

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
 Data File : BF114349.D
 Acq On : 17 May 2019 15:01
 Operator : JU/SJ
 Sample : K2644-03 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: May 18 05:17:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	358934	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1396910	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	663593	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	1309789	20.00	ng	0.00
76) Chrysene-d12	14.02	240	896726	20.00	ng	0.00
87) Perylene-d12	15.51	264	1038153	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1116581	50.06	ng	0.00
7) Phenol-d6	6.49	99	1458685	55.30	ng	0.00
23) Nitrobenzene-d5	7.40	82	883335	35.49	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	355564	51.83	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1462757	33.34	ng	-0.01
79) Terphenyl-d14	12.95	244	1401653	32.22	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	261712	5.372	ng	98
71) Phenanthrene	11.39	178	618287	9.703	ng	98
72) Anthracene	11.44	178	180758	2.824	ng	98
73) Carbazole	11.60	167	137416	2.251	ng	96
75) Fluoranthene	12.58	202	781902	11.394	ng	99
78) Pyrene	12.81	202	608746	8.439	ng	98
81) Benzo(a)anthracene	14.00	228	295070	5.087	ng	99
83) Chrysene	14.04	228	263938	4.642	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	148986	2.965	ng	99
88) Benzo(b)fluoranthene	15.07	252	381536m	5.737	ng	
90) Benzo(a)pyrene	15.44	252	261414	4.466	ng	99
92) Benzo(g,h,i)perylene	17.43	276	147994	3.036	ng	96

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

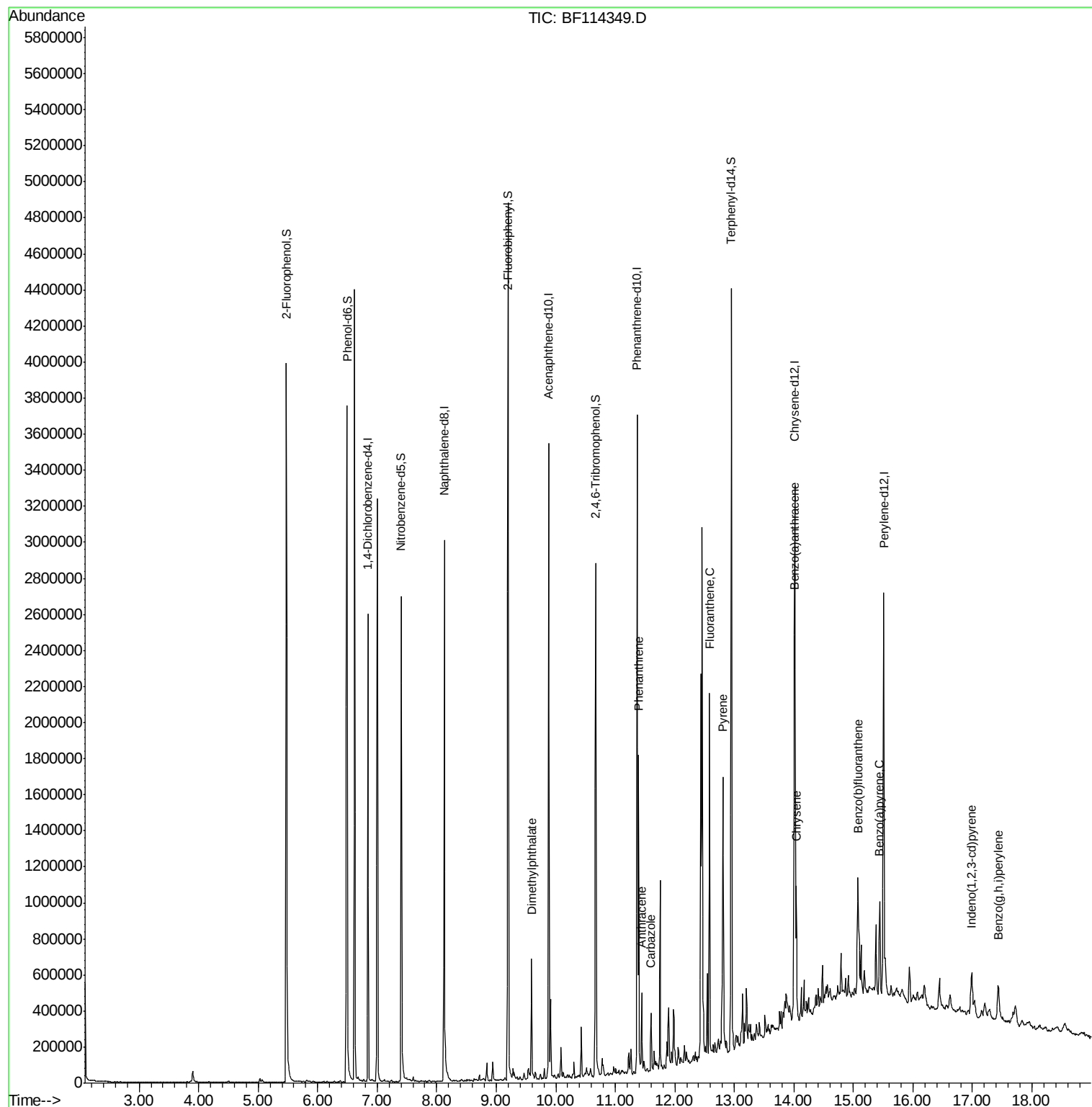
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
Data File : BF114349.D
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Misc :
ALS Vial : 11 Sample Multiplier: 1

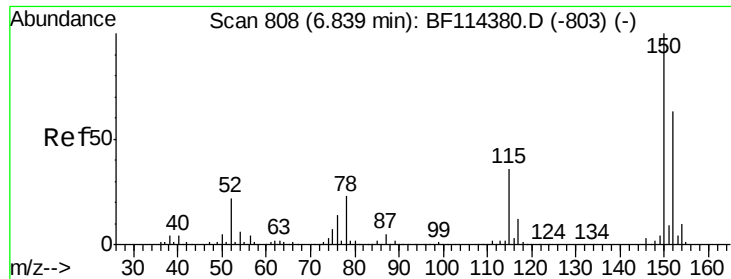
Instrument :
BNA_F
ClientSampleID :
EO-01-051519-B

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Quant Time: May 18 05:17:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration





#1

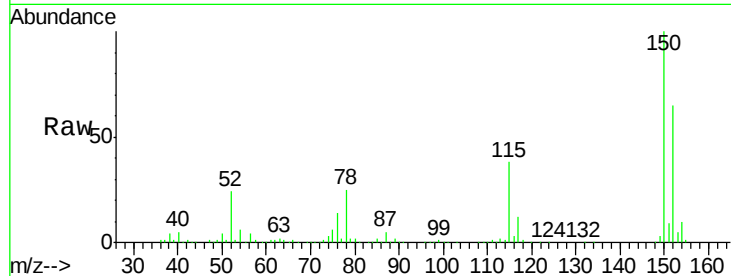
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.3	186.5
115	58.0	49.1	73.7

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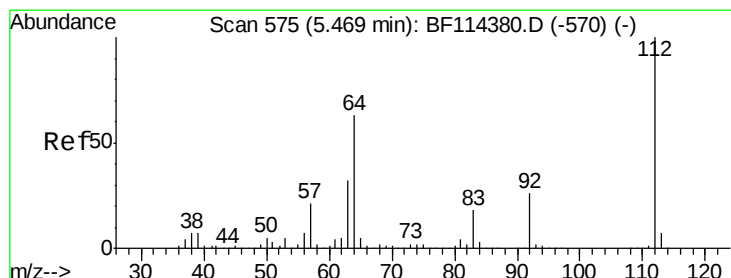
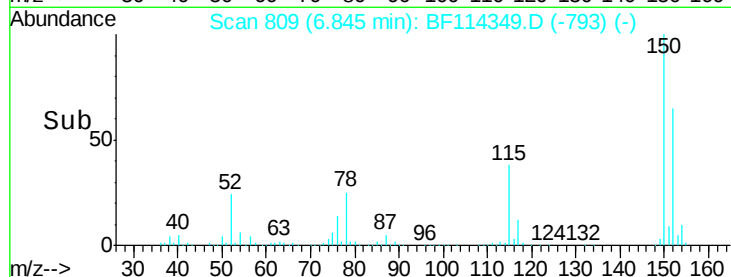
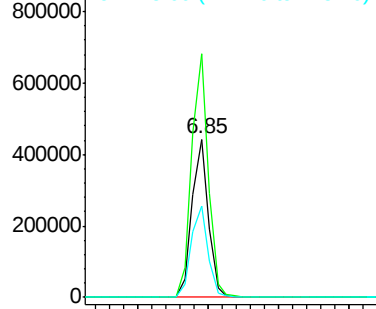


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

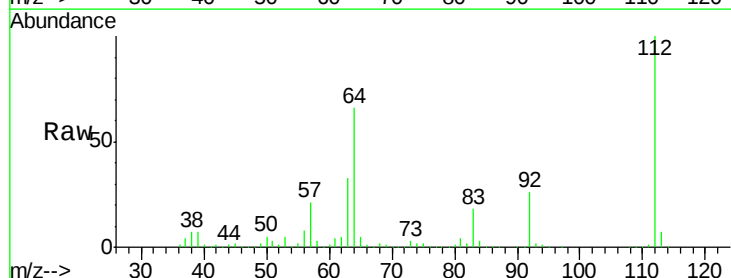
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 50.061 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	49.0	73.6
63	33.0	24.6	37.0

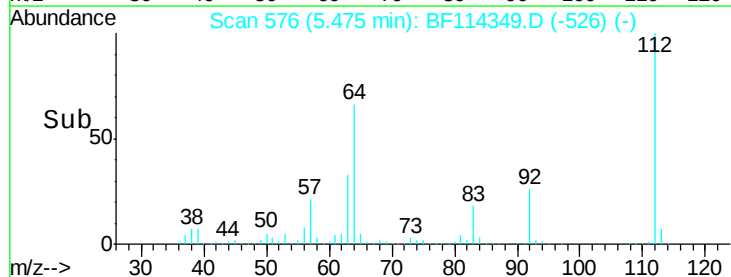
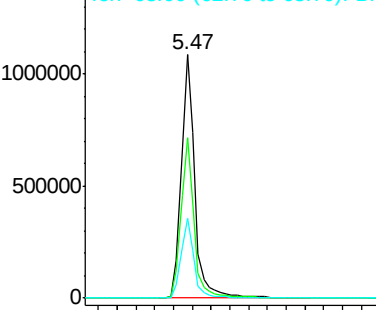


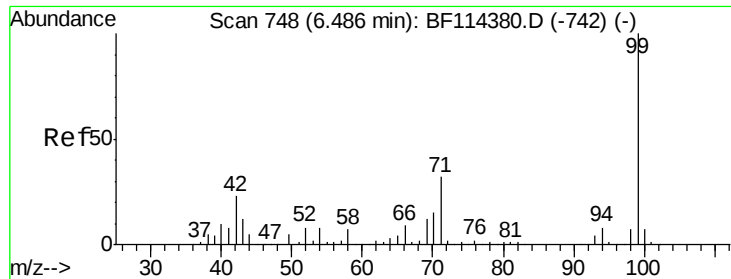
Abundance

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: 55.295 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114349.D

Acq: 17 May 2019 15:01

Instrument :

BNA_F

ClientSampleId :

EO-01-051519-B

Tgt Ion: 99 Resp: 1458685

Ion Ratio Lower Upper

99 100

42 20.8 17.9 26.9

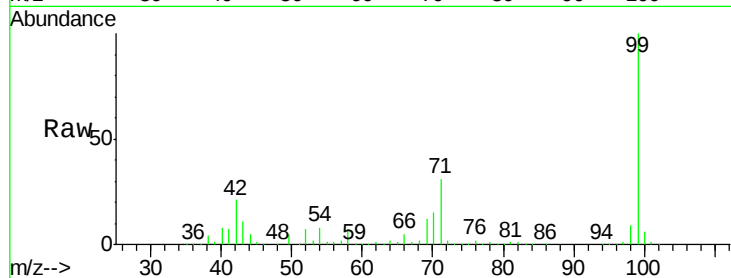
71 30.8 26.2 39.2

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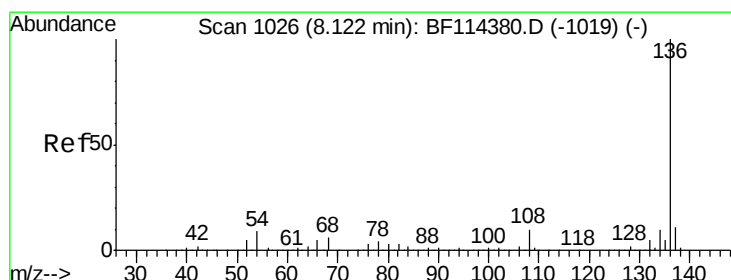
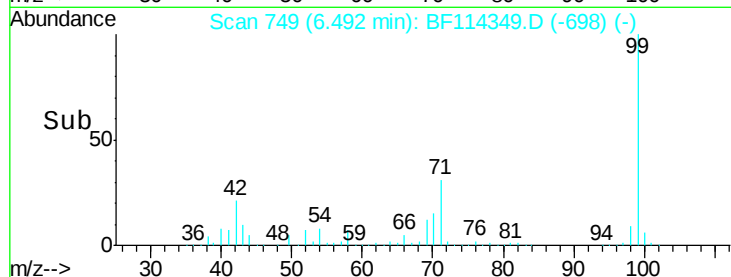
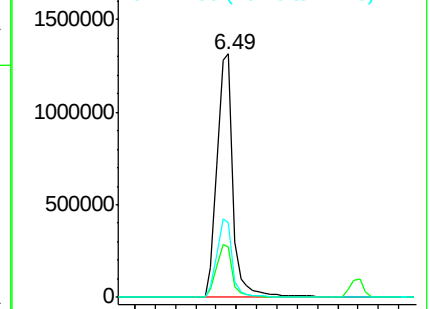
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114349.D

Acq: 17 May 2019 15:01

Tgt Ion: 136 Resp: 1396910

Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 9.1 7.8 11.8

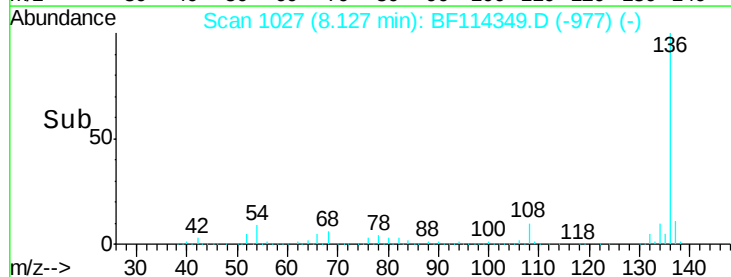
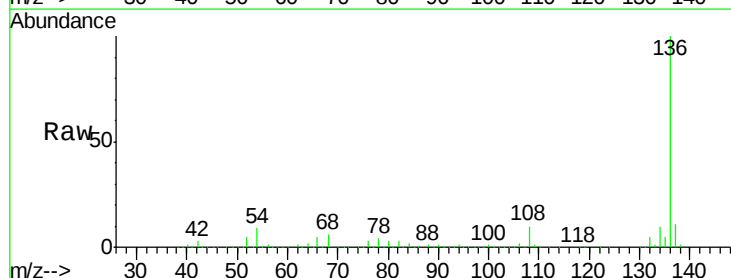
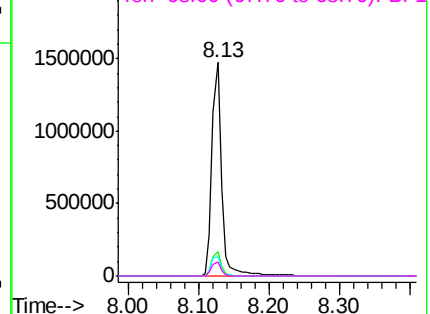
68 6.4 5.1 7.7

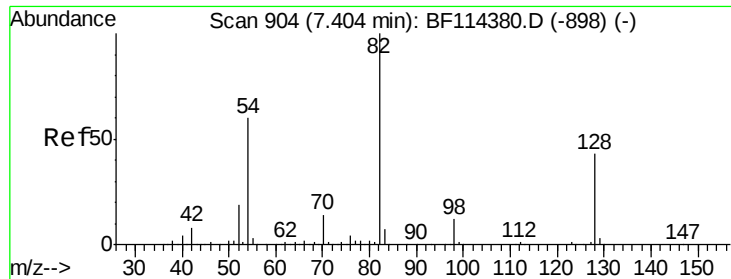
Abundance Ion 136.00 (135.70 to 136.70): E

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





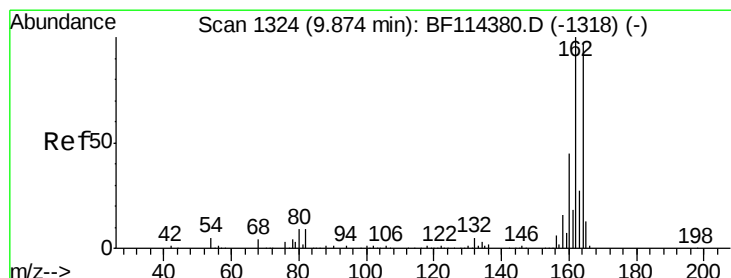
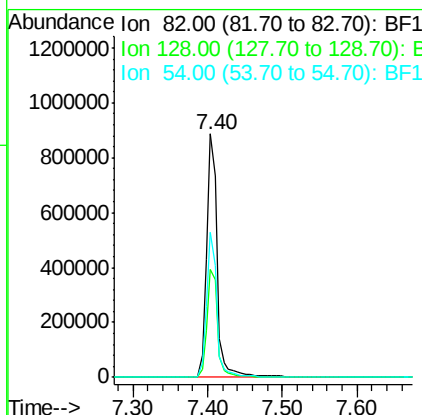
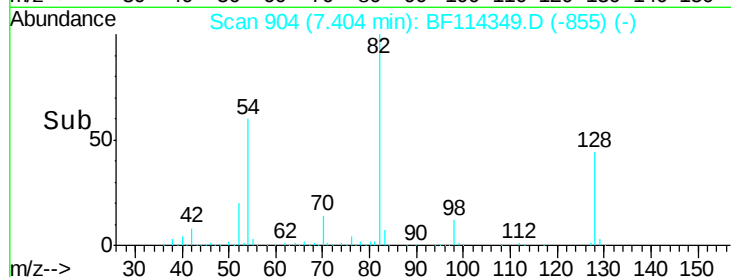
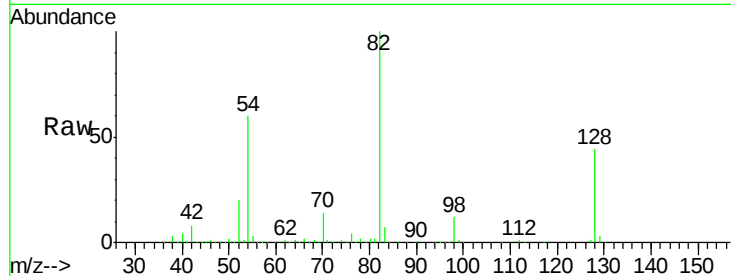
#23
 Nitrobenzene-d5
 Concen: 35.487 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF114349.D
 Acq: 17 May 2019 15:01

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	883335		
128	44.2	35.5	53.3	
54	59.7	48.5	72.7	

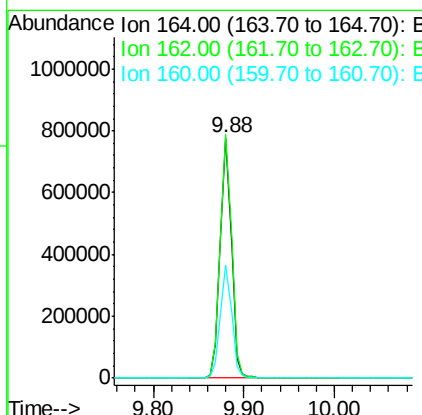
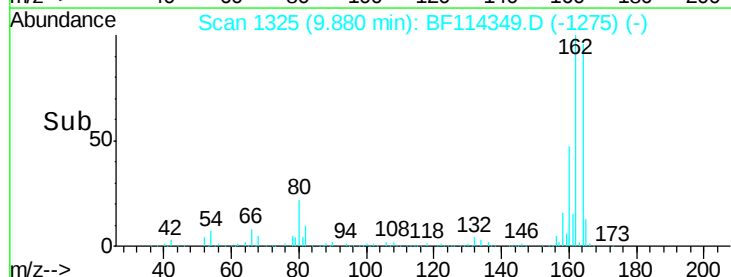
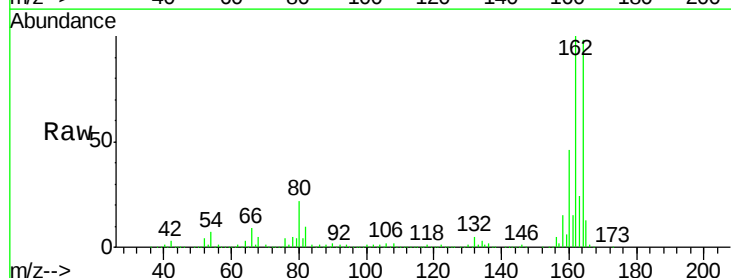
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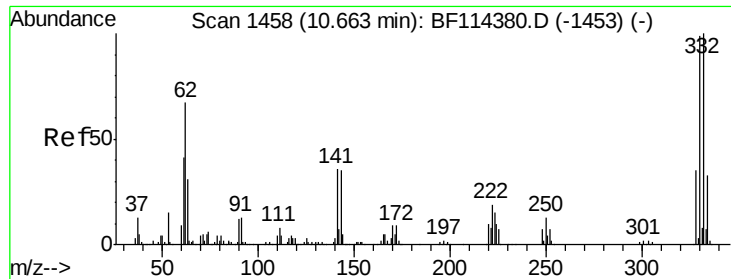
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF114349.D
 Acq: 17 May 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	663593		
162	101.6	80.6	120.8	
160	47.2	36.5	54.7	





#42

2,4,6-Tribromophenol

Concen: 51.828 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF114349.D

Acq: 17 May 2019 15:01

Instrument :

BNA_F

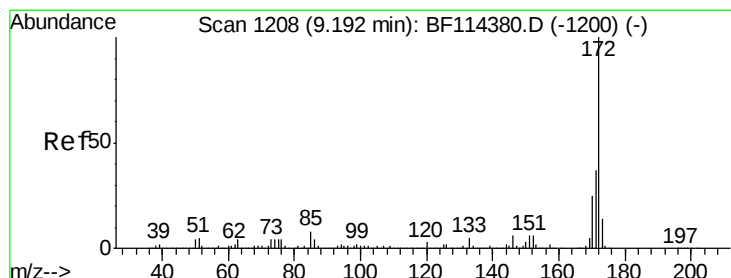
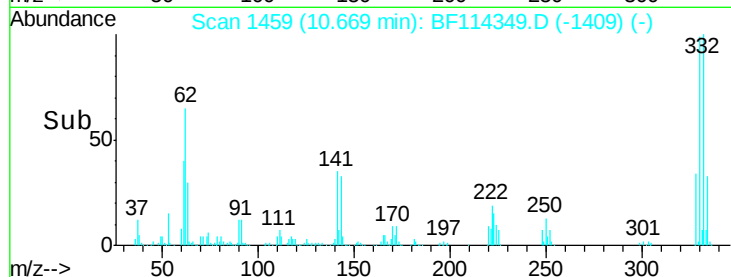
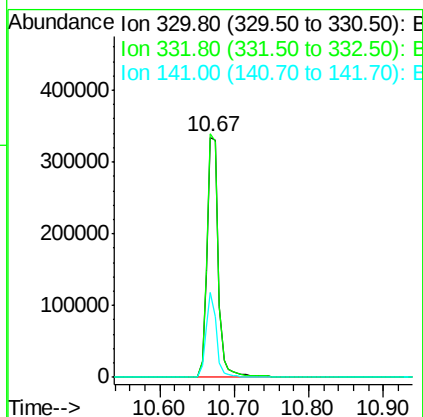
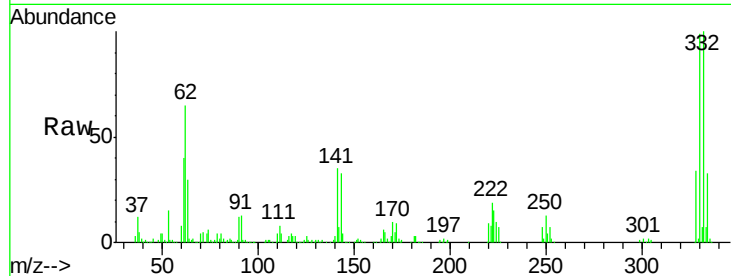
ClientSampleId :

EO-01-051519-B

Tgt Ion:	330	Resp:	355564
Ion Ratio	Lower	Upper	
330	100		
332	100.1	81.4	122.2
141	33.0	26.6	40.0

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#45

2-Fluorobiphenyl

Concen: 33.344 ng

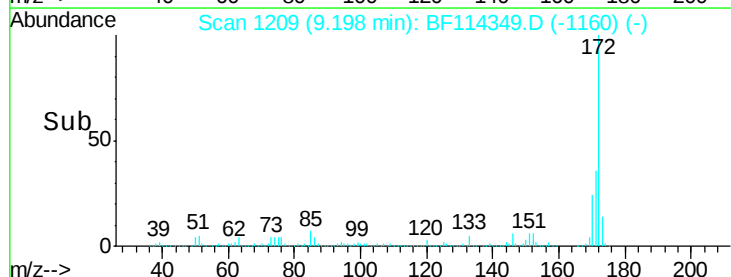
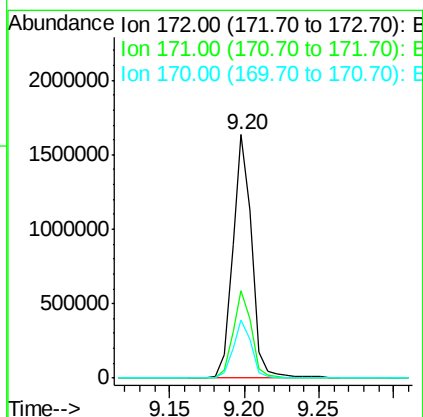
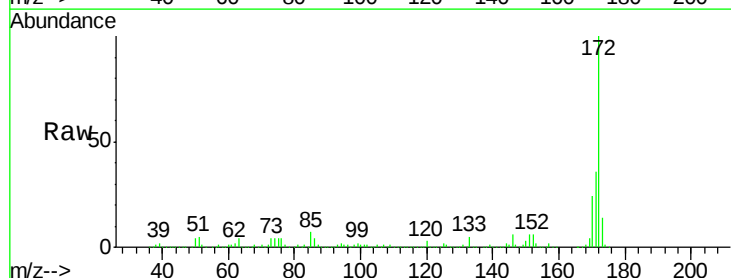
RT: 9.20 min Scan# 1209

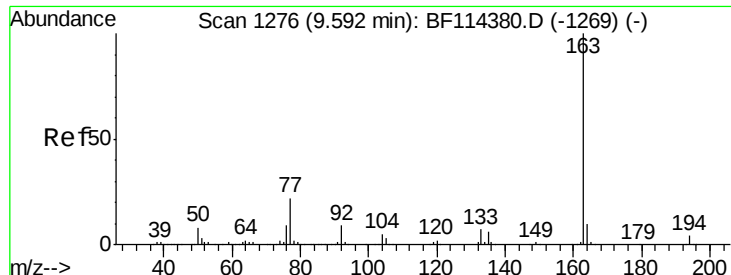
Delta R.T. -0.01 min

Lab File: BF114349.D

Acq: 17 May 2019 15:01

Tgt Ion:	172	Resp:	1462757
Ion Ratio	Lower	Upper	
172	100		
171	36.0	30.7	46.1
170	23.9	20.5	30.7





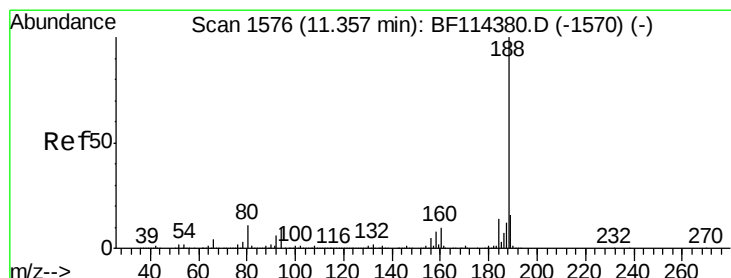
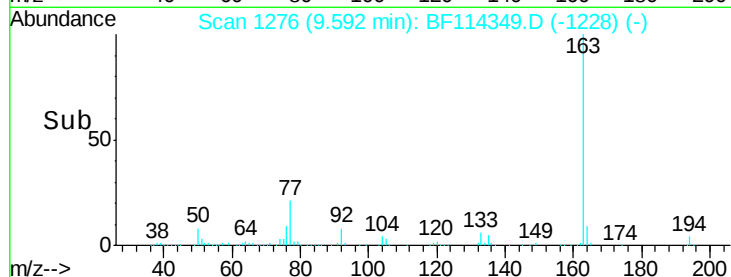
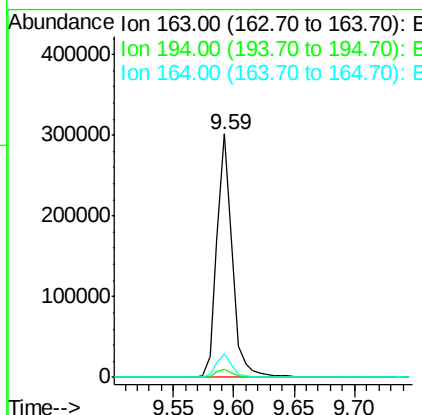
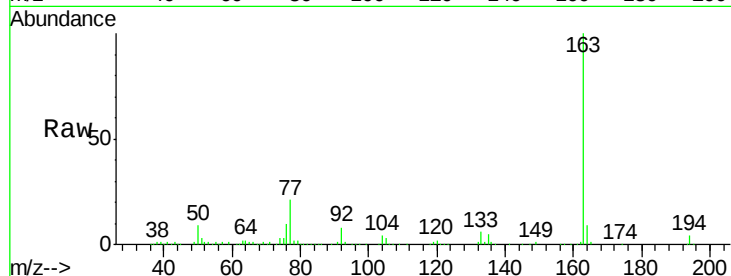
#50
Dimethylphthalate
Concen: 5.372 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	261712		
194	3.5	3.4	5.0	
164	9.4	8.2	12.2	

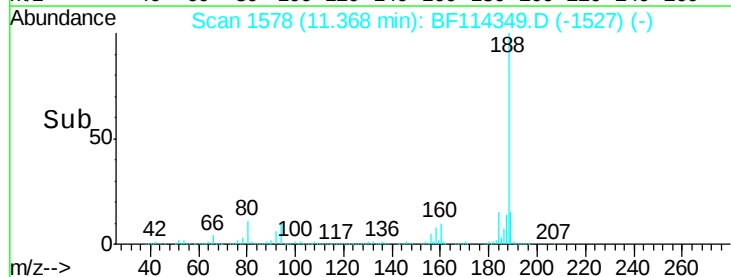
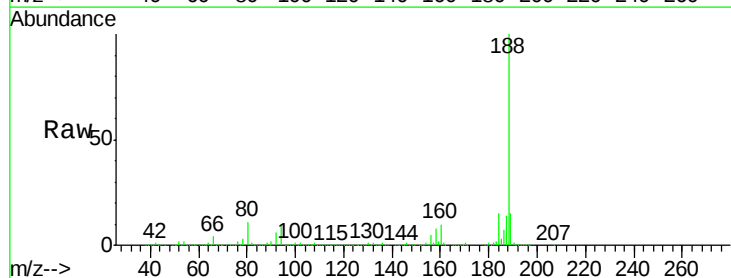
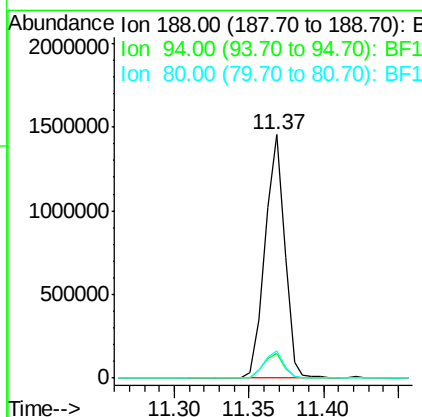
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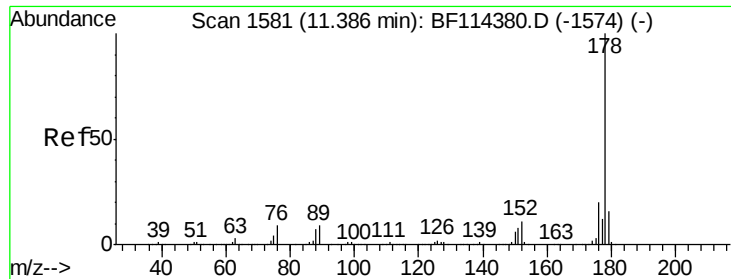
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	1309789		
94	10.2	8.4	12.6	
80	11.0	9.2	13.8	





#71

Phenanthrene

Concen: 9.703 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF114349.D

Acq: 17 May 2019 15:01

Instrument :

BNA_F

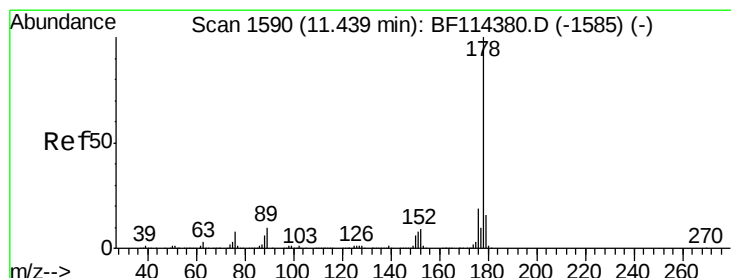
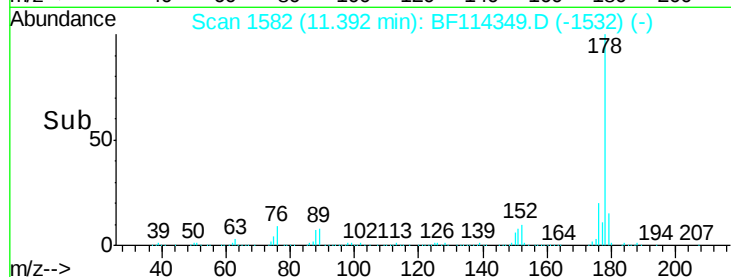
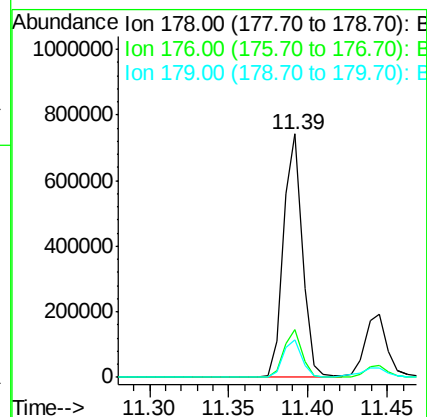
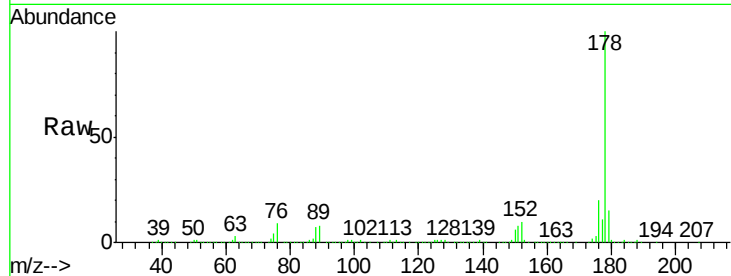
ClientSampleId :

EO-01-051519-B

Tgt Ion:	178	Resp:	618287
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.4	24.6
179	15.3	13.2	19.8

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#72

Anthracene

Concen: 2.824 ng

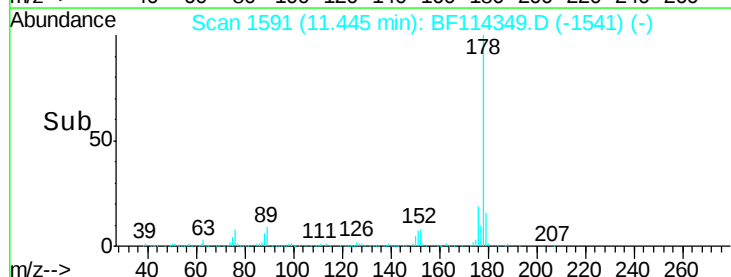
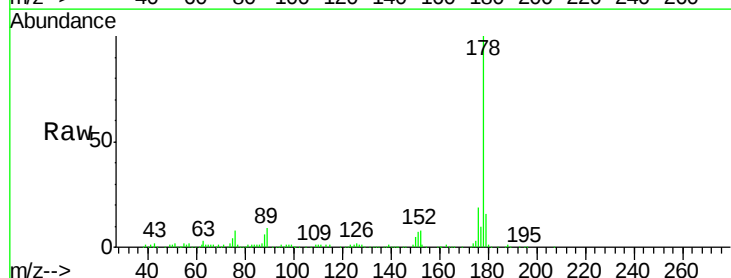
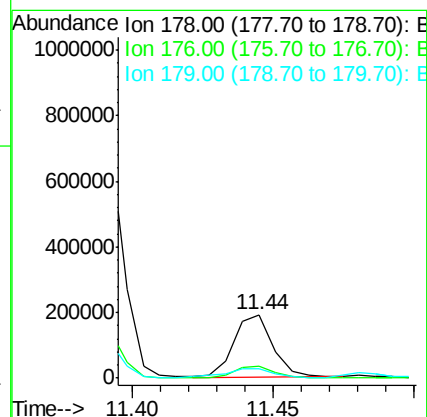
RT: 11.44 min Scan# 1591

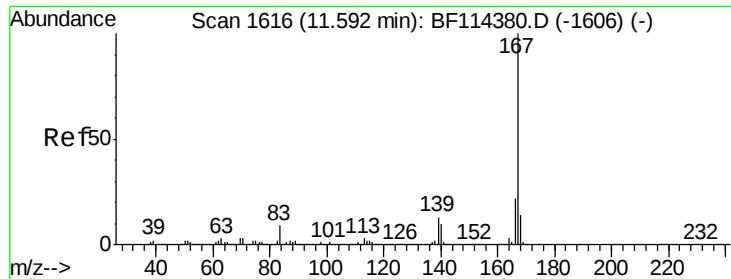
Delta R.T. -0.01 min

Lab File: BF114349.D

Acq: 17 May 2019 15:01

Tgt Ion:	178	Resp:	180758
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.8
179	15.8	13.0	19.4





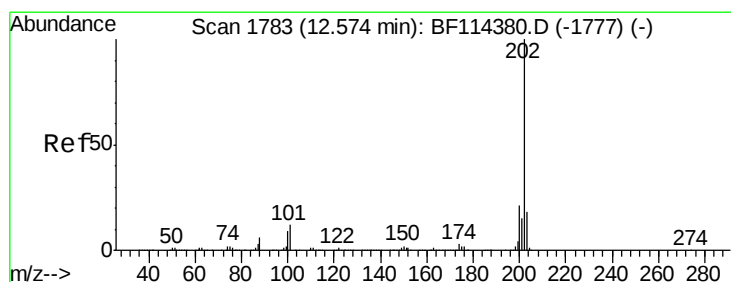
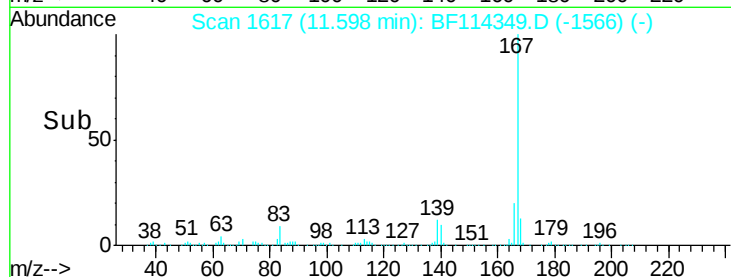
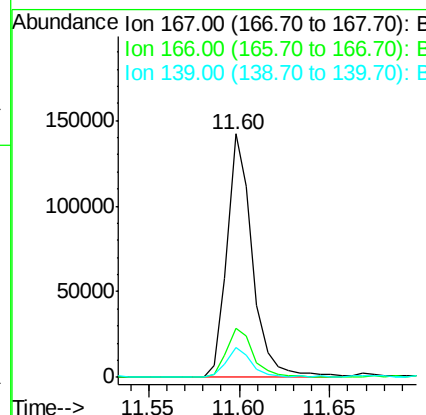
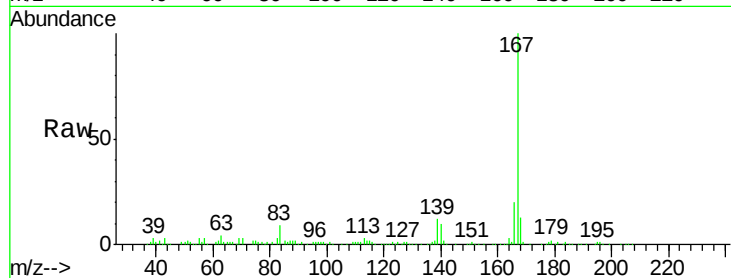
#73
 Carbazole
 Concen: 2.251 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. -0.00 min
 Lab File: BF114349.D
 Acq: 17 May 2019 15:01

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

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	137416		
166	20.1	18.2	27.2	
139	12.2	10.6	16.0	

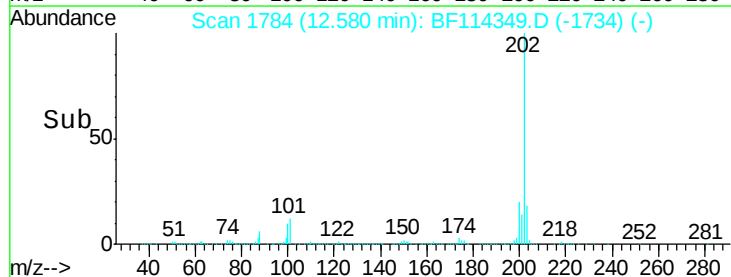
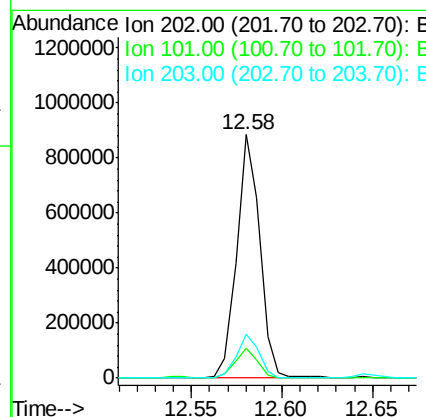
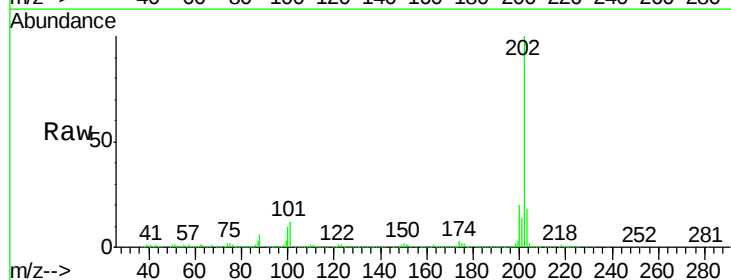
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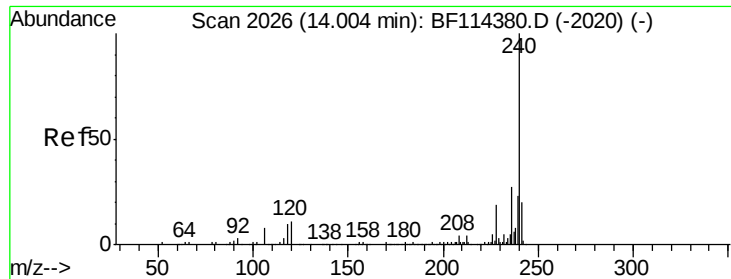
mohammad
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#75
 Fluoranthene
 Concen: 11.394 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BF114349.D
 Acq: 17 May 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	781902		
101	12.2	0.0	31.0	
203	18.3	0.0	38.4	





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF114349.D

Acq: 17 May 2019 15:01

Instrument :

BNA_F

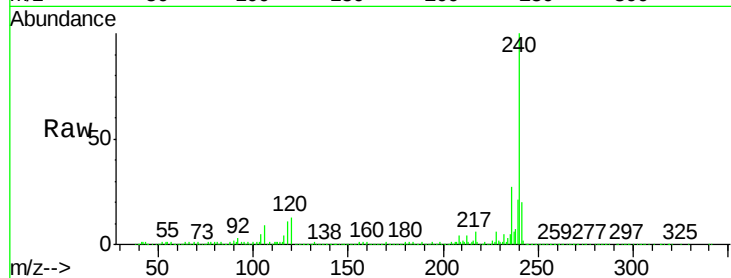
ClientSampleId :

EO-01-051519-B

Tgt Ion:	240	Resp:	896726
Ion Ratio	Lower	Upper	
240	100		
120	12.8	8.3	12.5#
236	26.7	20.8	31.2

Manual Integrations
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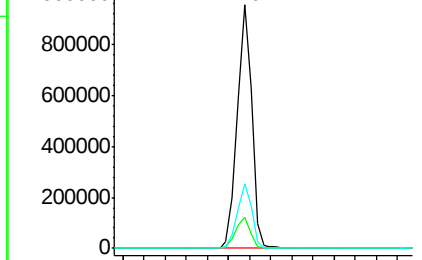
mohammad
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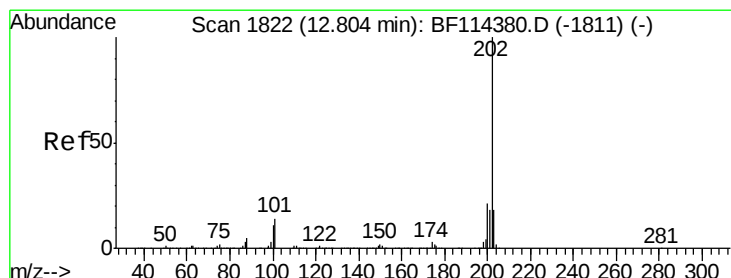
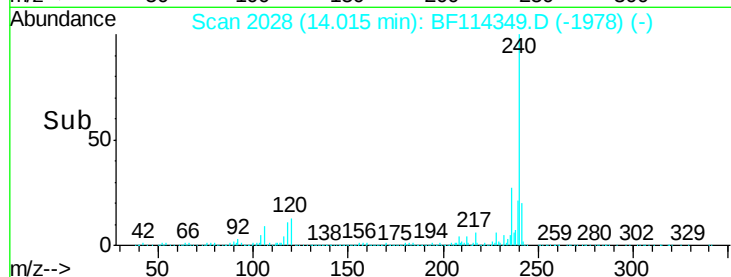
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.90 14.00 14.10



#78

Pyrene

Concen: 8.439 ng

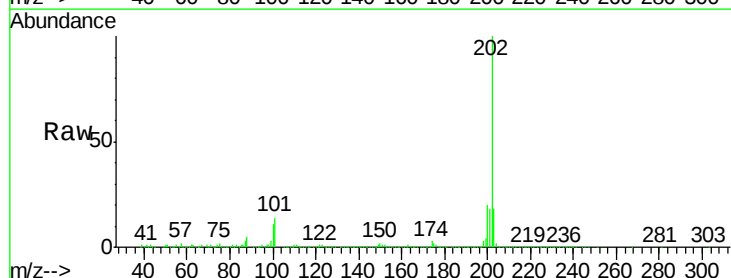
RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF114349.D

Acq: 17 May 2019 15:01

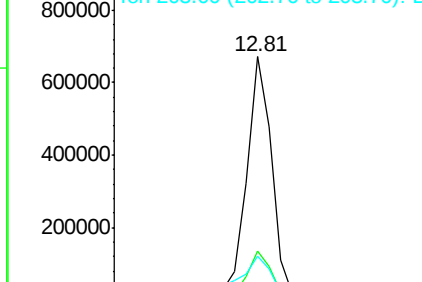
Tgt Ion:	202	Resp:	608746
Ion Ratio	Lower	Upper	
202	100		
200	19.9	16.9	25.3
203	17.8	14.5	21.7



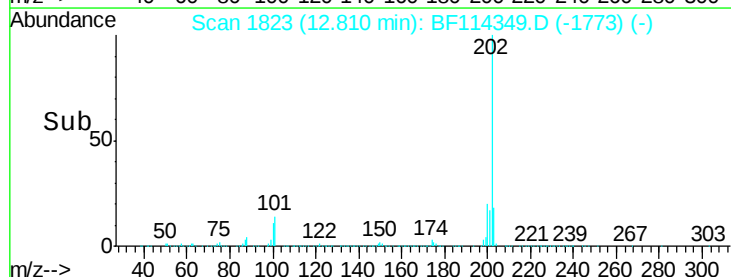
Abundance Ion 202.00 (201.70 to 202.70): E

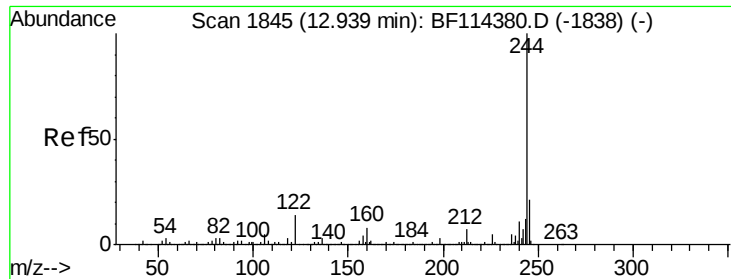
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.75 12.80 12.85





#79

Terphenyl-d14

Concen: 32.222 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114349.D

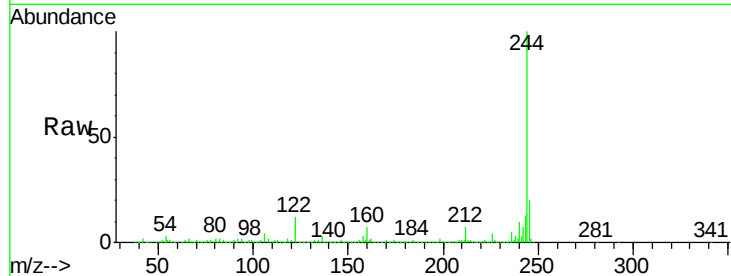
Acq: 17 May 2019 15:01

Instrument :

BNA_F

ClientSampleId :

EO-01-051519-B

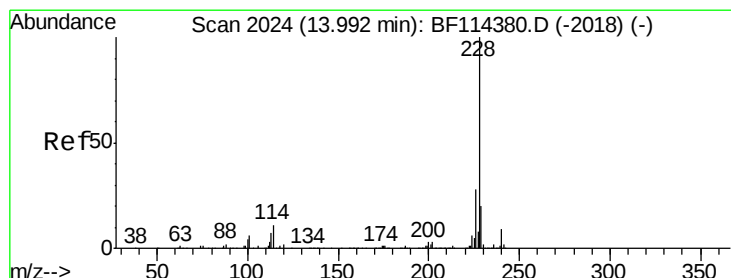
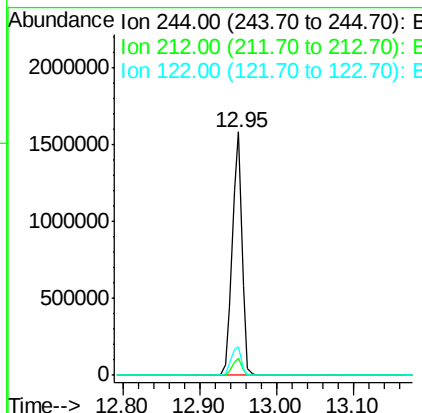
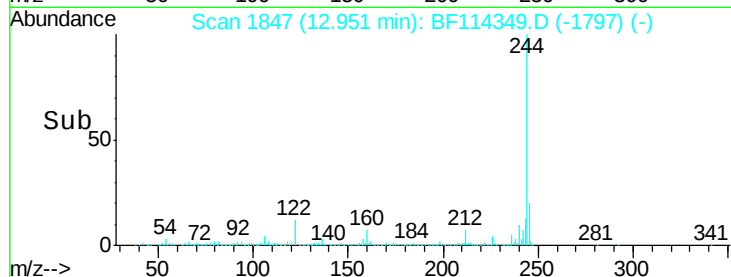


Tgt Ion:244 Resp: 1401653

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	11.6	9.4	14.2

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#81

Benzo(a)anthracene

Concen: 5.087 ng

RT: 14.00 min Scan# 2026

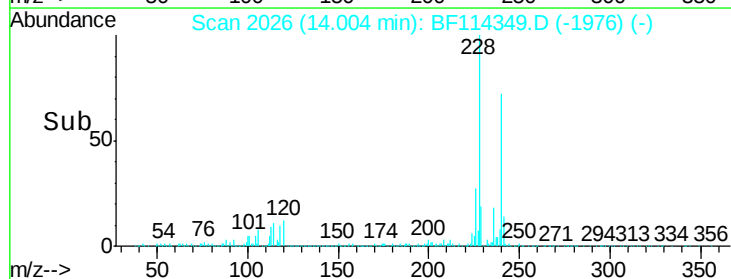
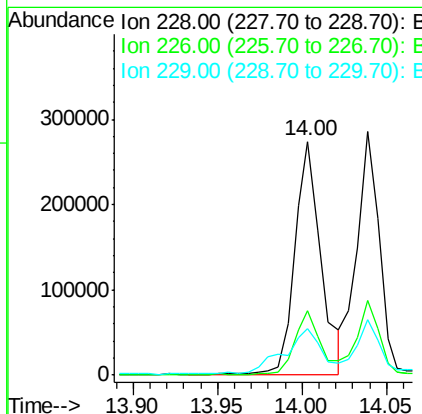
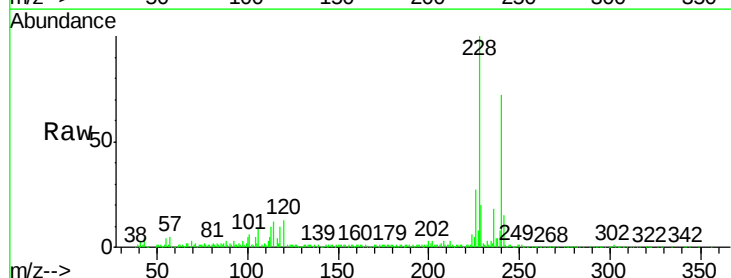
Delta R.T. -0.01 min

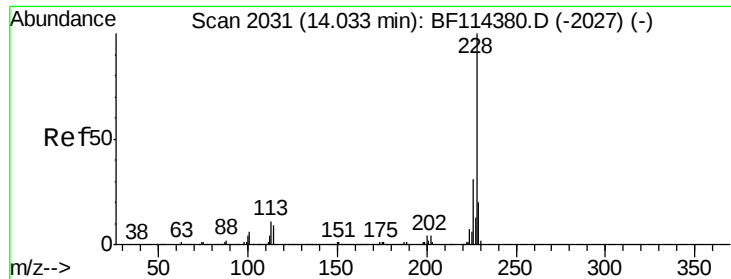
Lab File: BF114349.D

Acq: 17 May 2019 15:01

Tgt Ion:228 Resp: 295070

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.2	33.2
229	20.1	16.4	24.6





#83

Chrysene

Concen: 4.642 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF114349.D

Acq: 17 May 2019 15:01

Instrument :

BNA_F

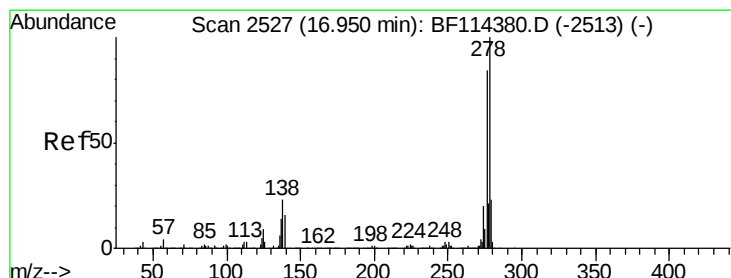
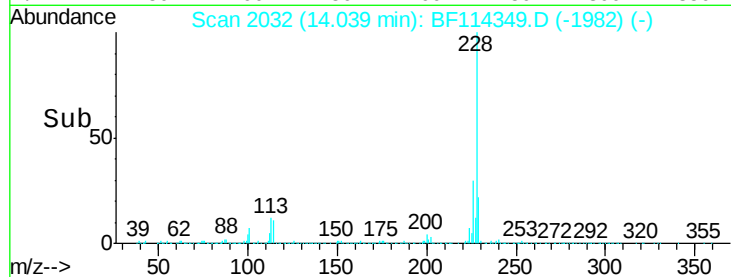
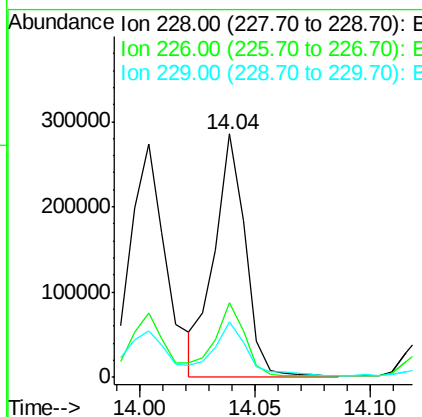
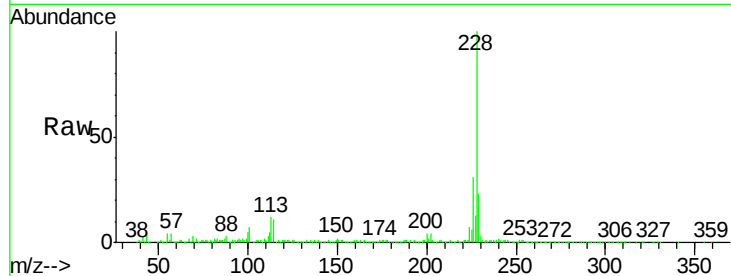
ClientSampleId :

EO-01-051519-B

Tgt Ion:	228	Resp:	263938
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	22.6	17.0	25.6

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#86

Indeno(1,2,3-cd)pyrene

Concen: 2.965 ng

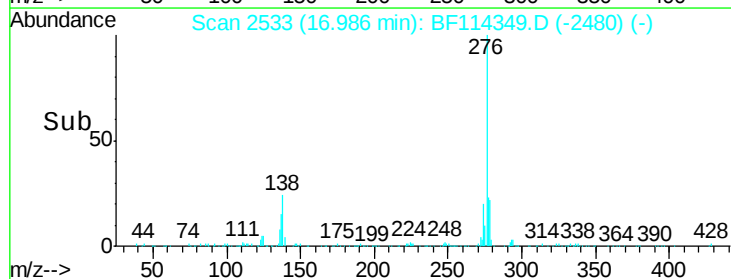
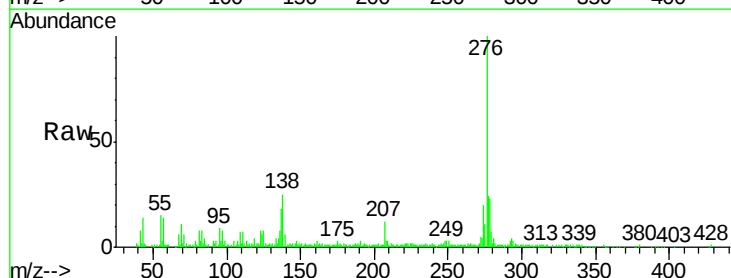
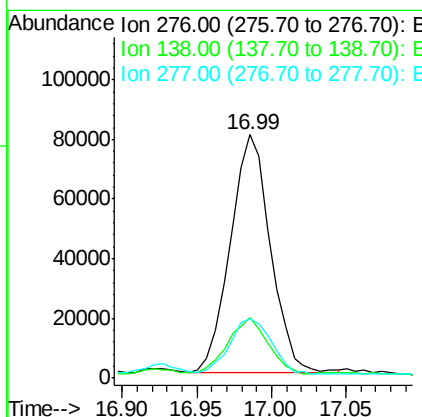
RT: 16.99 min Scan# 2533

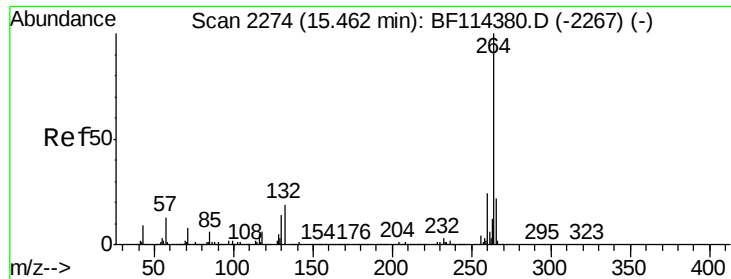
Delta R.T. 0.01 min

Lab File: BF114349.D

Acq: 17 May 2019 15:01

Tgt Ion:	276	Resp:	148986
Ion Ratio	Lower	Upper	
276	100		
138	24.9	20.2	30.2
277	24.1	20.0	30.0





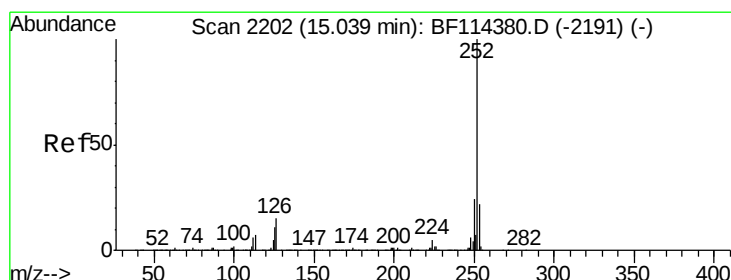
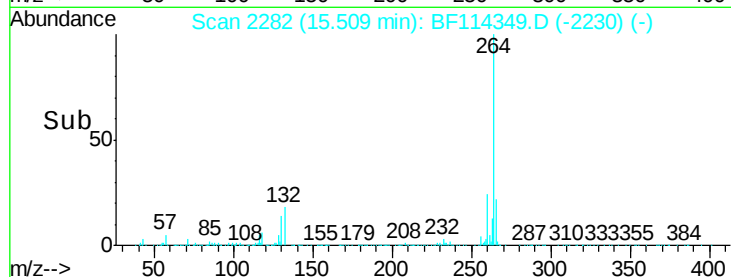
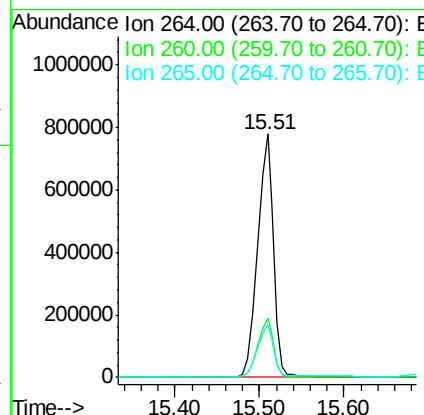
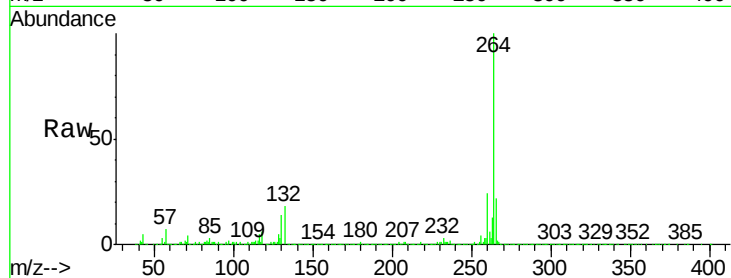
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion:264 Resp: 1038153
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.0
265 21.7 16.9 25.3

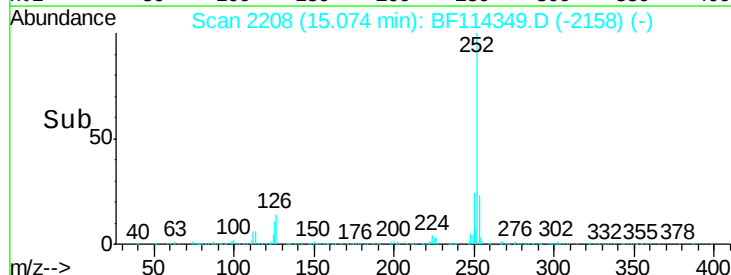
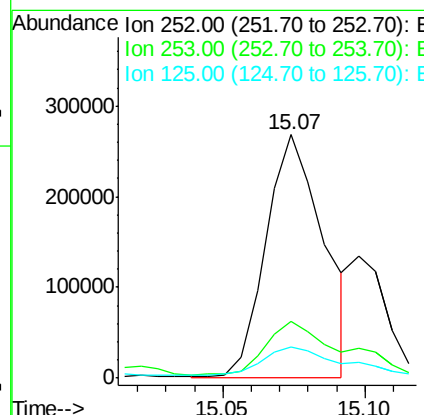
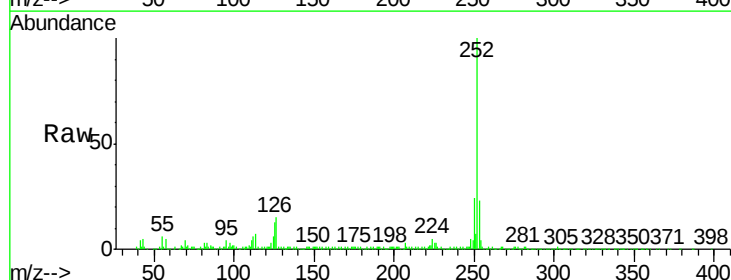
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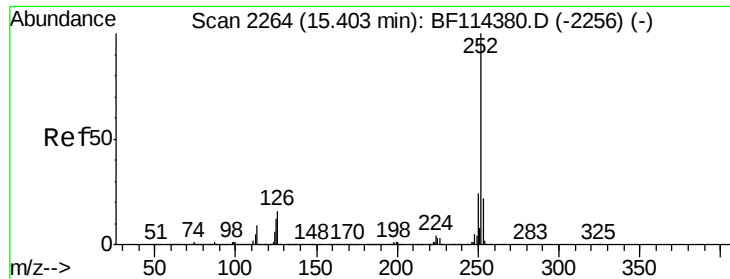
mohammad
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#88
Benzo(b)fluoranthene
Concen: 5.737 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion:252 Resp: 381536
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 12.7 8.3 12.5#





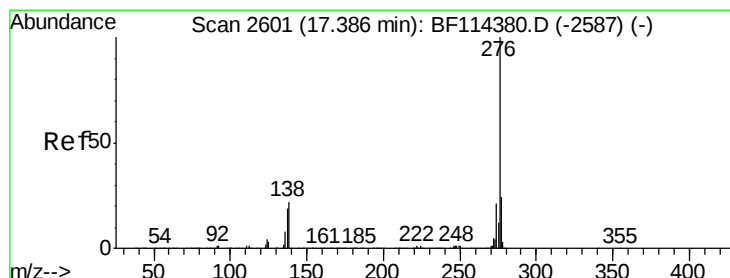
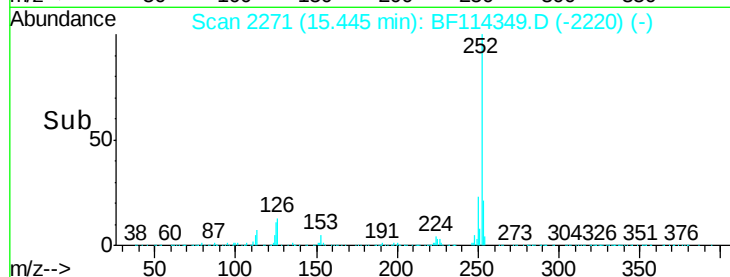
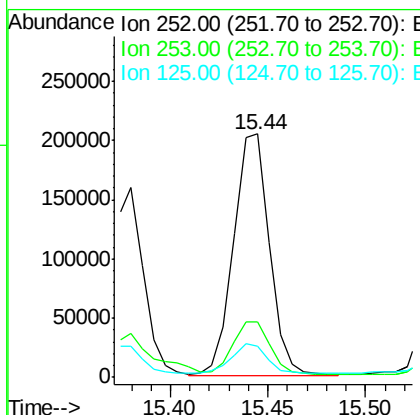
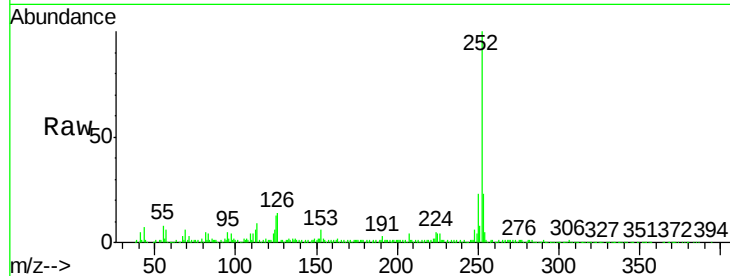
#90
Benzo(a)pyrene
Concen: 4.466 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.8	18.1	27.1
125	12.6	9.5	14.3

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#92
Benzo(g,h,i)perylene
Concen: 3.036 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.02 min
Lab File: BF114349.D
Acq: 17 May 2019 15:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	25.2	19.0	28.4
138	24.7	17.8	26.6

