

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020519\
 Data File : BF112412.D
 Acq On : 5 Feb 2019 22:44
 Operator : JU/SJ
 Sample : K1350-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-020419-A

Manual Integrations
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mohammad
 2/6/2019 9:16:32 AM

Quant Time: Feb 06 00:57:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	161836	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	599688	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	250540	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	389299	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	306629	20.00	ng	-0.01
87) Perylene-d12	15.47	264	231813	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	446998	58.67	ng	-0.02
7) Phenol-d6	6.47	99	556443	52.56	ng	-0.02
23) Nitrobenzene-d5	7.39	82	321685	30.91	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	117300	40.22	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	647900	36.57	ng	-0.02
79) Terphenyl-d14	12.94	244	475706	29.22	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.58	163	39524	2.030	ng	Qvalue # 98
71) Phenanthrene	11.38	178	123027	6.079	ng	96
75) Fluoranthene	12.57	202	236126	10.878	ng	97
78) Pyrene	12.80	202	212584	10.014	ng	97
81) Benzo(a)anthracene	13.99	228	114788	6.368	ng	96
83) Chrysene	14.03	228	99969	5.810	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	47663	3.496	ng	94
88) Benzo(b)fluoranthene	15.04	252	121855m	8.790	ng	
89) Benzo(k)fluoranthene	15.07	252	49724m	3.744	ng	
90) Benzo(a)pyrene	15.41	252	83542	6.697	ng	96
92) Benzo(g,h,i)perylene	17.40	276	42488	4.479	ng	95

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

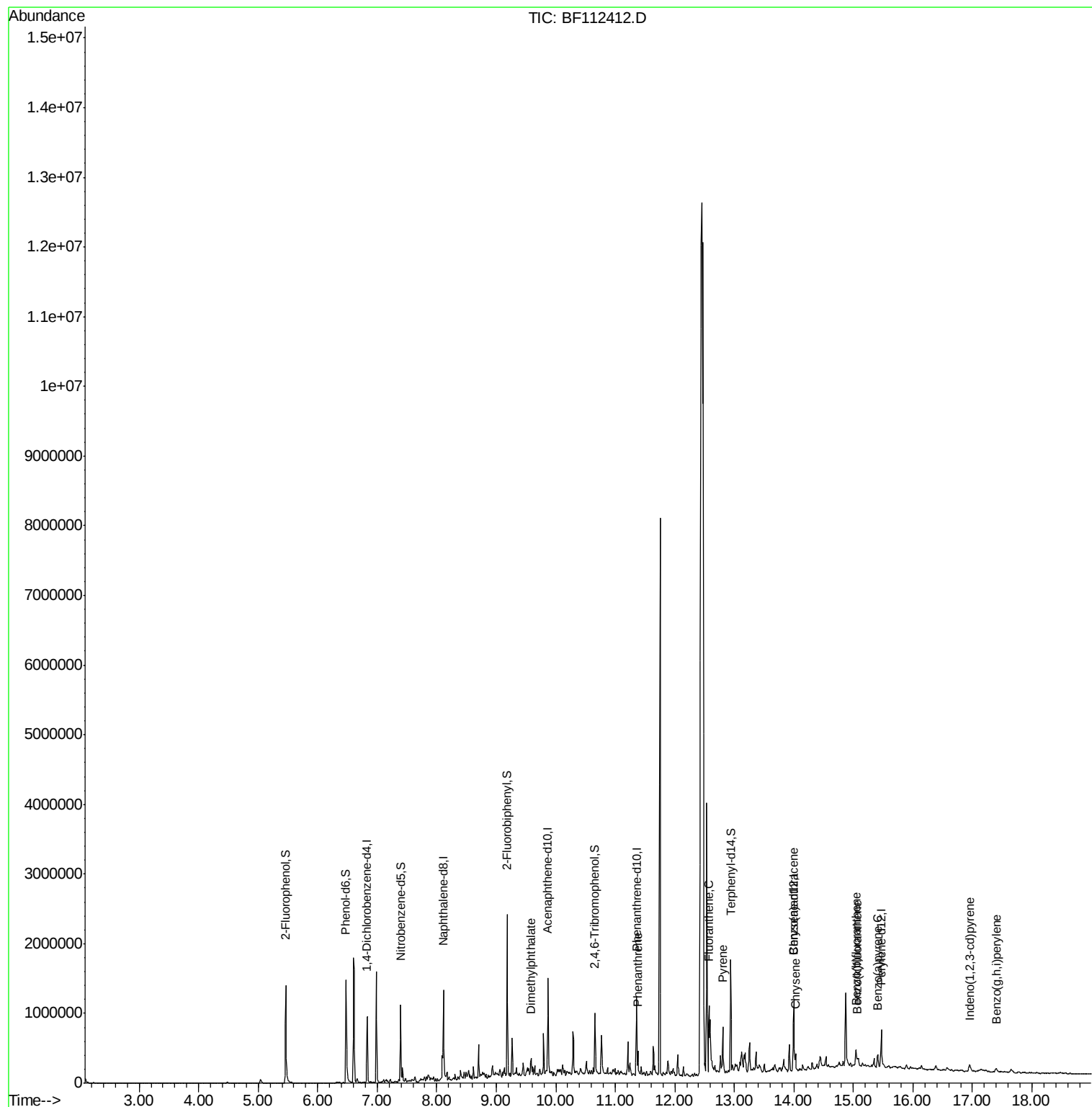
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020519\
Data File : BF112412.D
Acq On : 5 Feb 2019 22:44
Operator : JU/SJ
Sample : K1350-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

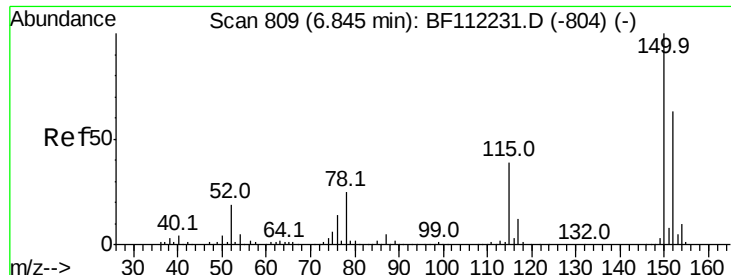
Instrument :
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EO-03-020419-A

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
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#1

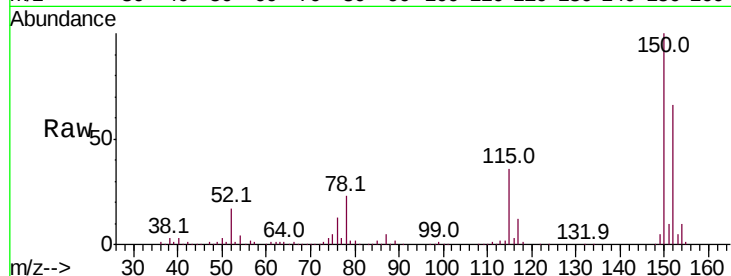
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Instrument :
BNA_F
ClientSampleId :
EO-03-020419-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.8	127.4	191.0
115	54.7	45.5	68.3

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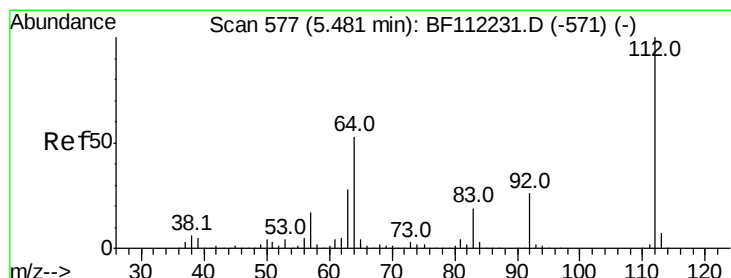
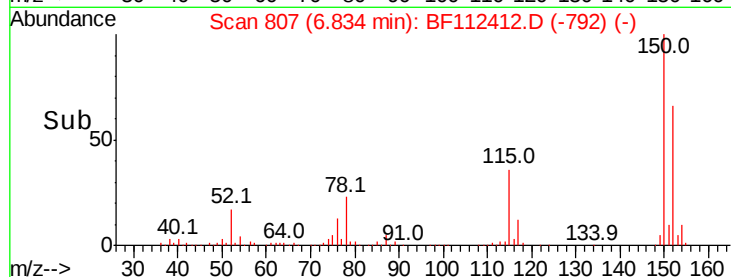
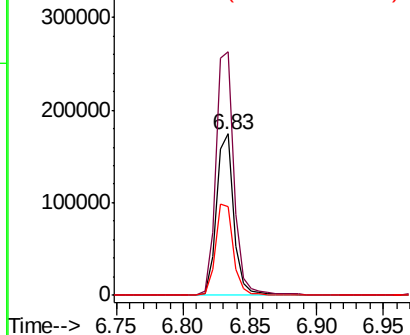


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

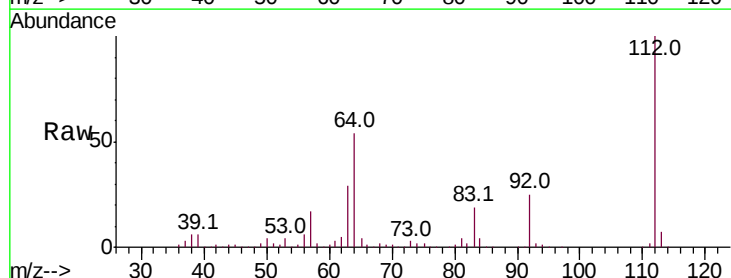
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 58.668 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	45.7	68.5
63	29.2	23.6	35.4

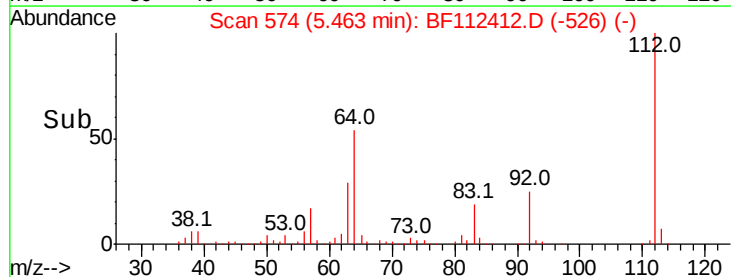
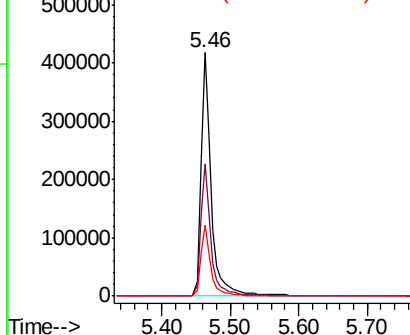


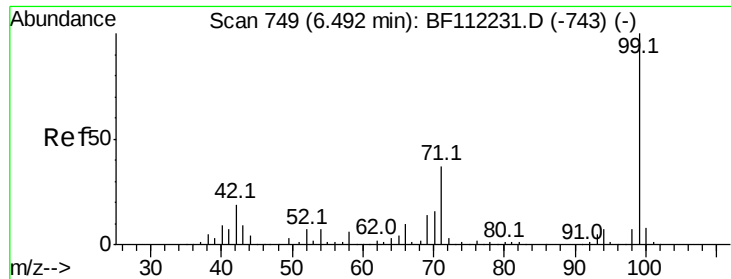
Abundance

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: 52.558 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112412.D

Acq: 5 Feb 2019 22:44

Instrument :

BNA_F

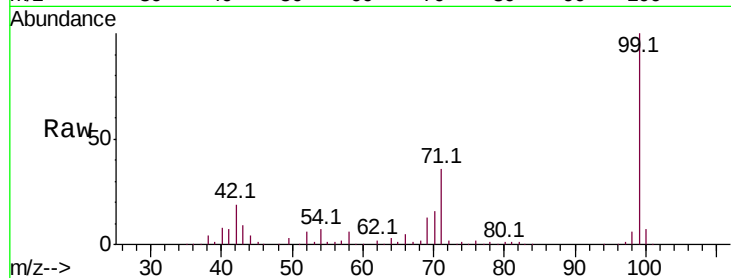
ClientSampleId :

EO-03-020419-A

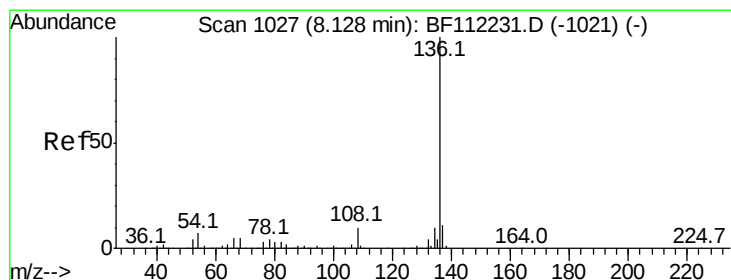
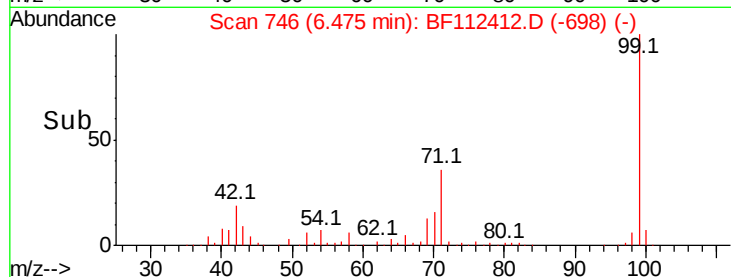
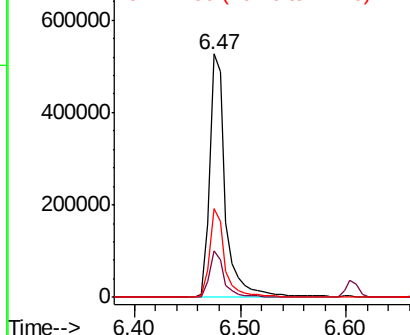
Tot Ion:	99	Resp:	556443
Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.1	22.7
71	36.2	26.9	40.3

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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: 8.12 min Scan# 1025

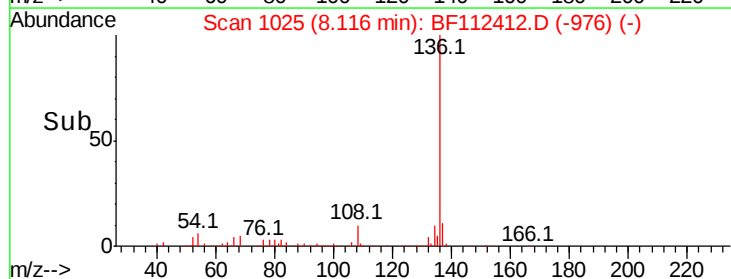
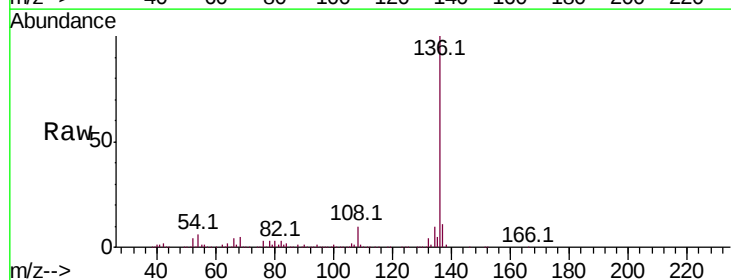
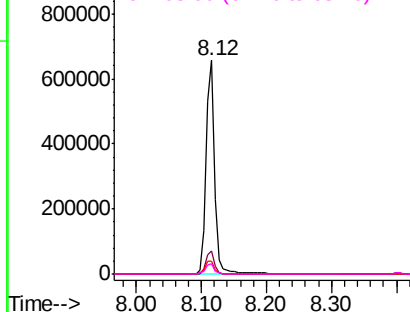
Delta R.T. -0.01 min

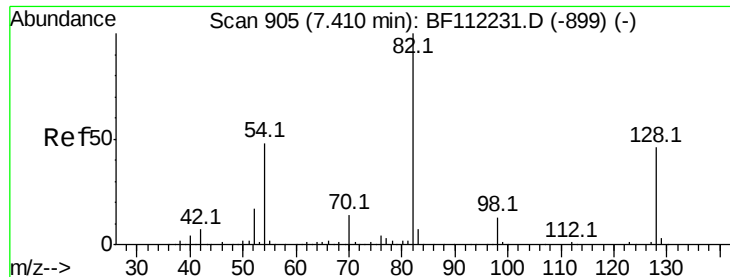
Lab File: BF112412.D

Acq: 5 Feb 2019 22:44

Tgt Ion:	136	Resp:	599688
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.2	5.9	8.9
68	4.8	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





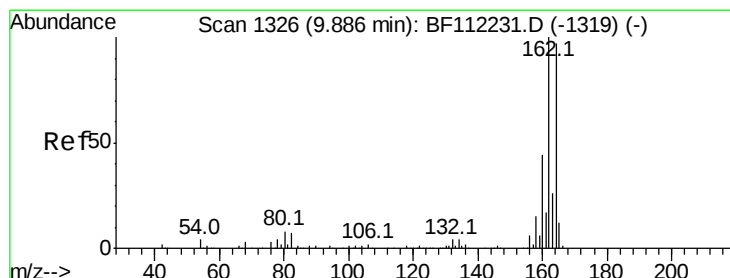
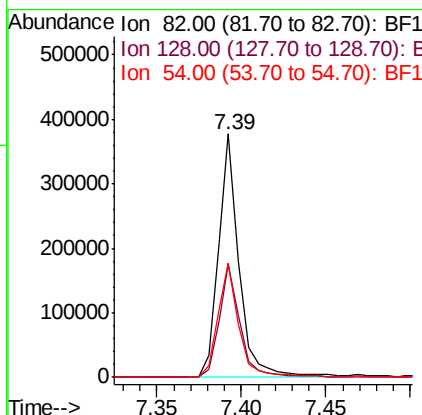
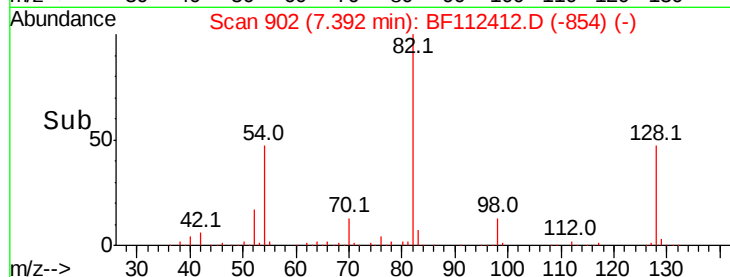
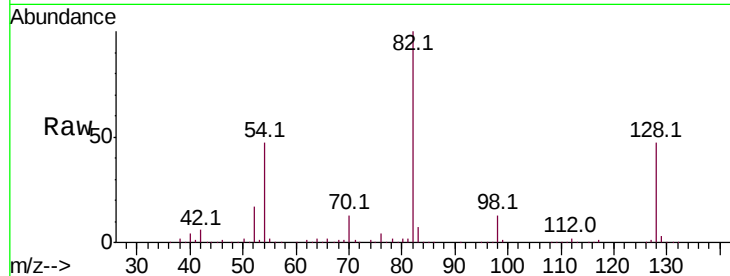
#23
Nitrobenzene-d5
Concen: 30.908 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Instrument :
BNA_F
ClientSampleId :
EO-03-020419-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	37.8	56.8
54	47.0	39.7	59.5

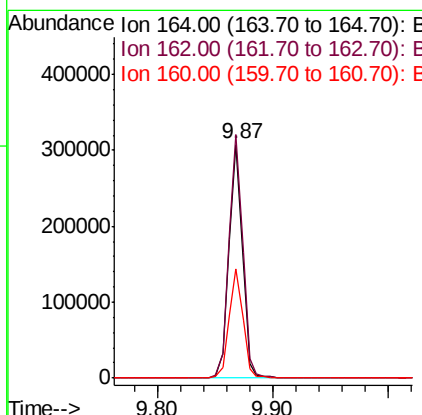
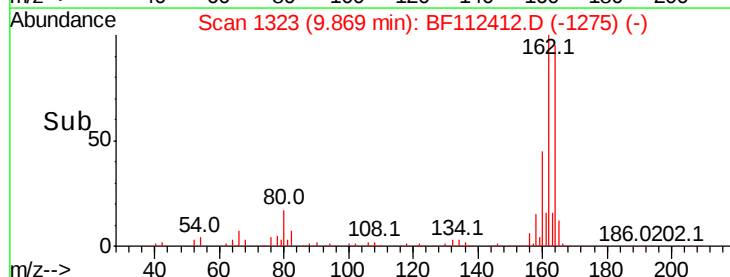
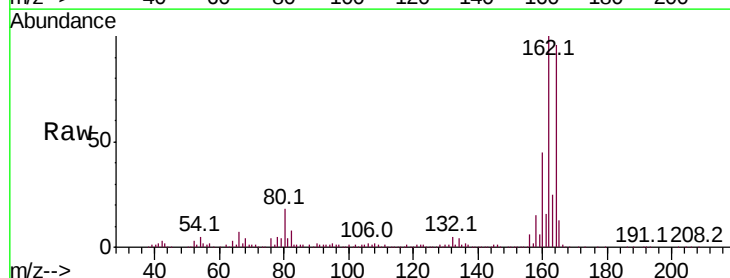
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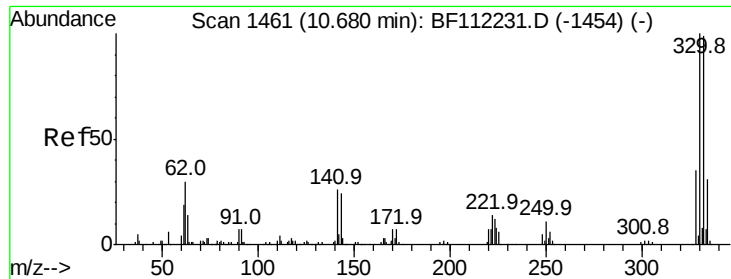
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.2	123.4
160	46.5	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 40.223 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112412.D

Acq: 5 Feb 2019 22:44

Instrument :

BNA_F

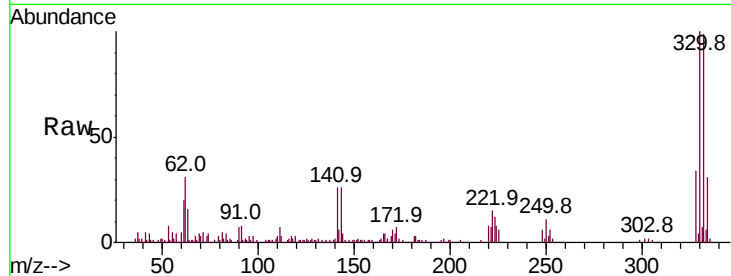
ClientSampleId :

EO-03-020419-A

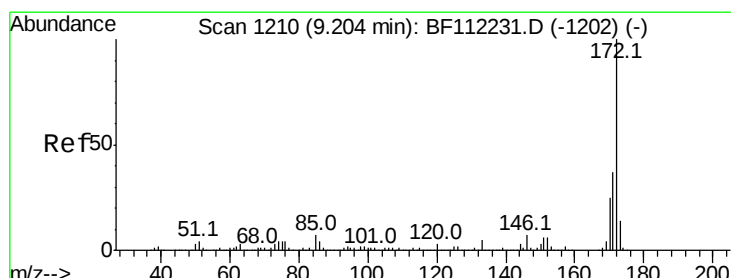
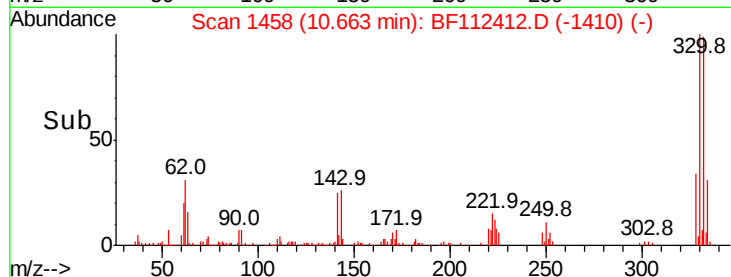
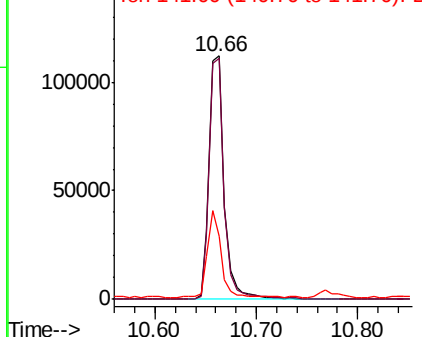
Tot Ion:	330	Resp:	117300
Ion Ratio	Lower	Upper	
330	100		
332	97.7	76.6	114.8
141	33.4	24.3	36.5

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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: 36.575 ng

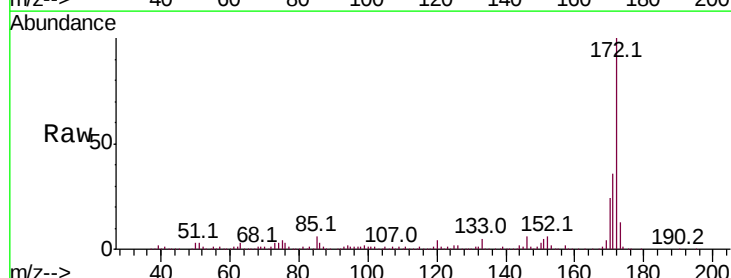
RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

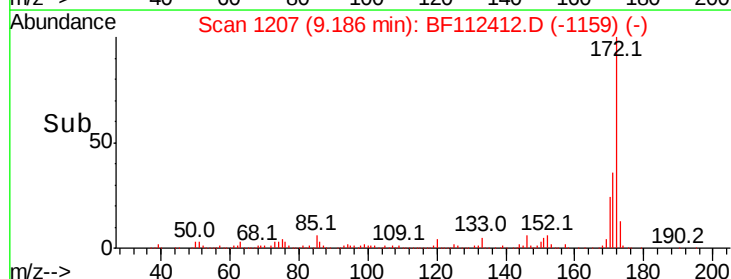
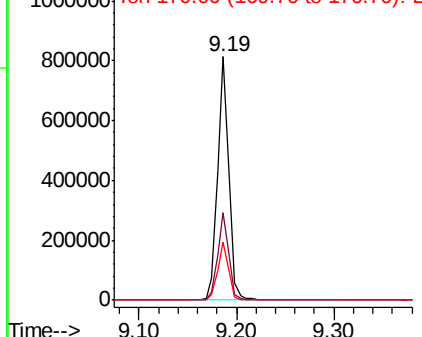
Lab File: BF112412.D

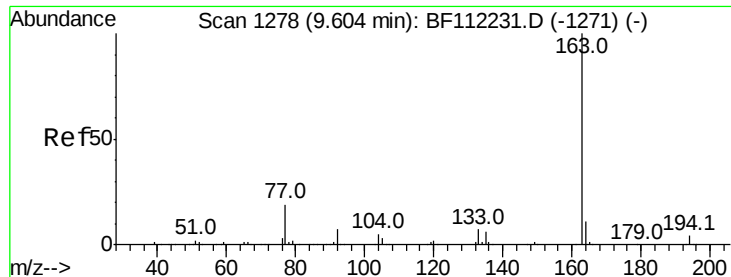
Acq: 5 Feb 2019 22:44

Tgt Ion:	172	Resp:	647900
Ion Ratio	Lower	Upper	
172	100		
171	36.1	30.5	45.7
170	23.7	20.2	30.4



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





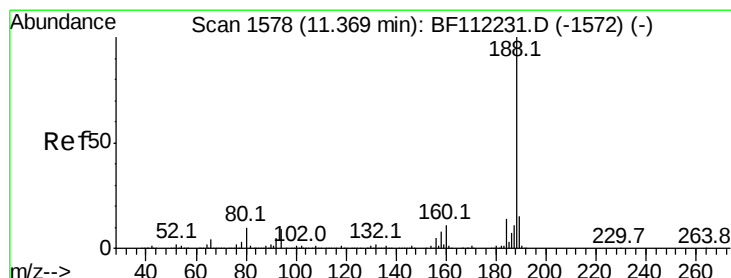
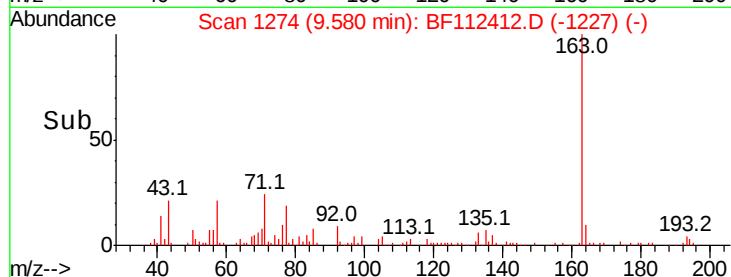
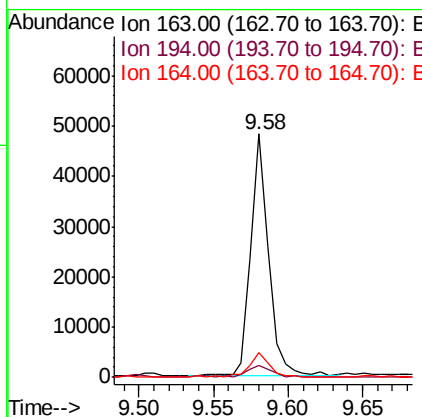
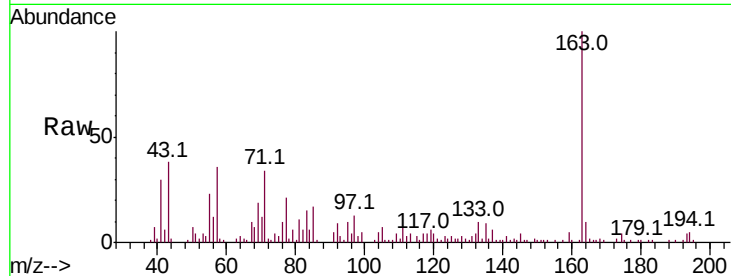
#50
Dimethylphthalate
Concen: 2.030 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Instrument :
BNA_F
ClientSampleId :
EO-03-020419-A

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.3	4.9#
164	9.9	8.5	12.7

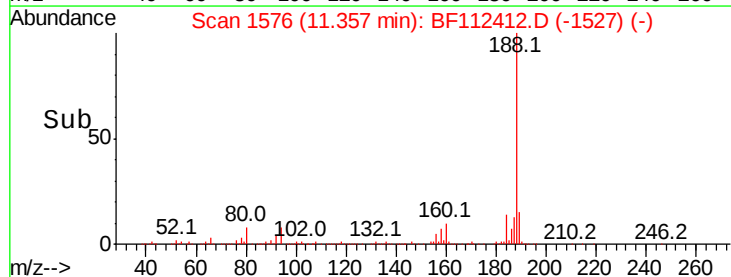
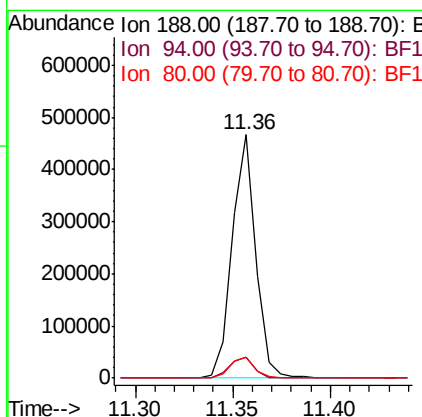
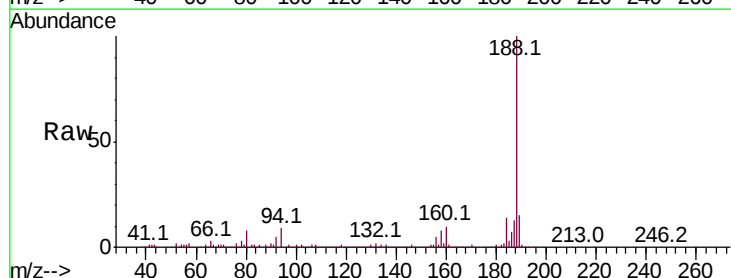
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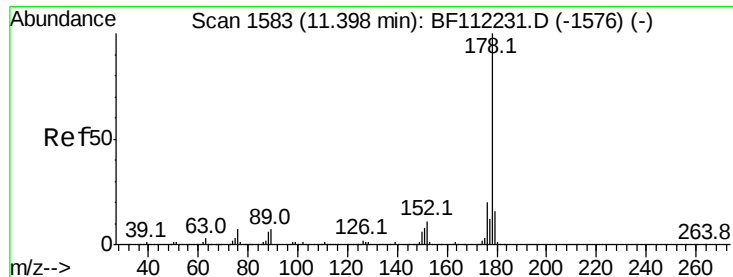
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.2	12.2
80	8.5	8.9	13.3#





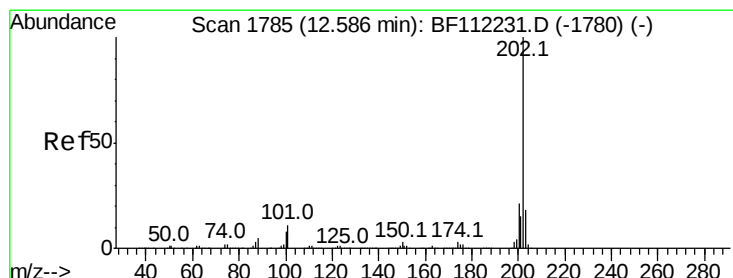
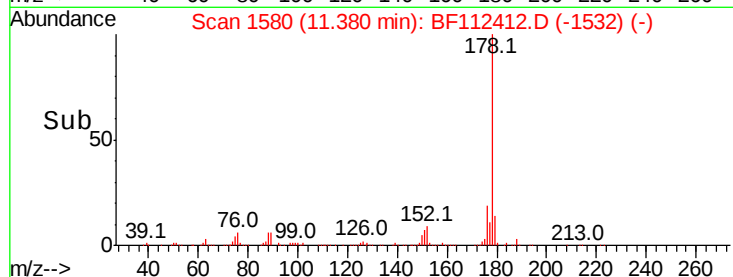
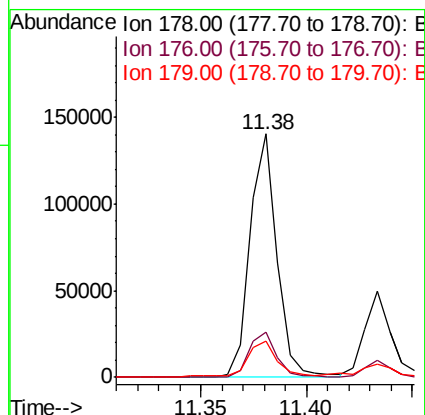
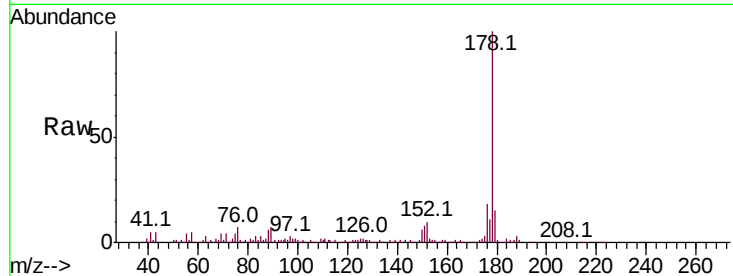
#71
Phenanthrene
Concen: 6.079 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Instrument :
BNA_F
ClientSampleId :
EO-03-020419-A

Tot Ion:178	Resp:	123027
Ion Ratio	Lower	Upper
178 100		
176 18.5	16.3	24.5
179 14.7	13.0	19.4

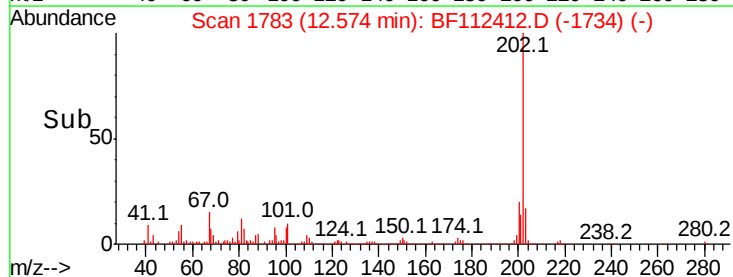
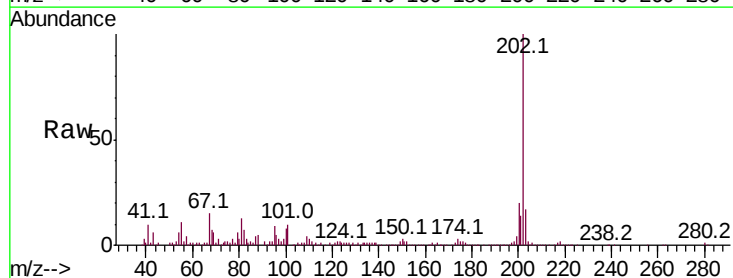
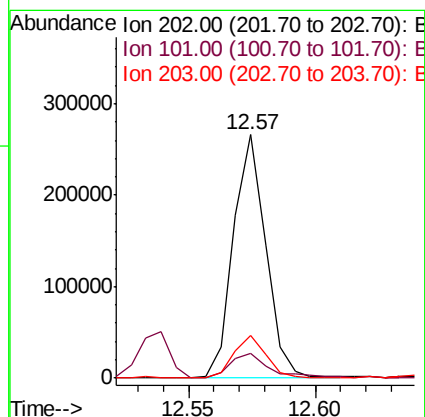
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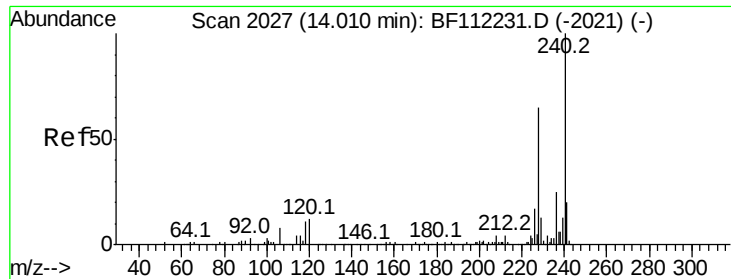
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#75
Fluoranthene
Concen: 10.878 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Tgt Ion:202	Resp:	236126
Ion Ratio	Lower	Upper
202 100		
101 10.1	0.0	31.8
203 17.4	0.0	38.4





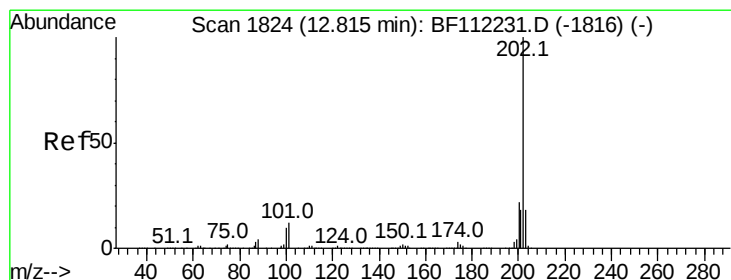
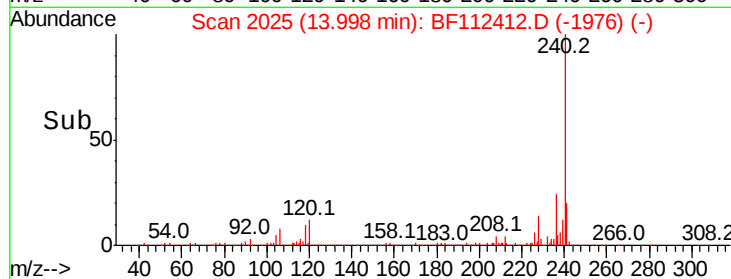
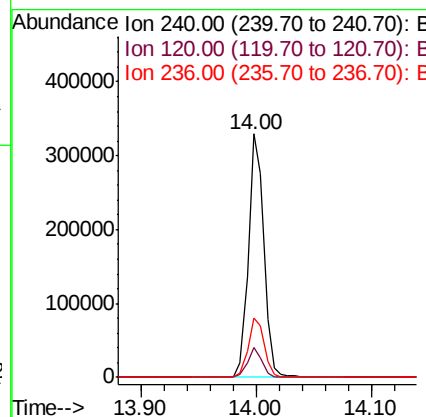
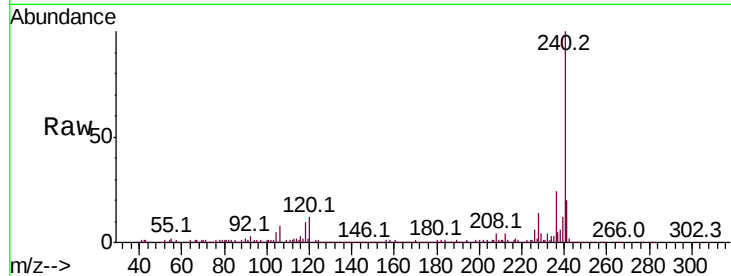
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Instrument :
BNA_F
ClientSampleId :
EO-03-020419-A

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.2	9.0	13.6	
236	24.2	20.7	31.1	

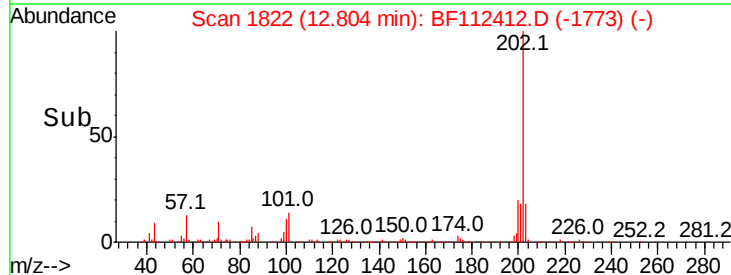
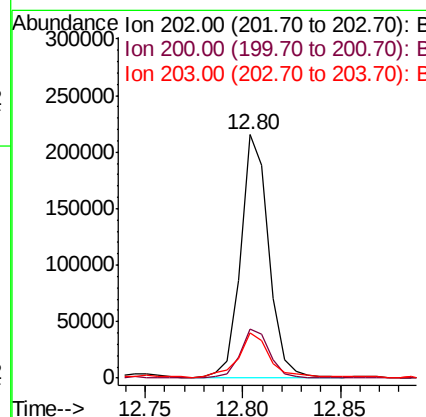
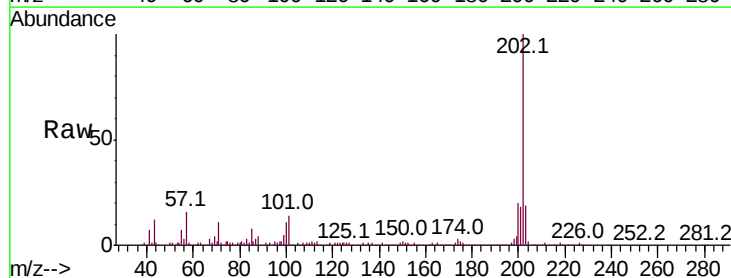
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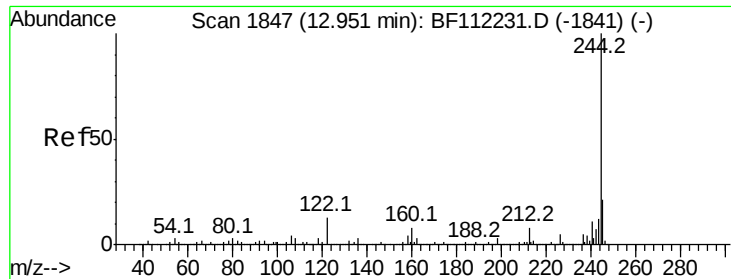
mohammad
2/6/2019 9:16:32 AM



#78
Pyrene
Concen: 10.014 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.1	17.7	26.5	
203	18.6	14.6	22.0	





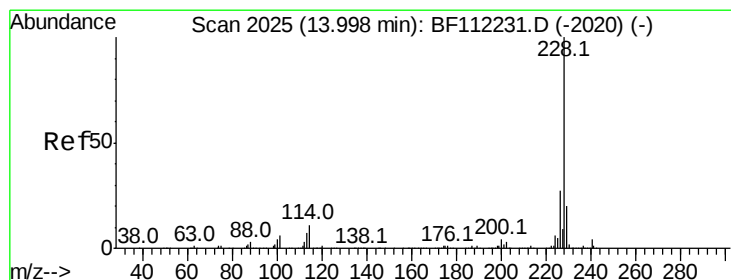
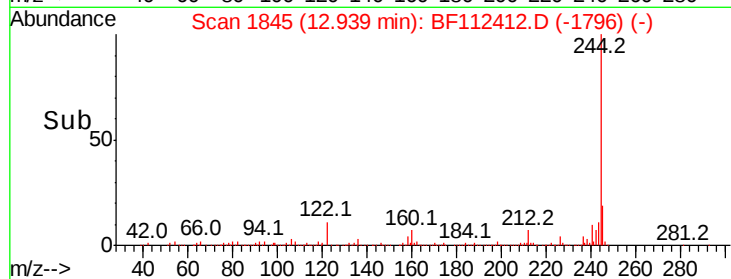
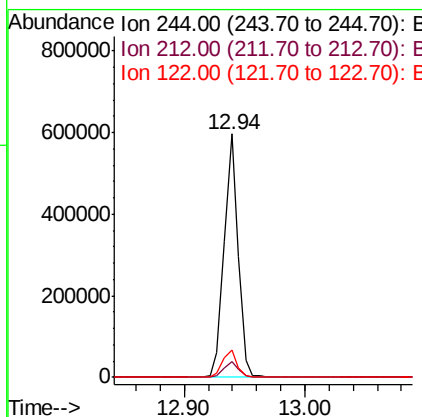
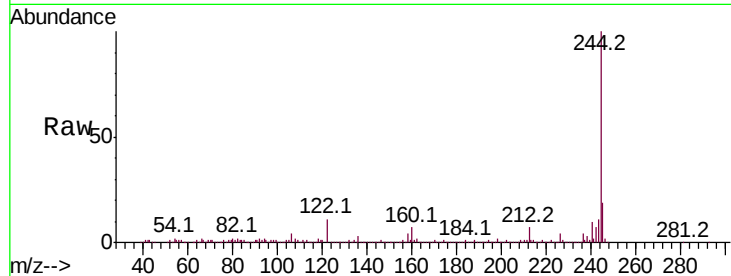
#79
 Terphenyl-d14
 Concen: 29.220 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112412.D
 Acq: 5 Feb 2019 22:44

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-020419-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.9	8.9
122	11.0	9.8	14.6

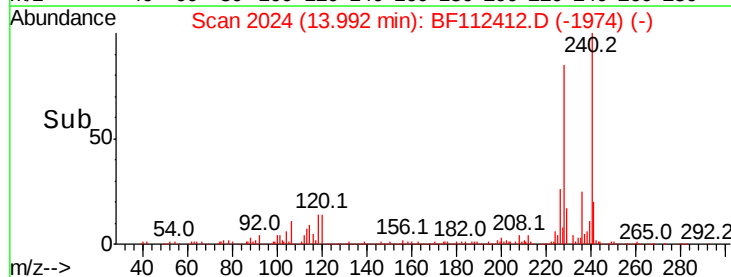
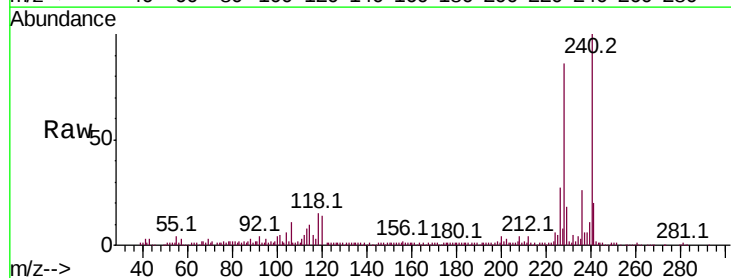
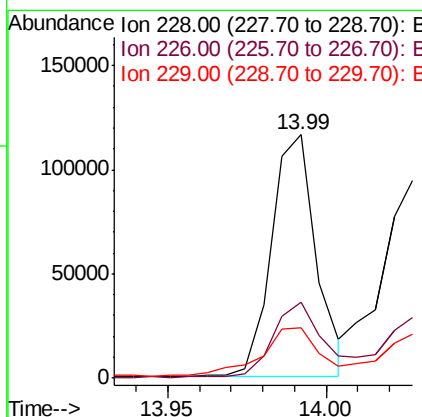
Manual Integrations
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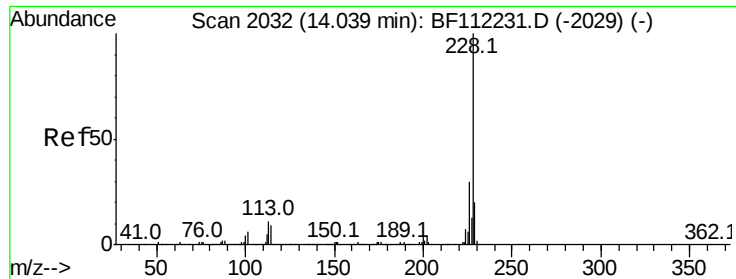
mohammad
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#81
 Benzo(a)anthracene
 Concen: 6.368 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF112412.D
 Acq: 5 Feb 2019 22:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	34.0
229	20.8	16.5	24.7





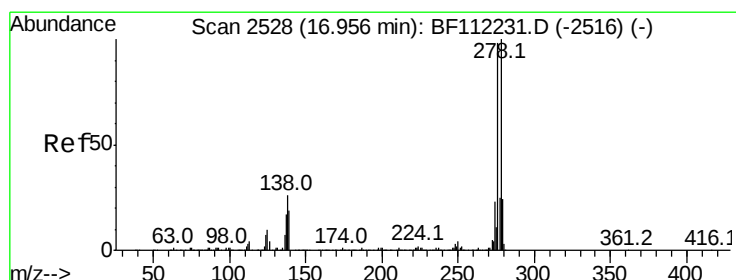
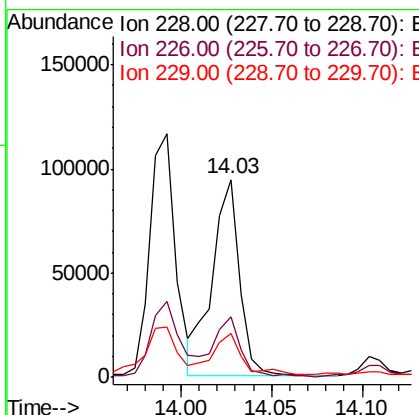
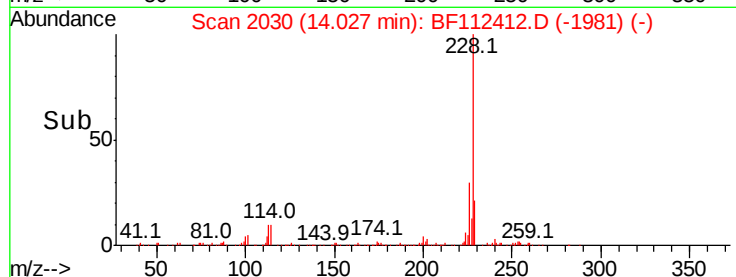
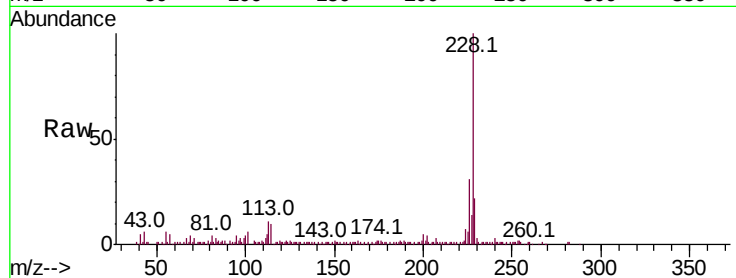
#83
Chrysene
Concen: 5.810 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Instrument :
BNA_F
ClientSampleId :
EO-03-020419-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	22.3	16.6	24.8

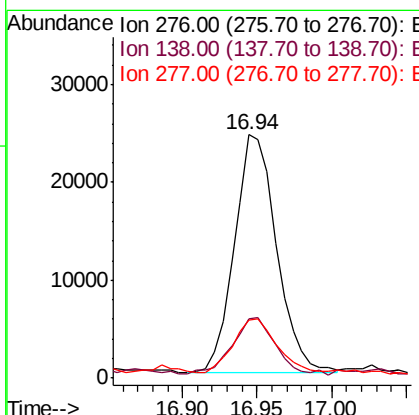
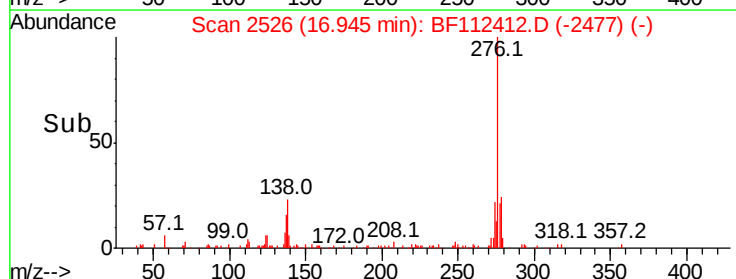
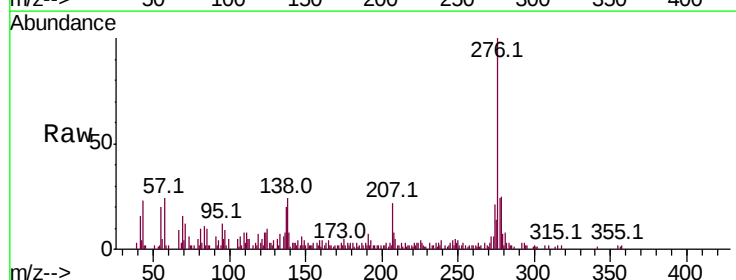
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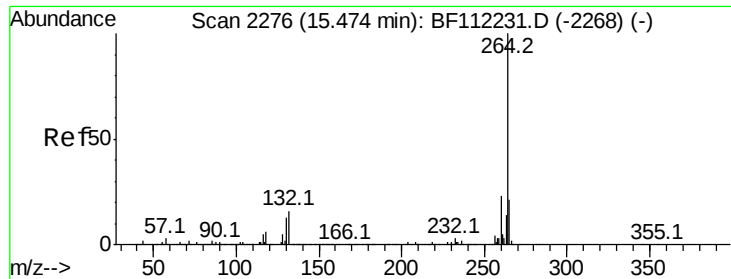
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.496 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.6	22.6	34.0
277	24.1	20.3	30.5





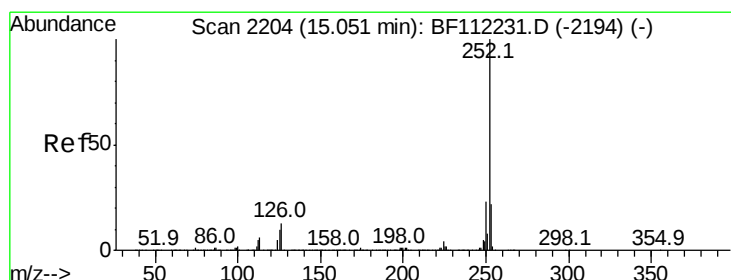
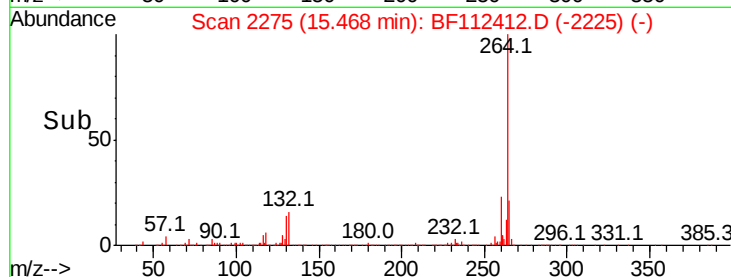
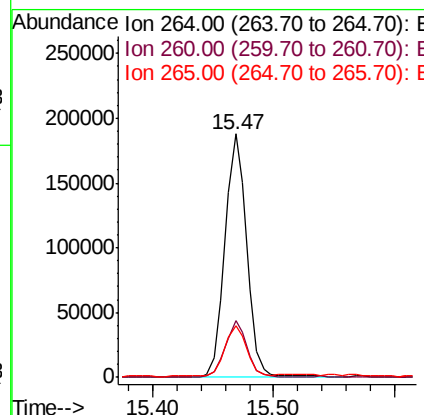
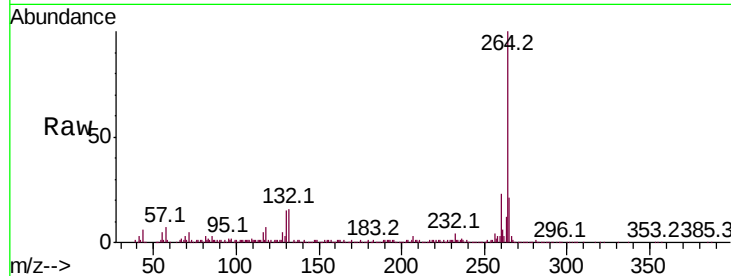
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Instrument :
BNA_F
ClientSampleId :
EO-03-020419-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.2
265	21.4	17.0	25.4

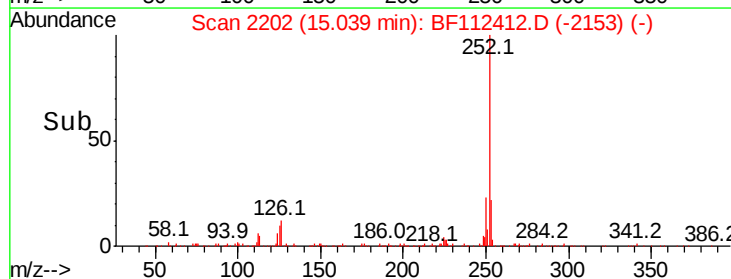
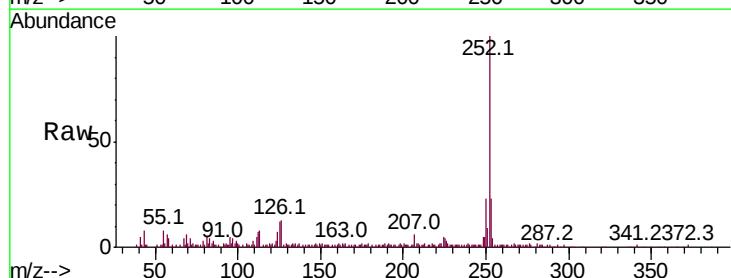
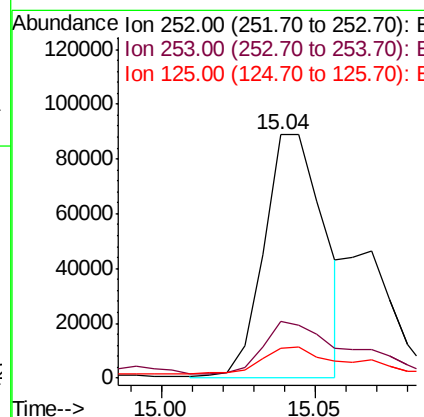
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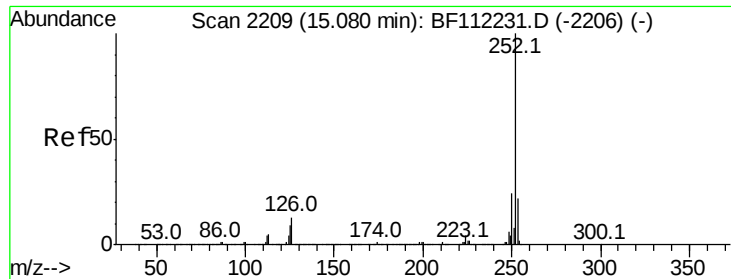
mohammad
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#88
Benzo(b)fluoranthene
Concen: 8.790 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	12.4	8.7	13.1





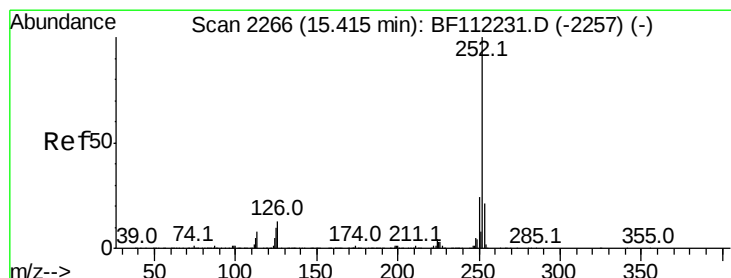
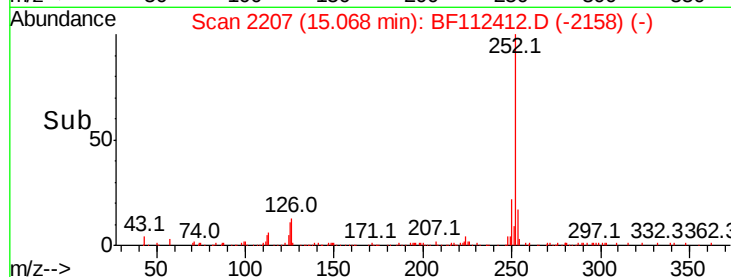
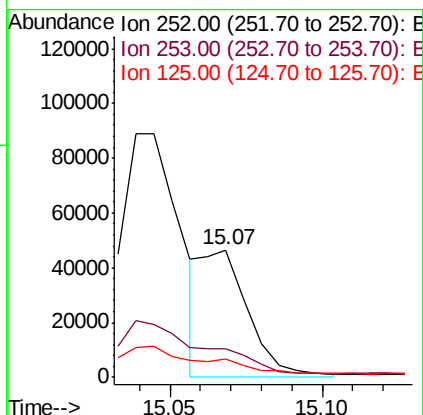
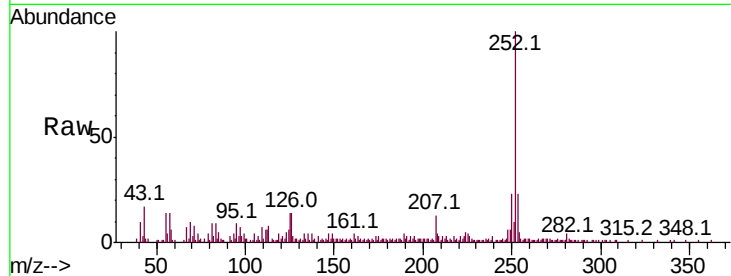
#89
Benzo(k)fluoranthene
Concen: 3.744 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Instrument :
BNA_F
ClientSampleId :
EO-03-020419-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	14.2	9.1	13.7

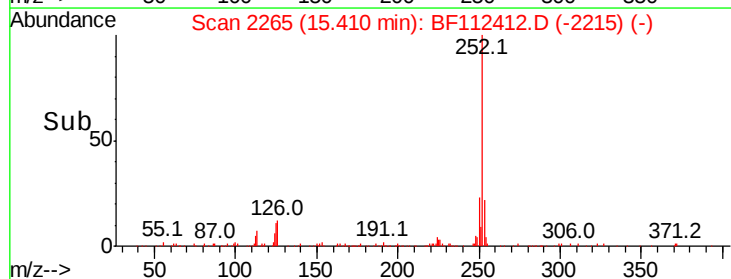
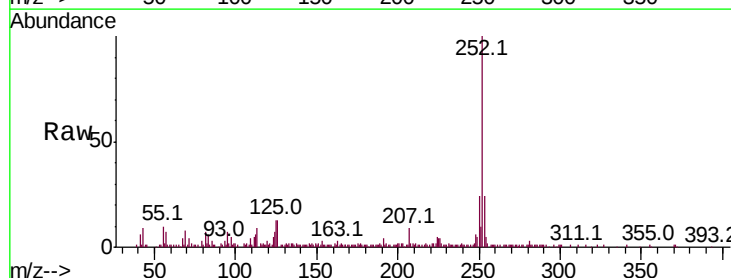
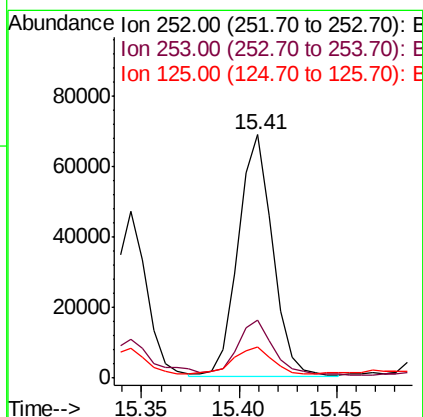
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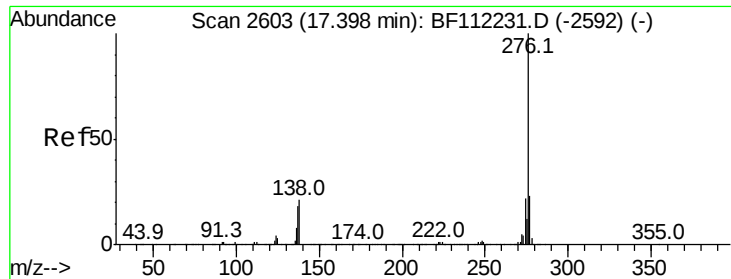
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#90
Benzo(a)pyrene
Concen: 6.697 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	12.8	9.0	13.4





#92
 Benzo(a,h,i)perylene
 Concen: 4.479 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: BF112412.D
 Acq: 5 Feb 2019 22:44

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-020419-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.4	29.0
138	28.1	19.1	28.7

Manual Integrations
 APPROVED

mohammad
 2/6/2019 9:16:32 AM

