 11 Jun 2019 12:33

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-C

Tot Ion: 99 Resp: 1503697

Ion Ratio Lower Upper

99 100

42 15.8 13.1 19.7

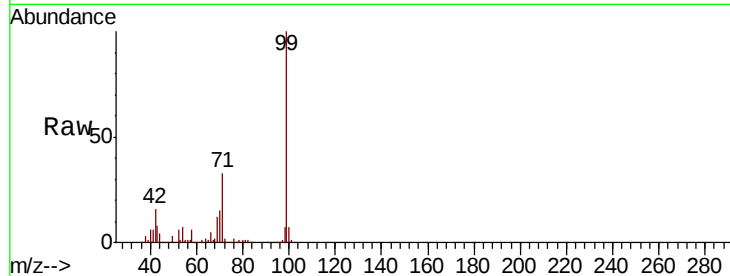
71 32.6 26.8 40.2

Manual Integrations

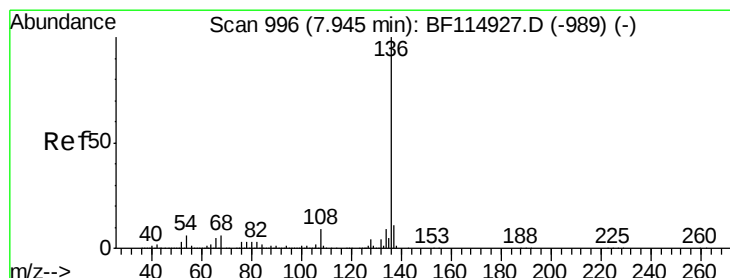
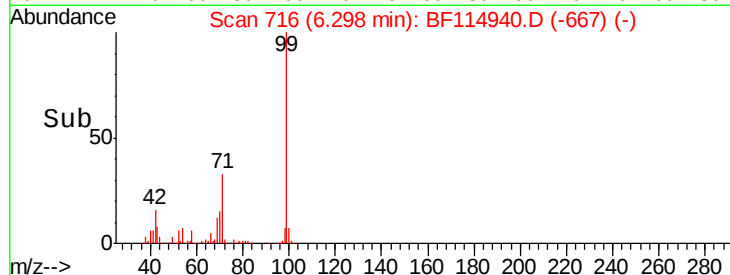
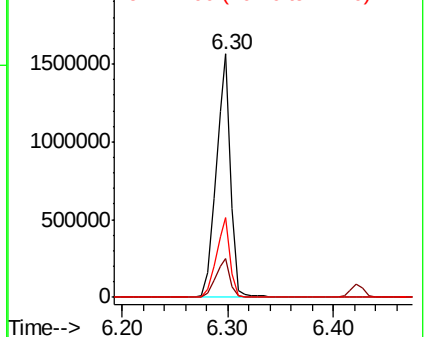
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BF114940.D

Acq: 11 Jun 2019 12:33

Tgt Ion: 136 Resp: 914733

Ion Ratio Lower Upper

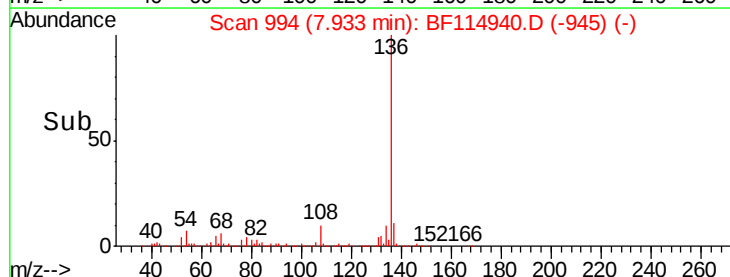
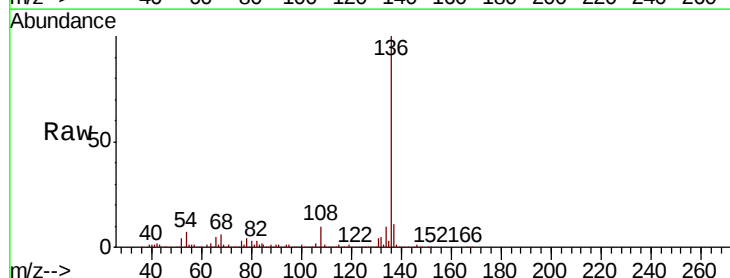
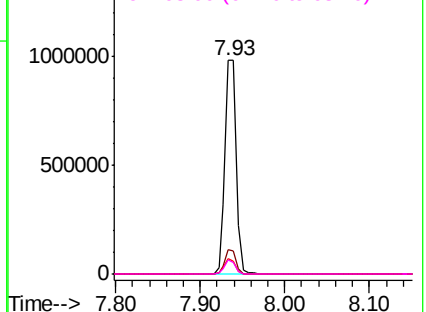
136 100

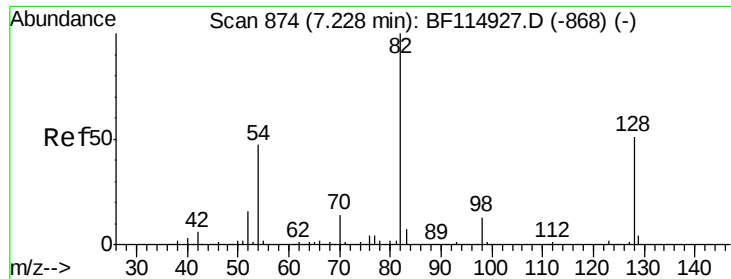
137 11.3 9.0 13.6

54 7.4 5.2 7.8

68 6.5 4.6 7.0

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





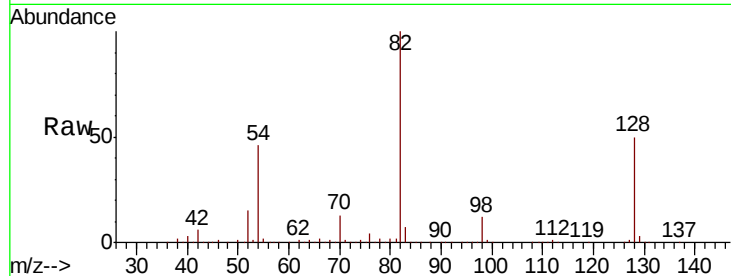
#23
Nitrobenzene-d5
Concen: 61.506 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Instrument :
BNA_F
ClientSampleId :
EO-02-060619-C

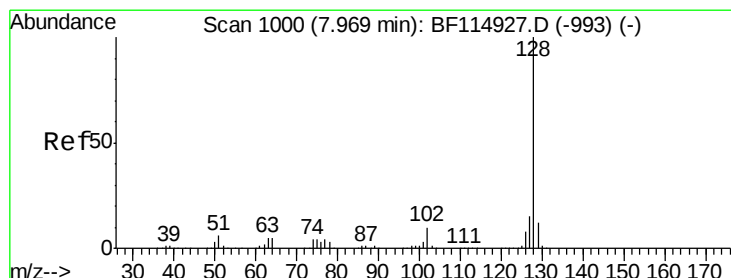
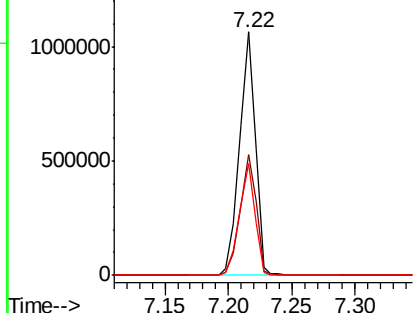
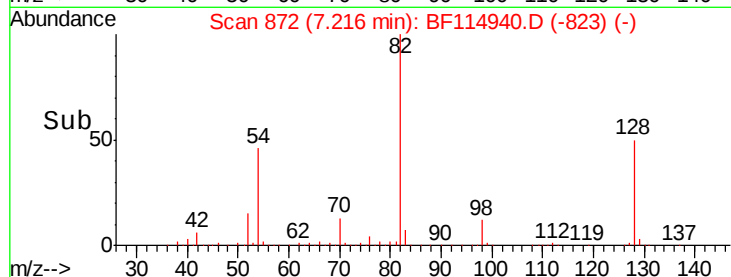
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.5	40.9	61.3
54	45.9	37.4	56.0

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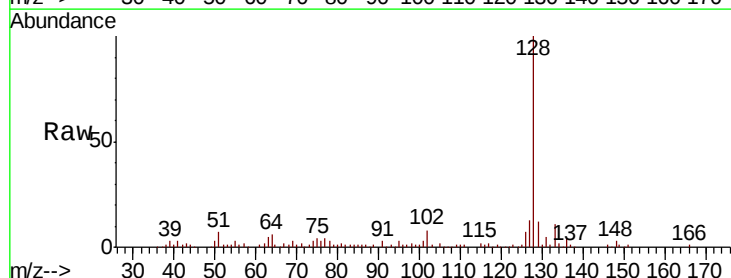


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

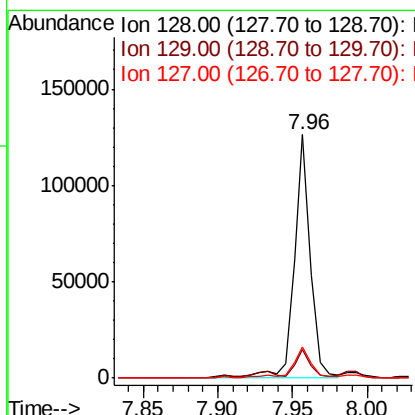
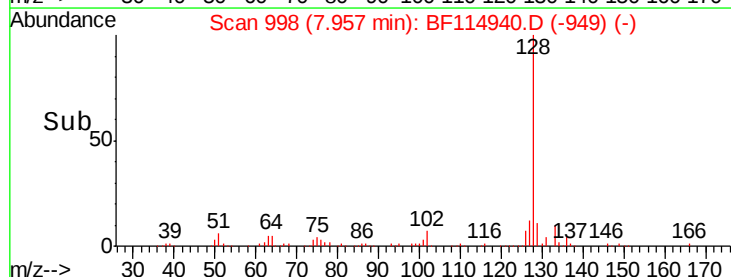


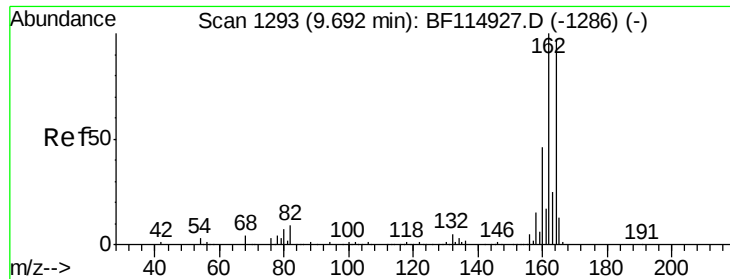
#31
Naphthalene
Concen: 2.301 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.8	14.8
127	12.7	11.8	17.6



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





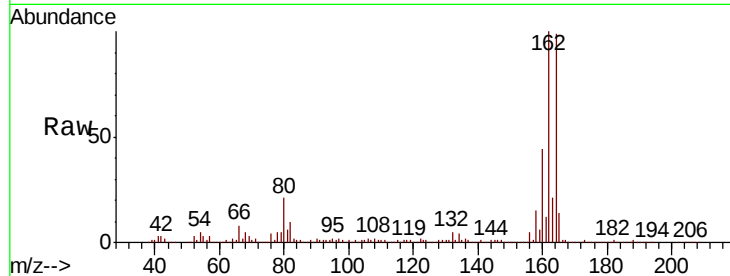
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Instrument :
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ClientSampleId :
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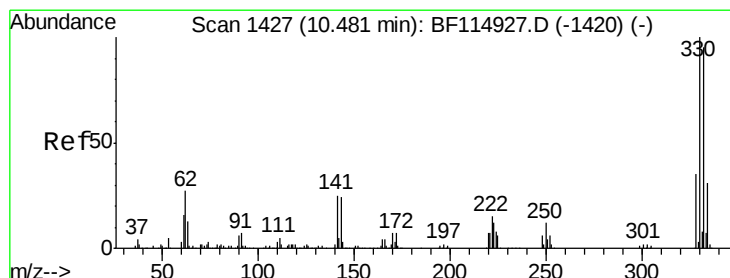
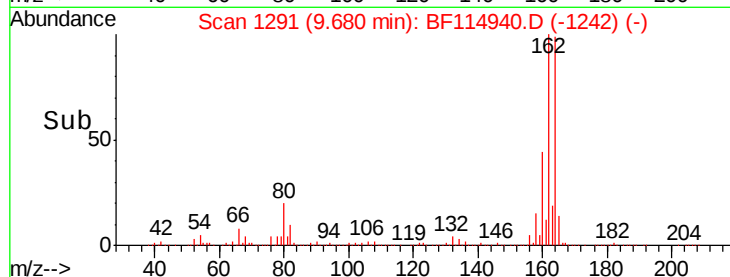
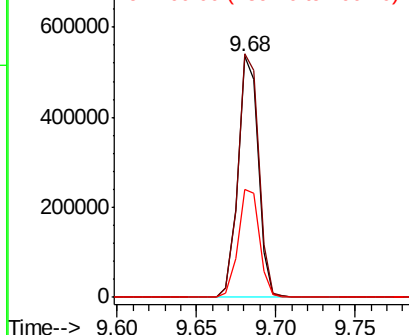
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.4	123.6
160	44.9	37.5	56.3

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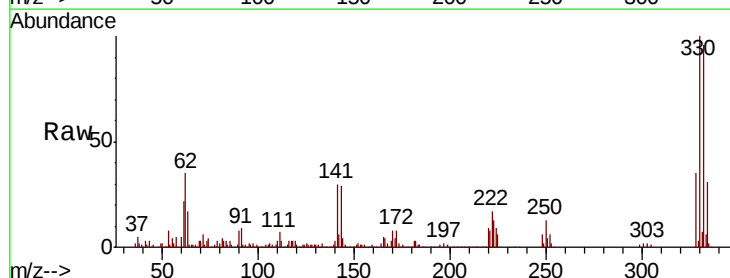


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

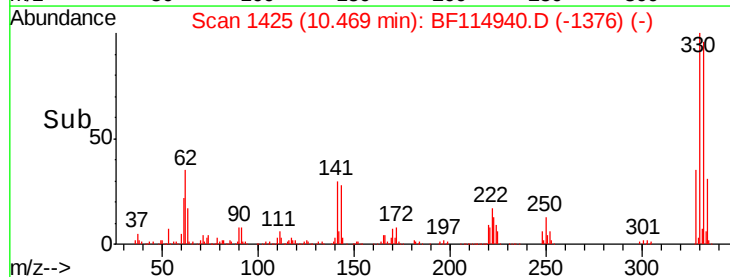
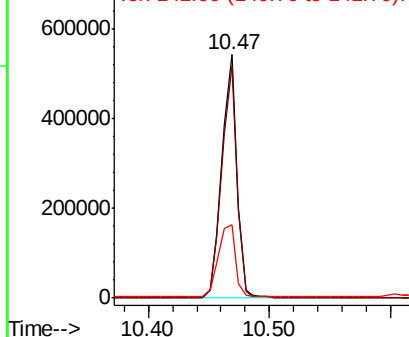


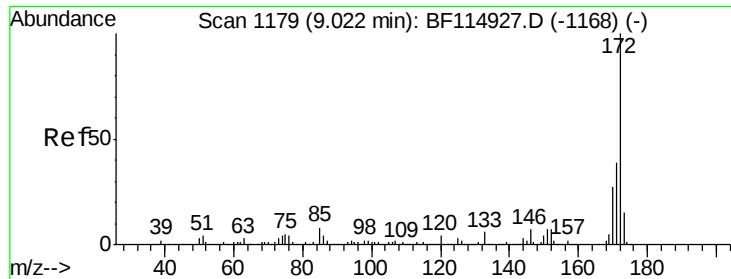
#42
2,4,6-Tribromophenol
Concen: 91.151 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.4	114.6
141	33.5	26.8	40.2



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





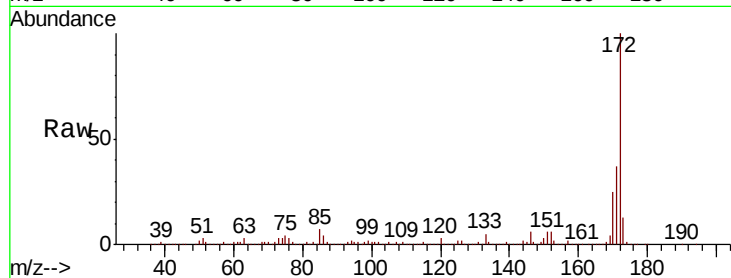
#45
2-Fluorobiphenyl
Concen: 59.958 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Instrument :
BNA_F
ClientSampleId :
EO-02-060619-C

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	31.3	46.9
170	25.2	21.4	32.0

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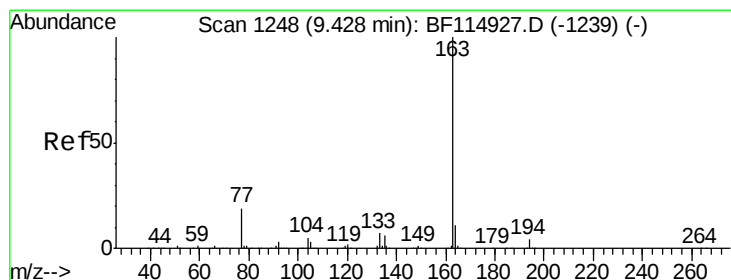
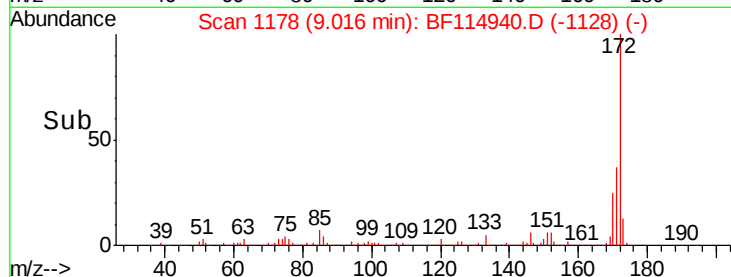
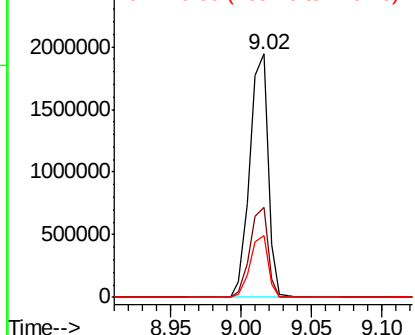


Abundance

Ion 172.00 (171.70 to 172.70): E

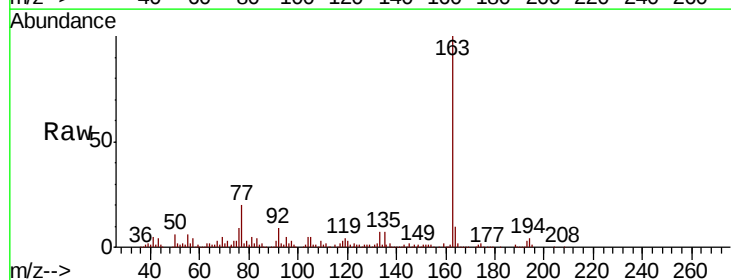
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 5.492 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	8.7	13.1

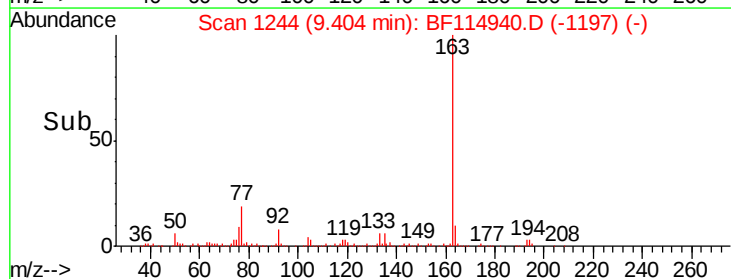
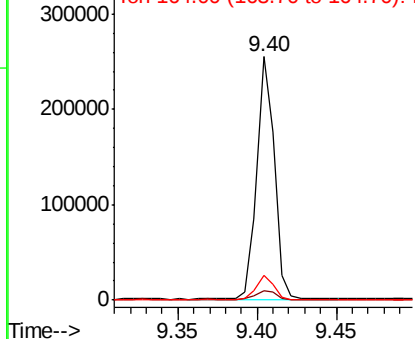


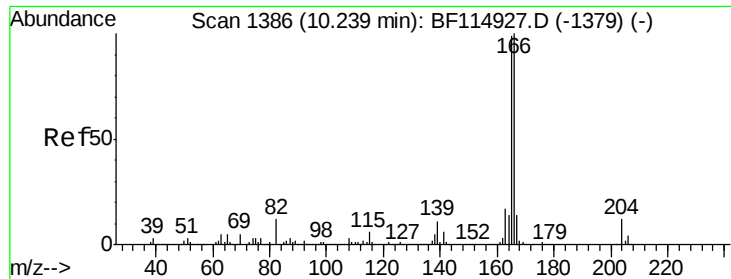
Abundance

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





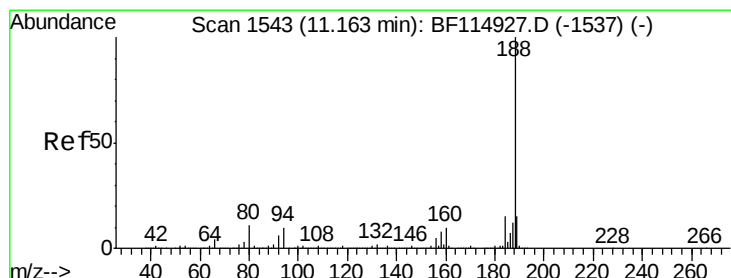
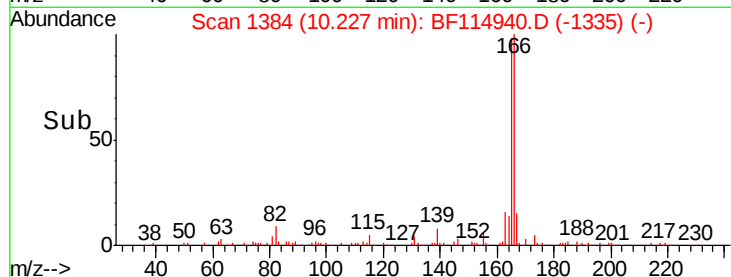
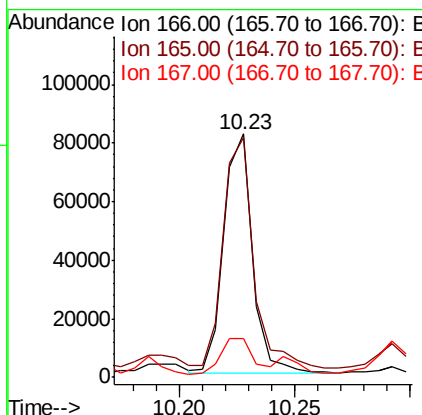
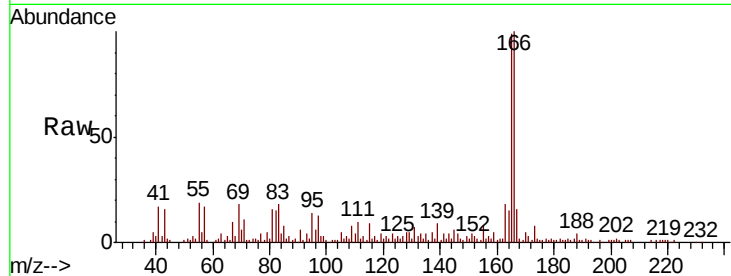
#58
 Fluorene
 Concen: 2.407 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BF114940.D
 Acq: 11 Jun 2019 12:33

Instrument :
 BNA_F
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 EO-02-060619-C

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.2	118.8
167	15.8	11.0	16.6

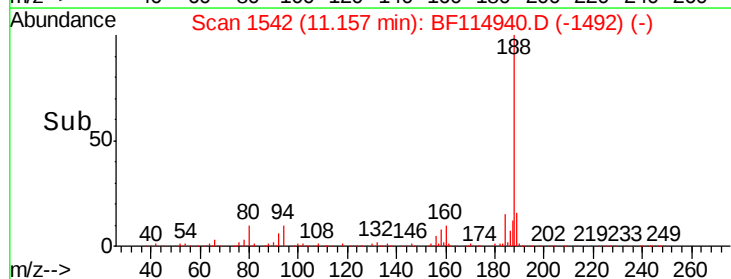
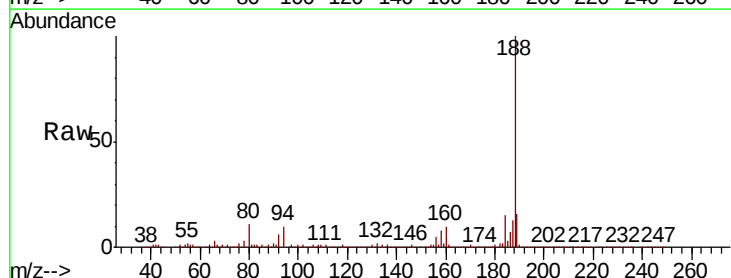
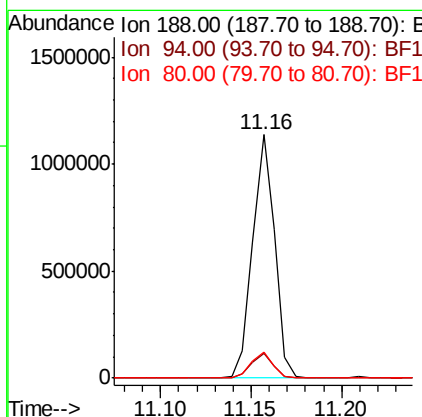
Manual Integrations
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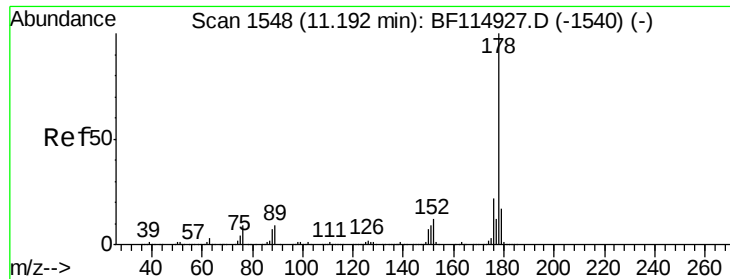
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1542
 Delta R.T. -0.01 min
 Lab File: BF114940.D
 Acq: 11 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.1	12.1
80	10.6	8.6	12.8





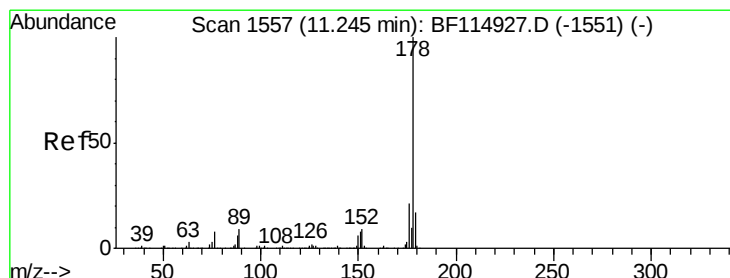
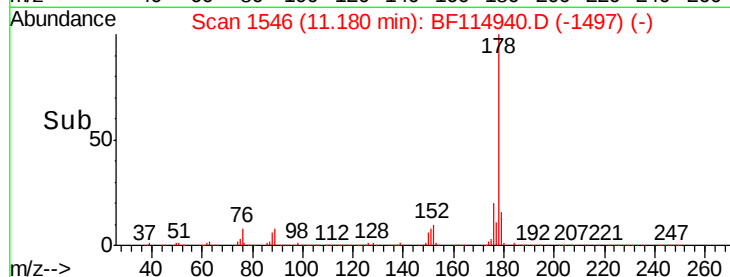
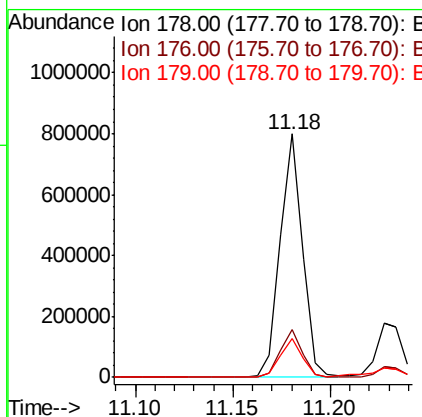
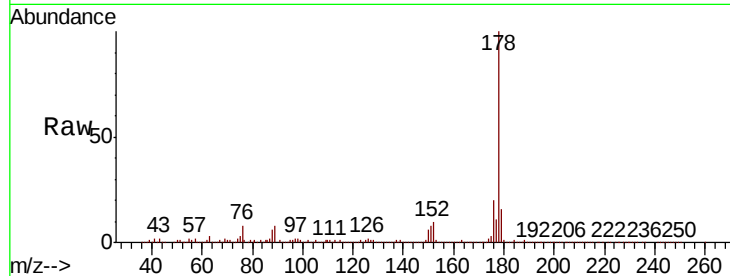
#71
Phenanthrene
Concen: 13.583 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Instrument :
BNA_F
ClientSampleId :
EO-02-060619-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	17.4	26.2
179	16.0	13.6	20.4

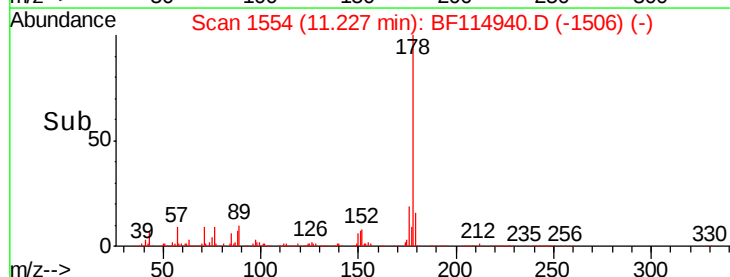
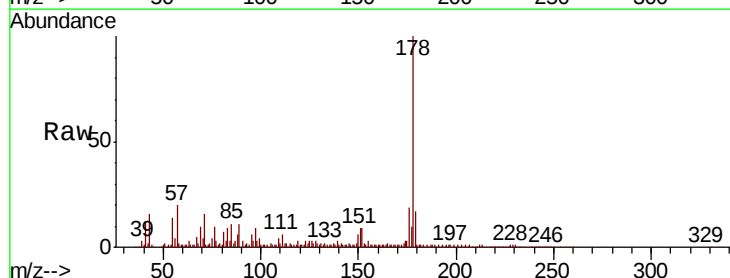
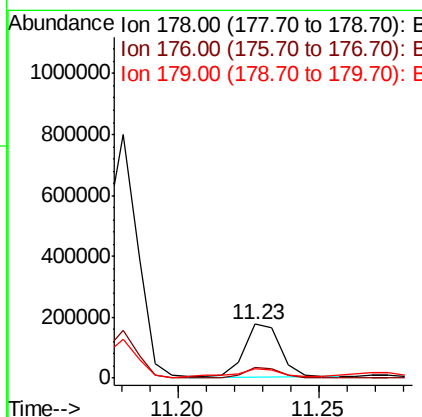
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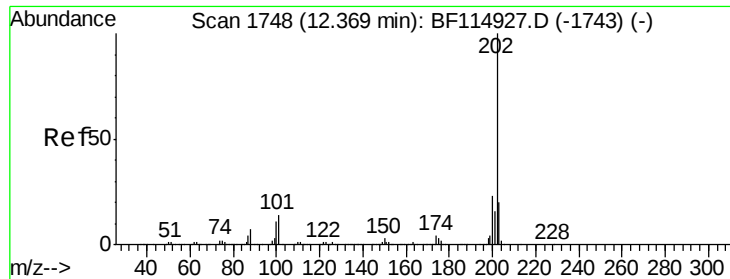
mohammad
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#72
Anthracene
Concen: 3.211 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.6	25.0
179	17.1	13.4	20.2





#75

Fluoranthene

Concen: 13.140 ng

RT: 12.36 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BF114940.D

Acq: 11 Jun 2019 12:33

Instrument :

BNA_F

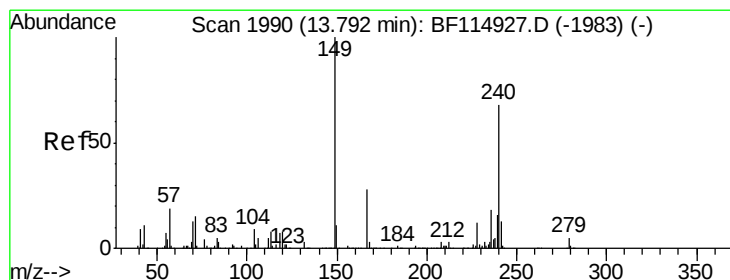
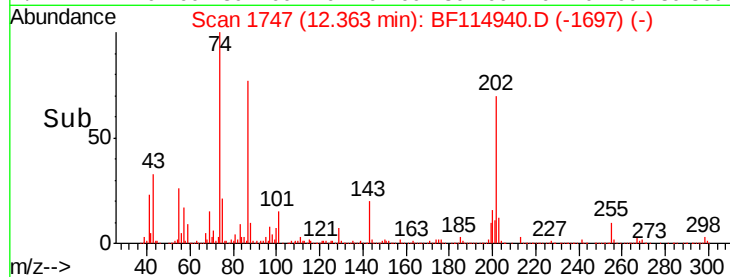
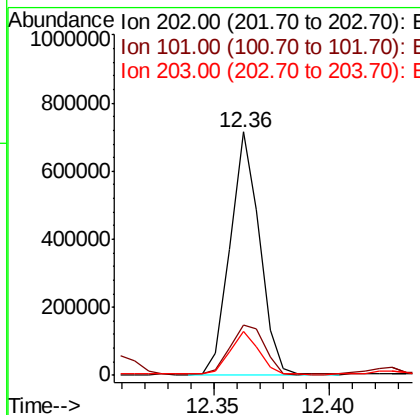
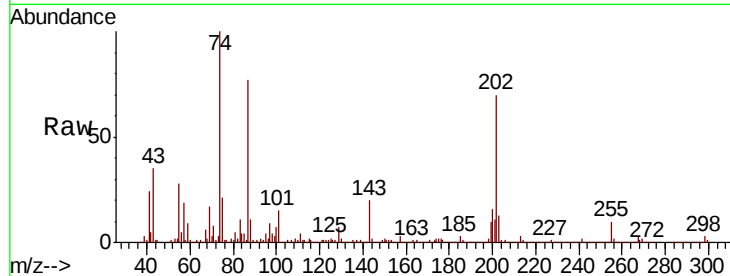
ClientSampleId :

EO-02-060619-C

Tot Ion:	202	Resp:	632219
Ion Ratio	Lower	Upper	
202	100		
101	20.7	0.0	34.3
203	17.9	0.0	39.6

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#76

Chrysene-d12

Concen: 20.000 ng

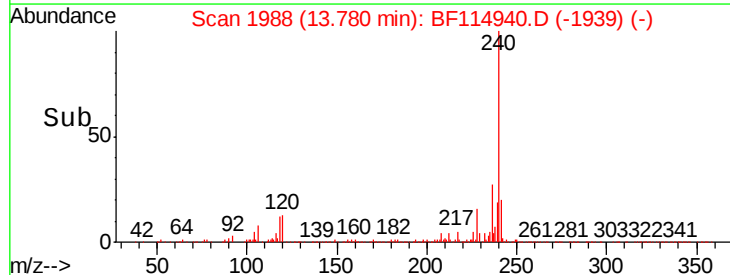
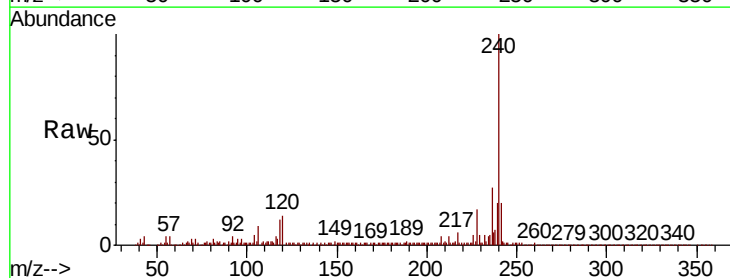
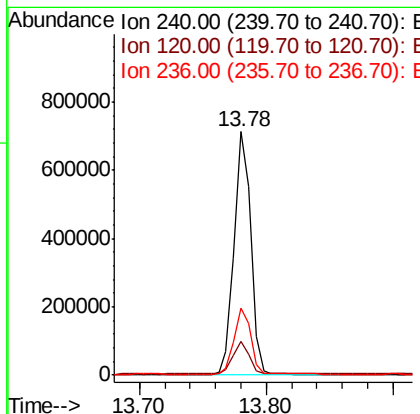
RT: 13.78 min Scan# 1988

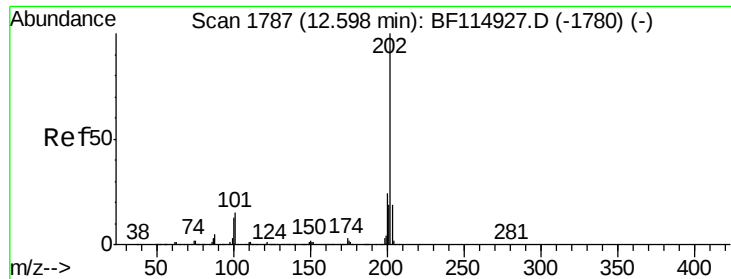
Delta R.T. -0.01 min

Lab File: BF114940.D

Acq: 11 Jun 2019 12:33

Tgt Ion:	240	Resp:	639465
Ion Ratio	Lower	Upper	
240	100		
120	14.0	9.2	13.8#
236	27.3	21.7	32.5





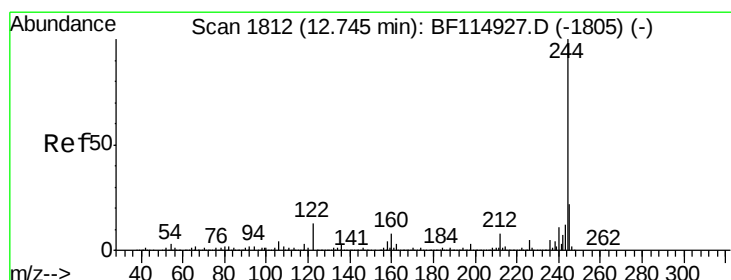
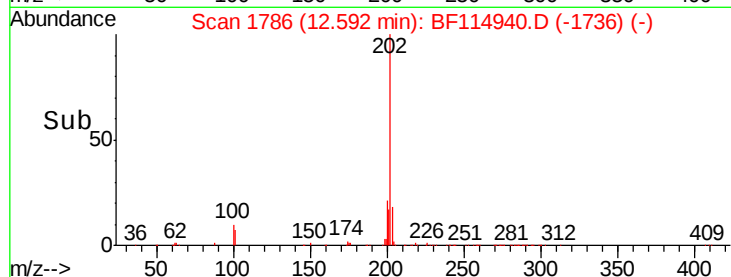
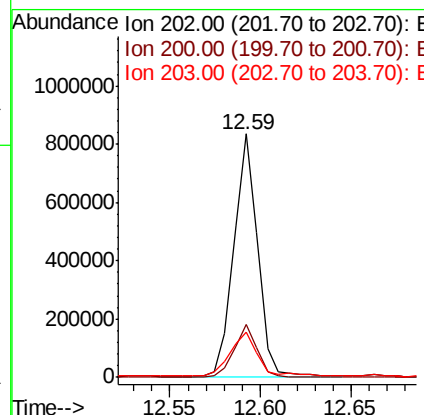
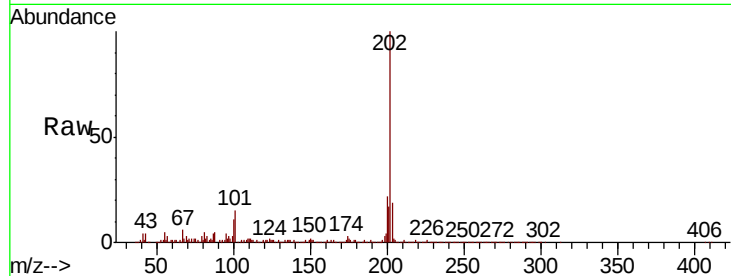
#78
Pvrene
Concen: 13.616 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Instrument :
BNA_F
ClientSampleId :
EO-02-060619-C

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.9	28.3
203	18.6	15.2	22.8

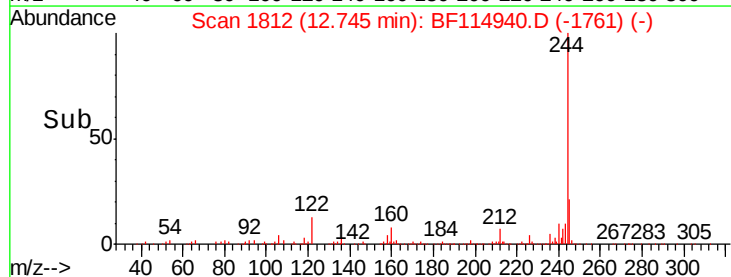
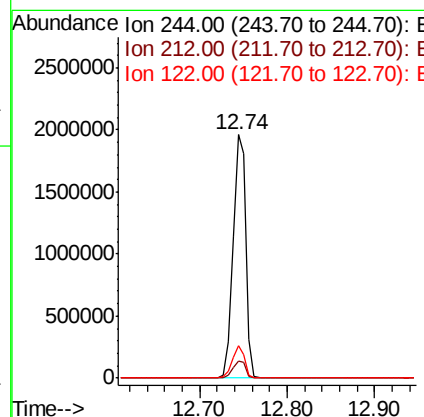
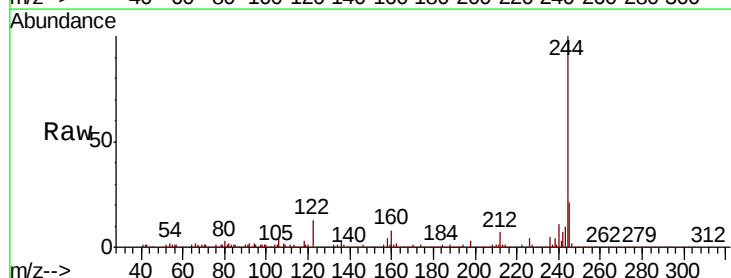
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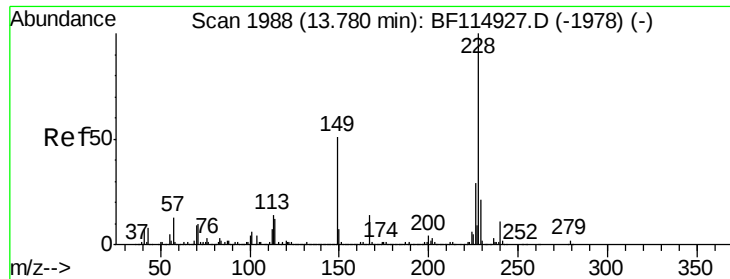
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#79
Terphenyl-d14
Concen: 61.446 ng
RT: 12.74 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	13.1	10.2	15.4





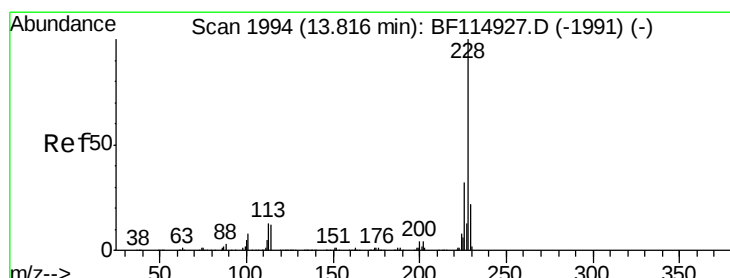
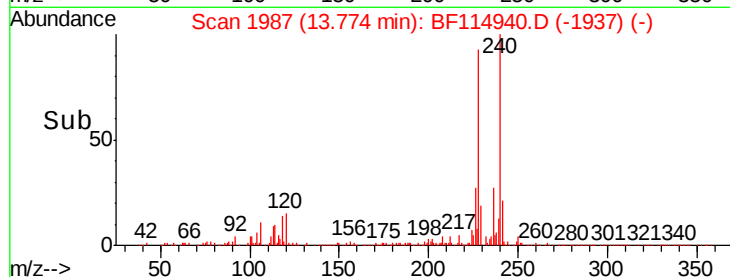
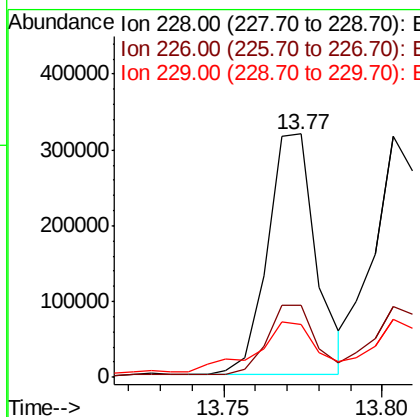
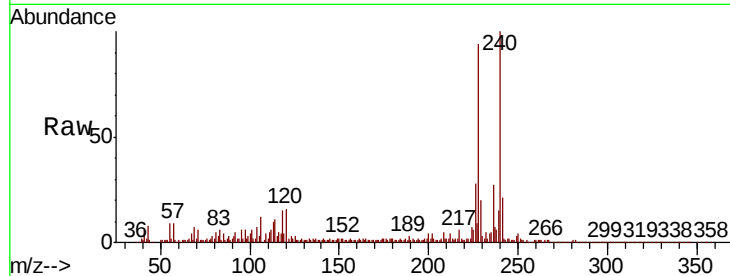
#81
Benzo(a)anthracene
Concen: 7.191 ng
RT: 13.77 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Instrument :
BNA_F
ClientSampleId :
EO-02-060619-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.8	34.2
229	21.8	16.6	25.0

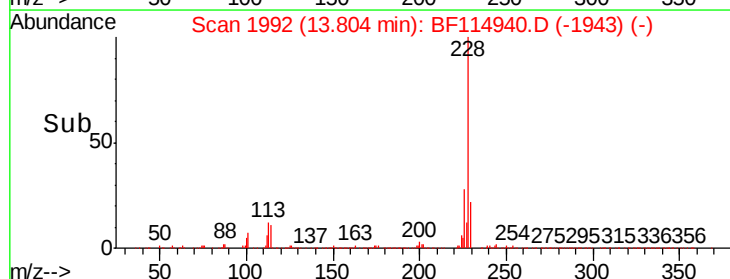
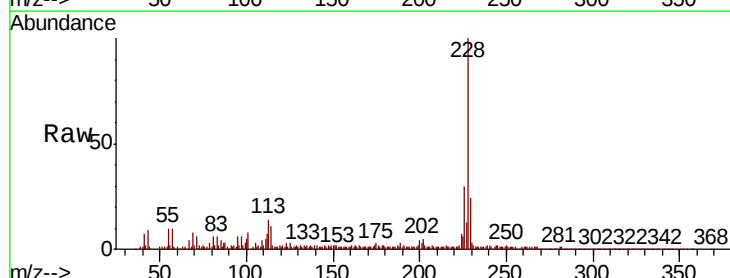
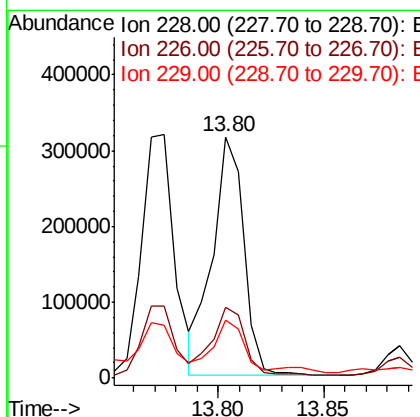
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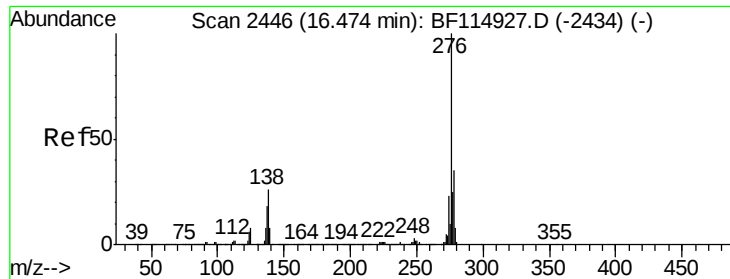
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#83
Chrysene
Concen: 6.892 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.8	38.8
229	24.2	17.2	25.8





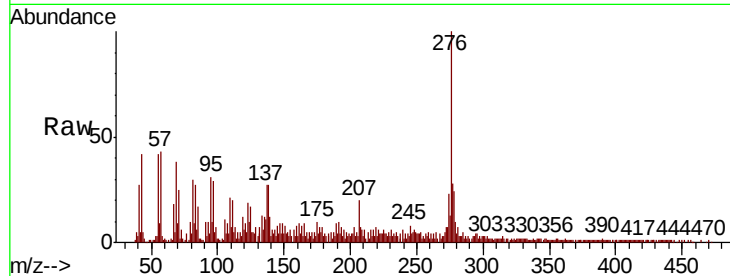
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.979 ng
RT: 16.47 min Scan# 2446
Delta R.T. -0.00 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Instrument :
BNA_F
ClientSampleId :
EO-02-060619-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.6	23.3	34.9
277	24.0	20.5	30.7

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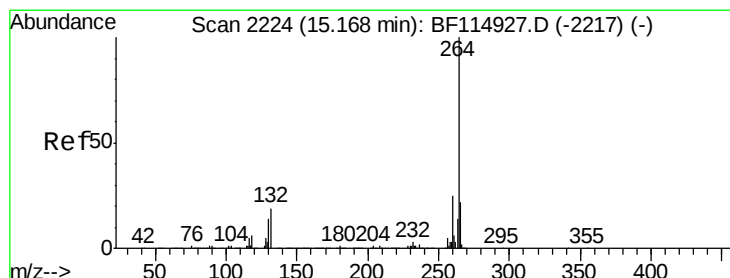
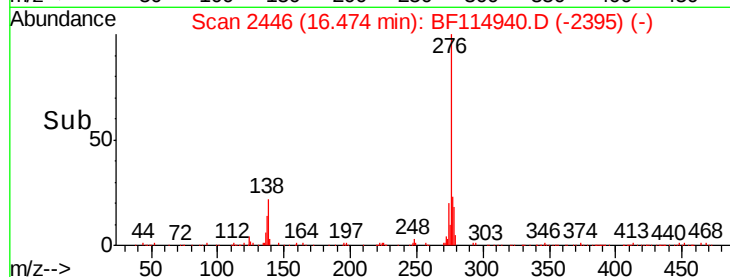
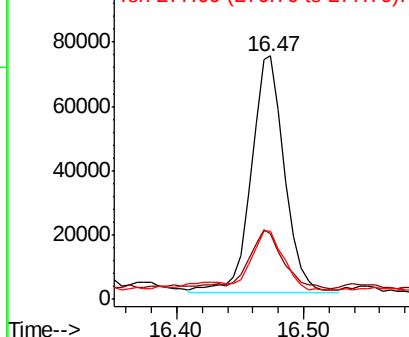


Abundance

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: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

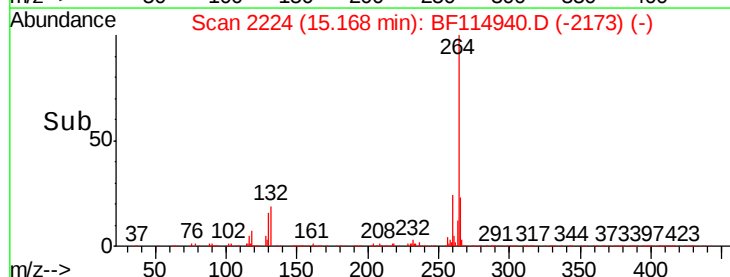
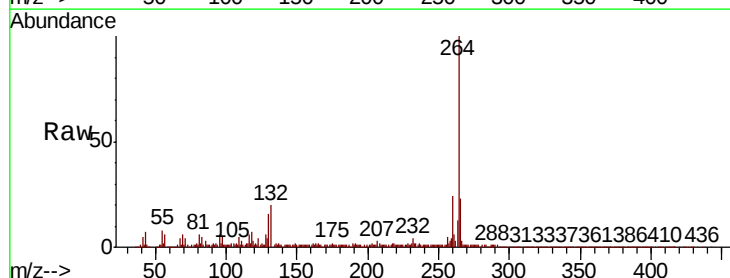
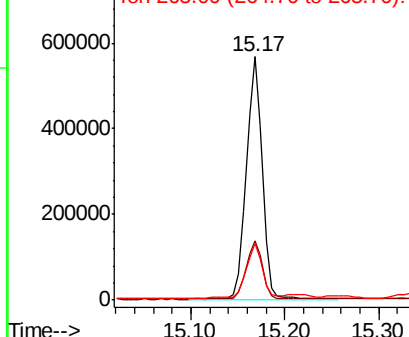
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.7	29.5
265	23.2	17.5	26.3

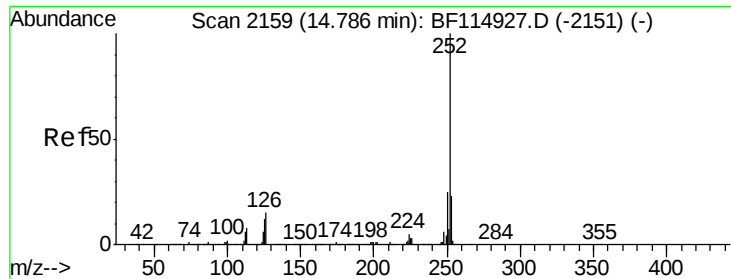
Abundance

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





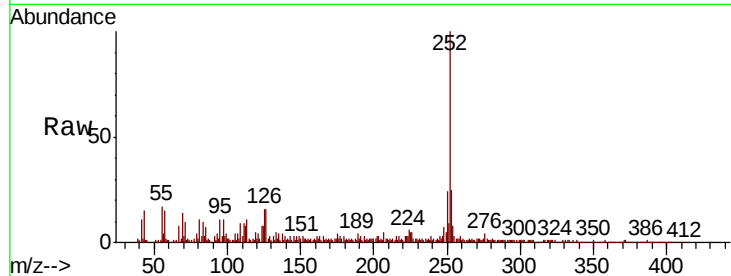
#88
Benzo(b)fluoranthene
Concen: 9.082 ng m
RT: 14.78 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Instrument :
BNA_F
ClientSampleId :
EO-02-060619-C

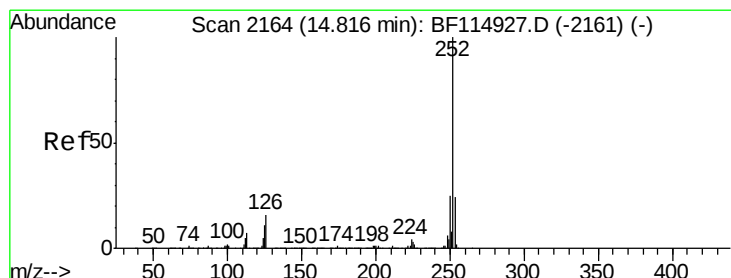
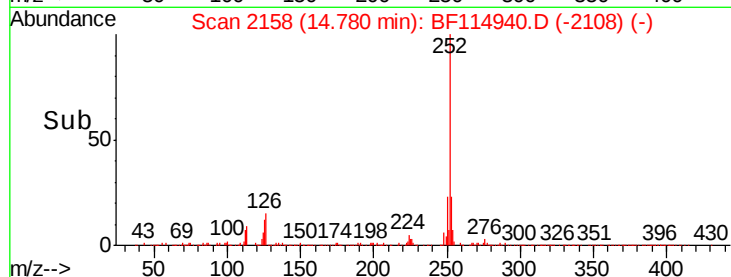
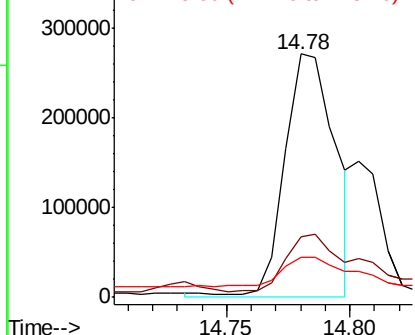
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.6	28.0
125	16.5	9.5	14.3

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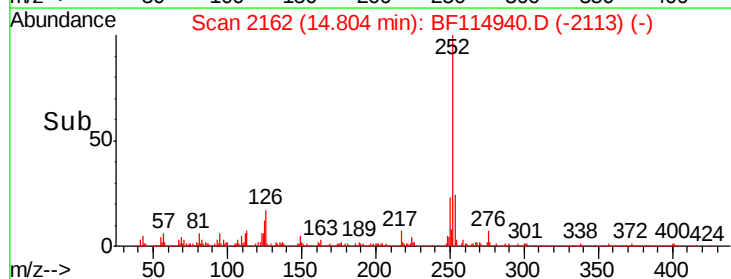
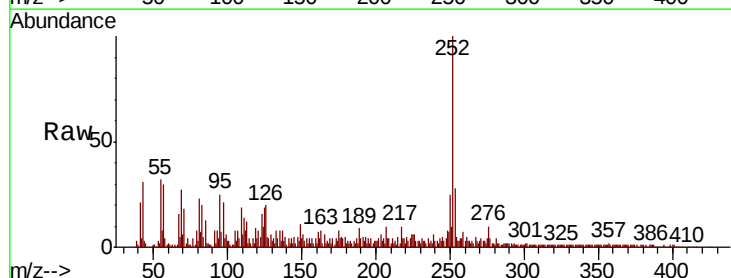
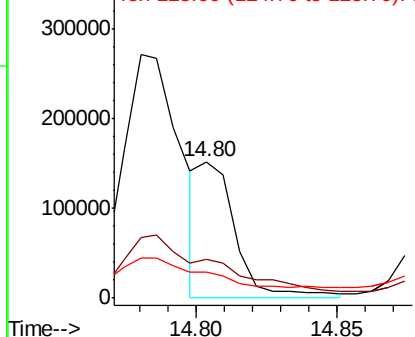
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

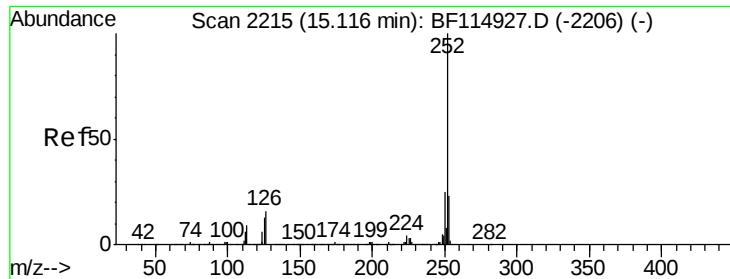


#89
Benzo(k)fluoranthene
Concen: 3.668 ng m
RT: 14.80 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	18.6	28.0
125	19.5	9.2	13.8

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





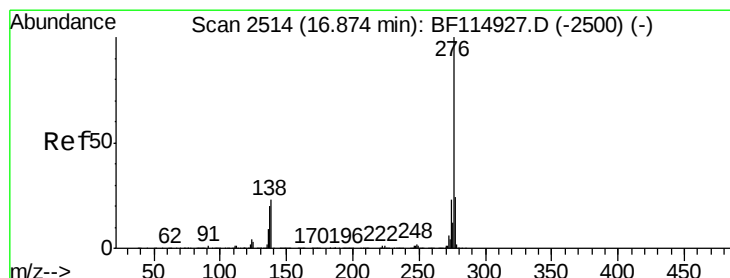
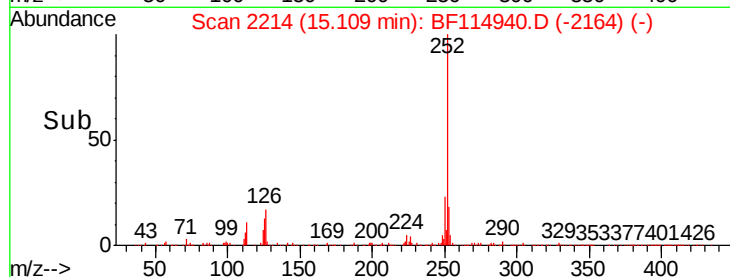
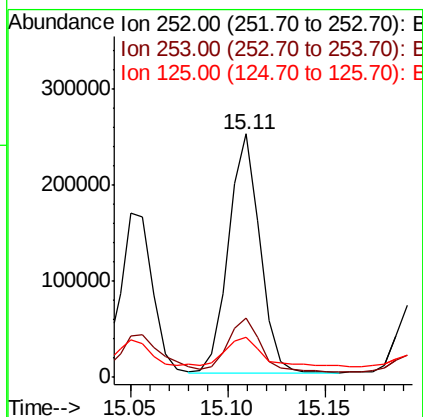
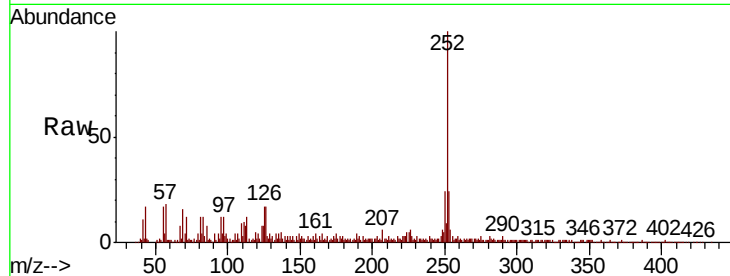
#90
Benzo(a)pyrene
Concen: 7.498 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Instrument :
BNA_F
ClientSampleId :
EO-02-060619-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	16.6	10.1	15.1

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#92
Benzo(g,h,i)perylene
Concen: 4.100 ng
RT: 16.86 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.0	28.6
138	27.1	18.7	28.1

