

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052019\
 Data File : BF114430.D
 Acq On : 20 May 2019 11:26
 Operator : JU/SJ
 Sample : K2644-01 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-051519-A

Manual Integrations
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Quant Time: May 20 14:33:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	192128	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	724664	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	302239	20.00	ng	-0.01
64) Phenanthrene-d10	11.35	188	524222	20.00	ng	0.00
76) Chrysene-d12	14.00	240	479266	20.00	ng	0.00
87) Perylene-d12	15.47	264	558410	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	256404	21.48	ng	-0.01
7) Phenol-d6	6.47	99	332766	23.57	ng	-0.01
23) Nitrobenzene-d5	7.39	82	181259	14.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	53872	17.24	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	319316	15.98	ng	-0.01
79) Terphenyl-d14	12.93	244	263619	11.34	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.37	178	150896	5.917	ng	97
75) Fluoranthene	12.56	202	298370	10.864	ng	98
78) Pyrene	12.79	202	255036	6.615	ng	98
81) Benzo(a)anthracene	13.99	228	124686	4.022	ng	98
83) Chrysene	14.02	228	125830	4.141	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	67951	2.530	ng	96
88) Benzo(b)fluoranthene	15.05	252	191643m	5.357	ng	
90) Benzo(a)pyrene	15.42	252	128515	4.082	ng	98
92) Benzo(g,h,i)perylene	17.40	276	66153	2.523	ng	96

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

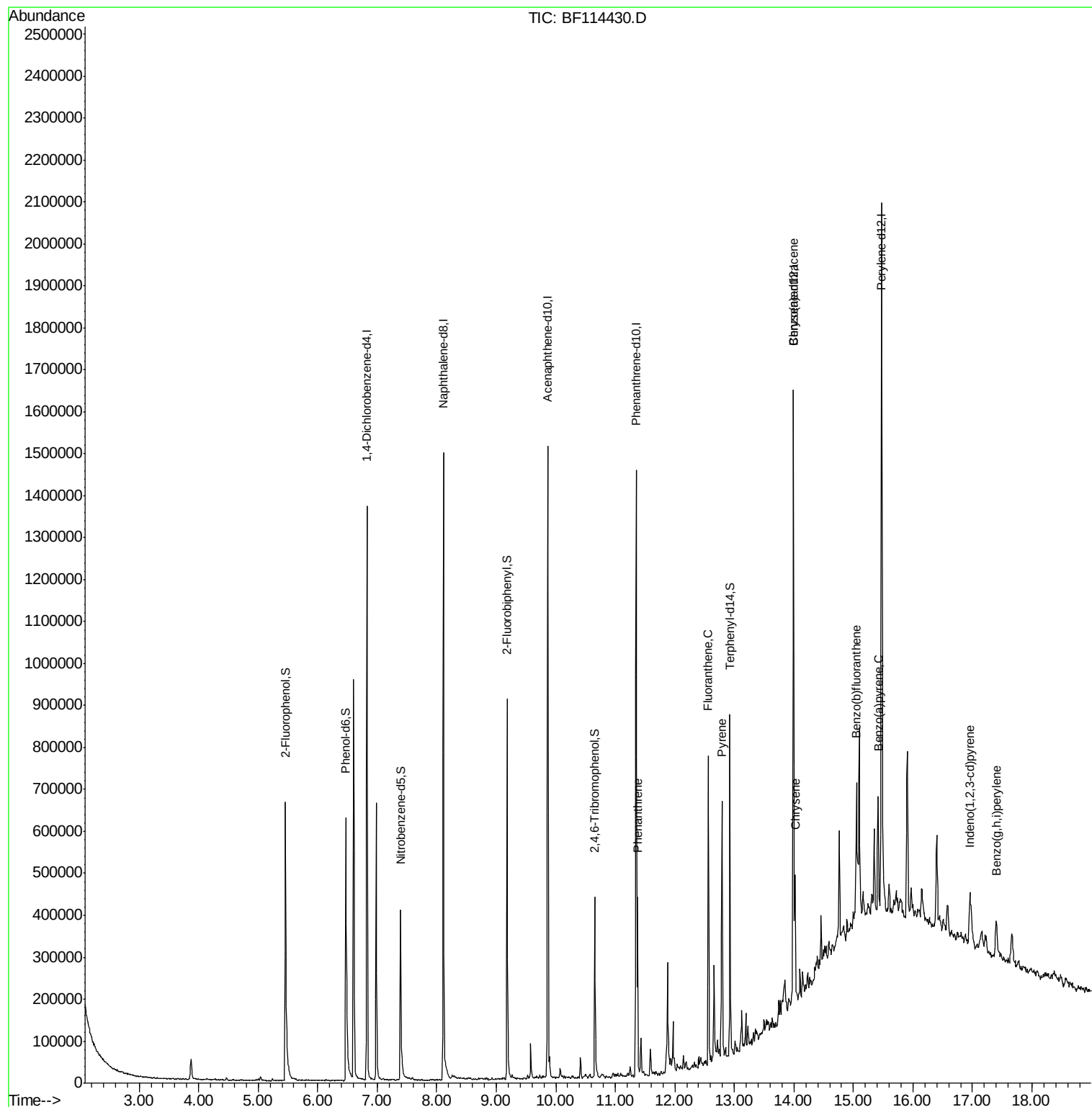
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052019\
Data File : BF114430.D
Acq On : 20 May 2019 11:26
Operator : JU/SJ
Sample : K2644-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

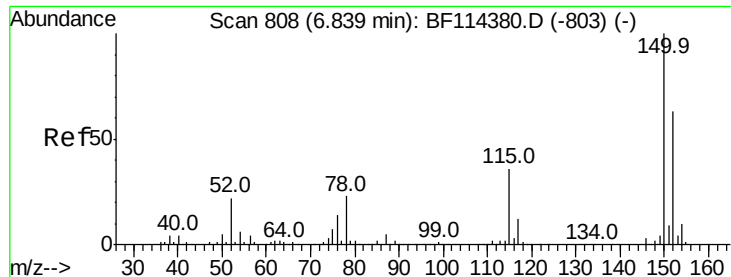
Instrument :
BNA_F
ClientSampleId :
EO-01-051519-A

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Quant Time: May 20 14:33:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

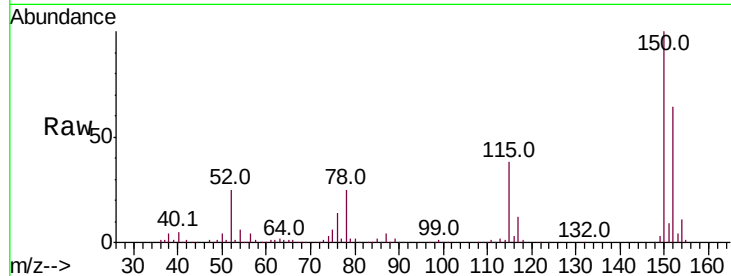
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

Instrument :
BNA_F
ClientSampleId :
EO-01-051519-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.3	186.5
115	59.8	49.1	73.7

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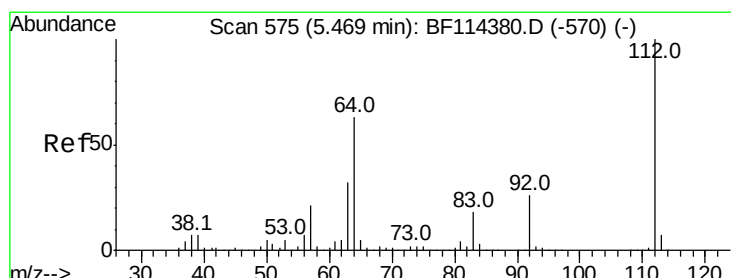
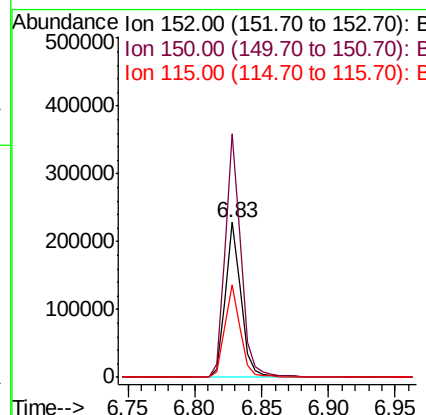
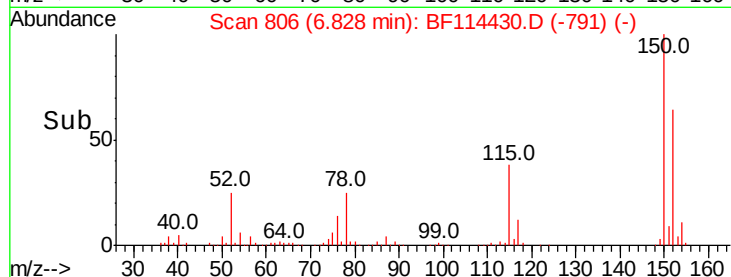


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

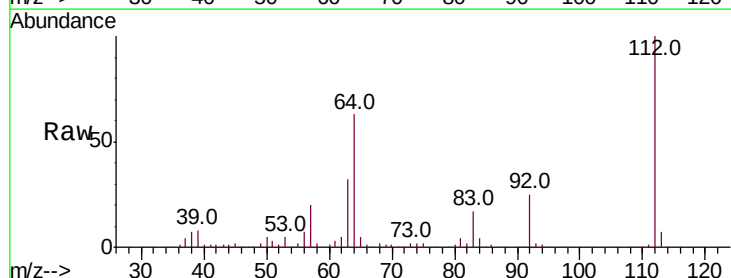
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 21.476 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	49.0	73.6
63	32.1	24.6	37.0

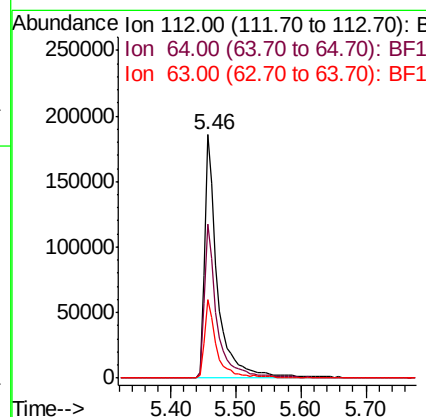
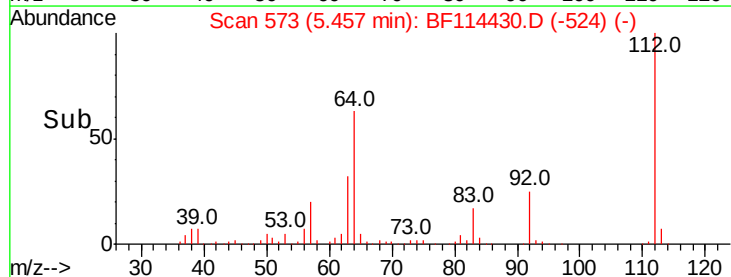


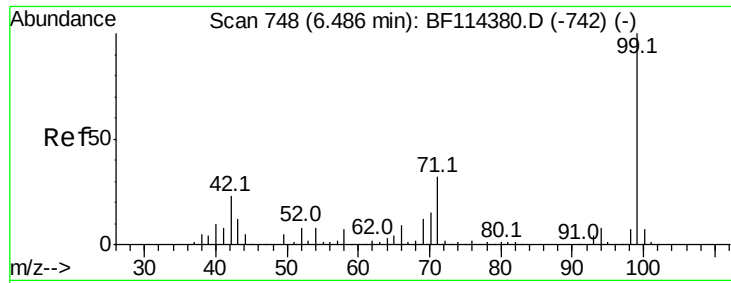
Abundance

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: 23.566 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF114430.D

Acq: 20 May 2019 11:26

Instrument :

BNA_F

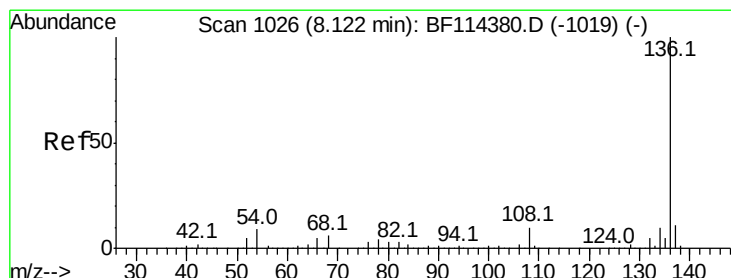
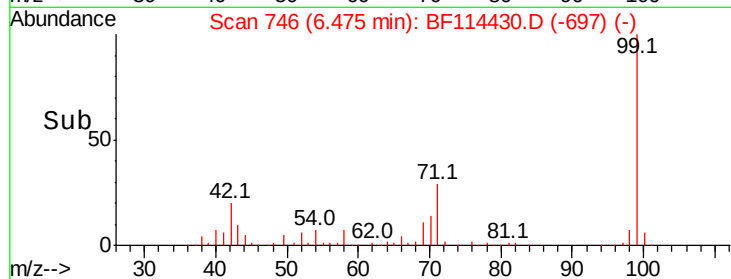
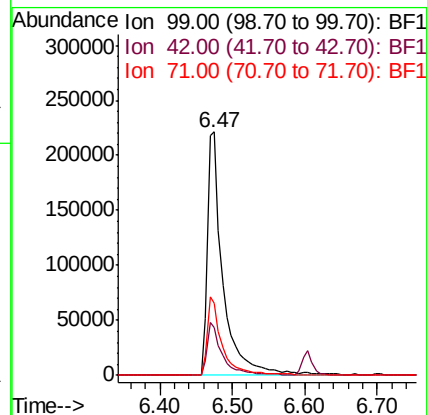
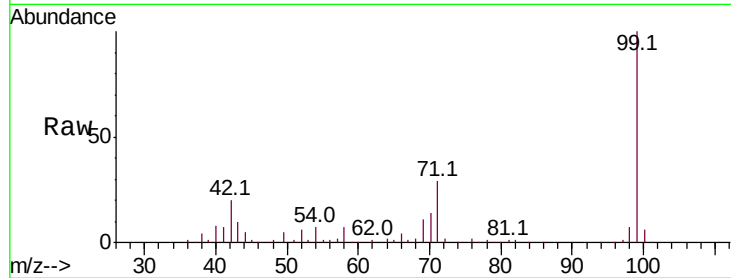
ClientSampleId :

EO-01-051519-A

Tot Ion:	99	Resp:	332766
Ion Ratio	Lower	Upper	
99	100		
42	19.7	17.9	26.9
71	29.5	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

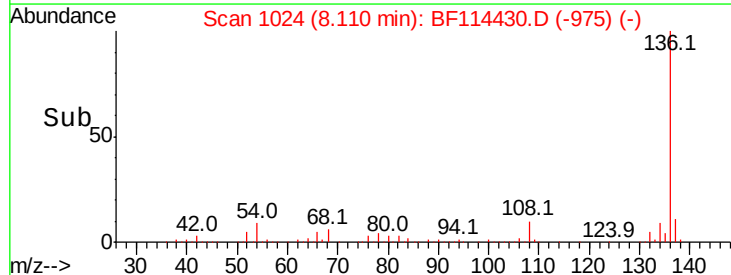
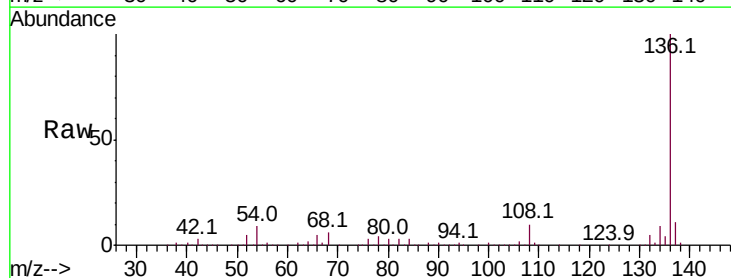
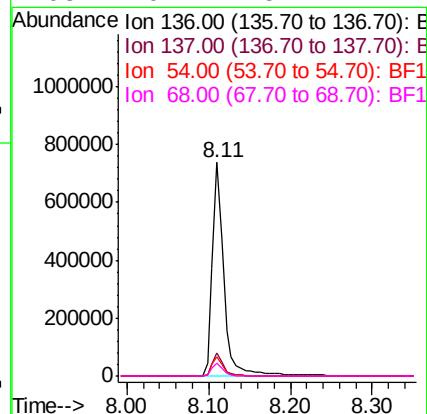
RT: 8.11 min Scan# 1024

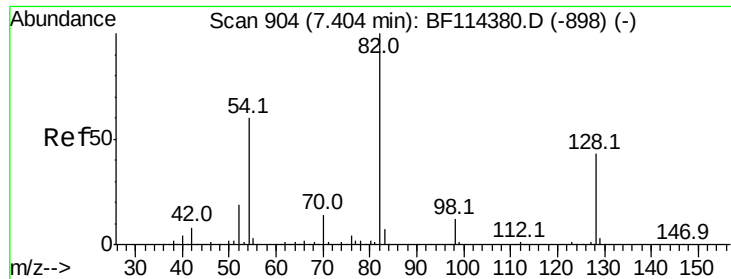
Delta R.T. -0.01 min

Lab File: BF114430.D

Acq: 20 May 2019 11:26

Tgt Ion:	136	Resp:	724664
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	9.3	7.8	11.8
68	6.2	5.1	7.7





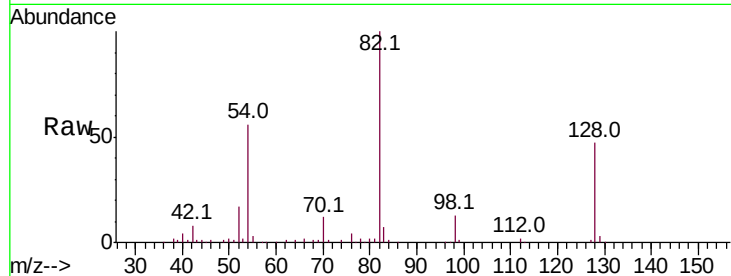
#23
 Nitrobenzene-d5
 Concen: 14.037 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF114430.D
 Acq: 20 May 2019 11:26

Instrument :
 BNA_F
 ClientSampled :
 EO-01-051519-A

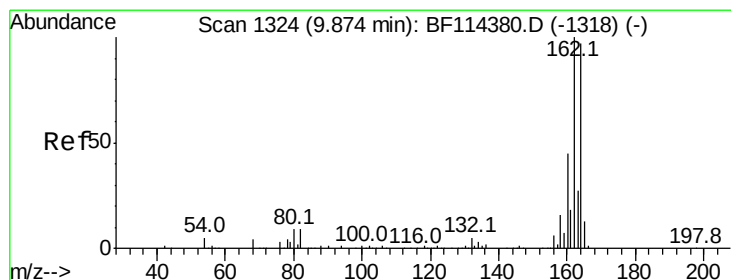
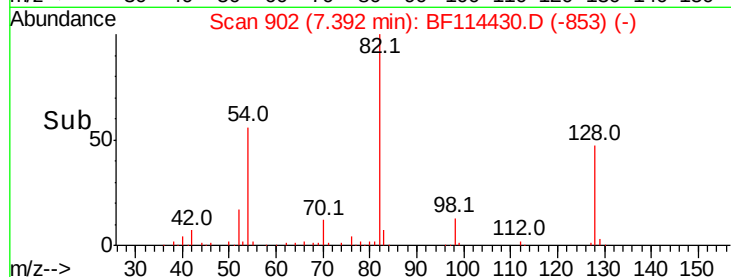
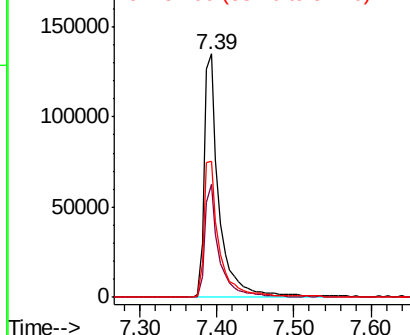
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	35.5	53.3
54	55.8	48.5	72.7

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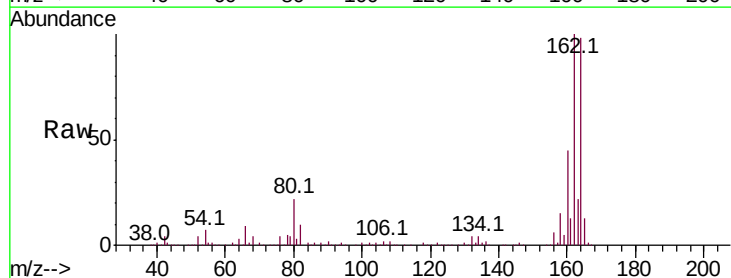


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

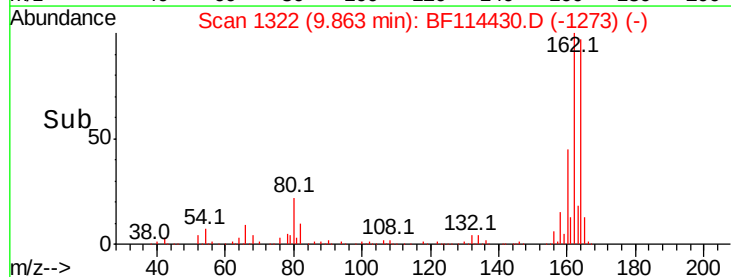
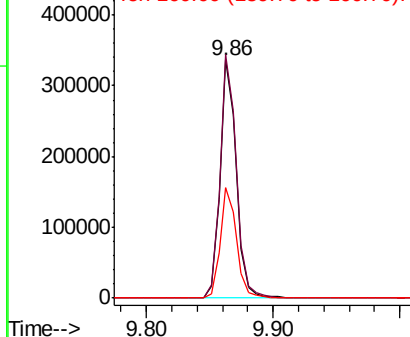


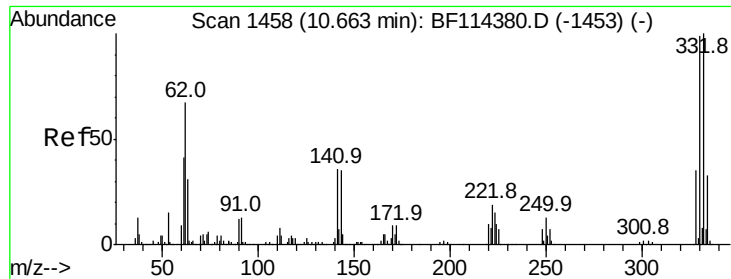
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF114430.D
 Acq: 20 May 2019 11:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.6	120.8
160	46.4	36.5	54.7



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: 17.241 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF114430.D

Acq: 20 May 2019 11:26

Instrument :

BNA_F

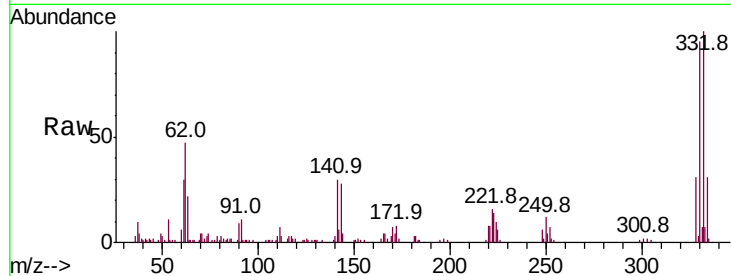
ClientSampleId :

EO-01-051519-A

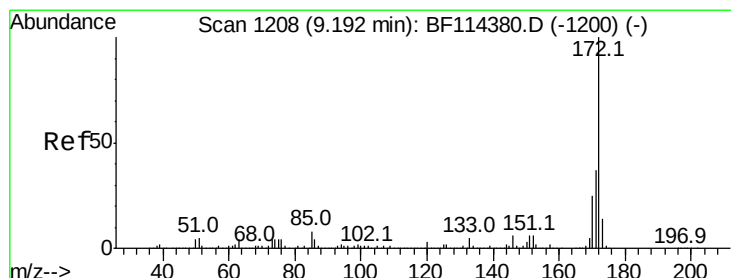
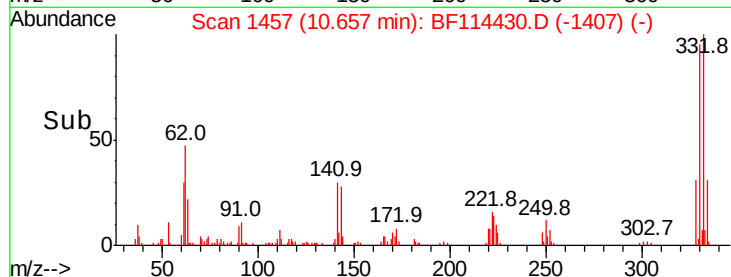
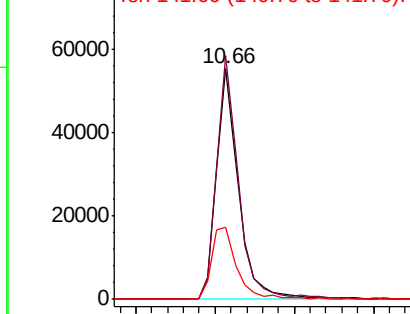
Tot Ion:	330	Resp:	53872
Ion Ratio	Lower	Upper	
330	100		
332	103.7	81.4	122.2
141	35.6	26.6	40.0

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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: 15.981 ng

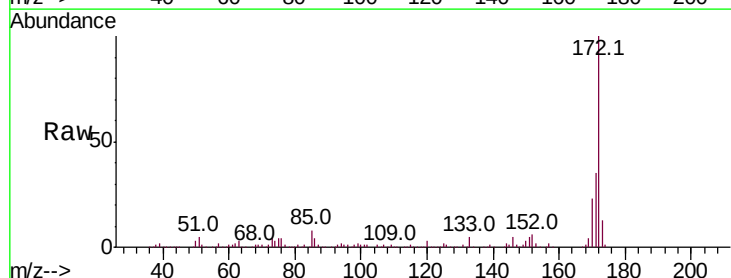
RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

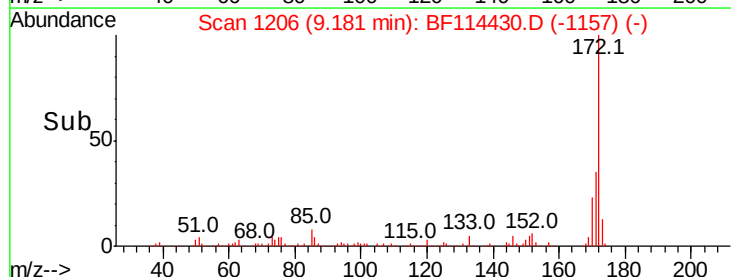
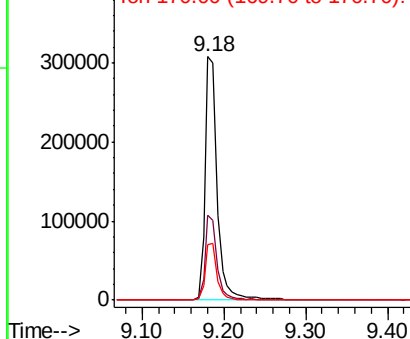
Lab File: BF114430.D

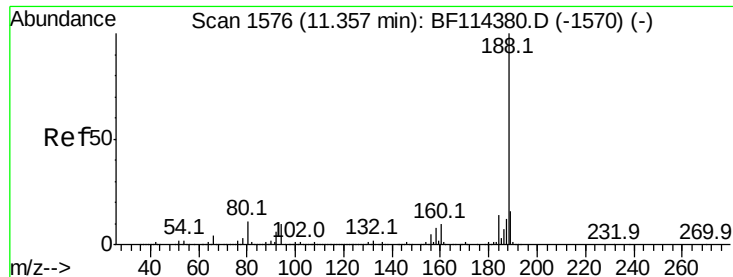
Acq: 20 May 2019 11:26

Tgt Ion:	172	Resp:	319316
Ion Ratio	Lower	Upper	
172	100		
171	35.1	30.7	46.1
170	22.9	20.5	30.7



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





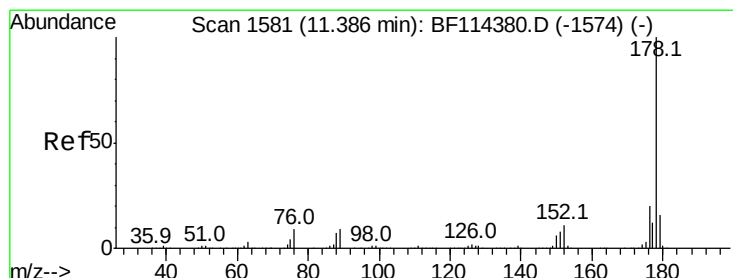
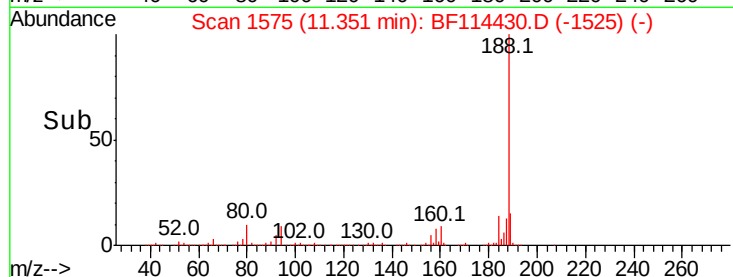
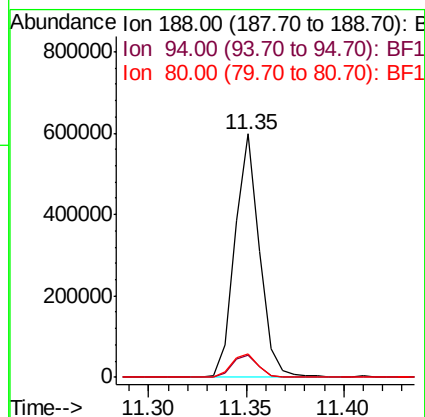
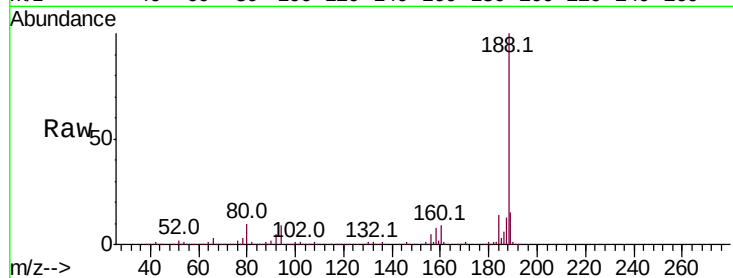
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:	188	Resp:	524222
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.4	12.6
80	9.7	9.2	13.8

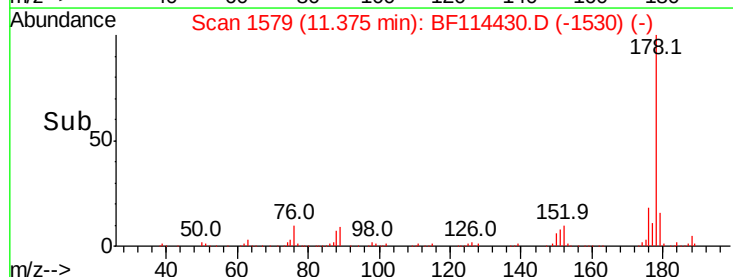
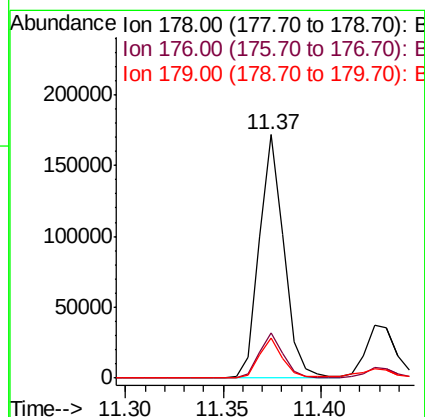
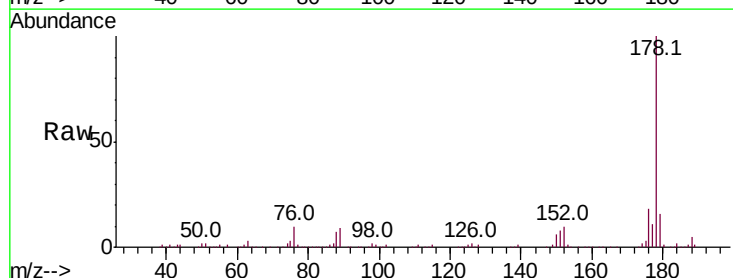
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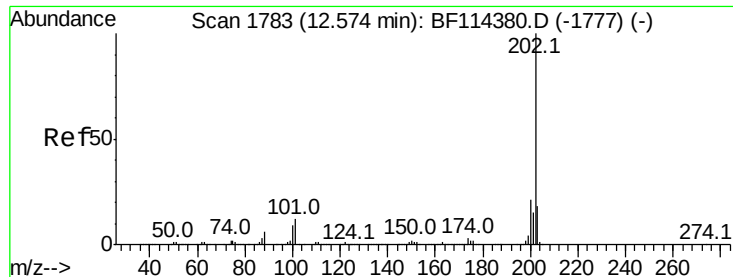
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#71
Phenanthrene
Concen: 5.917 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

Tgt Ion:	178	Resp:	150896
Ion Ratio	Lower	Upper	
178	100		
176	18.5	16.4	24.6
179	16.4	13.2	19.8





#75

Fluoranthene

Concen: 10.864 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF114430.D

Acq: 20 May 2019 11:26

Instrument :

BNA_F

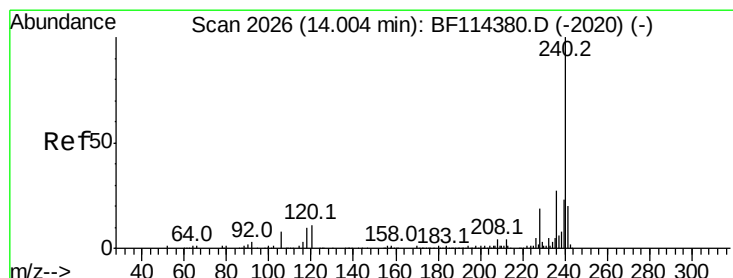
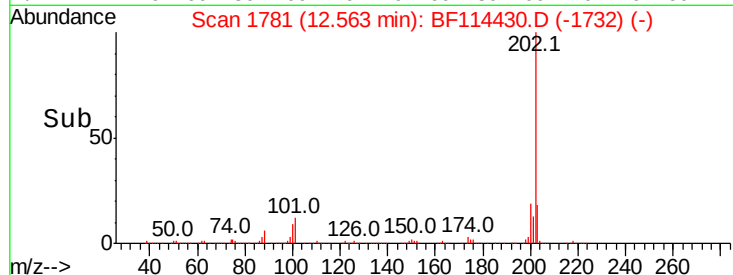
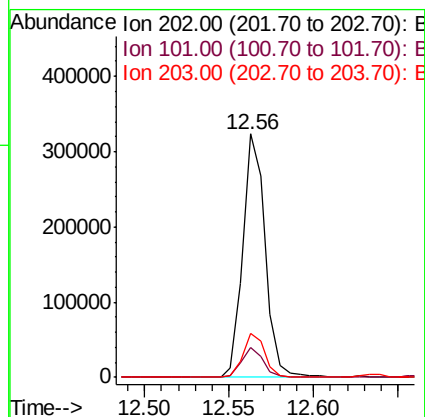
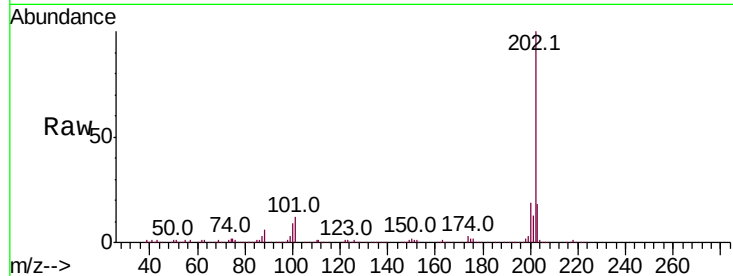
ClientSampleId :

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Tot Ion:	202	Resp:	298370
Ion Ratio		Lower	Upper
202	100		
101	12.4	0.0	31.0
203	18.2	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

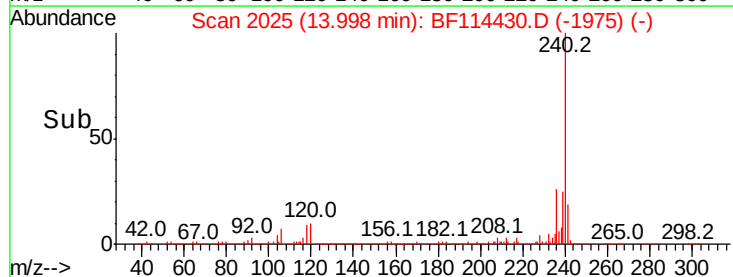
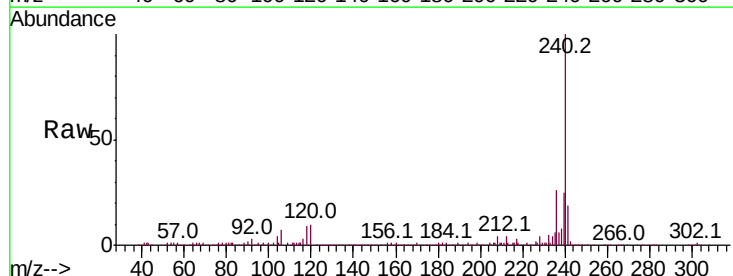
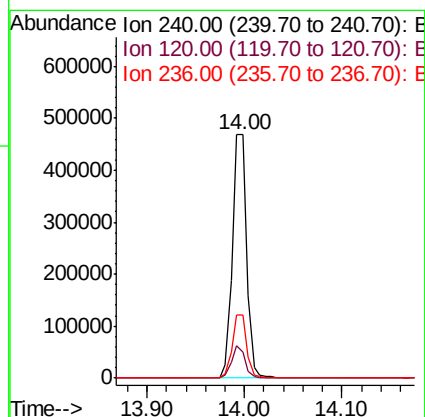
RT: 14.00 min Scan# 2025

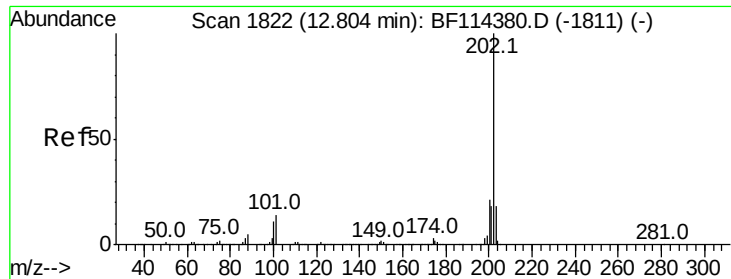
Delta R.T. -0.01 min

Lab File: BF114430.D

Acq: 20 May 2019 11:26

Tgt Ion:	240	Resp:	479266
Ion Ratio		Lower	Upper
240	100		
120	10.5	8.3	12.5
236	25.7	20.8	31.2





#78

Pvrene

Concen: 6.615 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF114430.D

Acq: 20 May 2019 11:26

Instrument :

BNA_F

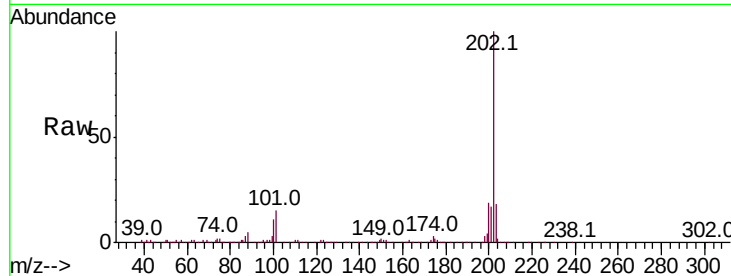
ClientSampleId :

EO-01-051519-A

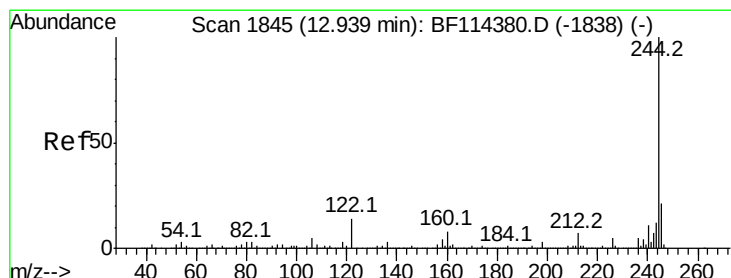
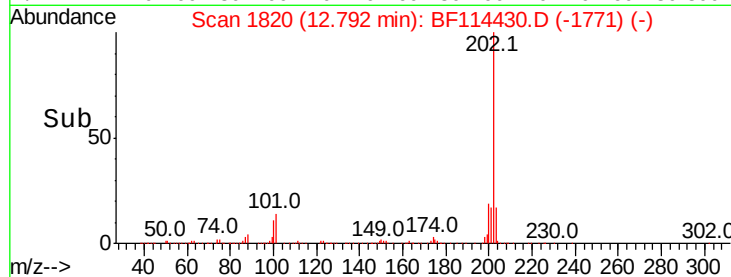
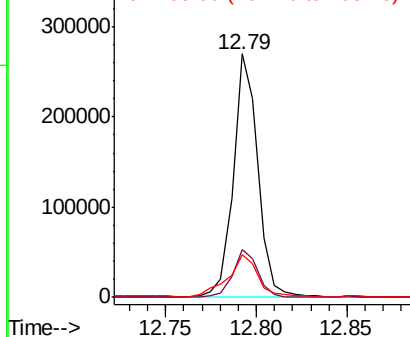
Tot Ion:	202	Resp:	255036
Ion Ratio		Lower	Upper
202	100		
200	19.4	16.9	25.3
203	17.8	14.5	21.7

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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: 11.339 ng

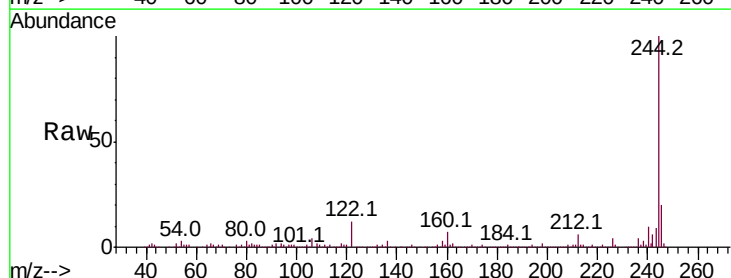
RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

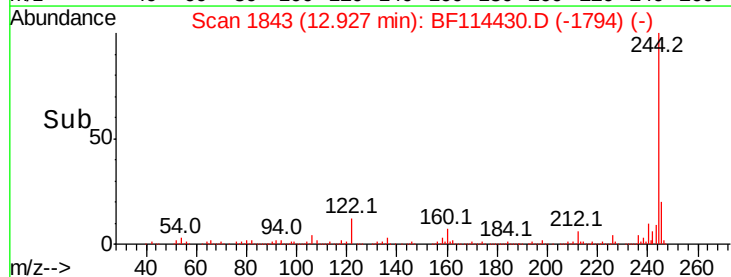
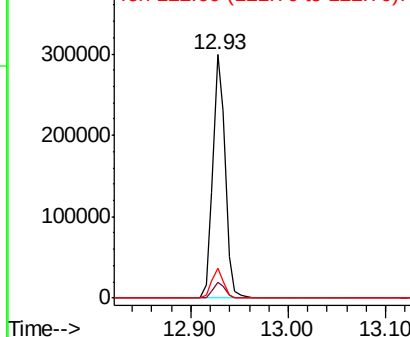
Lab File: BF114430.D

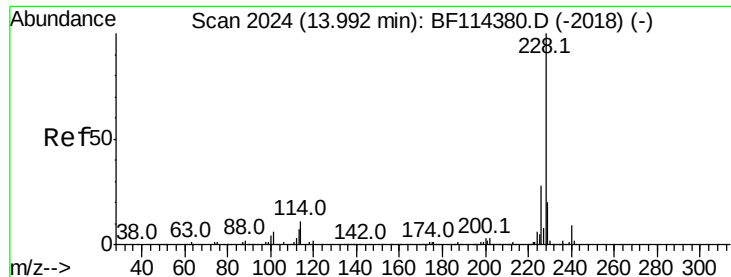
Acq: 20 May 2019 11:26

Tgt Ion:	244	Resp:	263619
Ion Ratio		Lower	Upper
244	100		
212	6.5	5.8	8.6
122	12.1	9.4	14.2



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





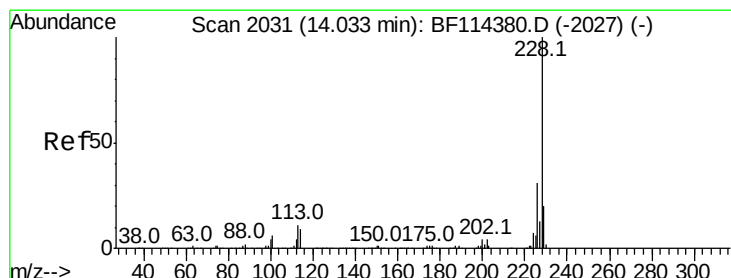
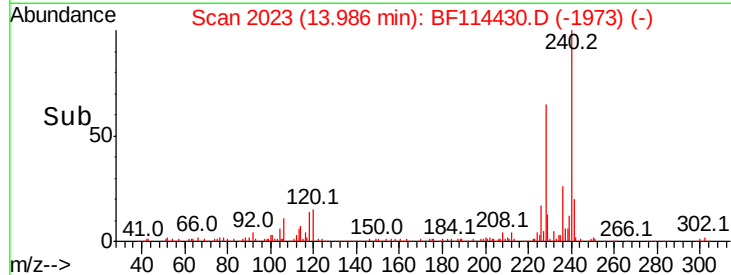
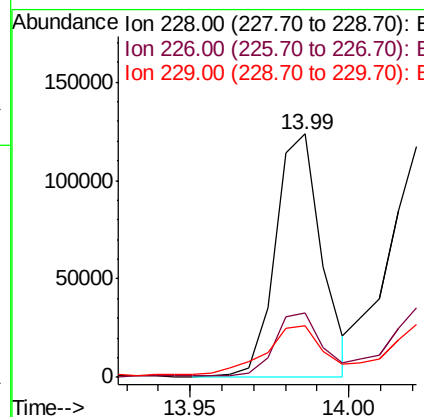
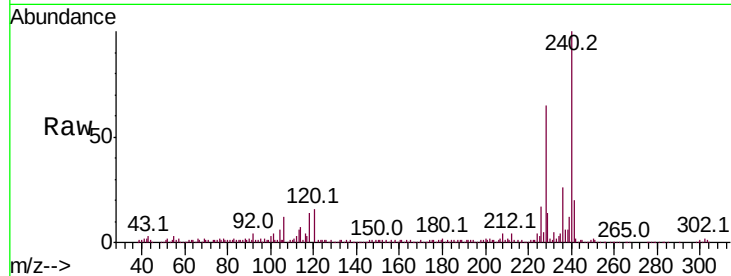
#81
Benzo(a)anthracene
Concen: 4.022 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

Instrument :
BNA_F
ClientSampleId :
EO-01-051519-A

Tot Ion:	228	Resp:	124686
Ion Ratio	Lower	Upper	
228	100		
226	26.6	22.2	33.2
229	21.1	16.4	24.6

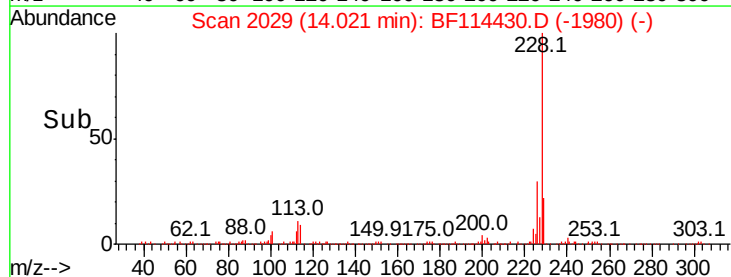
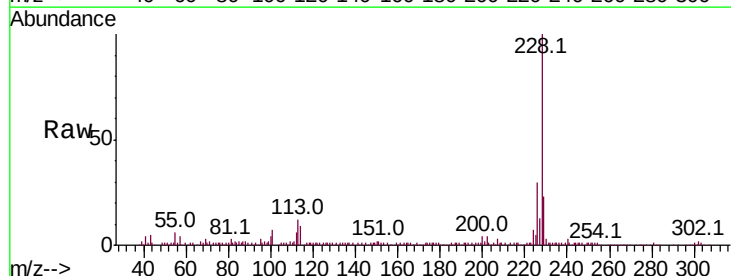
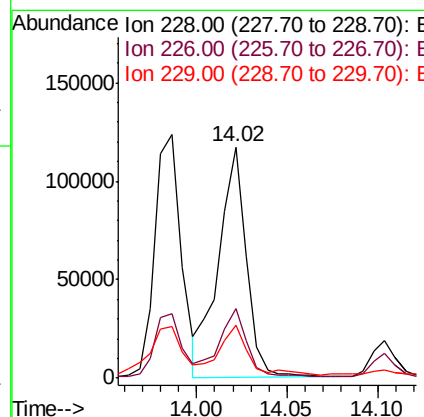
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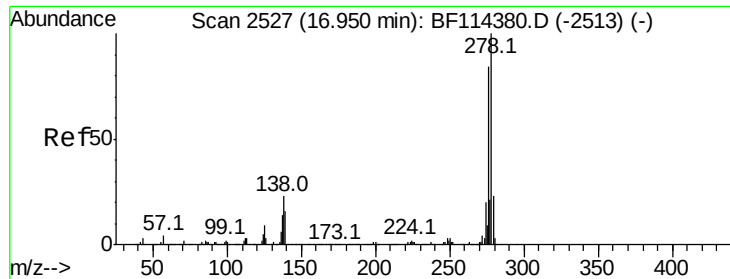
mohammad
5/21/2019 3:25:43 PM



#83
Chrysene
Concen: 4.141 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

Tgt Ion:	228	Resp:	125830
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.0	37.6
229	22.9	17.0	25.6





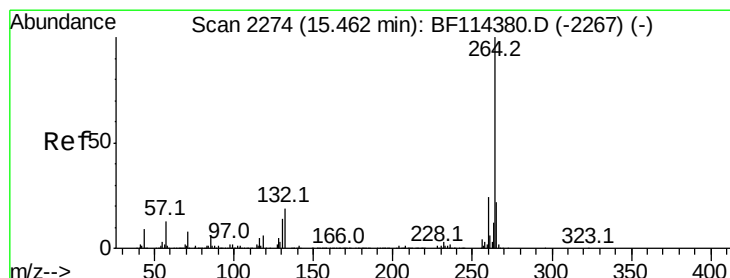
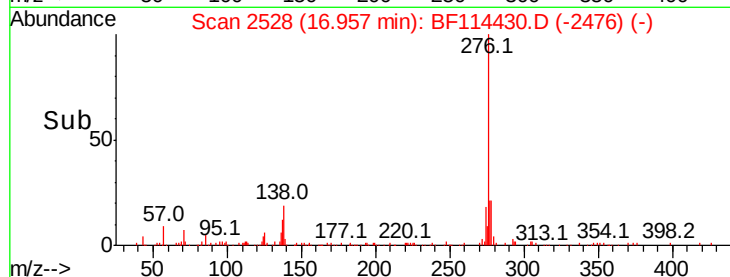
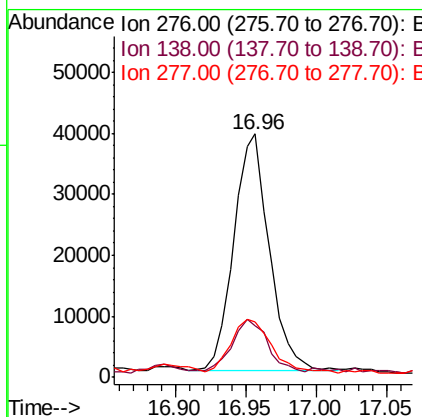
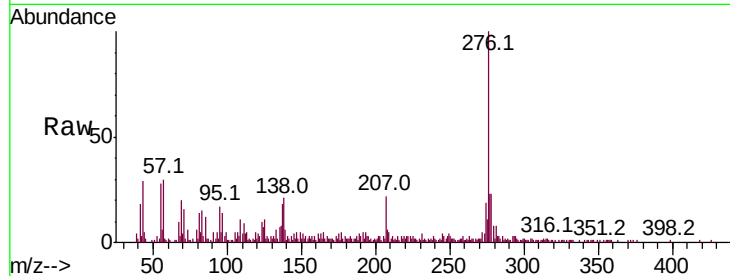
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.530 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. 0.01 min
 Lab File: BF114430.D
 Acq: 20 May 2019 11:26

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-051519-A

Tot Ion:	276	Resp:	67951
Ion Ratio	Lower	Upper	
276	100		
138	22.3	20.2	30.2
277	26.3	20.0	30.0

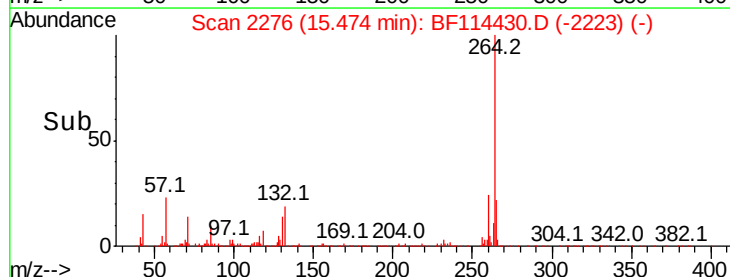
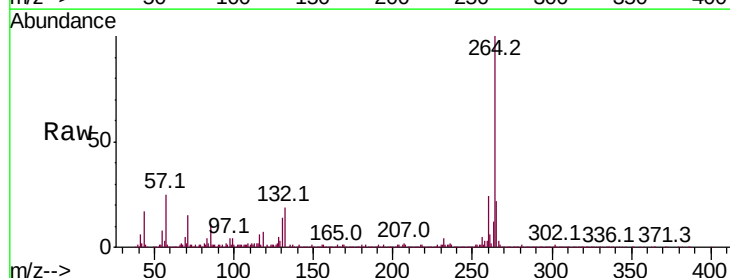
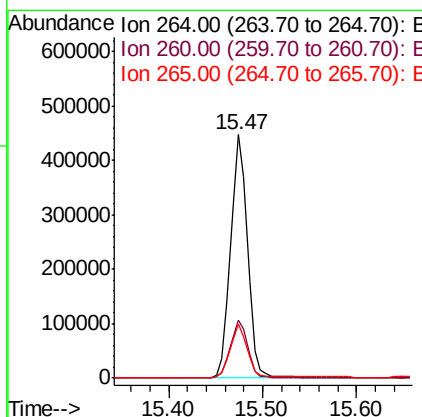
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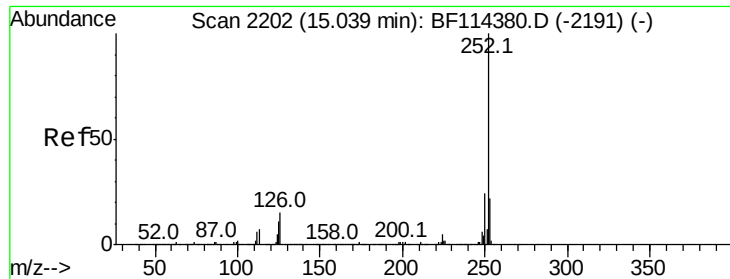
mohammad
 5/21/2019 3:25:43 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.01 min
 Lab File: BF114430.D
 Acq: 20 May 2019 11:26

Tgt Ion:	264	Resp:	558410
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.4	29.0
265	22.5	16.9	25.3





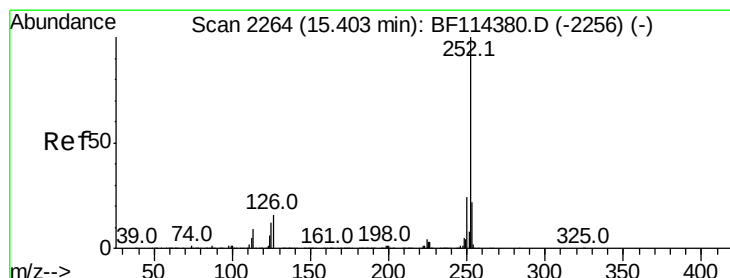
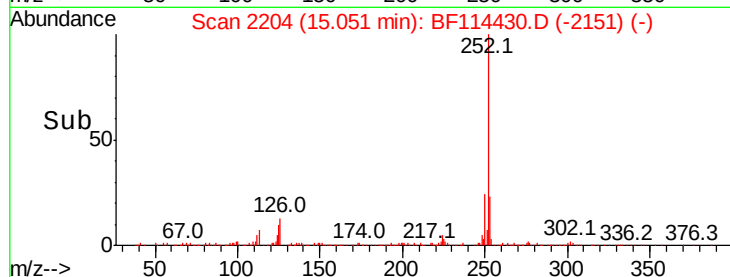
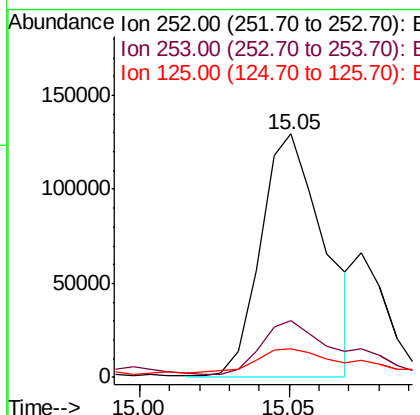
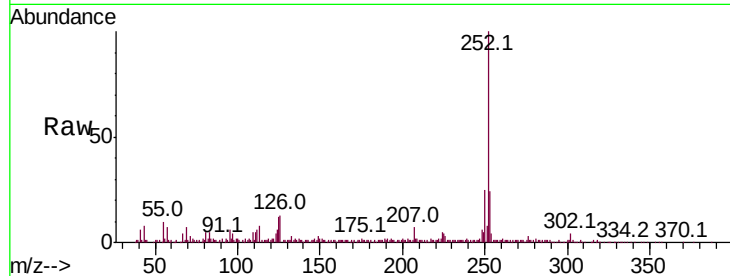
#88
Benzo(b)fluoranthene
Concen: 5.357 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

Instrument :
BNA_F
ClientSampled :
EO-01-051519-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	11.7	8.3	12.5

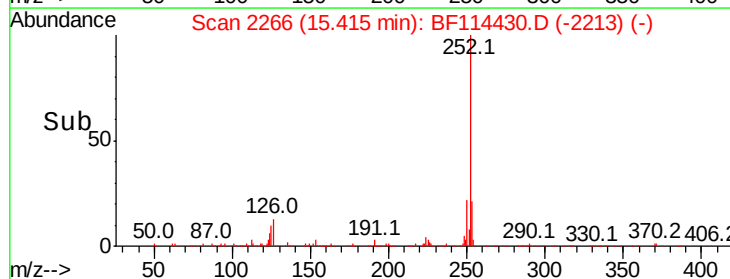
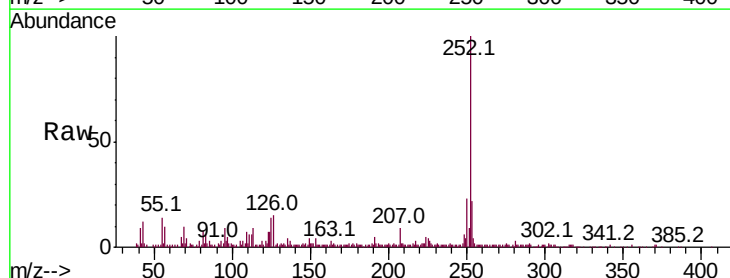
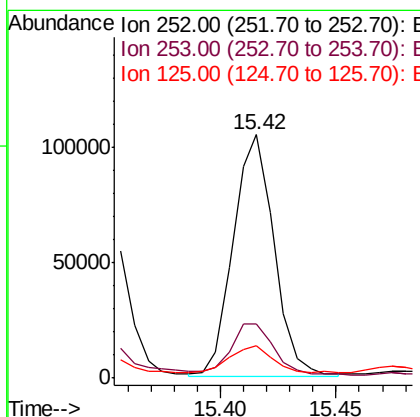
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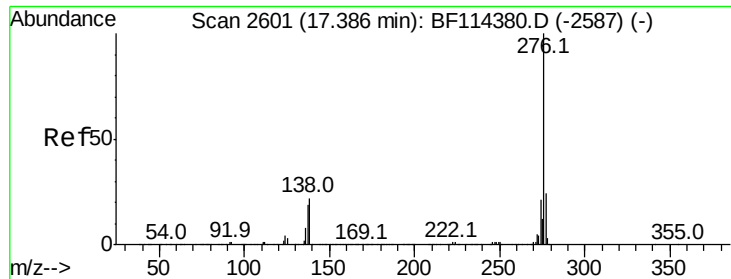
mohammad
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#90
Benzo(a)pyrene
Concen: 4.082 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF114430.D
Acq: 20 May 2019 11:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	13.6	9.5	14.3





#92

Benzo(a,h,i)perylene

Concen: 2.523 ng

RT: 17.40 min Scan# 2604

Delta R.T. 0.02 min

Lab File: BF114430.D

Acq: 20 May 2019 11:26

Instrument :

BNA_F

ClientSampleId :

EO-01-051519-A

Tot Ion:	276	Resp:	66153
Ion Ratio		Lower	Upper
276	100		
277	22.9	19.0	28.4
138	24.9	17.8	26.6

Manual Integrations
APPROVED

mohammad
5/21/2019 3:25:43 PM

