

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114945.D
 Acq On : 11 Jun 2019 14:45
 Operator : HP/JU
 Sample : K3160-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 6/12/2019 9:03:48 AM

Quant Time: Jun 11 16:26:34 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	244459	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	944768	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	468994	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	859898	20.00	ng	0.00
76) Chrysene-d12	13.79	240	645626	20.00	ng	0.00
87) Perylene-d12	15.19	264	481918	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	746481	51.68	ng	0.00
7) Phenol-d6	6.30	99	937892	53.83	ng	-0.01
23) Nitrobenzene-d5	7.22	82	538759	35.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	241022	47.24	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	1112551	37.65	ng	0.00
79) Terphenyl-d14	12.74	244	1106567	34.09	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.41	163	103743	2.943	ng	99
71) Phenanthrene	11.19	178	86077	2.063	ng	98
75) Fluoranthene	12.37	202	419410	9.719	ng	95
78) Pyrene	12.59	202	370884	6.596	ng	97
81) Benzo(a)anthracene	13.77	228	284161m	5.952	ng	
83) Chrysene	13.81	228	267256	5.575	ng	97
86) Indeno(1,2,3-cd)pyrene	16.49	276	101640	2.255	ng	96
88) Benzo(b)fluoranthene	14.80	252	297173m	9.472	ng	
89) Benzo(k)fluoranthene	14.82	252	116014m	4.261	ng	
90) Benzo(a)pyrene	15.12	252	177065	6.498	ng	# 86
92) Benzo(g,h,i)perylene	16.89	276	97994	4.271	ng	93

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

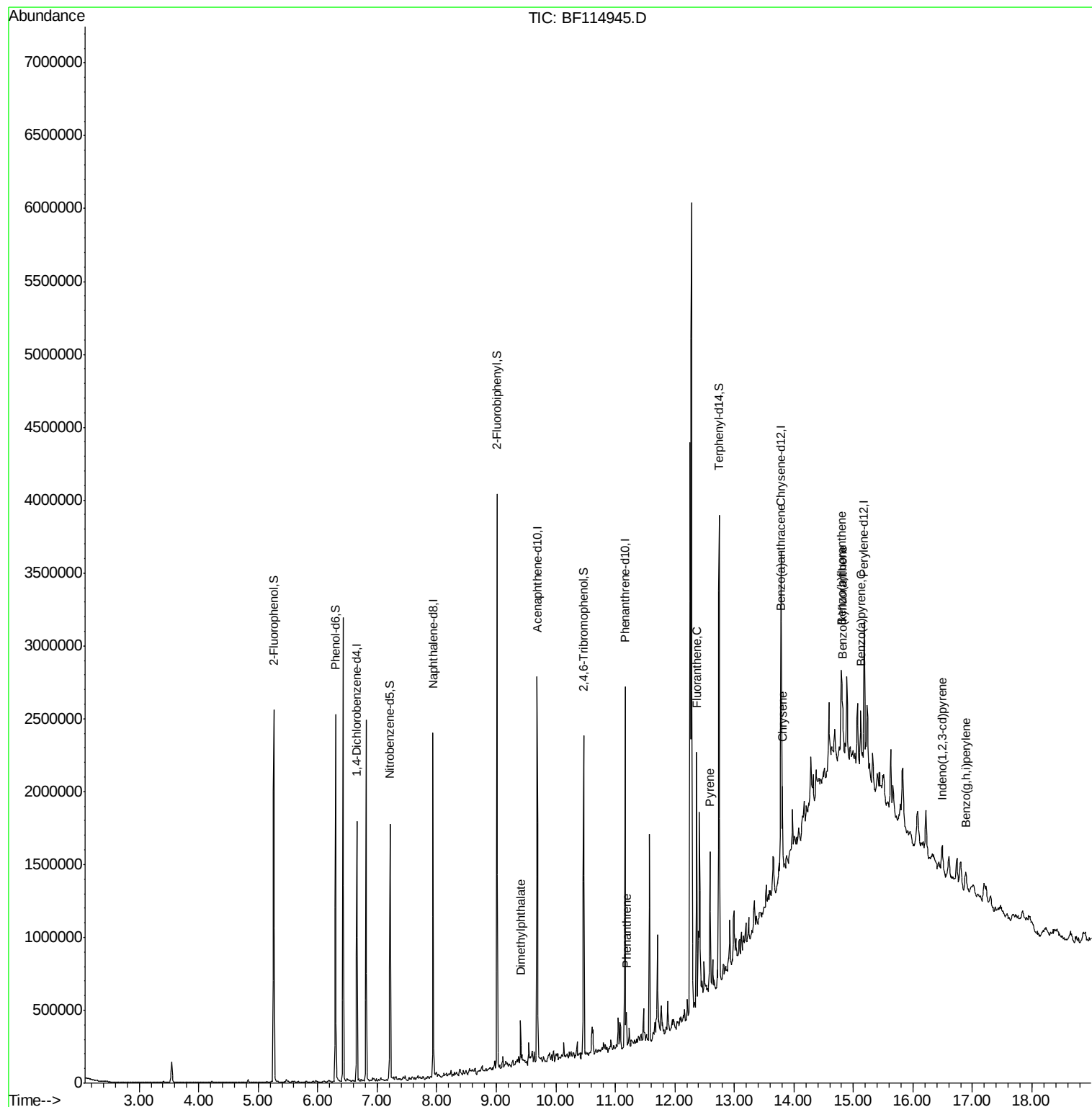
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
Data File : BF114945.D
Acq On : 11 Jun 2019 14:45
Operator : HP/JU
Sample : K3160-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

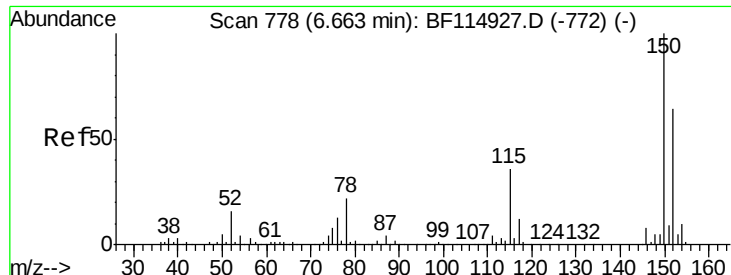
Instrument :
BNA_F
ClientSampleId :
EO-02-060619-A

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6/12/2019 9:03:48 AM

Quant Time: Jun 11 16:26:34 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





#1

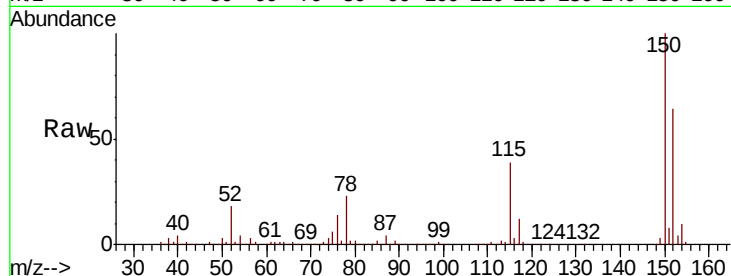
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.2	187.8
115	60.2	45.0	67.4

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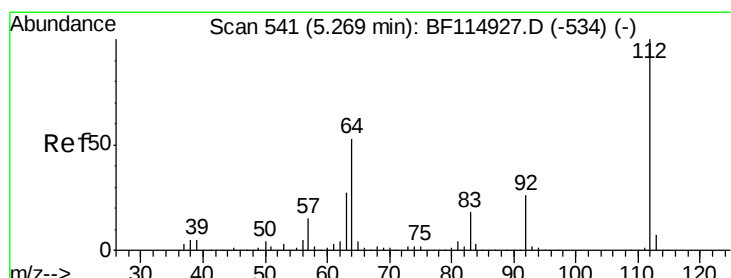
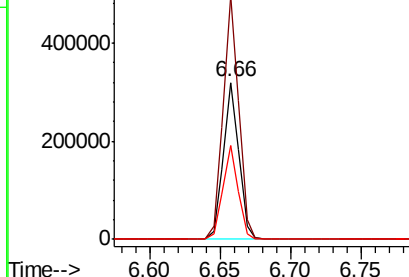
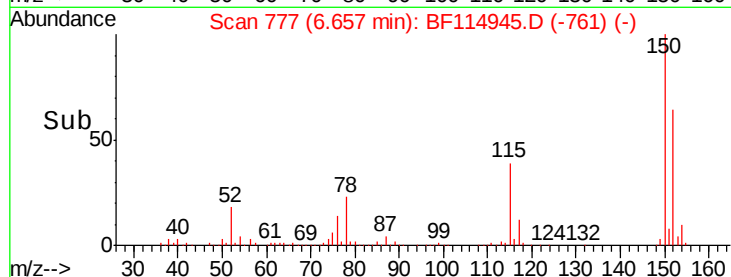


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

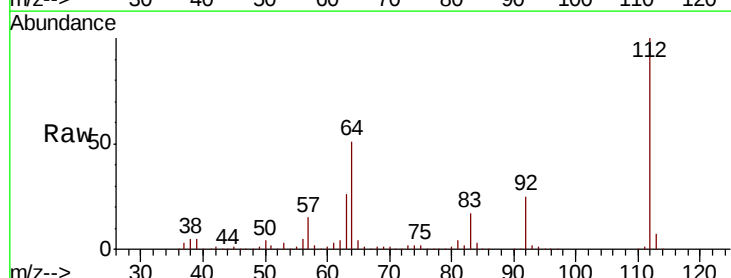
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.680 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.0	42.1	63.1
63	26.2	21.8	32.8

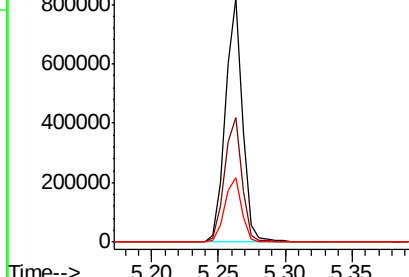
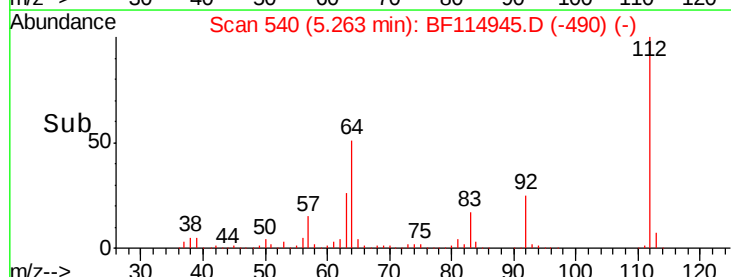


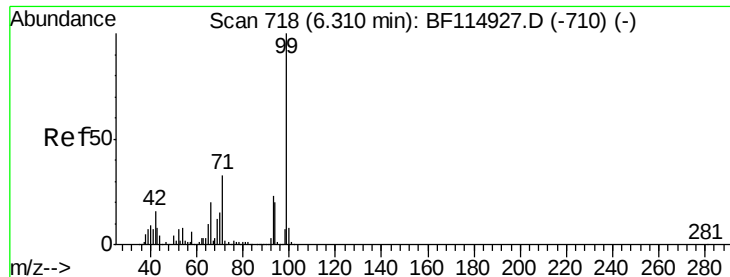
Abundance

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: 53.832 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

Instrument :

BNA_F

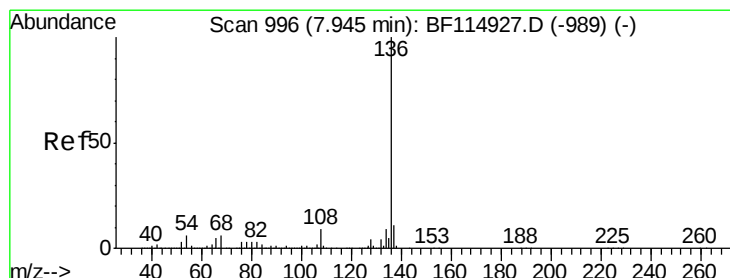
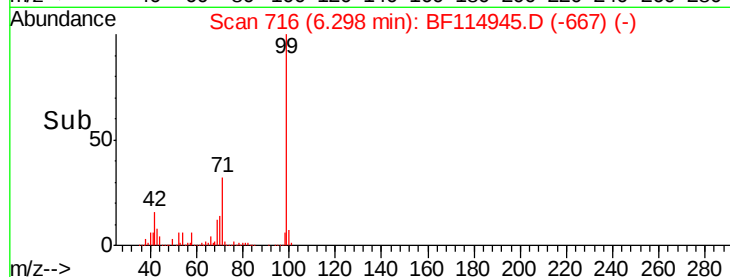
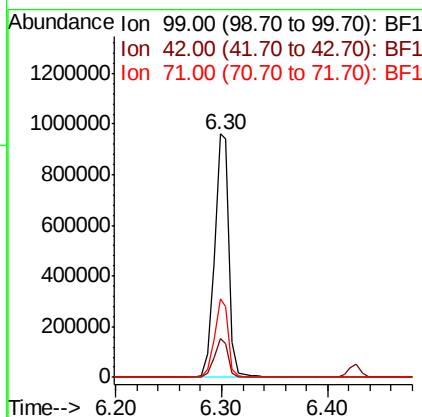
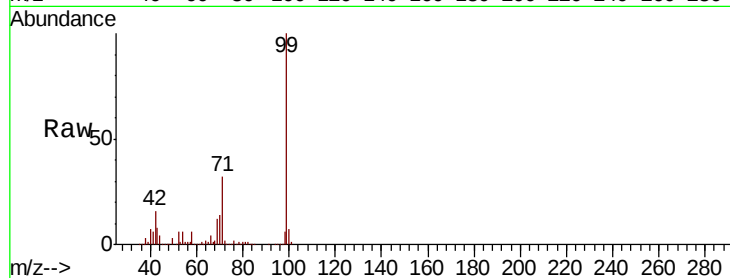
ClientSampleId :

EO-02-060619-A

Tot Ion:	99	Resp:	937892
Ion Ratio	Lower	Upper	
99	100		
42	16.1	13.1	19.7
71	32.0	26.8	40.2

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#21

Naphthalene-d8

Concen: 20.000 ng

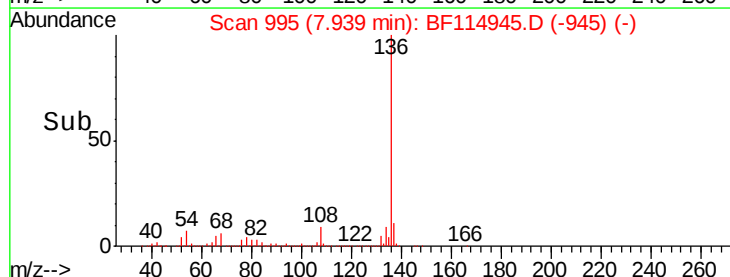
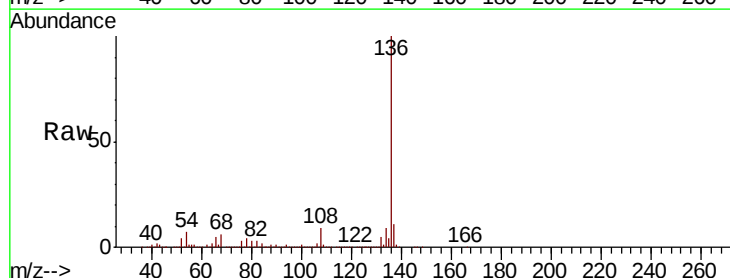
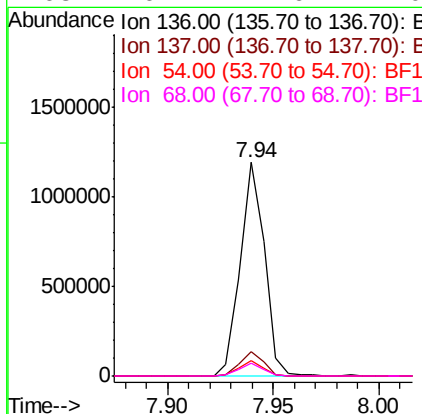
RT: 7.94 min Scan# 995

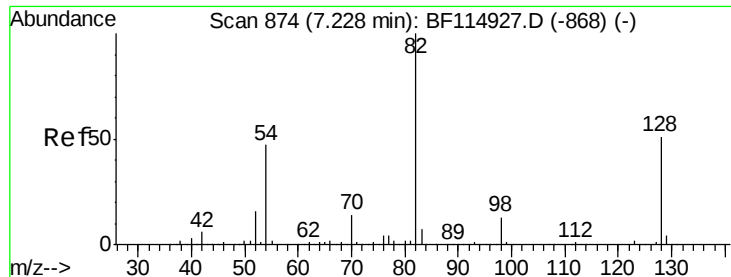
Delta R.T. -0.01 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

Tgt Ion:	136	Resp:	944768
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.0	13.6
54	7.0	5.2	7.8
68	6.2	4.6	7.0





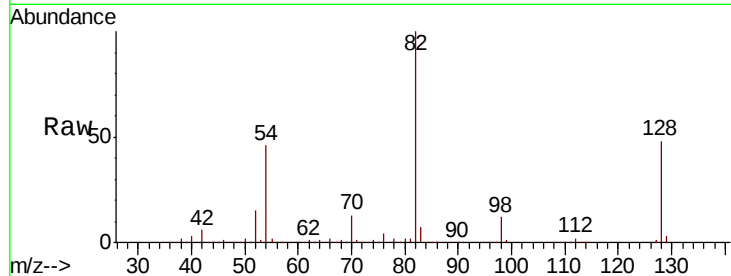
#23
 Nitrobenzene-d5
 Concen: 35.038 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: BF114945.D
 Acq: 11 Jun 2019 14:45

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

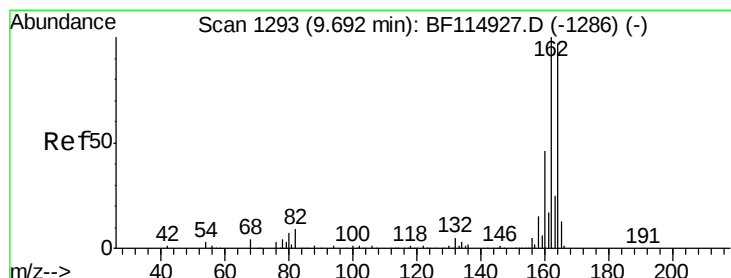
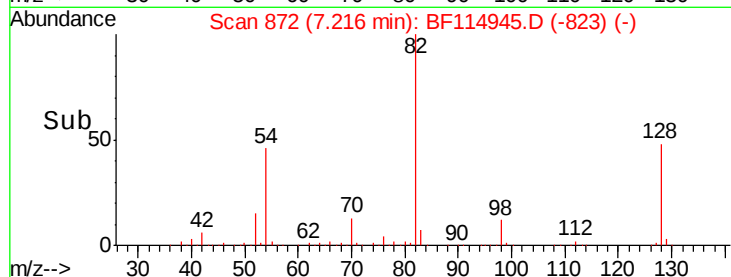
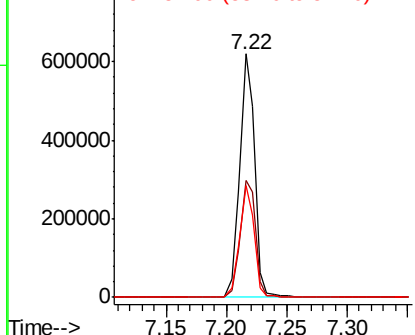
Tot Ion	Ratio	Resp	Lower	Upper
82	100	538759		
128	47.9		40.9	61.3
54	46.0		37.4	56.0

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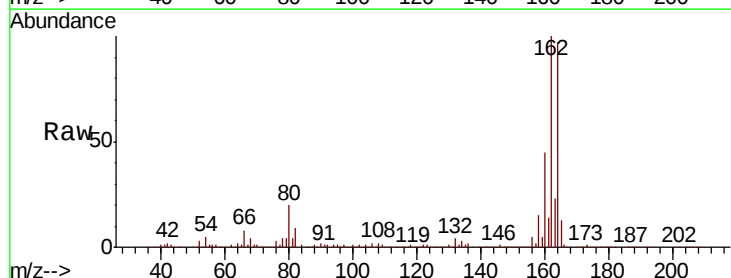


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

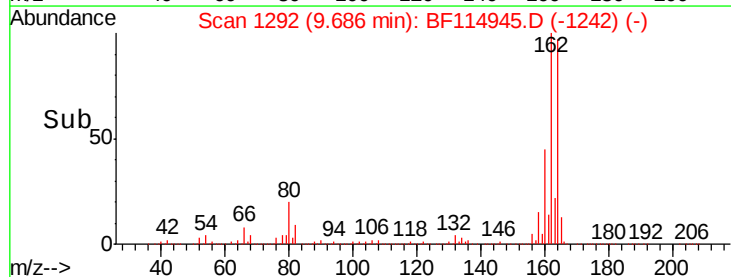
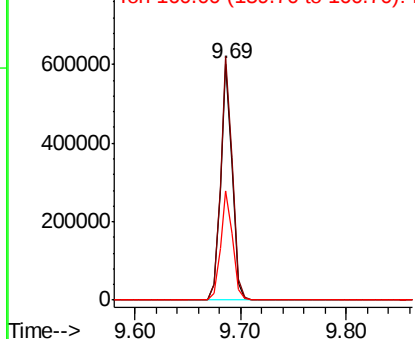


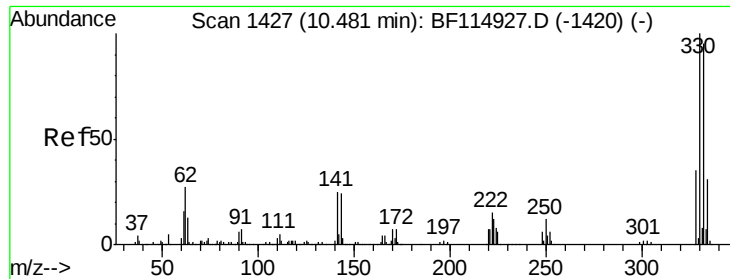
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF114945.D
 Acq: 11 Jun 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	468994		
162	103.1		82.4	123.6
160	46.2		37.5	56.3



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: 47.243 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

Instrument :

BNA_F

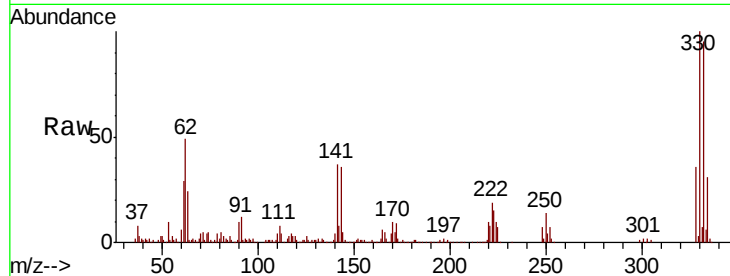
ClientSampleId :

EO-02-060619-A

Tot Ion:	330	Resp:	241022
Ion Ratio	Lower	Upper	
330	100		
332	97.6	76.4	114.6
141	34.2	26.8	40.2

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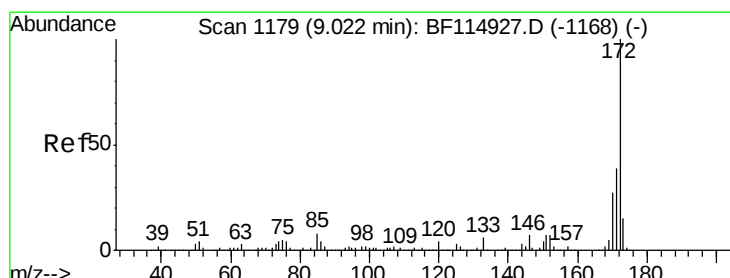
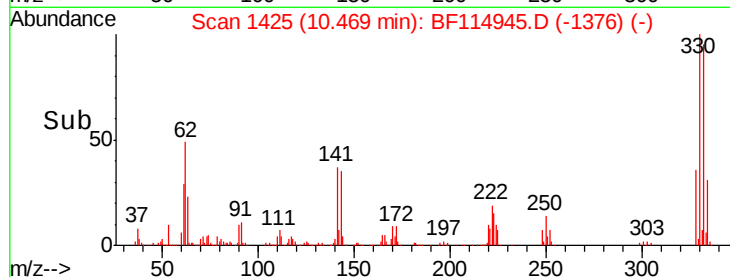
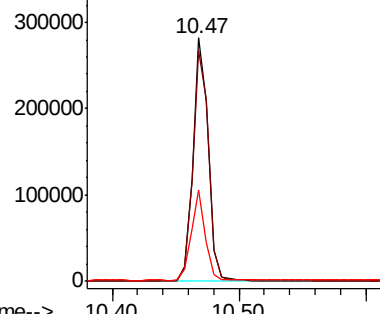


Abundance

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: 37.649 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

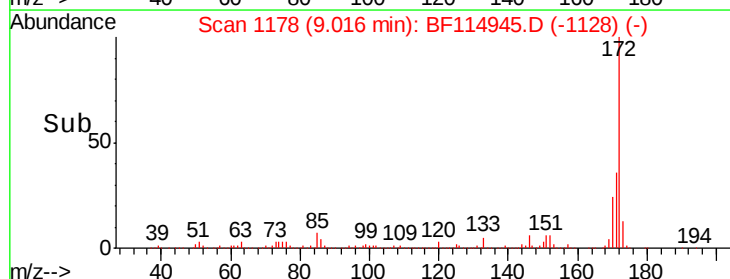
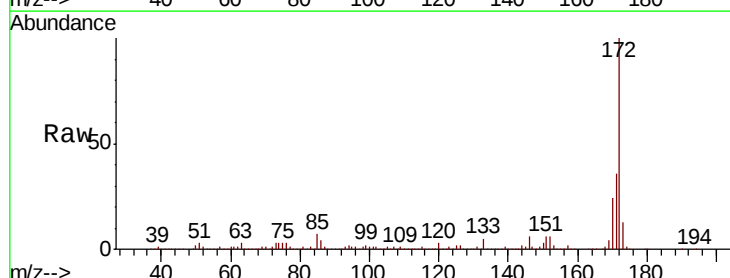
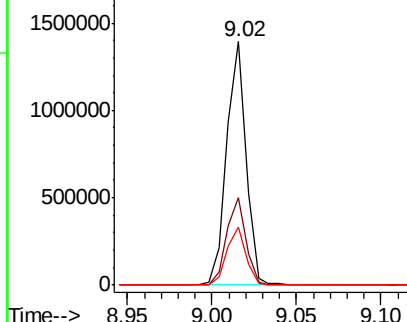
Tgt Ion:	172	Resp:	1112551
Ion Ratio	Lower	Upper	
172	100		
171	35.9	31.3	46.9
170	23.7	21.4	32.0

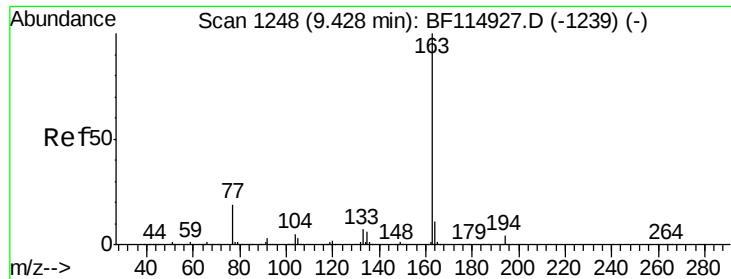
Abundance

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





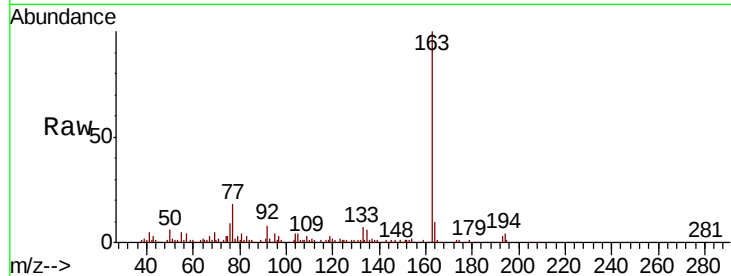
#50
Dimethylphthalate
Concen: 2.943 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	4.4	3.4	5.0		
164	10.2	8.7	13.1		

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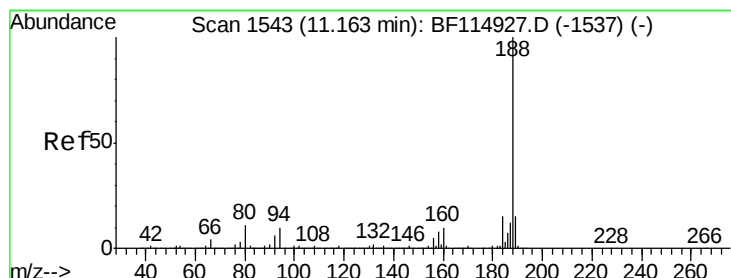
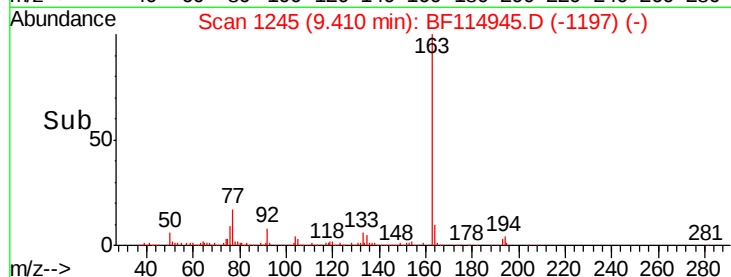
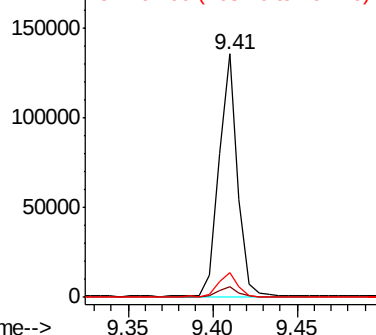


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.00 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

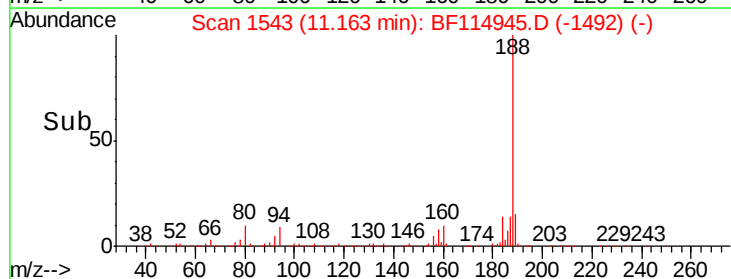
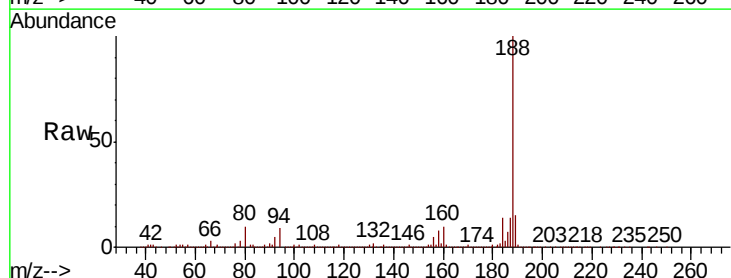
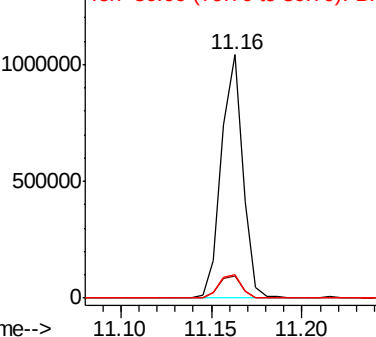
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.1	8.1	12.1		
80	9.7	8.6	12.8		

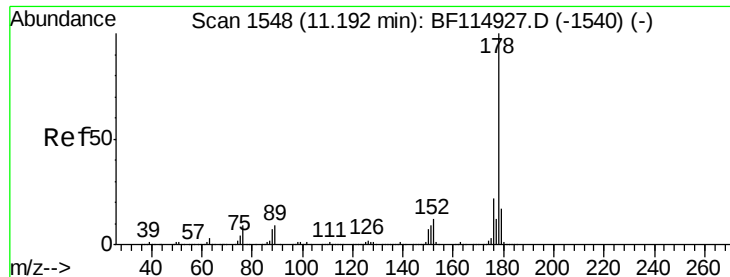
Abundance

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: 2.063 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

Instrument :

BNA_F

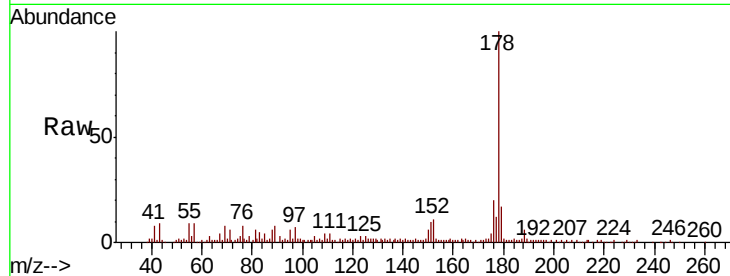
ClientSampleId :

EO-02-060619-A

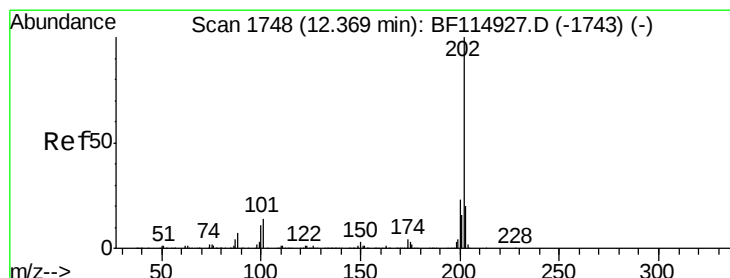
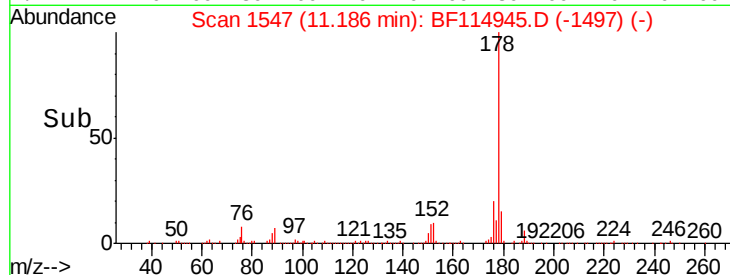
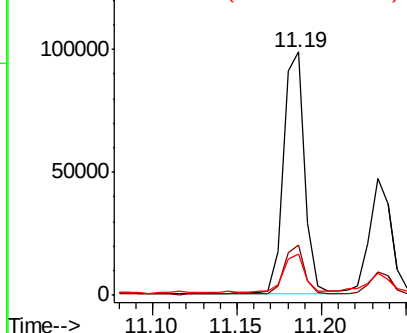
Tot Ion:	178	Resp:	86077
Ion	Ratio	Lower	Upper
178	100		
176	20.5	17.4	26.2
179	16.8	13.6	20.4

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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



#75

Fluoranthene

Concen: 9.719 ng

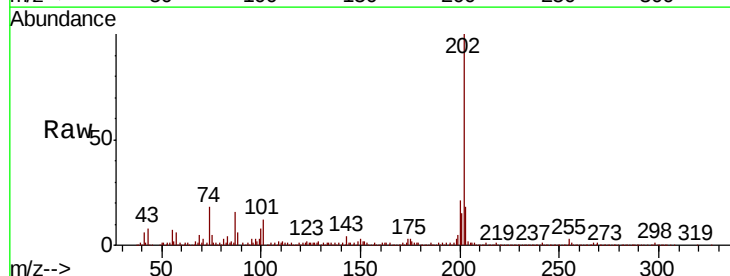
RT: 12.37 min Scan# 1748

Delta R.T. -0.00 min

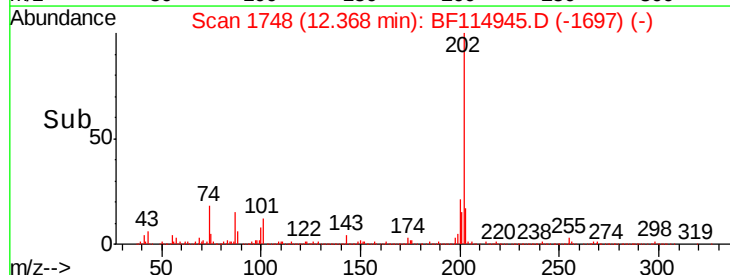
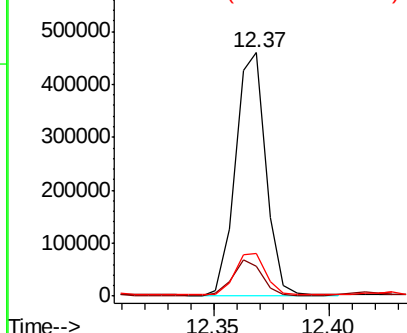
Lab File: BF114945.D

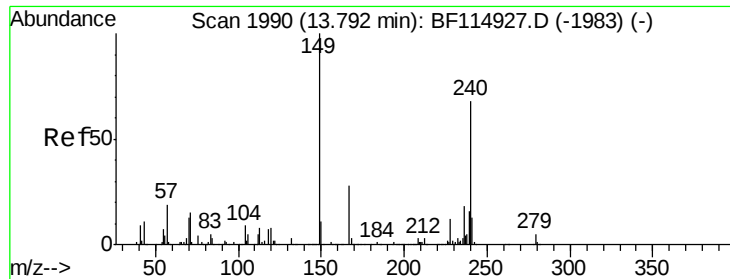
Acq: 11 Jun 2019 14:45

Tgt Ion:	202	Resp:	419410
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.3
203	17.6	0.0	39.6



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





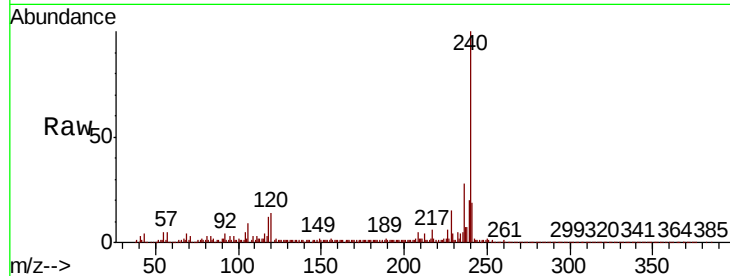
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

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

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.8	9.2	13.8	
236	27.7	21.7	32.5	

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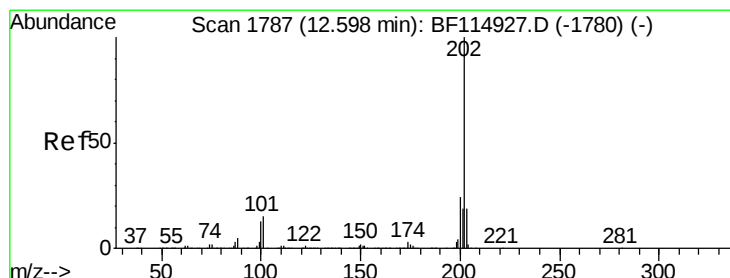
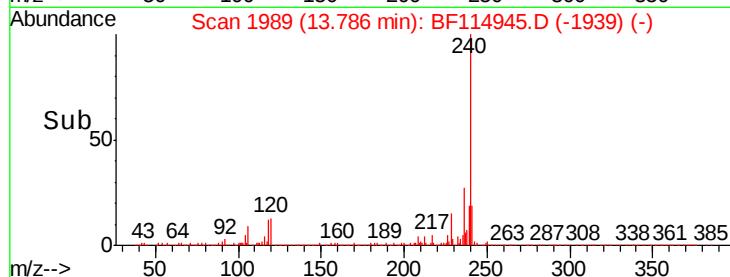
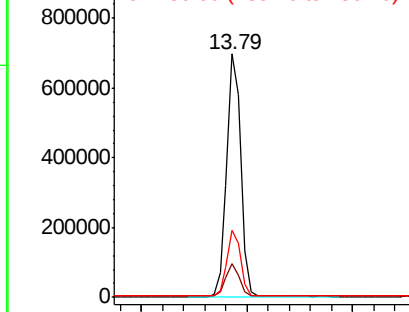


Abundance

Ion 240.00 (239.70 to 240.70): E

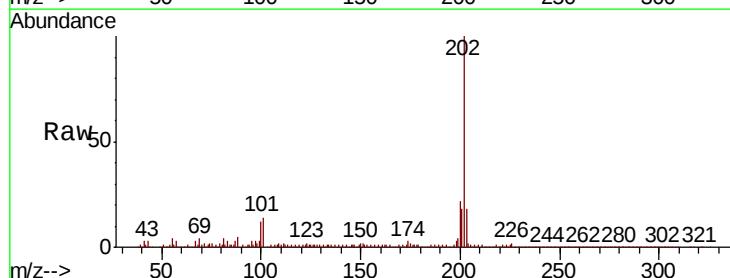
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 6.596 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.5	18.9	28.3	
203	18.5	15.2	22.8	

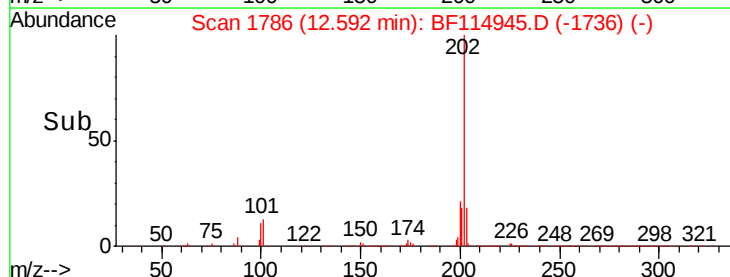
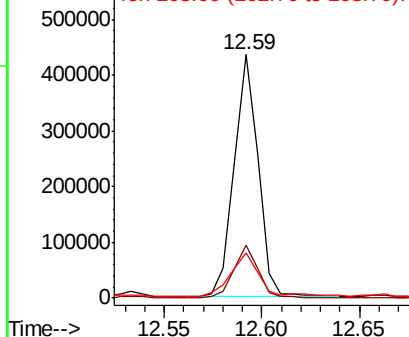


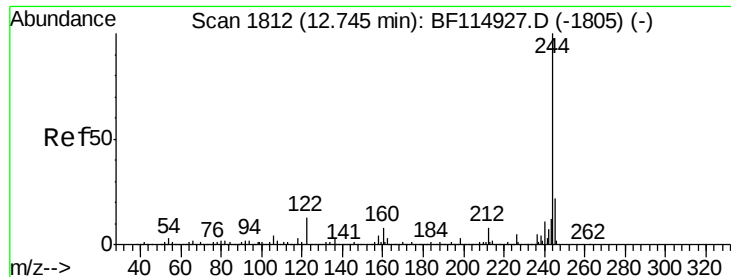
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





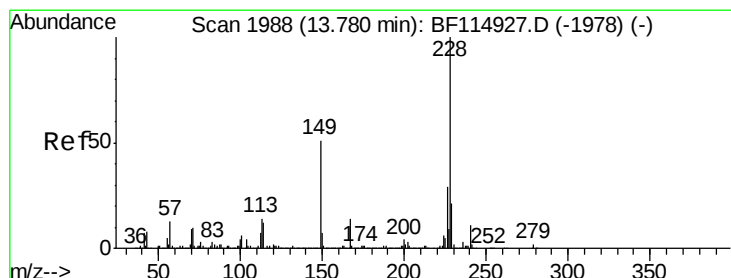
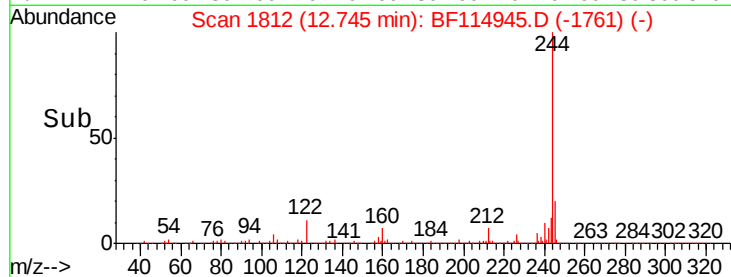
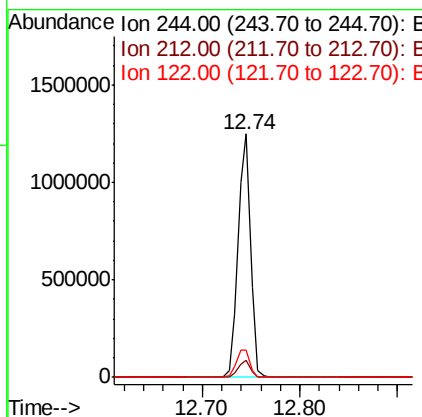
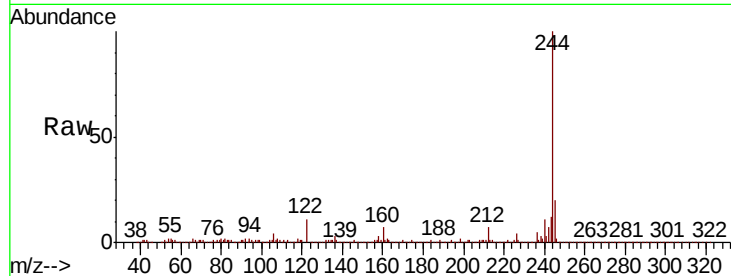
#79
 Terphenyl-d14
 Concen: 34.085 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: BF114945.D
 Acq: 11 Jun 2019 14:45

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.2	9.2
122	11.3	10.2	15.4

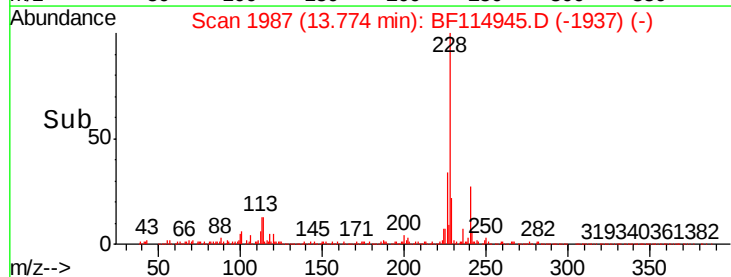
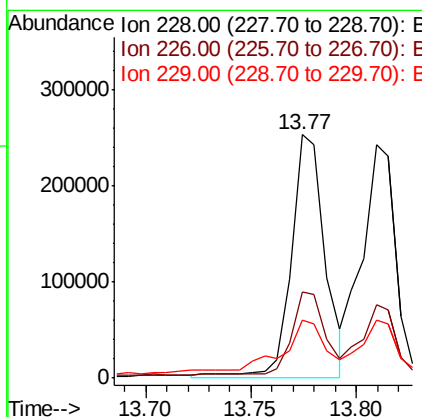
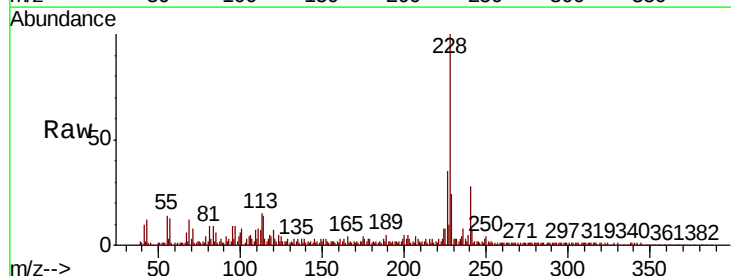
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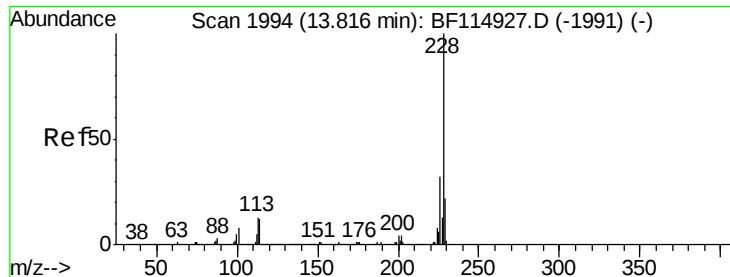
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#81
 Benzo(a)anthracene
 Concen: 5.952 ng m
 RT: 13.77 min Scan# 1987
 Delta R.T. -0.01 min
 Lab File: BF114945.D
 Acq: 11 Jun 2019 14:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.3	22.8	34.2#
229	23.9	16.6	25.0





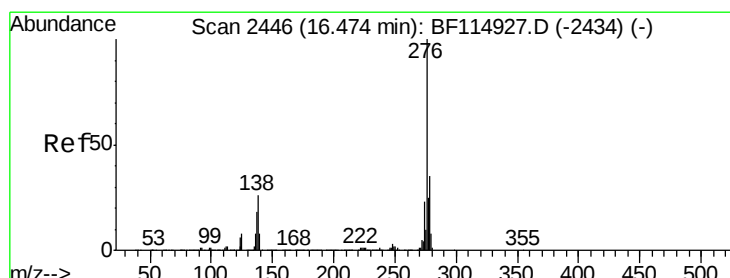
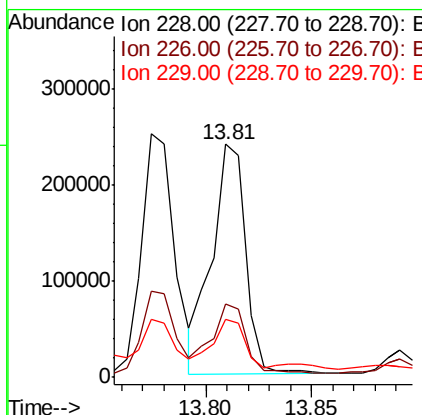
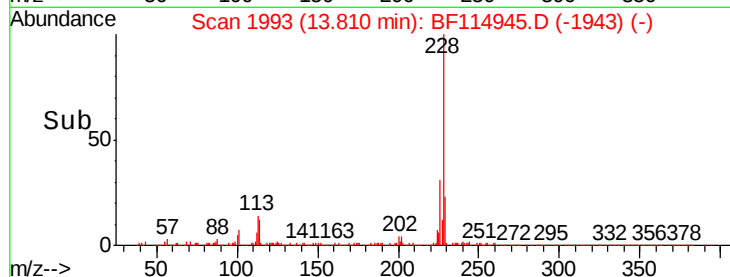
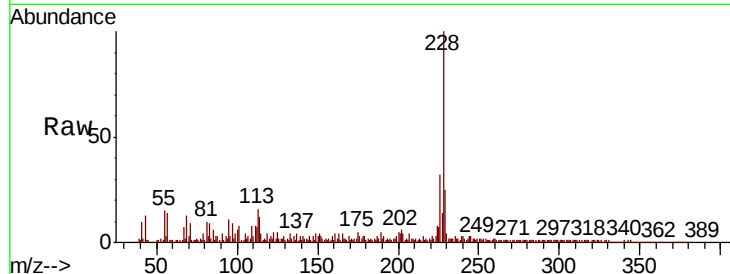
#83
Chrysene
Concen: 5.575 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.8	38.8
229	24.7	17.2	25.8

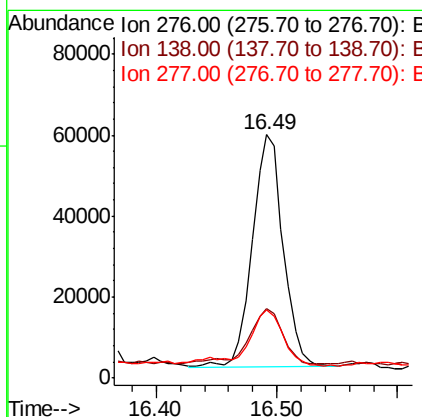
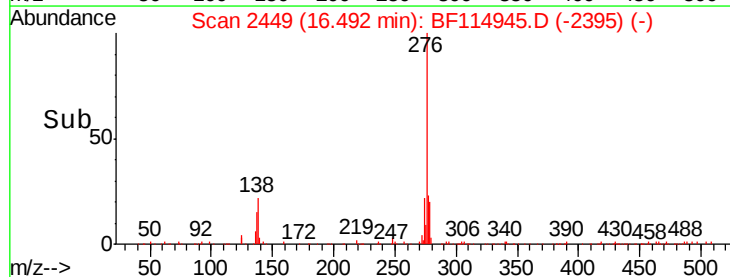
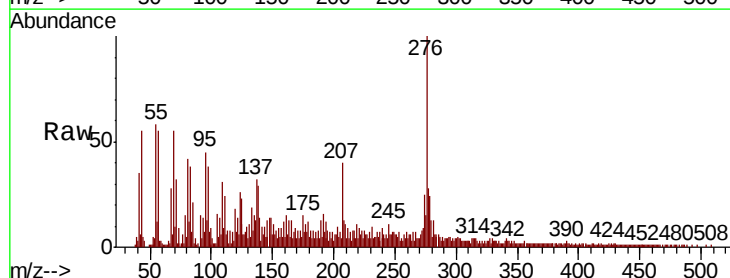
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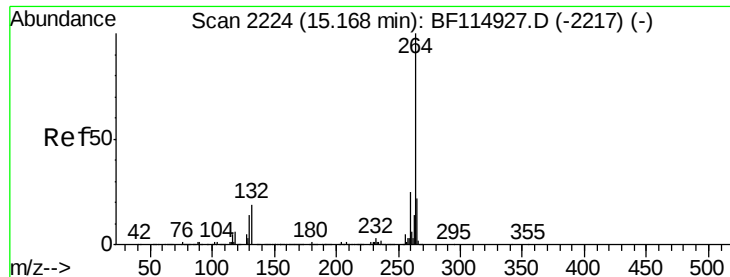
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.255 ng
RT: 16.49 min Scan# 2449
Delta R.T. 0.02 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	23.3	34.9
277	24.2	20.5	30.7





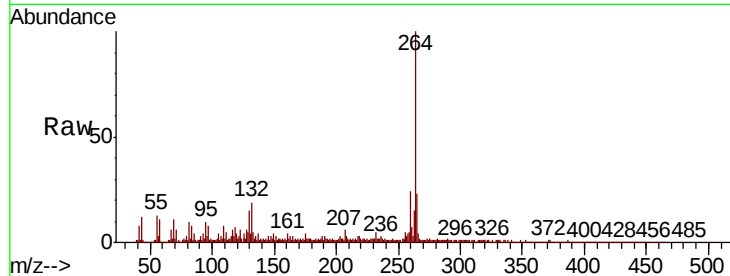
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.02 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.7	29.5
265	22.9	17.5	26.3

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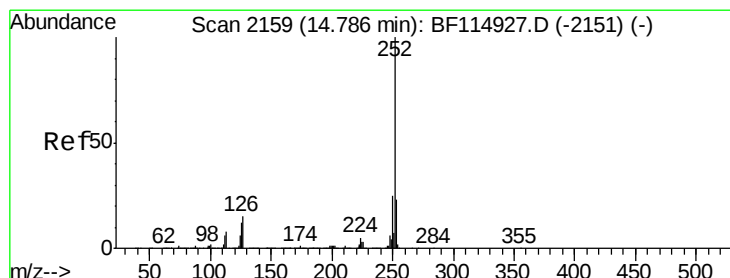
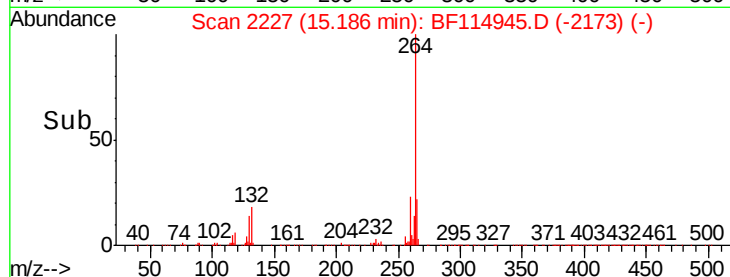
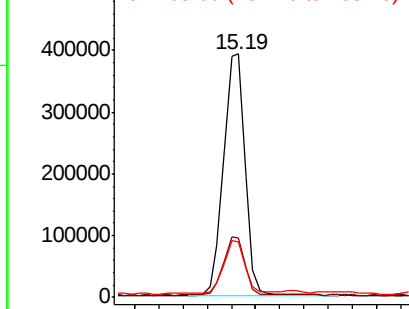


Abundance

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: 9.472 ng m
RT: 14.80 min Scan# 2161
Delta R.T. 0.01 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

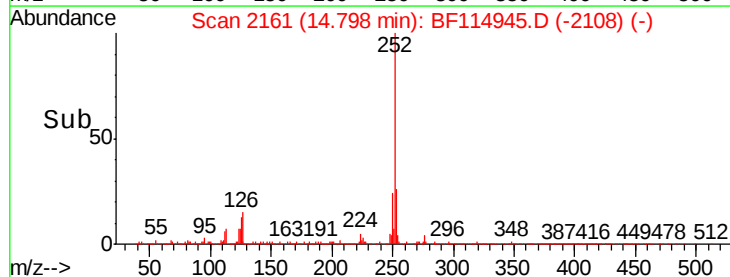
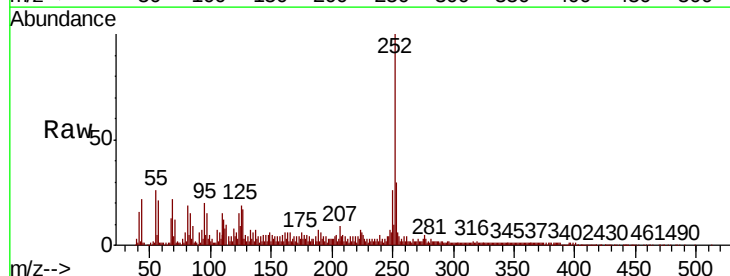
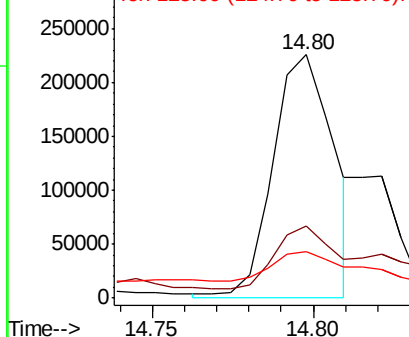
Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.9	18.6	28.0#
125	19.0	9.5	14.3#

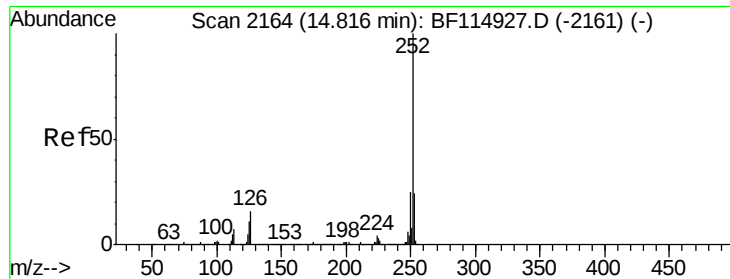
Abundance

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





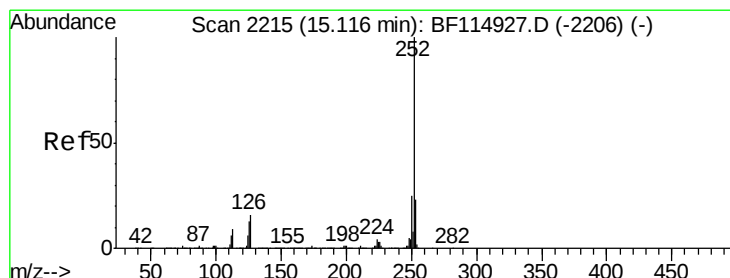
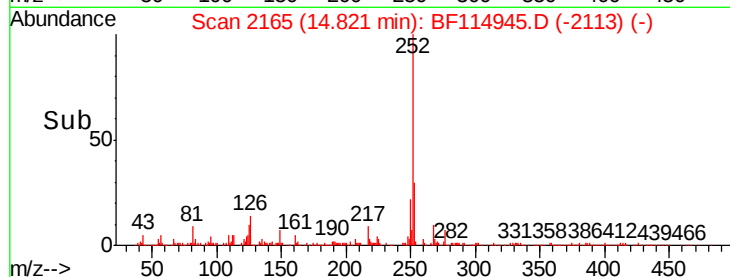
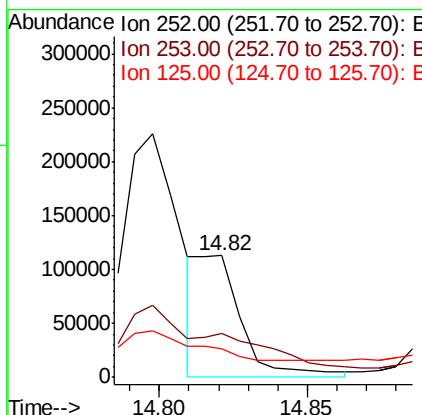
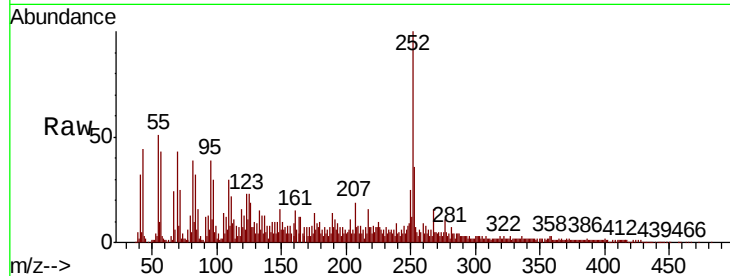
#89
Benzo(k)fluoranthene
Concen: 4.261 ng m
RT: 14.82 min Scan# 2165
Delta R.T. 0.01 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	36.4	18.6	28.0#
125	23.5	9.2	13.8#

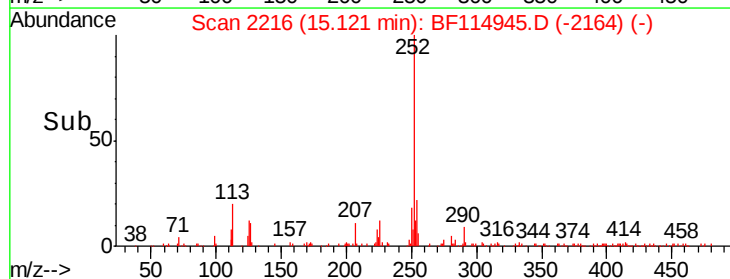
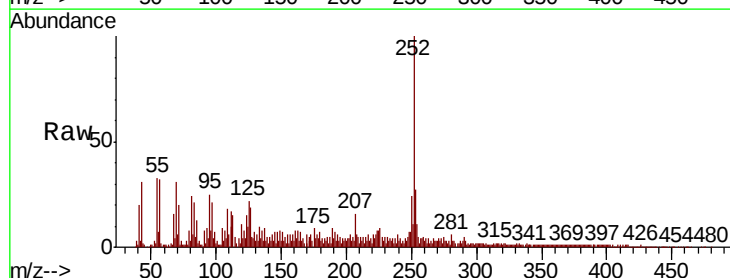
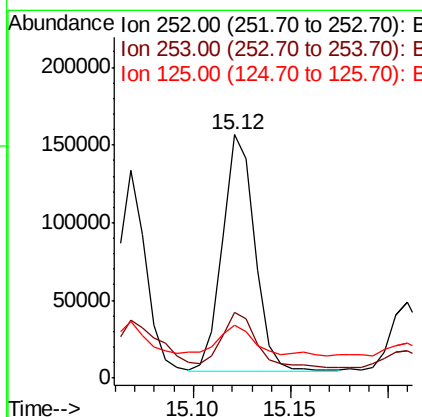
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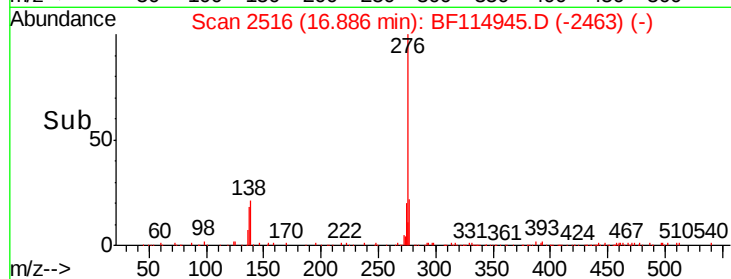
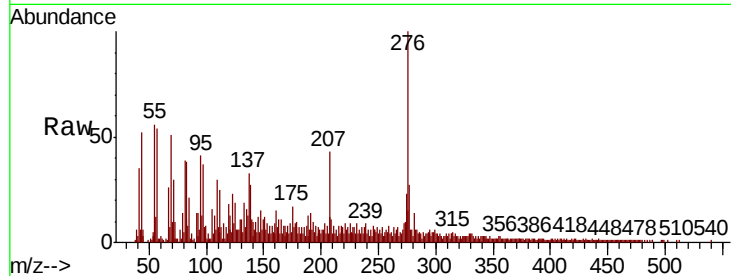
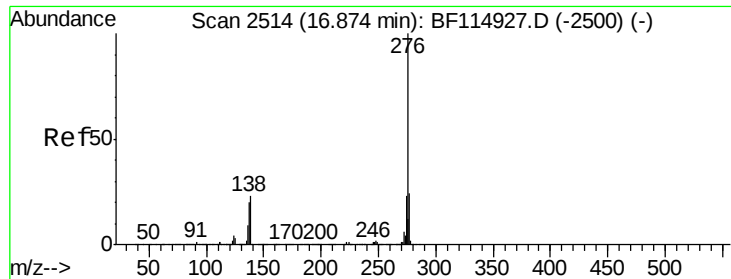
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#90
Benzo(a)pyrene
Concen: 6.498 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.2	27.2
125	21.7	10.1	15.1#





#92
 Benzo(a,h,i)perylene
 Concen: 4.271 ng
 RT: 16.89 min Scan# 2516
 Delta R.T. 0.01 min
 Lab File: BF114945.D
 Acq: 11 Jun 2019 14:45

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.0	28.6
138	27.3	18.7	28.1

Manual Integrations
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