

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
 Data File : BF115344.D
 Acq On : 1 Jul 2019 17:53
 Operator : HP/JU
 Sample : K3160-09 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-062819-B

Manual Integrations
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Quant Time: Jul 02 09:09:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	244179	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	943746	20.00	ng	0.00
39) Acenaphthene-d10	9.63	164	436006	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	825855	20.00	ng	0.00
76) Chrysene-d12	13.72	240	551728	20.00	ng	0.00
87) Perylene-d12	15.09	264	449824	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	751454	47.49	ng	0.00
7) Phenol-d6	6.24	99	957797	49.87	ng	0.00
23) Nitrobenzene-d5	7.16	82	543147	35.40	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	230295	50.09	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	1085702	42.30	ng	0.00
79) Terphenyl-d14	12.68	244	1101859	42.46	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.35	163	219542	6.844	ng	98
52) Acenaphthene	9.66	154	56042	2.031	ng	98
55) Dibenzofuran	9.83	168	88567	2.237	ng	98
71) Phenanthrene	11.13	178	1000541	22.502	ng	97
72) Anthracene	11.18	178	296495	6.606	ng	99
75) Fluoranthene	12.31	202	1204463	27.149	ng	99
78) Pyrene	12.54	202	1060019	25.000	ng	99
81) Benzo(a)anthracene	13.71	228	484033	12.227	ng	97
83) Chrysene	13.75	228	402309	11.094	ng	96
86) Indeno(1,2,3-cd)pyrene	16.36	276	172910	4.030	ng	94
88) Benzo(b)fluoranthene	14.72	252	476160m	16.965	ng	
89) Benzo(k)fluoranthene	14.74	252	111390m	4.425	ng	
90) Benzo(a)pyrene	15.04	252	302550	11.960	ng	98
92) Benzo(a,h,i)perylene	16.74	276	156261	6.537	ng	97

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

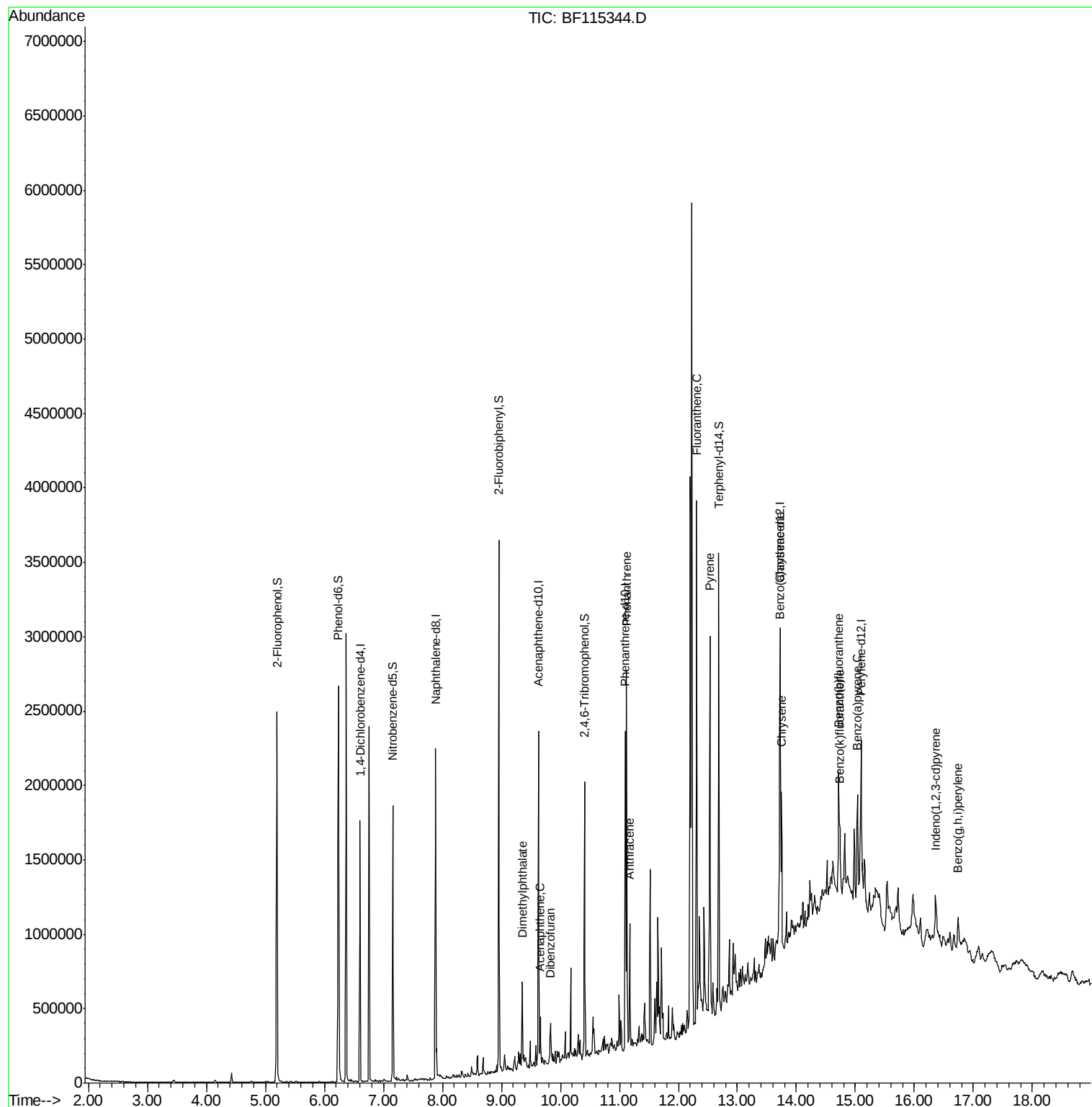
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
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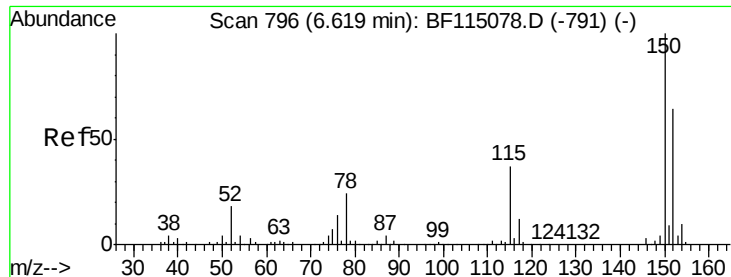
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

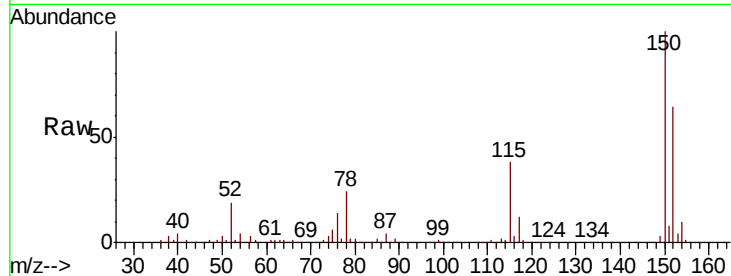
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF115344.D
Acq: 1 Jul 2019 17:53

Instrument :
BNA_F
ClientSampleId :
EO-01-062819-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.2	186.2
115	59.0	46.1	69.1

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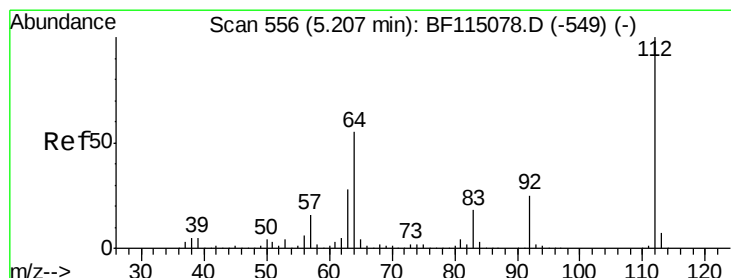
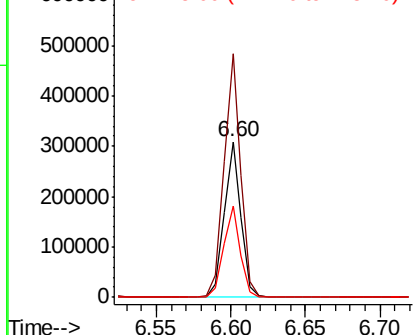
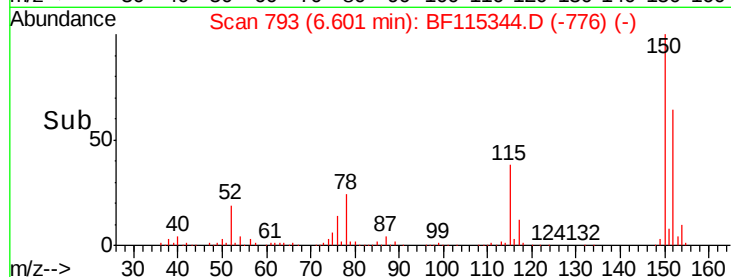


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

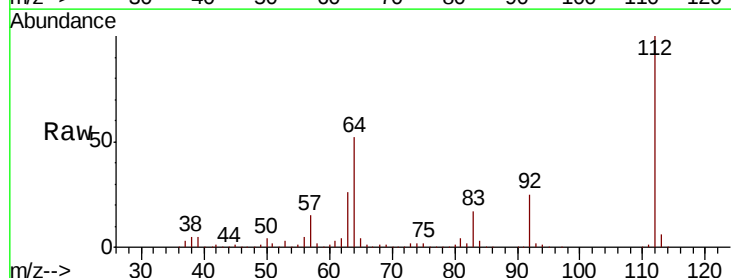
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.491 ng
RT: 5.20 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF115344.D
Acq: 1 Jul 2019 17:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	43.8	65.6
63	26.3	22.2	33.4

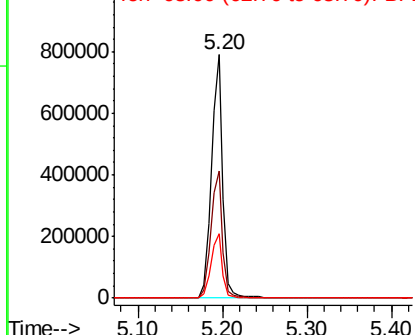
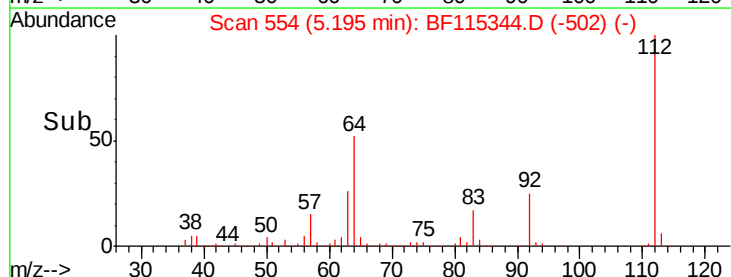


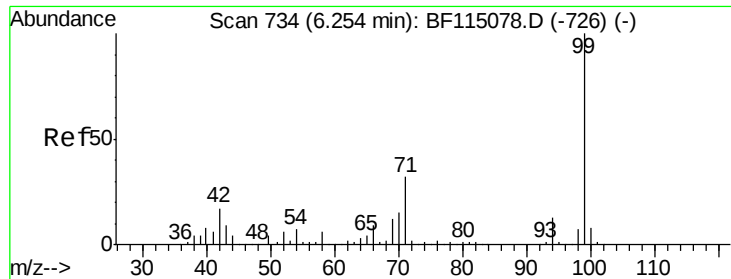
Abundance

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: 49.871 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115344.D

Acq: 1 Jul 2019 17:53

Instrument :

BNA_F

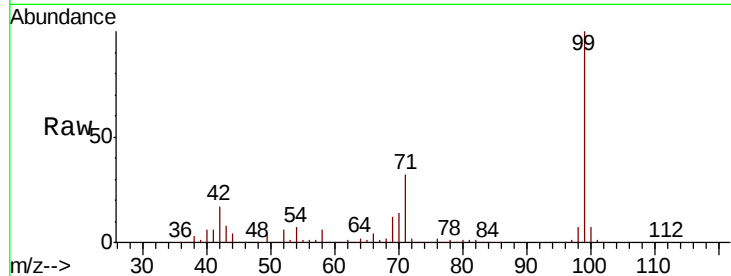
ClientSampleId :

EO-01-062819-B

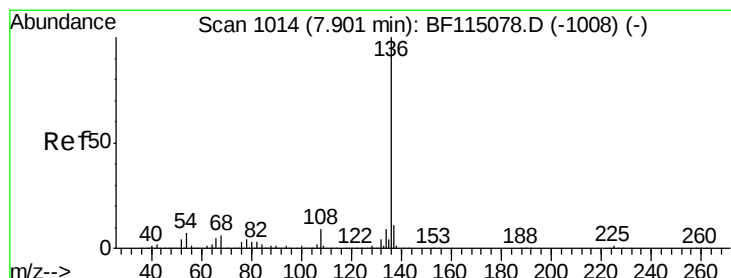
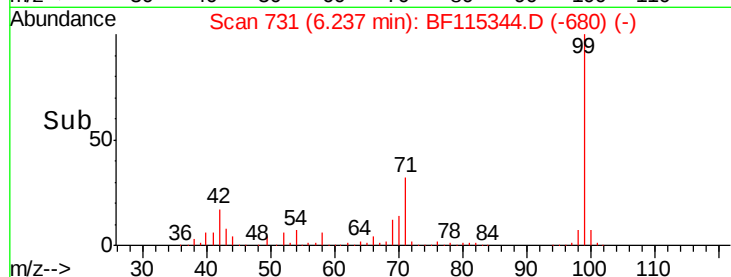
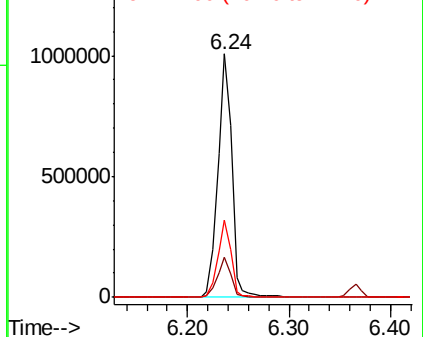
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		957797		
42	16.7	13.6	20.4		
71	31.7	25.5	38.3		

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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: 7.88 min Scan# 1011

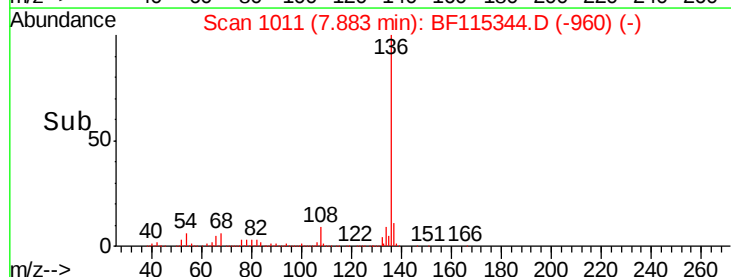
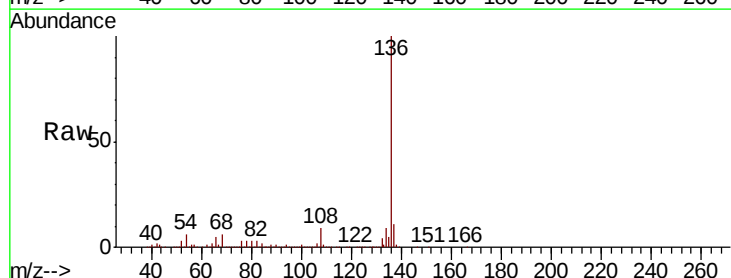
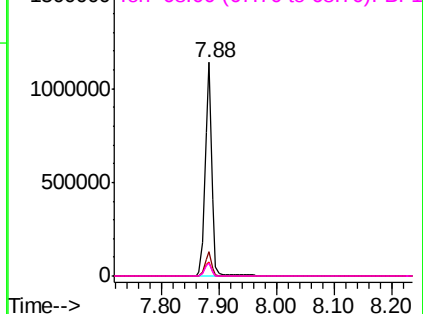
Delta R.T. 0.00 min

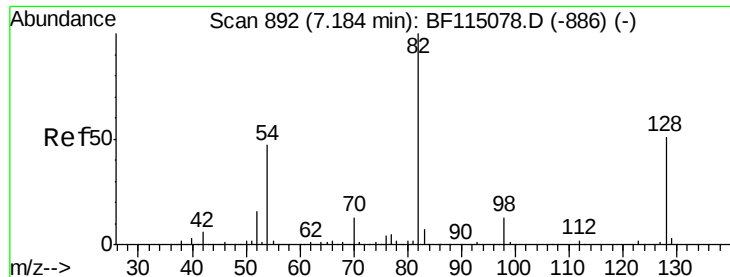
Lab File: BF115344.D

Acq: 1 Jul 2019 17:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		943746		
137	11.3	8.9	13.3		
54	6.4	5.6	8.4		
68	5.7	4.8	7.2		

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





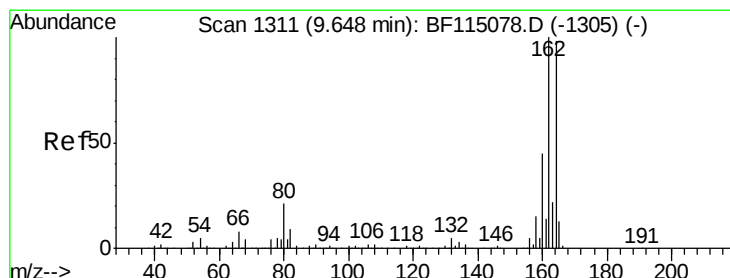
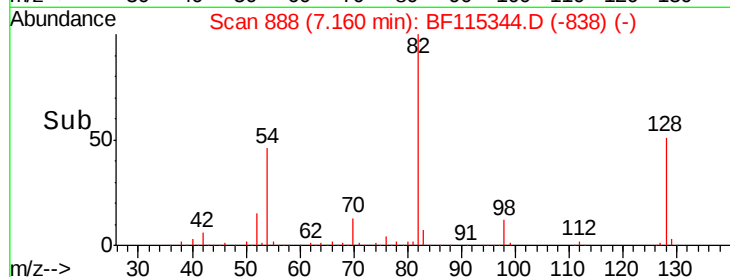
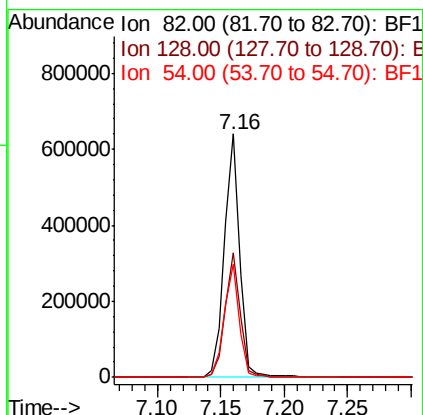
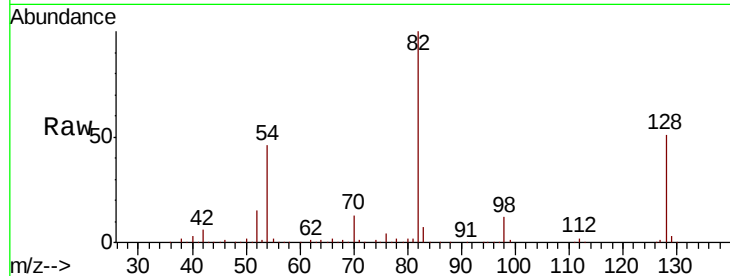
#23
Nitrobenzene-d5
Concen: 35.403 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115344.D
Acq: 1 Jul 2019 17:53

Instrument :
BNA_F
ClientSampleId :
EO-01-062819-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.3	40.4	60.6
54	46.3	37.5	56.3

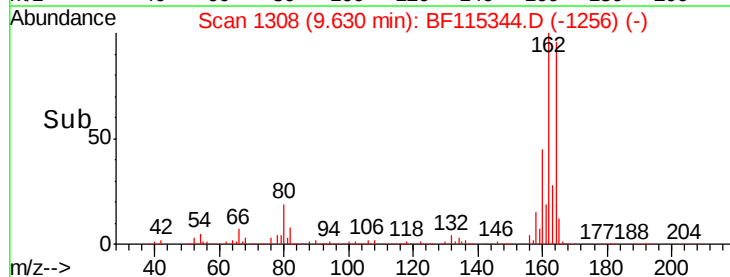
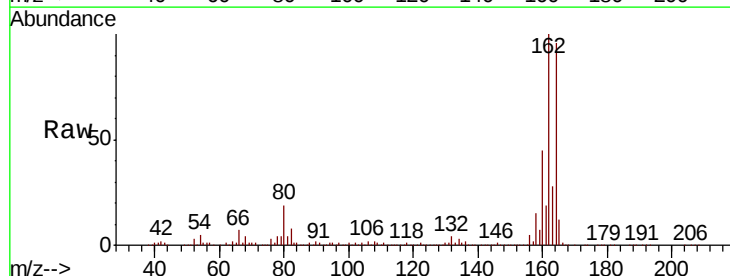
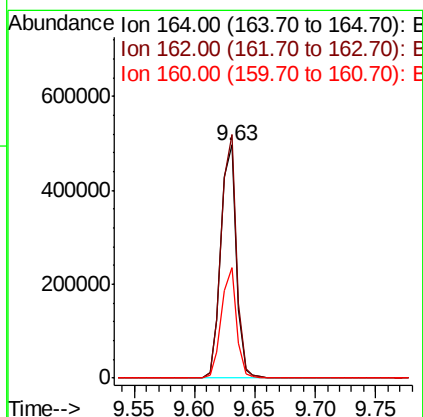
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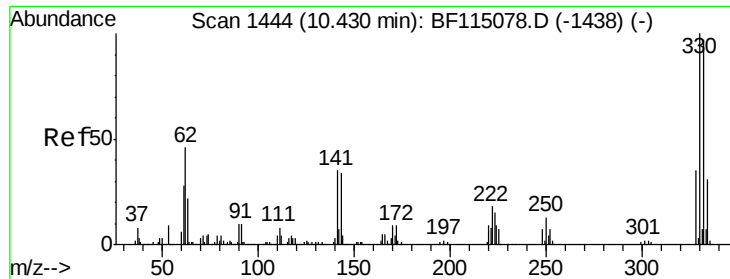
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.63 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BF115344.D
Acq: 1 Jul 2019 17:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	81.7	122.5
160	47.2	37.0	55.4





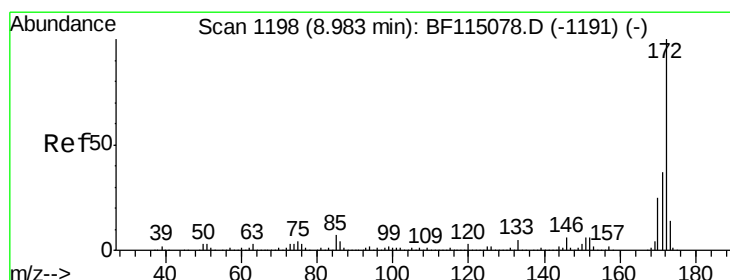
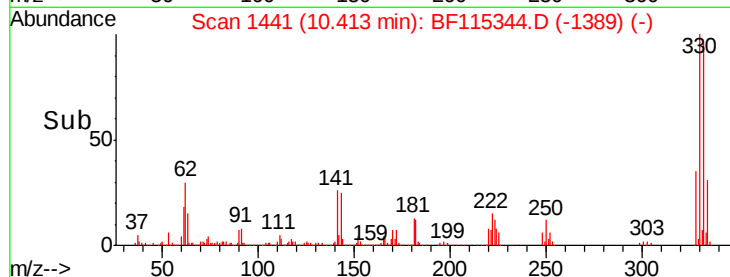
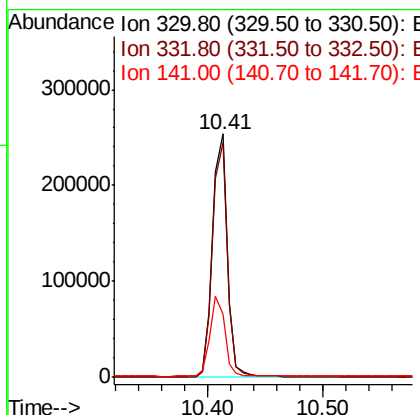
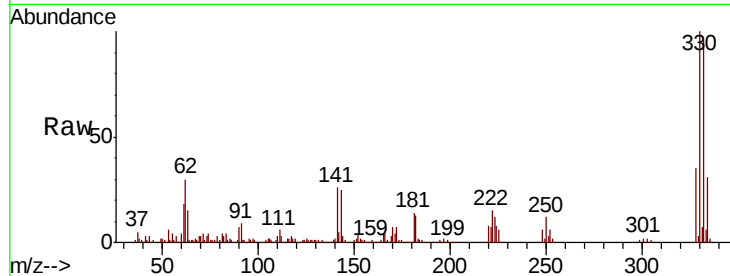
#42
 2,4,6-Tribromophenol
 Concen: 50.088 ng
 RT: 10.41 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF115344.D
 Acq: 1 Jul 2019 17:53

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-062819-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	230295		
332	96.4		77.3	115.9
141	32.4		28.2	42.2

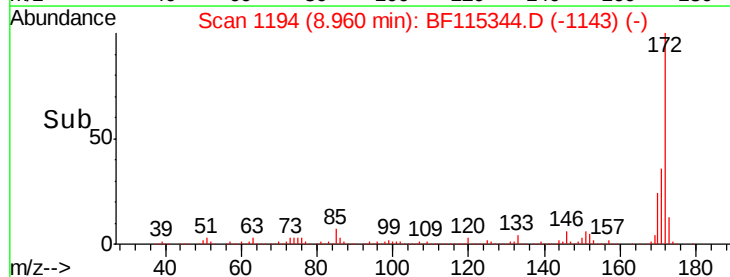
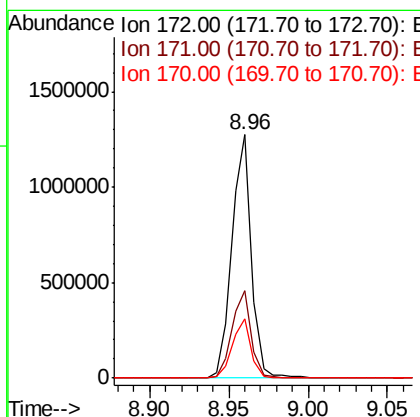
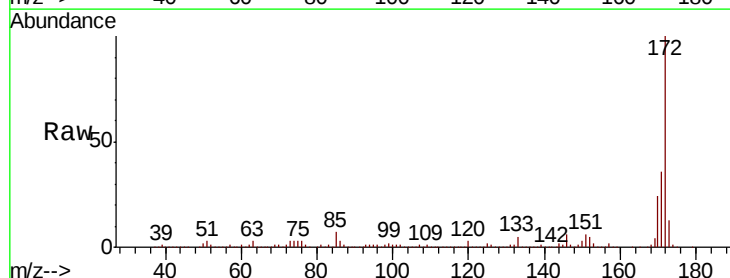
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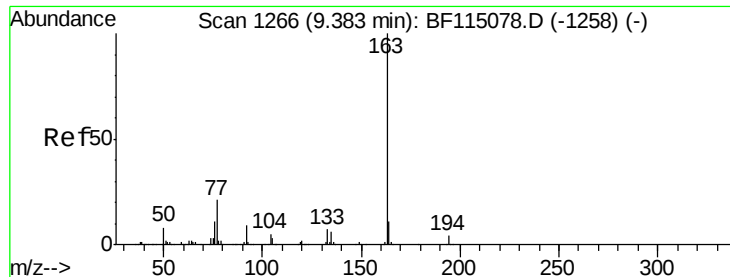
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#45
 2-Fluorobiphenyl
 Concen: 42.298 ng
 RT: 8.96 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF115344.D
 Acq: 1 Jul 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1085702		
171	36.1		29.8	44.6
170	24.2		20.3	30.5





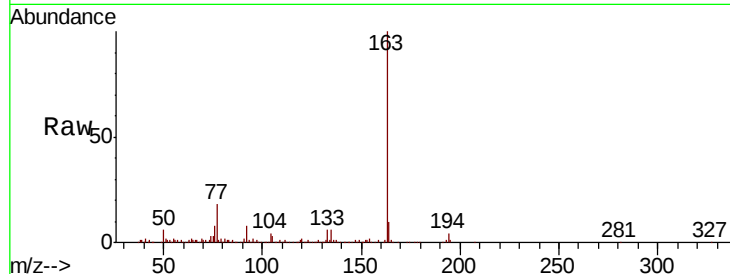
#50
Dimethylphthalate
Concen: 6.844 ng
RT: 9.35 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF115344.D
Acq: 1 Jul 2019 17:53

Instrument :
BNA_F
ClientSampleId :
EO-01-062819-B

Tot Ion	Ratio	Resp	Lower	Upper
163	100	219542		
194	4.3		3.2	4.8
164	9.9		8.6	13.0

Manual Integrations
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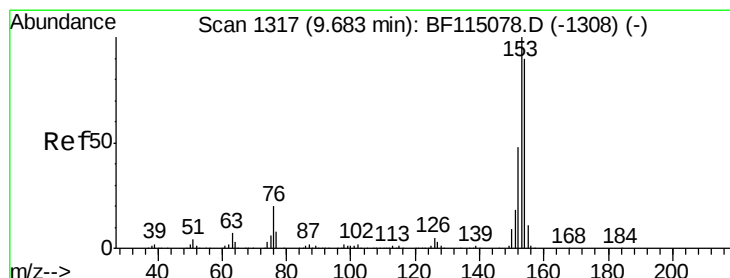
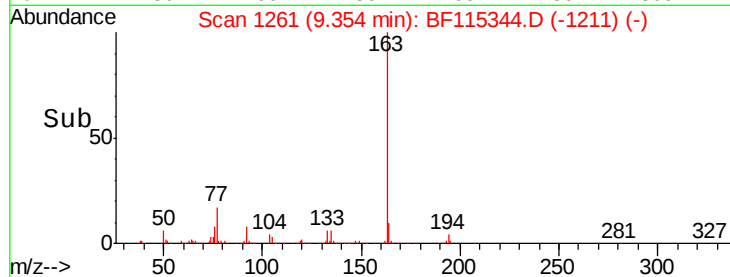
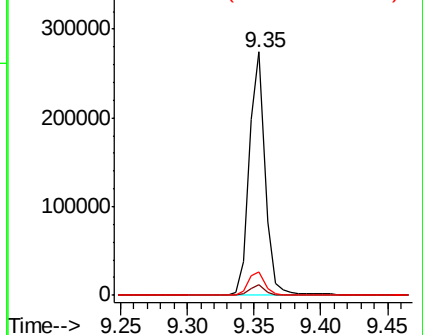


Abundance

Ion 163.00 (162.70 to 163.70): E

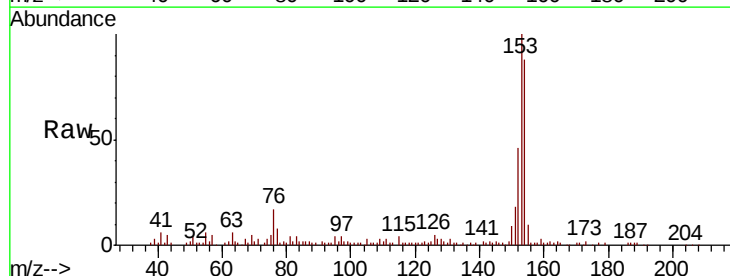
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 2.031 ng
RT: 9.66 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BF115344.D
Acq: 1 Jul 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	56042		
153	113.1		88.7	133.1
152	52.5		42.6	64.0

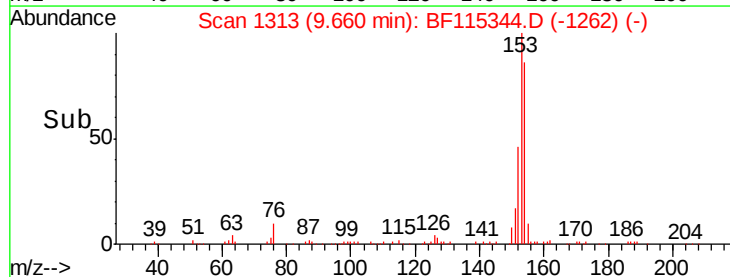
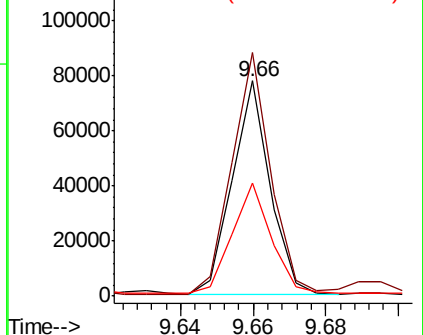


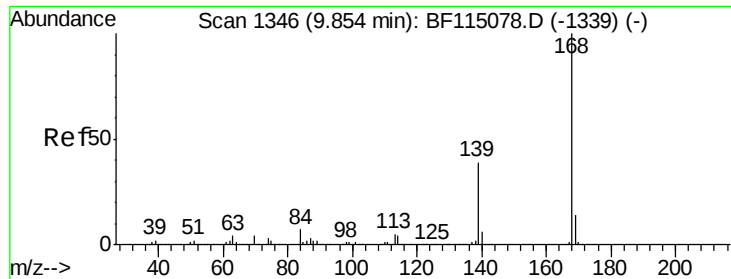
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





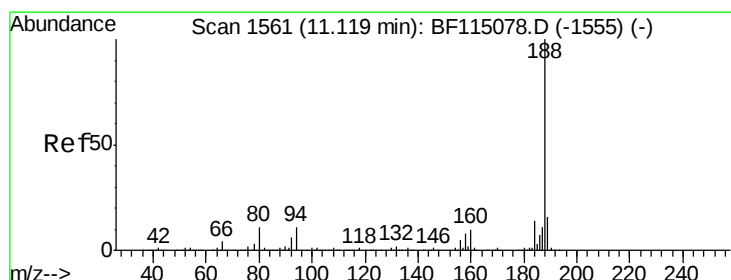
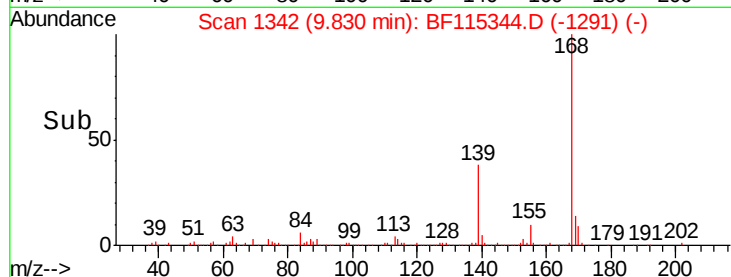
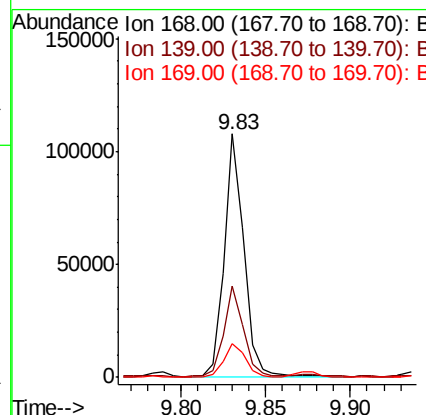
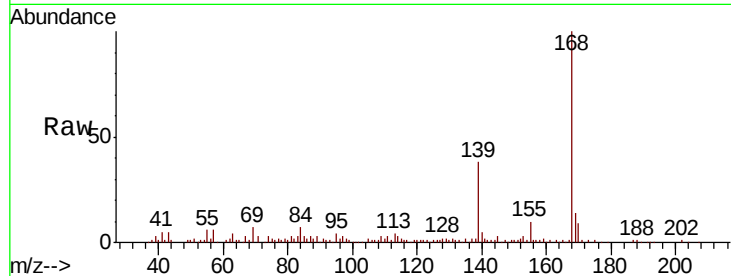
#55
Dibenzofuran
Concen: 2.237 ng
RT: 9.83 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF115344.D
Acq: 1 Jul 2019 17:53

Instrument :
BNA_F
ClientSampleId :
EO-01-062819-B

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.7	31.1	46.7
169	14.1	11.3	16.9

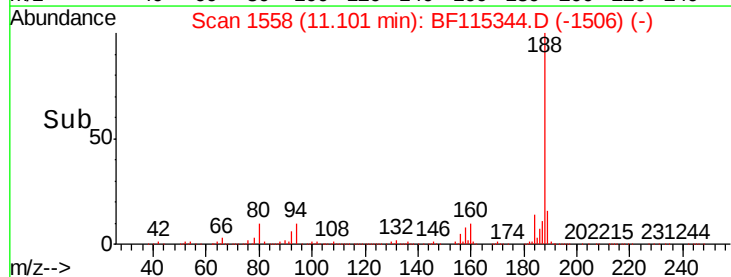
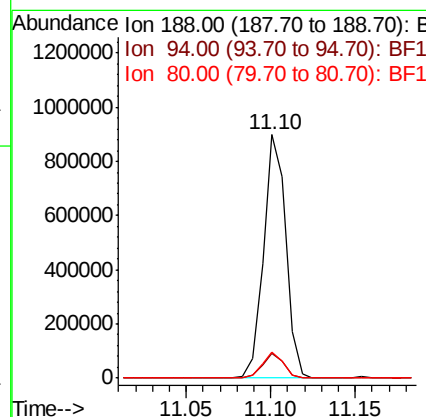
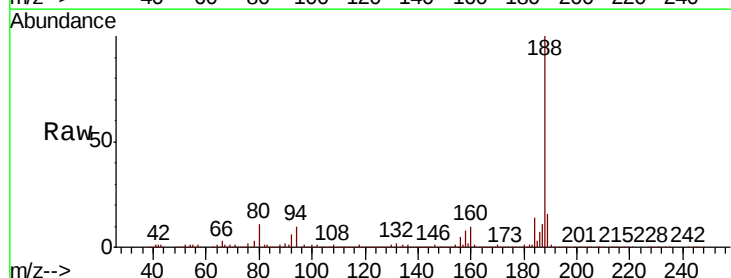
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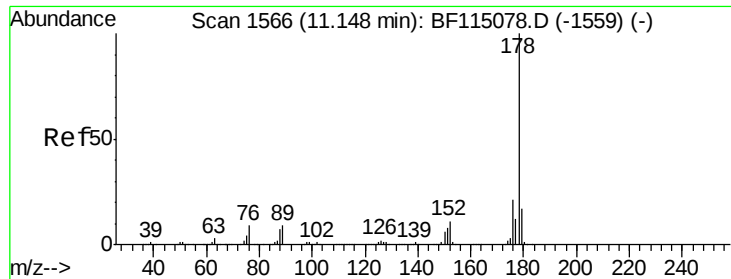
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF115344.D
Acq: 1 Jul 2019 17:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.6	12.8
80	10.5	8.8	13.2





#71

Phenanthrene

Concen: 22.502 ng

RT: 11.13 min Scan# 1563

Delta R.T. 0.01 min

Lab File: BF115344.D

Acq: 1 Jul 2019 17:53

Instrument :

BNA_F

ClientSampleId :

EO-01-062819-B

Tot Ion:178 Resp: 1000541

Ion Ratio Lower Upper

178 100

176 19.5 16.9 25.3

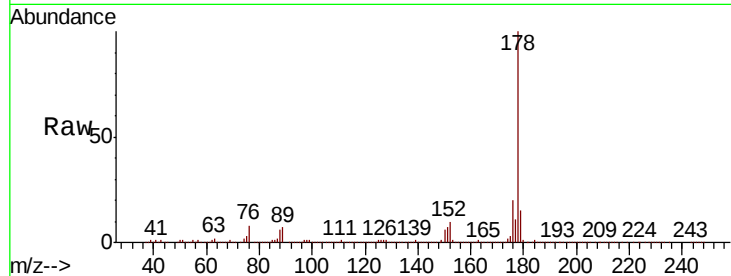
179 15.4 13.2 19.8

Manual Integrations

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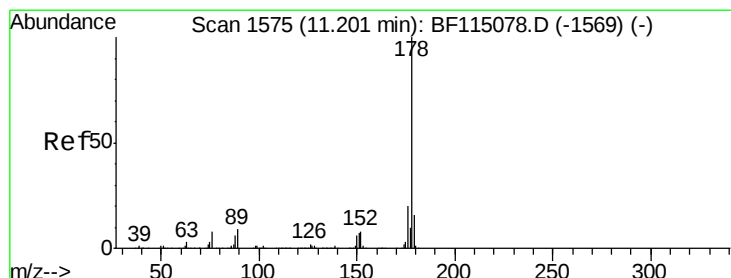
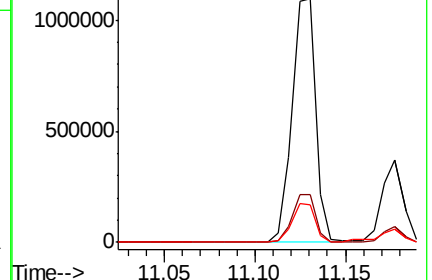
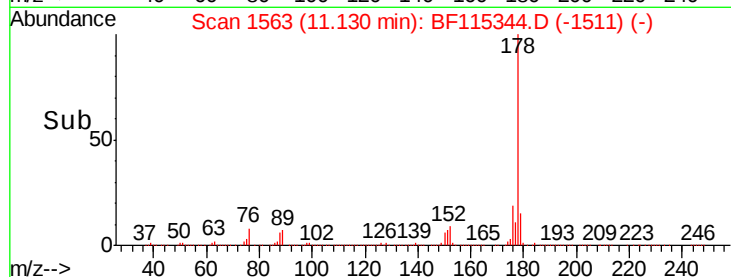
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 6.606 ng

RT: 11.18 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BF115344.D

Acq: 1 Jul 2019 17:53

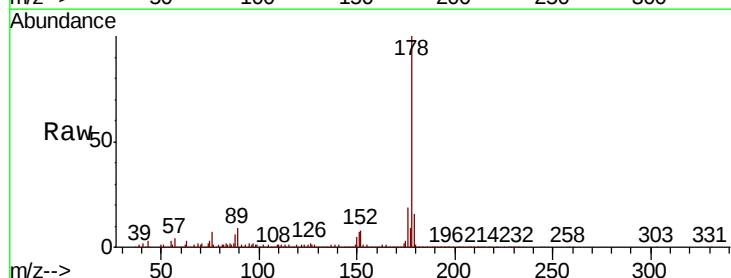
Tgt Ion:178 Resp: 296495

Ion Ratio Lower Upper

178 100

176 19.1 16.1 24.1

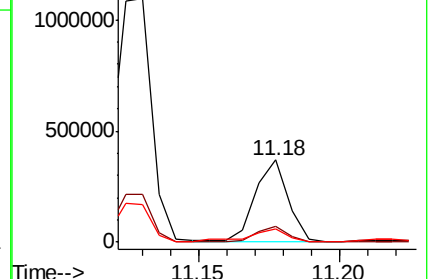
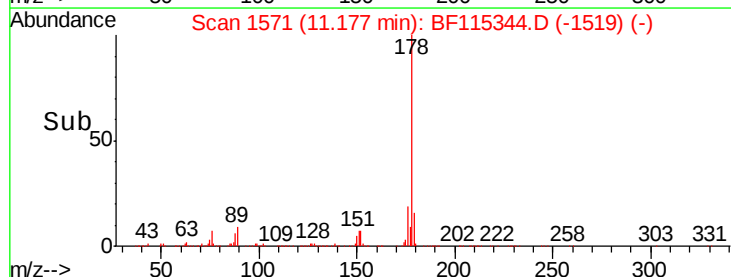
179 16.0 12.9 19.3

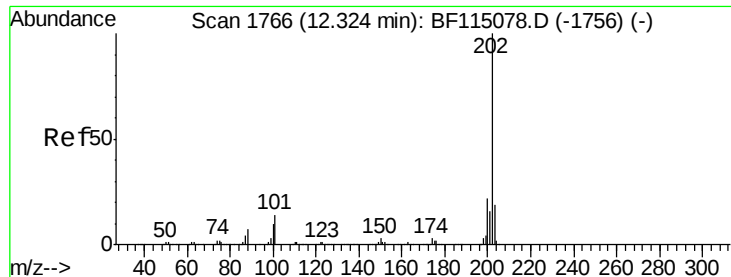


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 27.149 ng

RT: 12.31 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF115344.D

Acq: 1 Jul 2019 17:53

Instrument :

BNA_F

ClientSampleId :

EO-01-062819-B

Tot Ion:202 Resp: 1204463

Ion Ratio Lower Upper

202 100

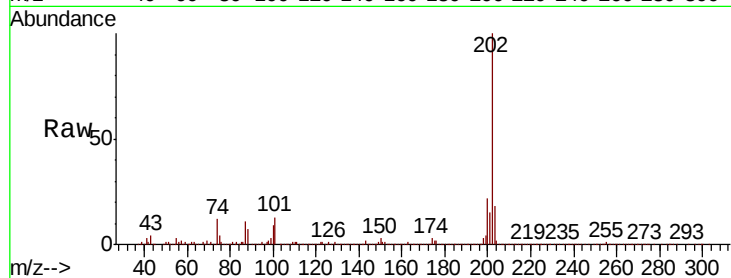
101 13.5 0.0 34.0

203 18.2 0.0 38.8

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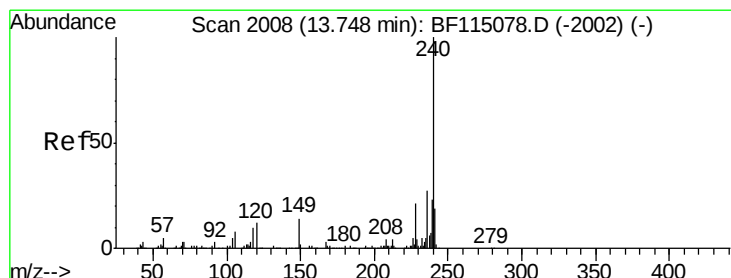
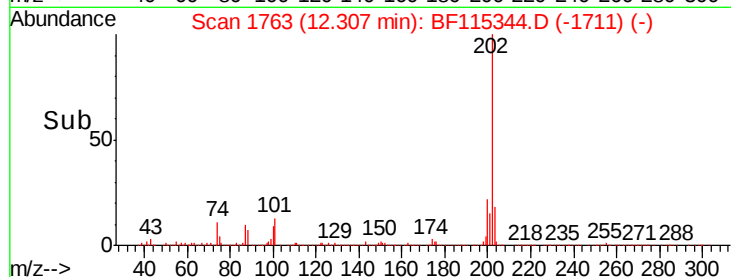
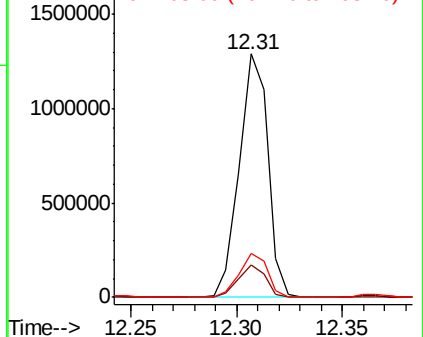


Abundance

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: 13.72 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BF115344.D

Acq: 1 Jul 2019 17:53

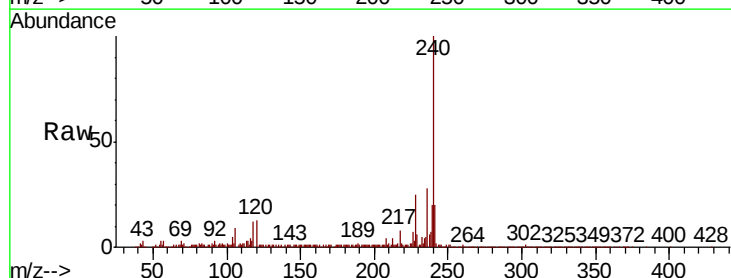
Tgt Ion:240 Resp: 551728

Ion Ratio Lower Upper

240 100

120 13.2 9.4 14.2

236 27.5 21.7 32.5

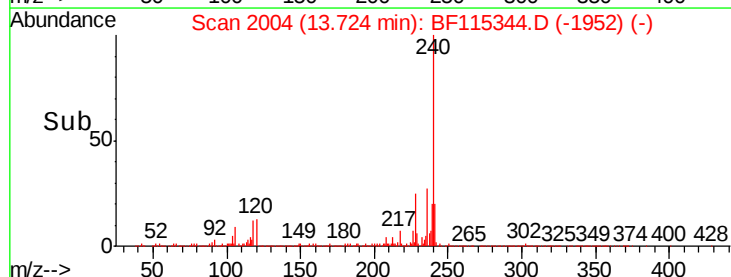
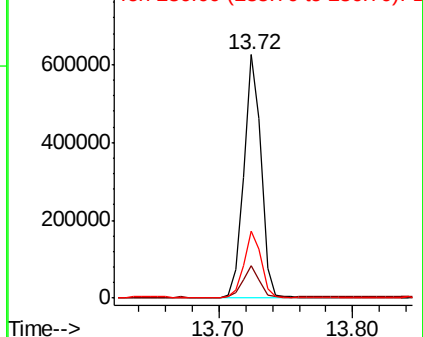


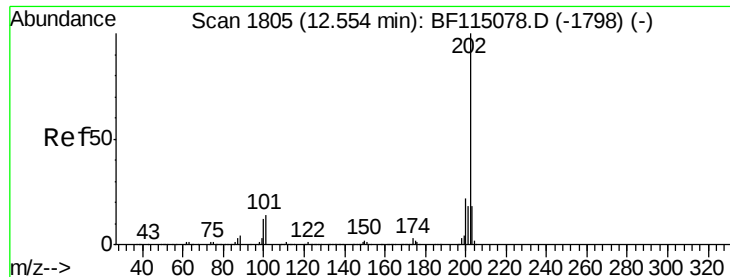
Abundance

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





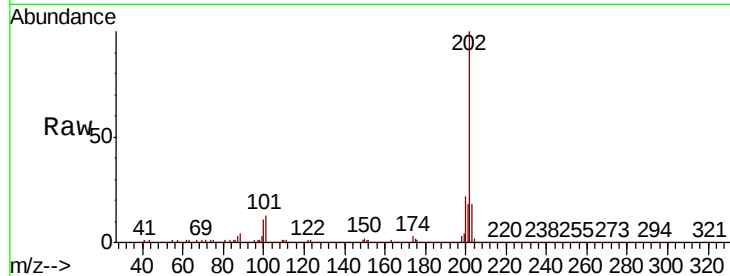
#78
Pvrene
Concen: 25.000 ng
RT: 12.54 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF115344.D
Acq: 1 Jul 2019 17:53

Instrument :
BNA_F
ClientSampleId :
EO-01-062819-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.9	26.9
203	18.4	14.6	21.8

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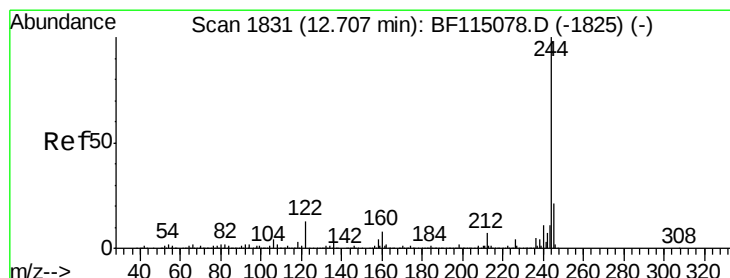
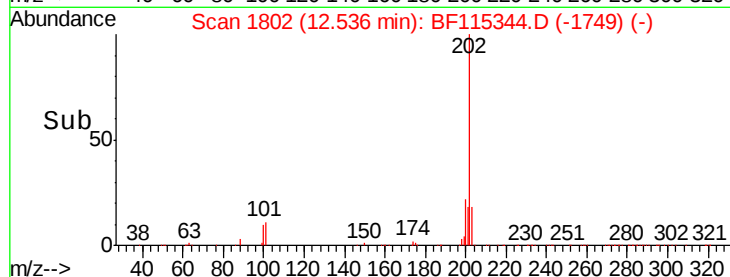
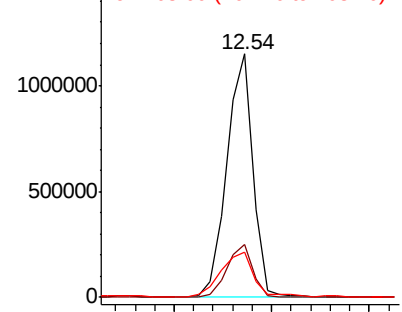


Abundance

Ion 202.00 (201.70 to 202.70): E

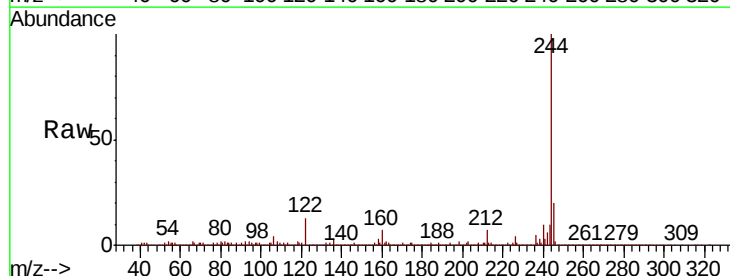
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 42.462 ng
RT: 12.68 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF115344.D
Acq: 1 Jul 2019 17:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	12.7	10.4	15.6

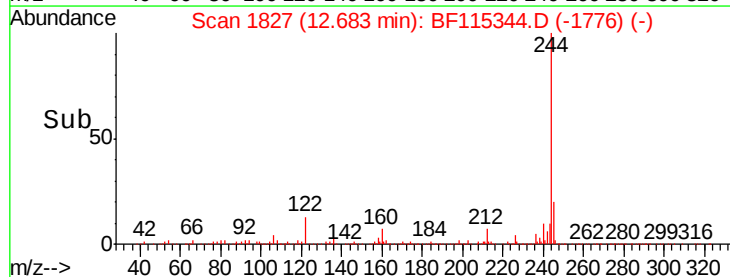
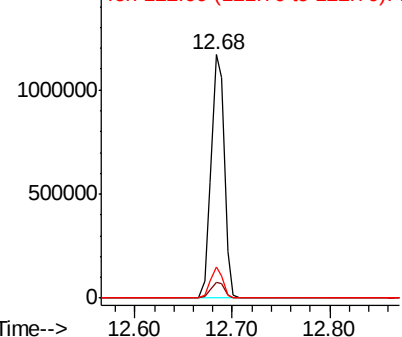


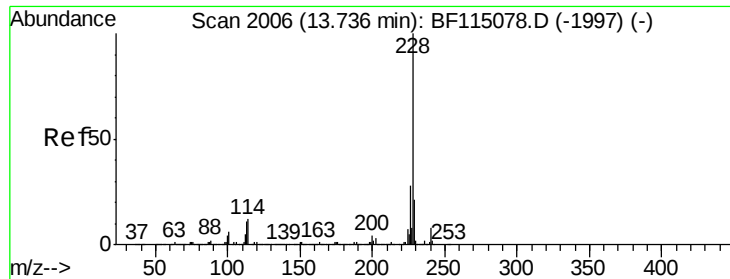
Abundance

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: 12.227 ng

RT: 13.71 min Scan# 2002

Delta R.T. 0.01 min

Lab File: BF115344.D

Acq: 1 Jul 2019 17:53

Instrument :

BNA_F

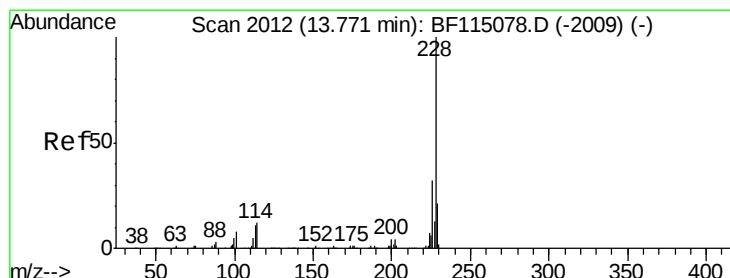
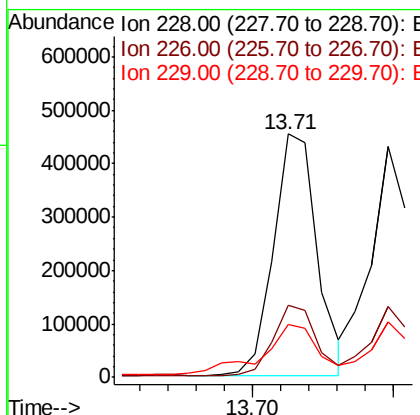
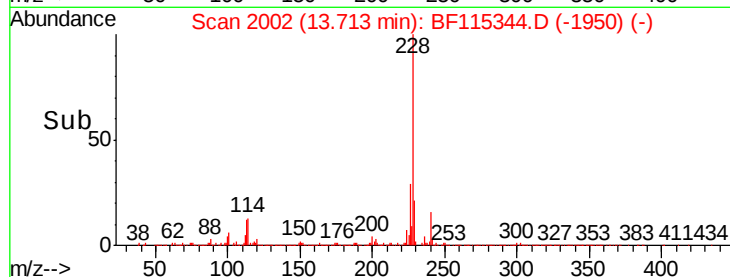
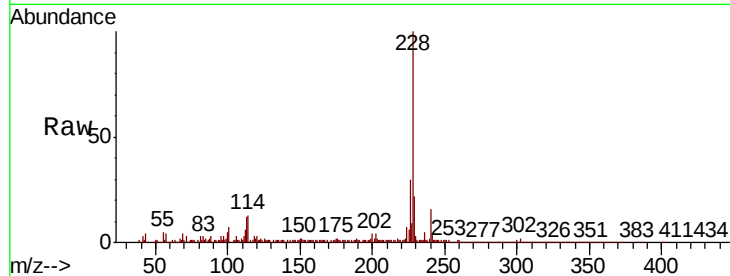
ClientSampleId :

EO-01-062819-B

Tot Ion:	228	Resp:	484033
Ion Ratio	Lower	Upper	
228	100		
226	29.8	22.5	33.7
229	21.6	16.6	24.8

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#83

Chrysene

Concen: 11.094 ng

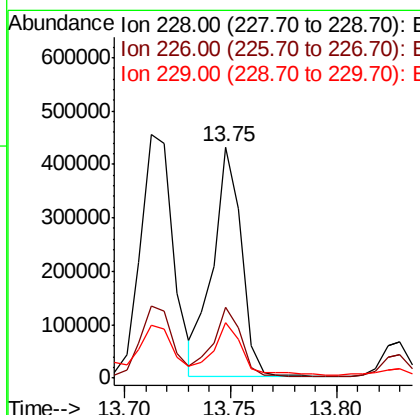
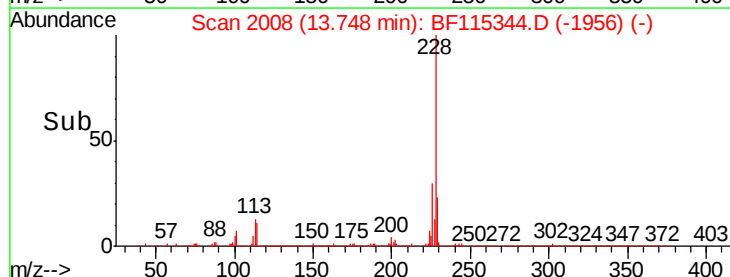
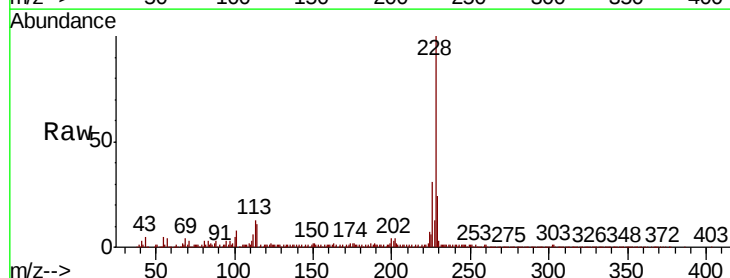
RT: 13.75 min Scan# 2008

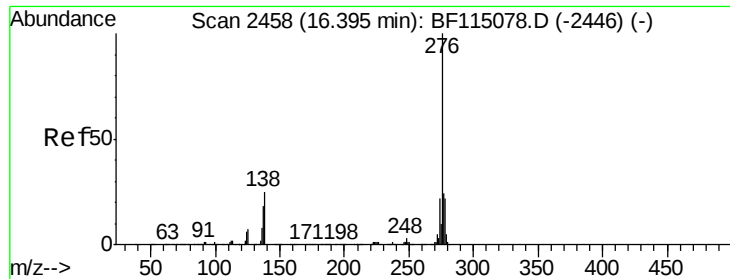
Delta R.T. 0.01 min

Lab File: BF115344.D

Acq: 1 Jul 2019 17:53

Tgt Ion:	228	Resp:	402309
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.4	38.0
229	23.7	16.5	24.7





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.030 ng

RT: 16.36 min Scan# 2452

Delta R.T. 0.01 min

Lab File: BF115344.D

Acq: 1 Jul 2019 17:53

Instrument :

BNA_F

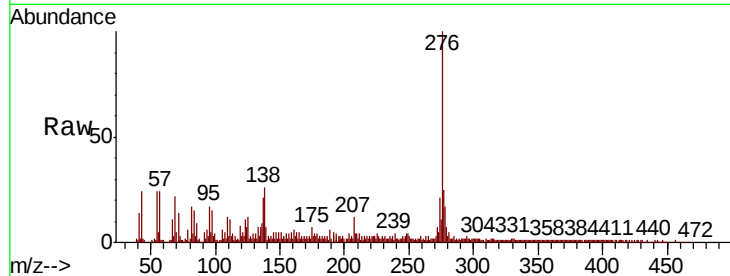
ClientSampleId :

EO-01-062819-B

Tot Ion:	276	Resp:	172910
Ion Ratio	Lower	Upper	
276	100		
138	24.3	23.2	34.8
277	23.7	20.1	30.1

Manual Integrations
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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

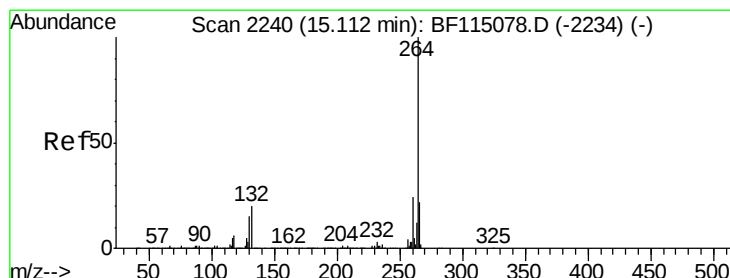
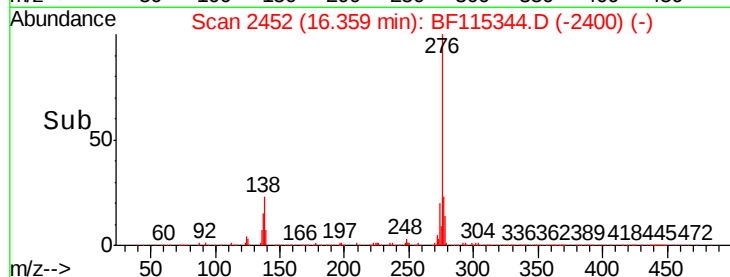
16.36

100000

50000

0

Time-->



#87

Perylene-d12

Concen: 20.000 ng

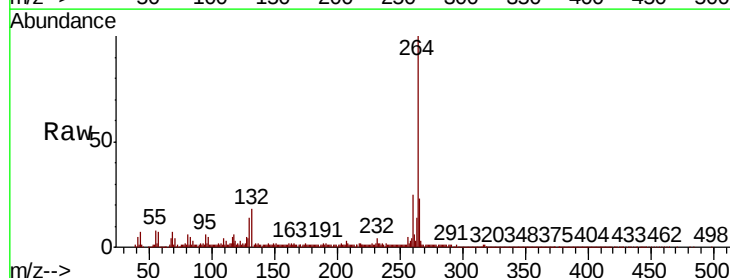
RT: 15.09 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF115344.D

Acq: 1 Jul 2019 17:53

Tgt Ion:	264	Resp:	449824
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.6	29.4
265	22.9	17.3	25.9



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

15.09

500000

400000

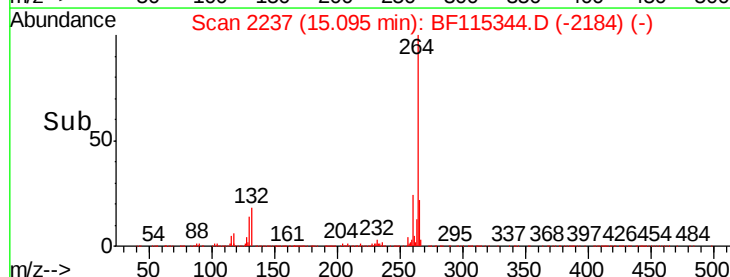
300000

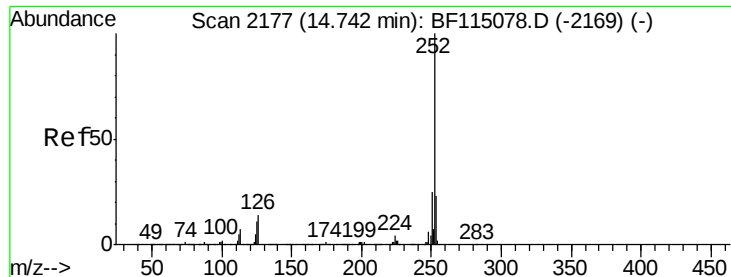
200000

100000

0

Time-->





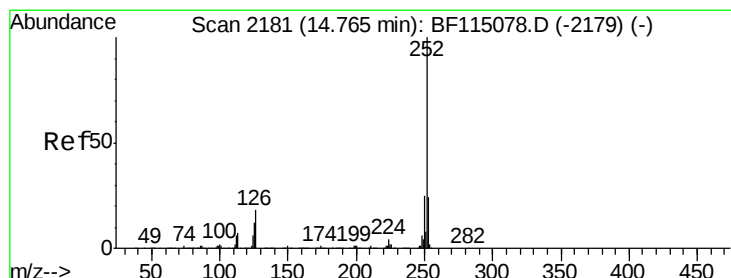
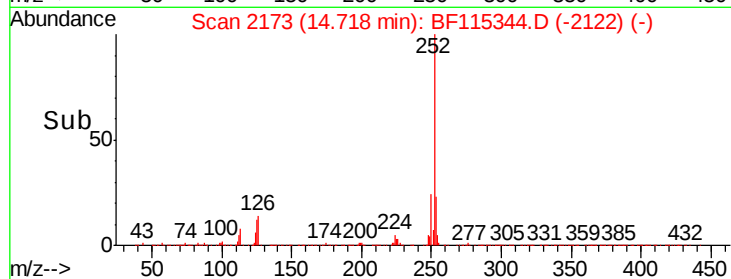
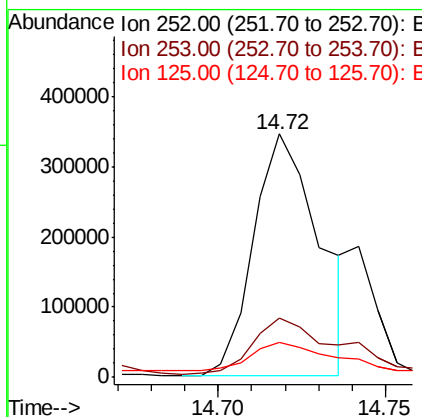
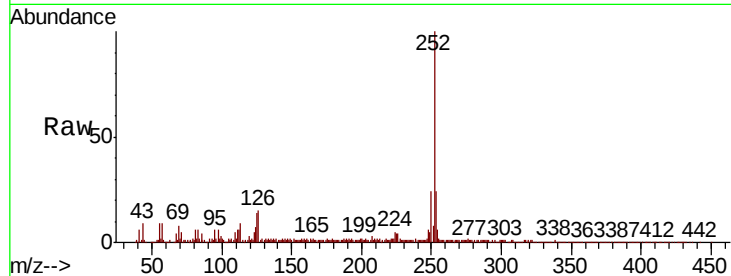
#88
Benzo(b)fluoranthene
Concen: 16.965 ng m
RT: 14.72 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BF115344.D
Acq: 1 Jul 2019 17:53

Instrument :
BNA_F
ClientSampleId :
EO-01-062819-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	14.5	8.7	13.1

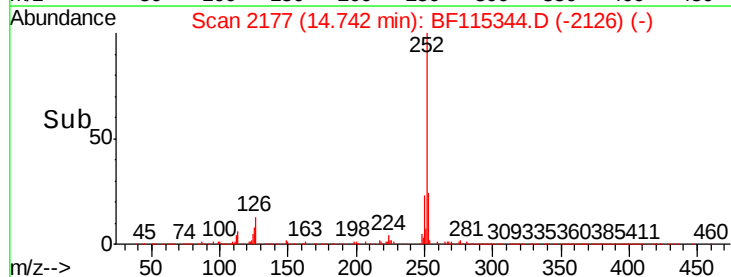
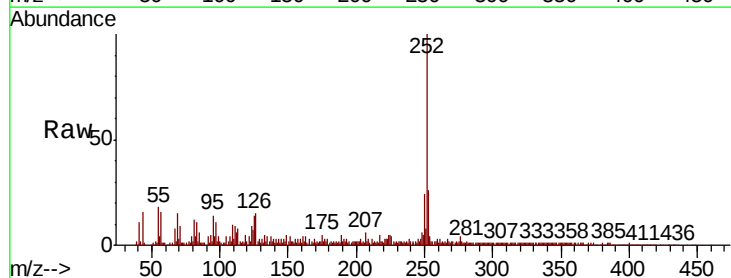
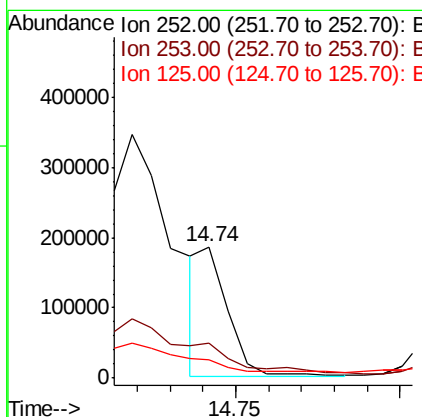
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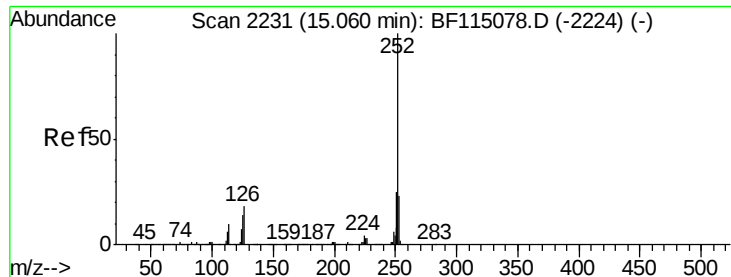
mohammad
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#89
Benzo(k)fluoranthene
Concen: 4.425 ng m
RT: 14.74 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BF115344.D
Acq: 1 Jul 2019 17:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.9	28.3
125	13.8	10.2	15.2





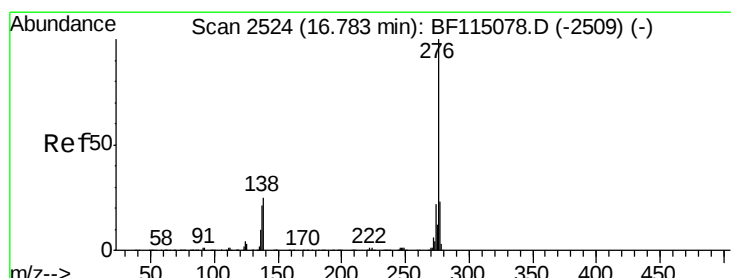
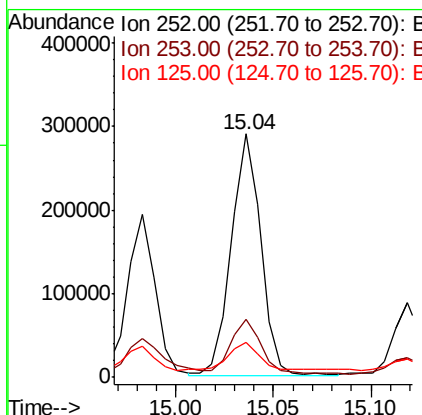
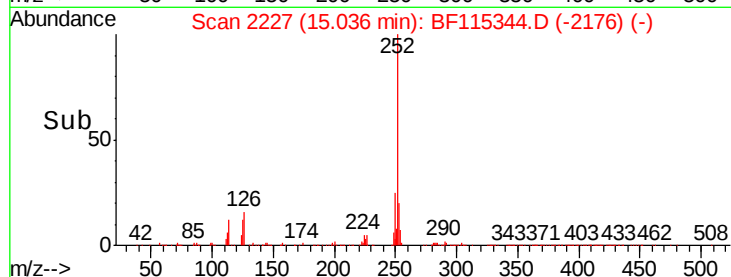
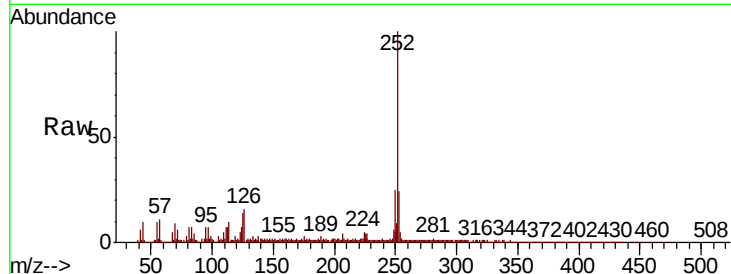
#90
Benzo(a)pyrene
Concen: 11.960 ng
RT: 15.04 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF115344.D
Acq: 1 Jul 2019 17:53

Instrument :
BNA_F
ClientSampleId :
EO-01-062819-B

Tot Ion:	252	Resp:	302550
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.3	27.5
125	14.5	10.9	16.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.537 ng
RT: 16.74 min Scan# 2517
Delta R.T. 0.01 min
Lab File: BF115344.D
Acq: 1 Jul 2019 17:53

Tgt Ion:	276	Resp:	156261
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.6	28.0
138	25.2	19.8	29.6

