

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052019\
 Data File : BF114429.D
 Acq On : 20 May 2019 11:00
 Operator : JU/SJ
 Sample : K2894-10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-2.5-3.5

Manual Integrations
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Quant Time: May 21 13:27:59 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	6.83	152	188397	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	725701	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	339012	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	680220	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	495994	20.00	ng	-0.02
87) Perylene-d12	15.48	264	477141	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1083156	92.52	ng	-0.02
7) Phenol-d6	6.47	99	1418116	102.42	ng	-0.02
23) Nitrobenzene-d5	7.39	82	827893	64.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	322692	92.07	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1249942	55.77	ng	-0.02
79) Terphenyl-d14	12.93	244	1172514	48.73	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.58	163	292292	11.745	ng	99
71) Phenanthrene	11.37	178	156353	4.725	ng	95
75) Fluoranthene	12.56	202	523721	14.696	ng	98
78) Pyrene	12.79	202	495038	12.407	ng	99
81) Benzo(a)anthracene	13.99	228	275164	8.577	ng	98
83) Chrysene	14.02	228	219909	6.993	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	109585	3.943	ng	97
88) Benzo(b)fluoranthene	15.05	252	246575m	8.066	ng	
89) Benzo(k)fluoranthene	15.08	252	91462m	3.257	ng	
90) Benzo(a)pyrene	15.42	252	188856	7.020	ng	99
92) Benzo(g,h,i)perylene	17.40	276	105041	4.689	ng	97

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

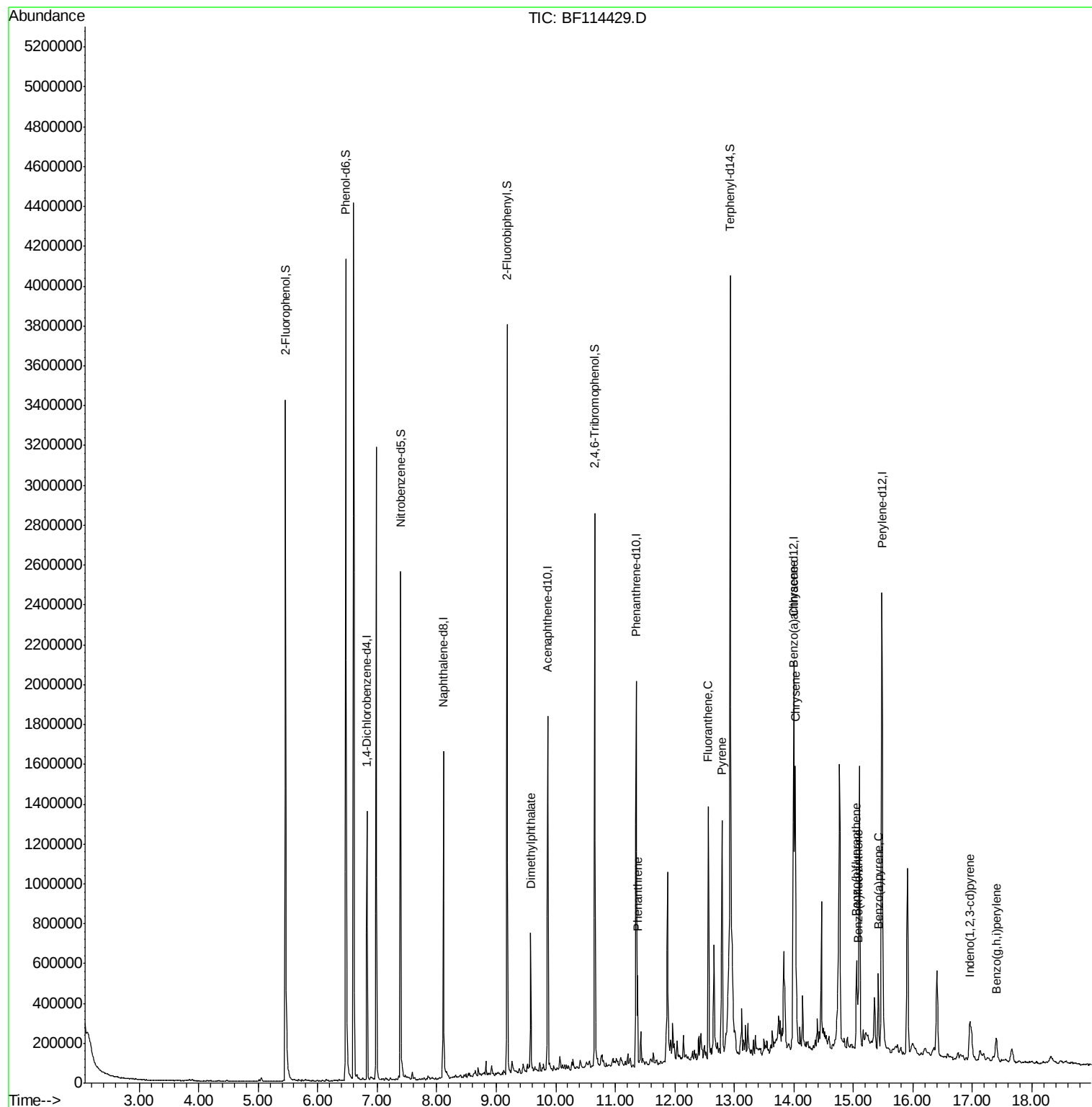
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052019\
Data File : BF114429.D
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Sample : K2894-10
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ALS Vial : 3 Sample Multiplier: 1

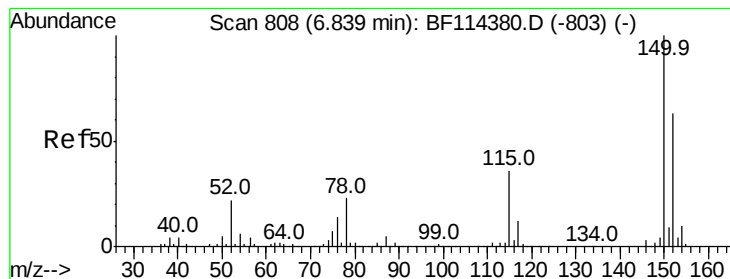
Instrument :
BNA_F
ClientSampleId :
SB-07-2.5-3.5

Manual Integrations
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Quant Time: May 21 13:27:59 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

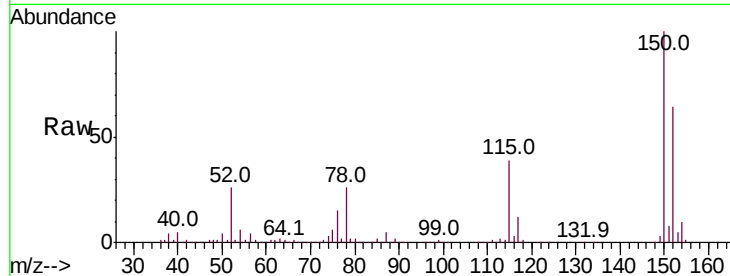
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Instrument :
BNA_F
ClientSampleId :
SB-07-2.5-3.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.3	186.5
115	60.6	49.1	73.7

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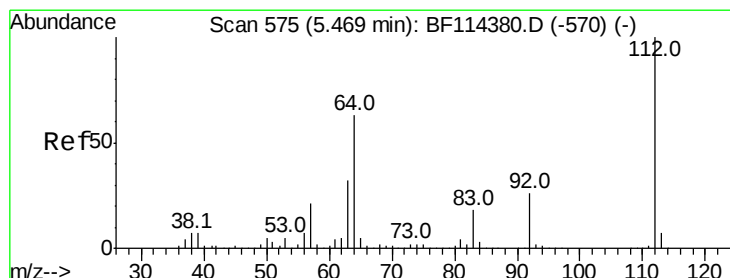
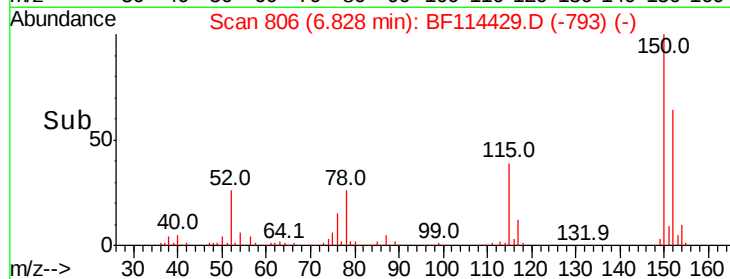
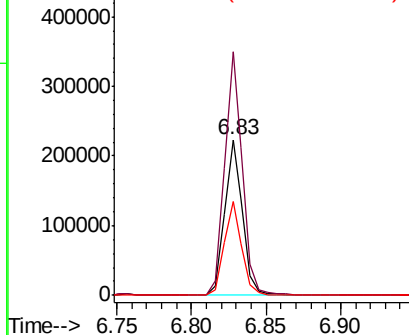


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

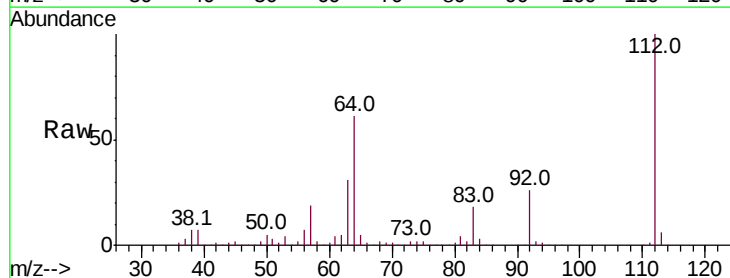
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.522 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	49.0	73.6
63	31.0	24.6	37.0

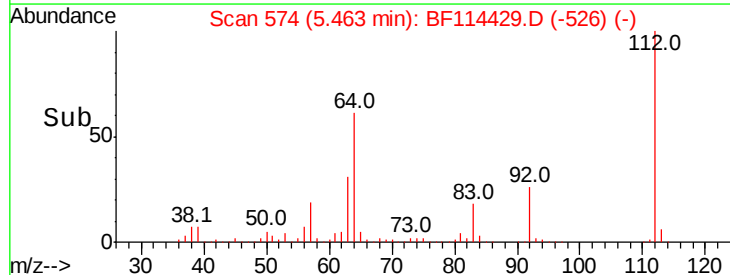
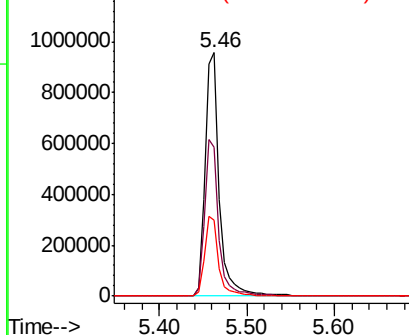


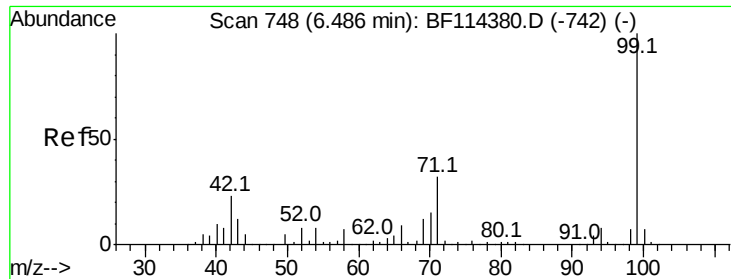
Abundance

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: 102.418 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF114429.D

Acq: 20 May 2019 11:00

Instrument :

BNA_F

ClientSampleId :

SB-07-2.5-3.5

Tot Ion: 99 Resp: 1418116

Ion Ratio Lower Upper

99 100

42 22.2 17.9 26.9

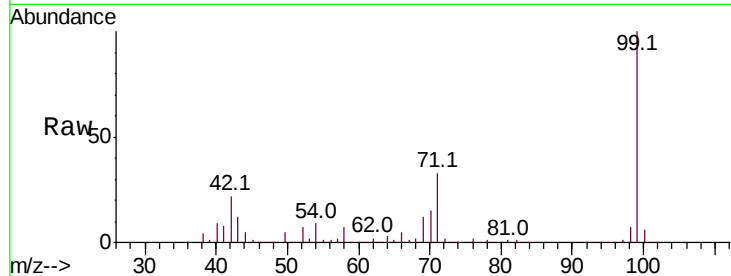
71 32.7 26.2 39.2

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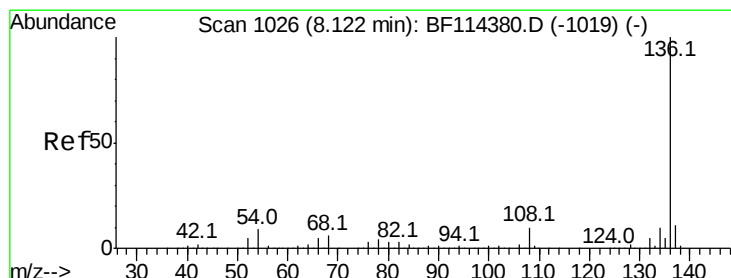
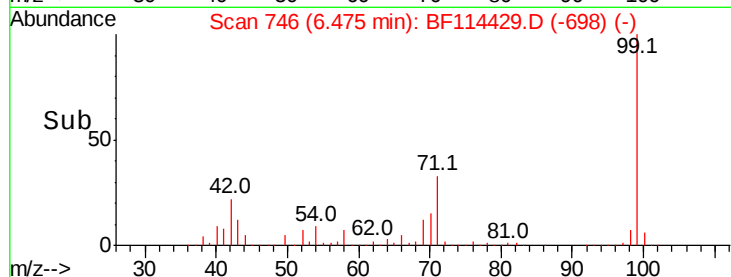
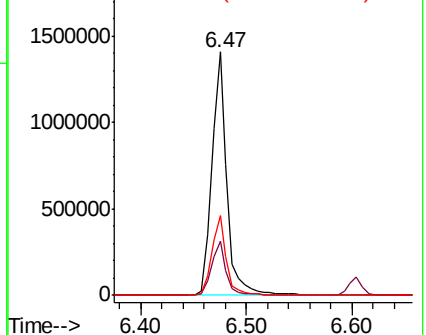
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.11 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF114429.D

Acq: 20 May 2019 11:00

Tgt Ion: 136 Resp: 725701

Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.3 7.8 11.8

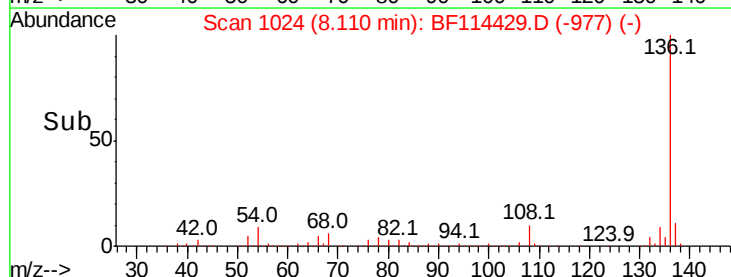
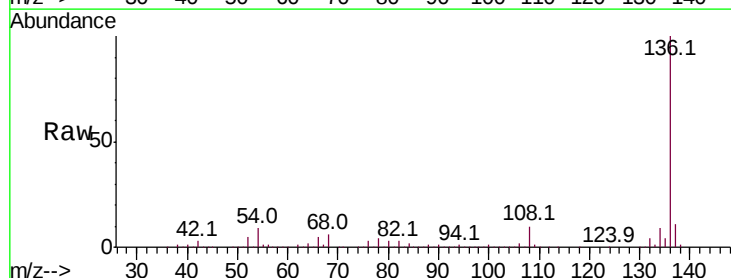
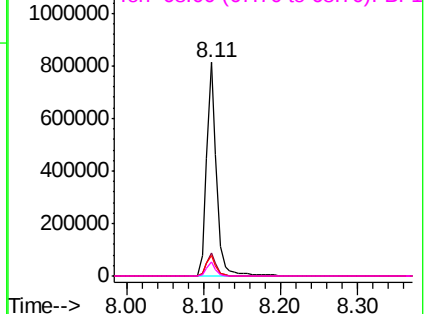
68 6.4 5.1 7.7

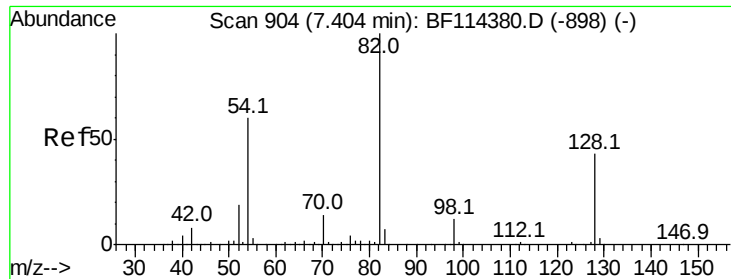
Abundance Ion 136.00 (135.70 to 136.70): E

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





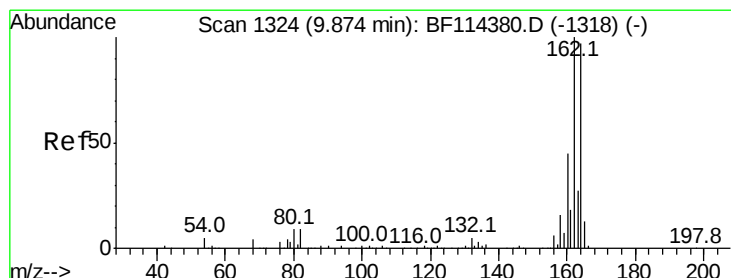
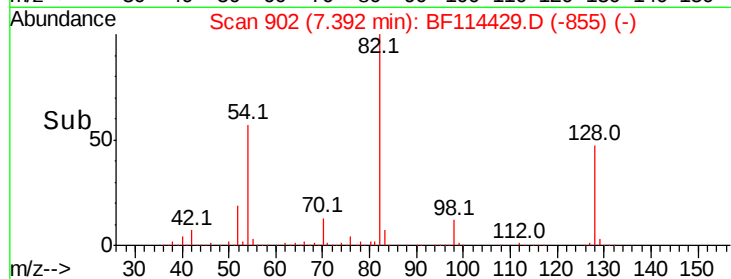
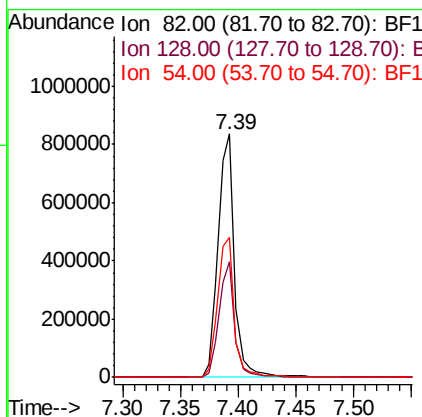
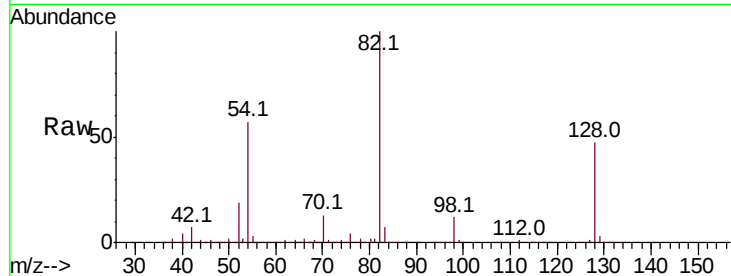
#23
Nitrobenzene-d5
Concen: 64.023 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Instrument :
BNA_F
ClientSampled :
SB-07-2.5-3.5

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	35.5	53.3
54	57.4	48.5	72.7

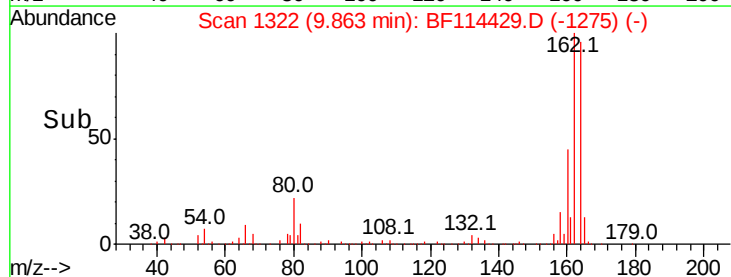
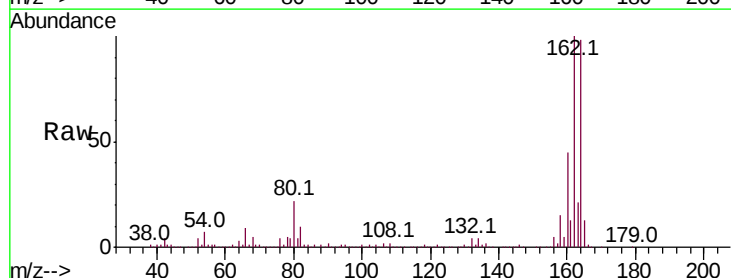
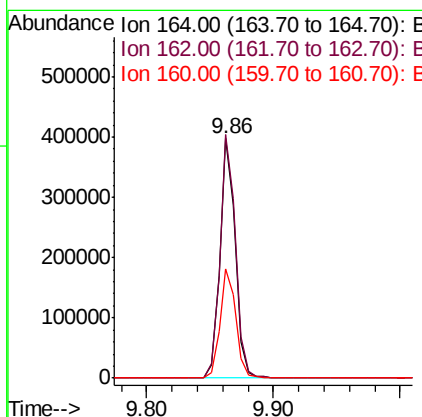
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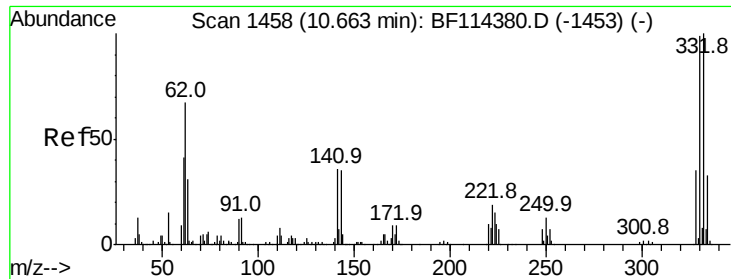
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	45.4	36.5	54.7





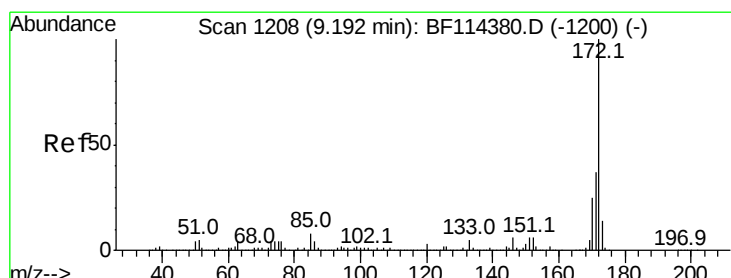
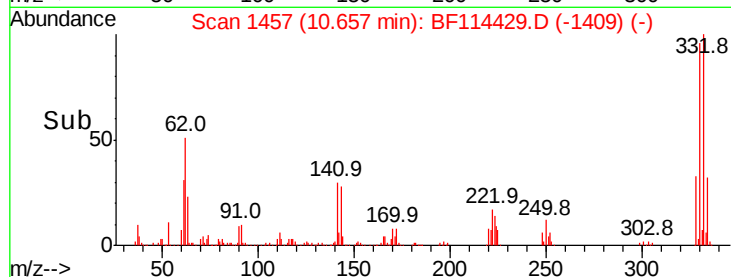
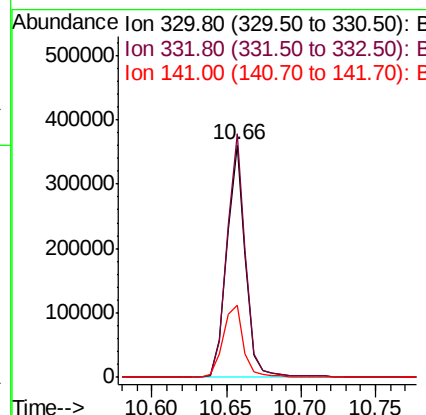
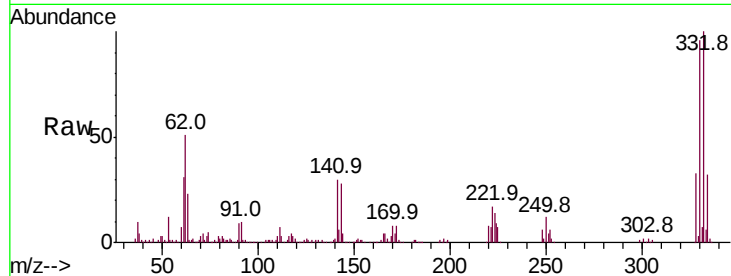
#42
 2,4,6-Tribromophenol
 Concen: 92.071 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF114429.D
 Acq: 20 May 2019 11:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-2.5-3.5

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	104.6	81.4	122.2	
141	33.6	26.6	40.0	

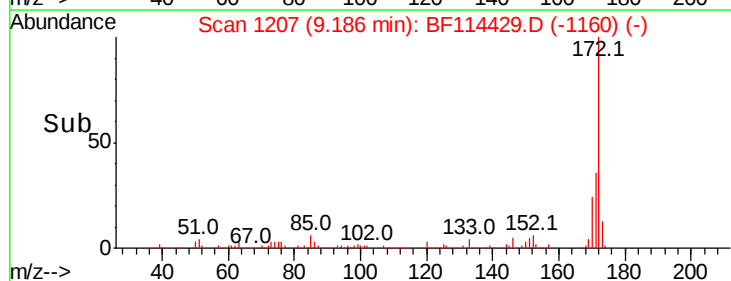
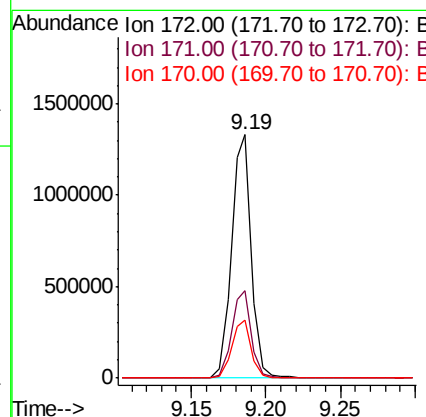
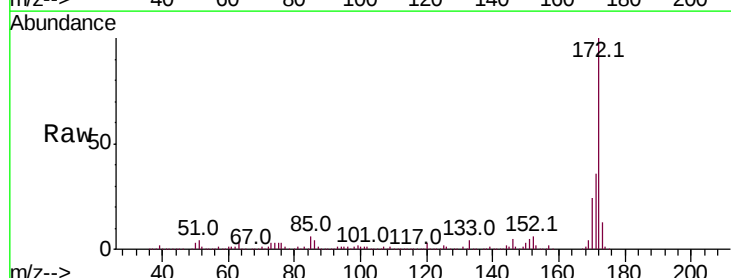
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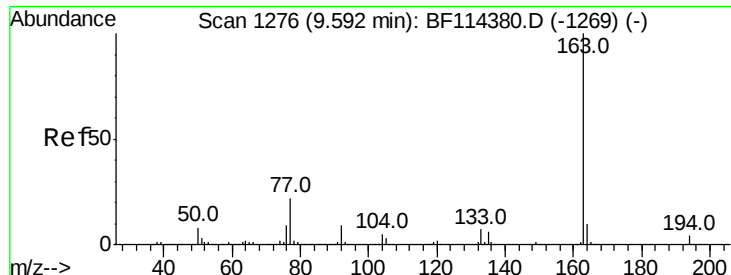
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#45
 2-Fluorobiphenyl
 Concen: 55.772 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF114429.D
 Acq: 20 May 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	30.7	46.1	
170	24.0	20.5	30.7	





#50

Dimethylphthalate

Concen: 11.745 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.03 min

Lab File: BF114429.D

Acq: 20 May 2019 11:00

Instrument :

BNA_F

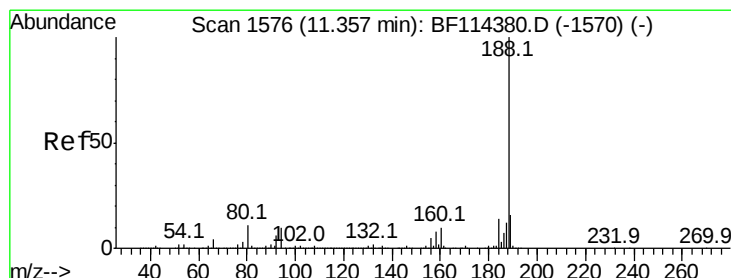
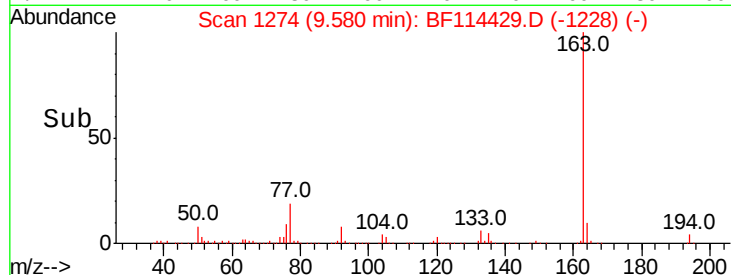
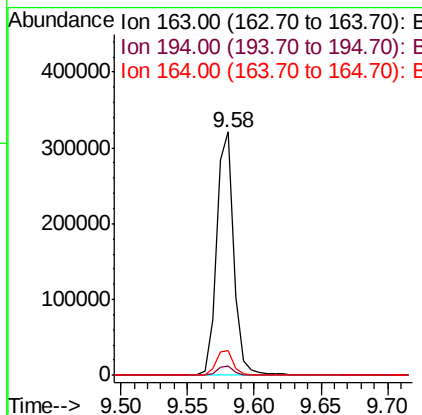
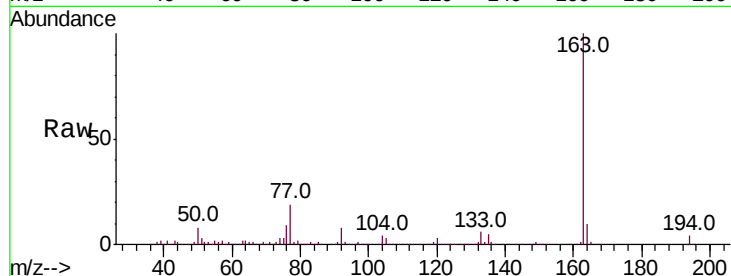
ClientSampleId :

SB-07-2.5-3.5

Tot Ion:	163	Resp:	292292
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.4	5.0
164	10.0	8.2	12.2

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#64

Phenanthrene-d10

Concen: 20.000 ng

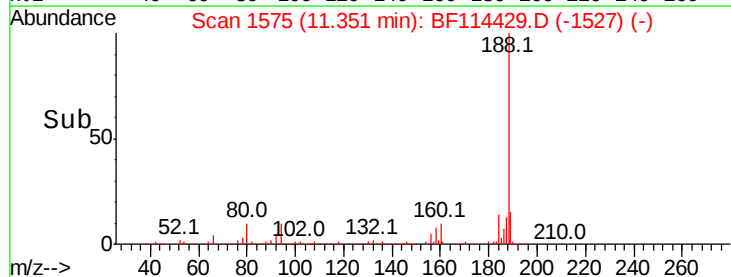
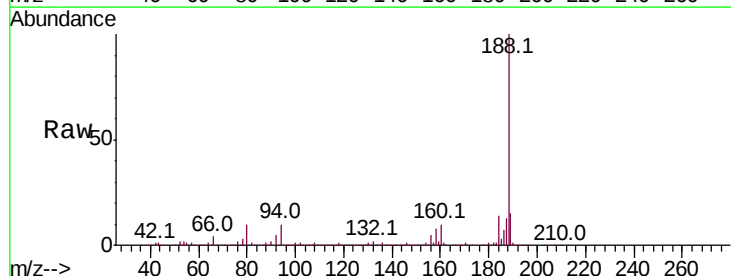
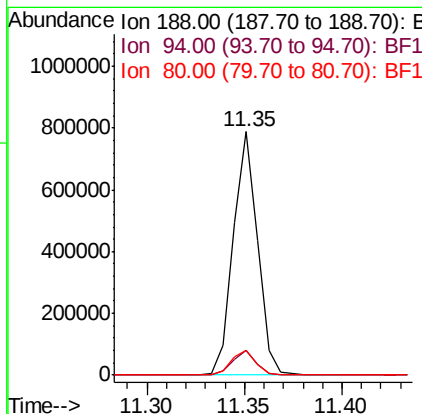
RT: 11.35 min Scan# 1575

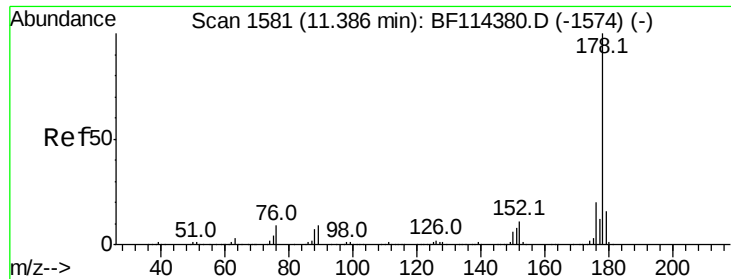
Delta R.T. -0.02 min

Lab File: BF114429.D

Acq: 20 May 2019 11:00

Tgt Ion:	188	Resp:	680220
Ion Ratio	Lower	Upper	
188	100		
94	10.1	8.4	12.6
80	10.3	9.2	13.8





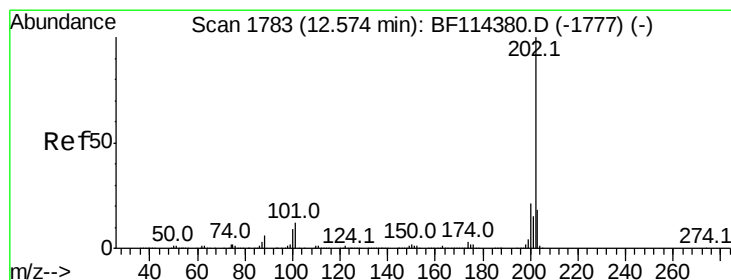
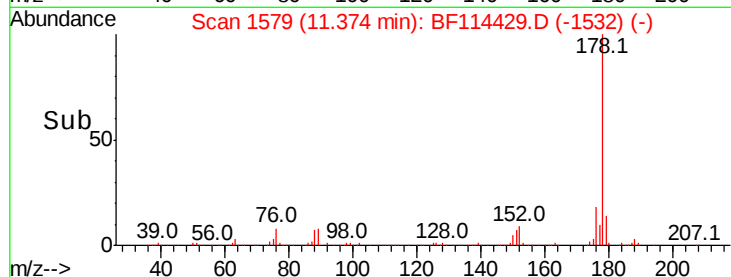
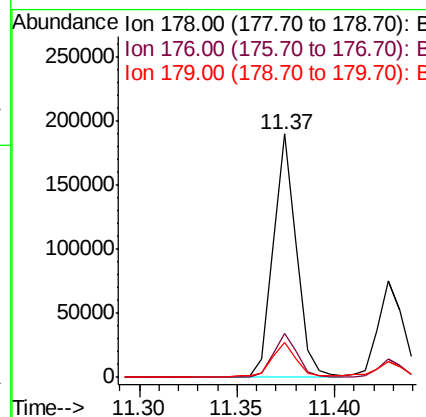
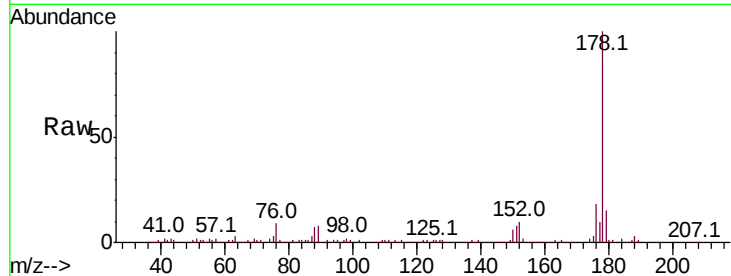
#71
Phenanthrene
Concen: 4.725 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.02 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Instrument :
BNA_F
ClientSampled :
SB-07-2.5-3.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	16.4	24.6
179	14.6	13.2	19.8

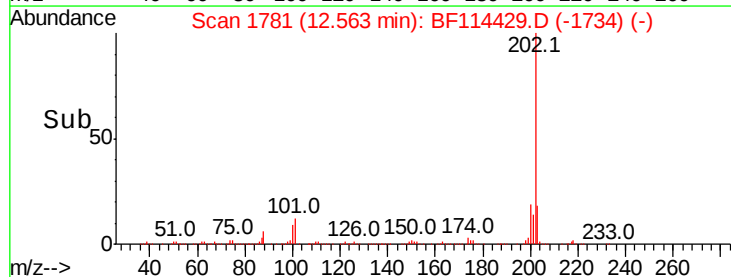
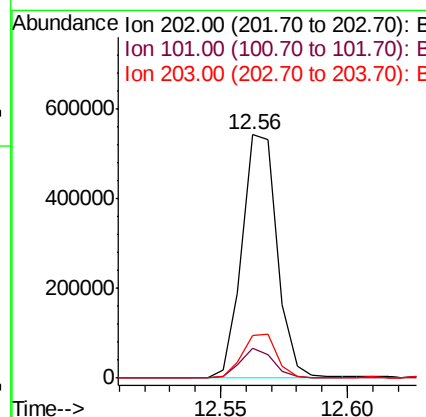
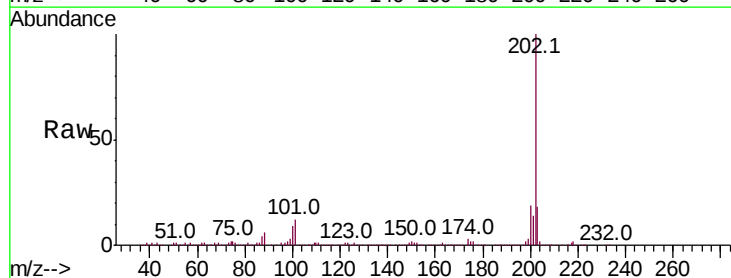
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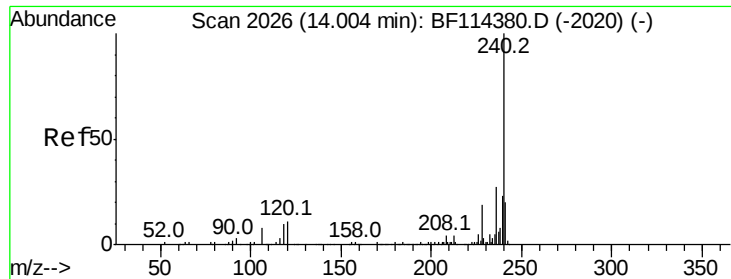
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#75
Fluoranthene
Concen: 14.696 ng
RT: 12.56 min Scan# 1781
Delta R.T. -0.02 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.0
203	17.7	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF114429.D

Acq: 20 May 2019 11:00

Instrument :

BNA_F

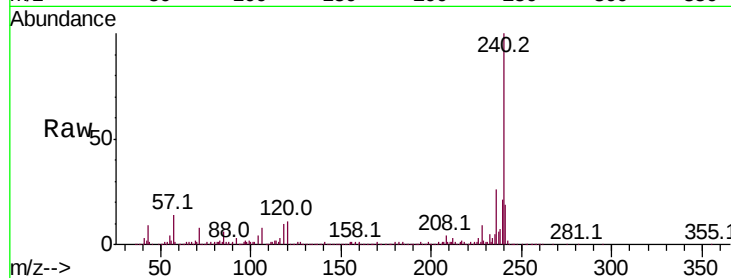
ClientSampleId :

SB-07-2.5-3.5

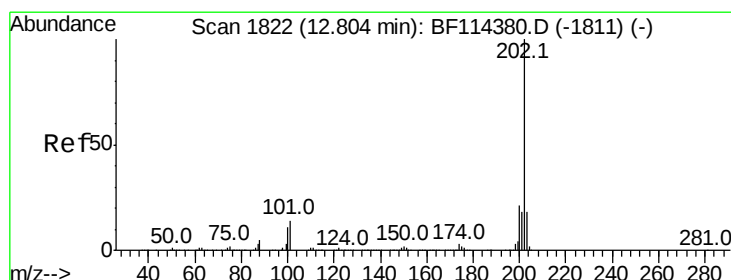
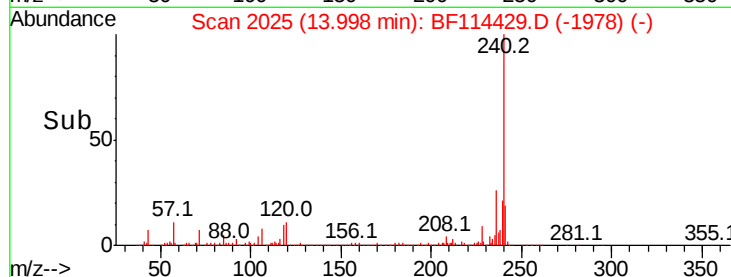
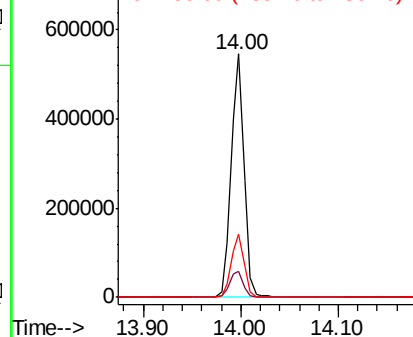
Tot Ion:	240	Resp:	495994
Ion Ratio	Lower	Upper	
240	100		
120	10.9	8.3	12.5
236	26.2	20.8	31.2

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 12.407 ng

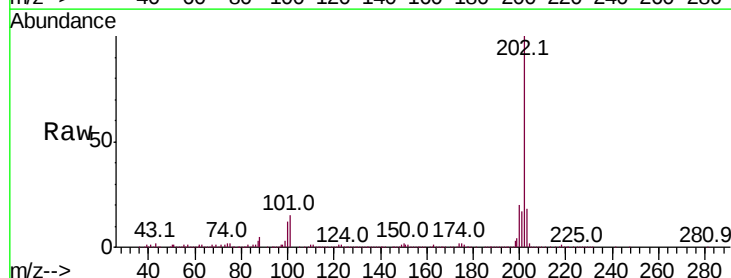
RT: 12.79 min Scan# 1820

Delta R.T. -0.02 min

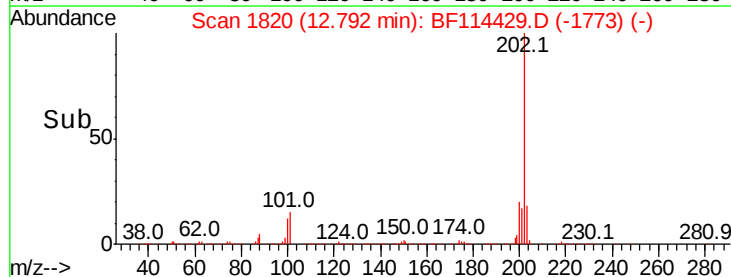
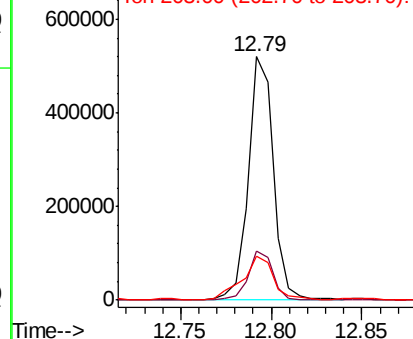
Lab File: BF114429.D

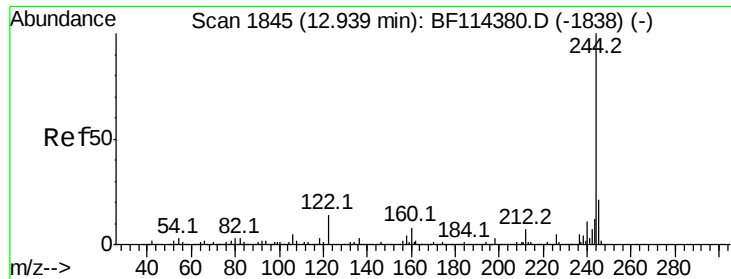
Acq: 20 May 2019 11:00

Tgt Ion:	202	Resp:	495038
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.9	25.3
203	18.3	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





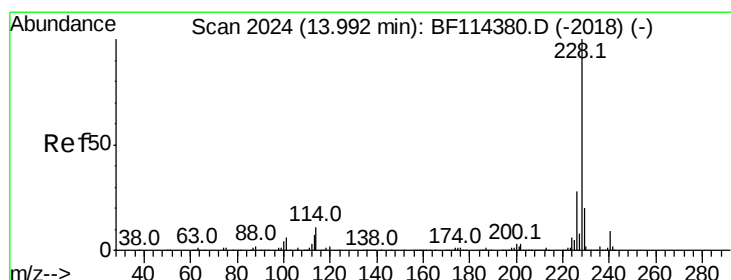
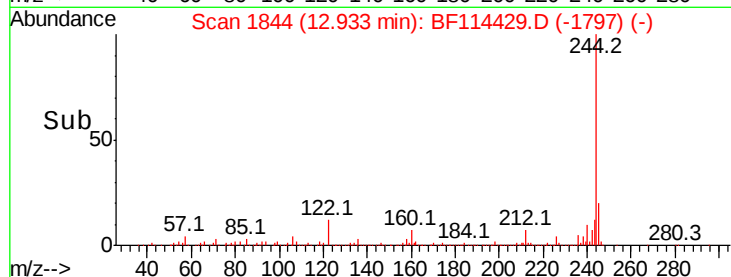
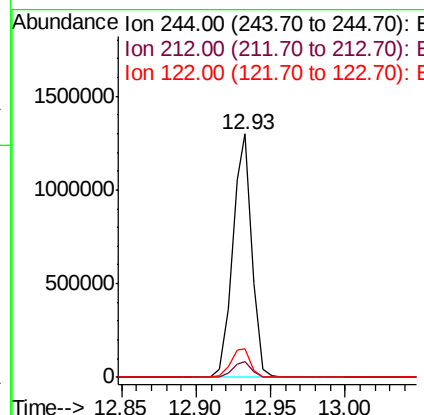
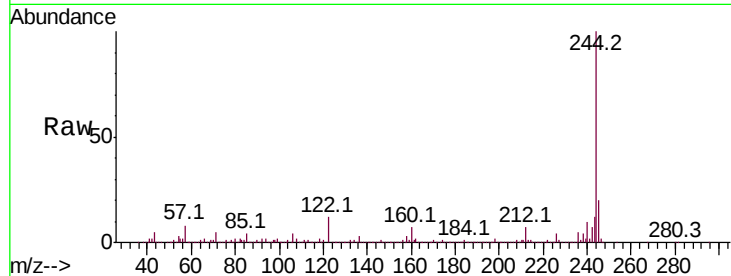
#79
 Terphenyl-d14
 Concen: 48.732 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF114429.D
 Acq: 20 May 2019 11:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-2.5-3.5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	11.6	9.4	14.2

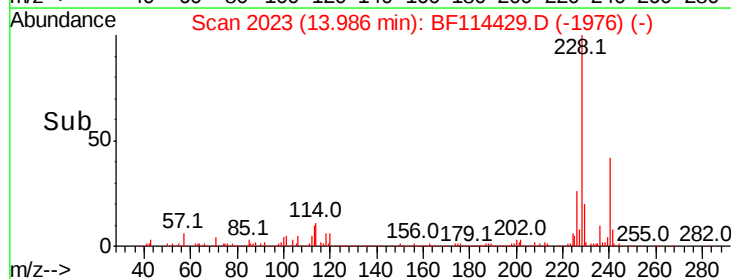
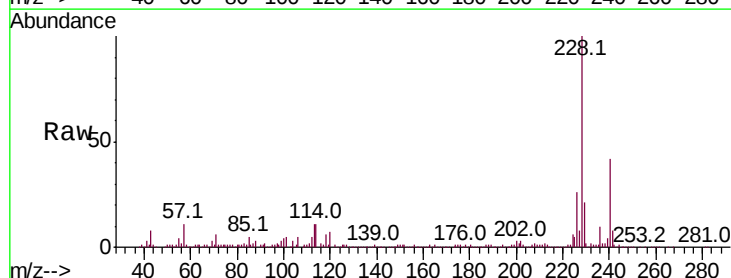
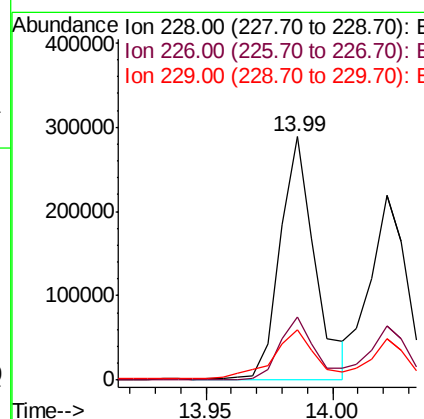
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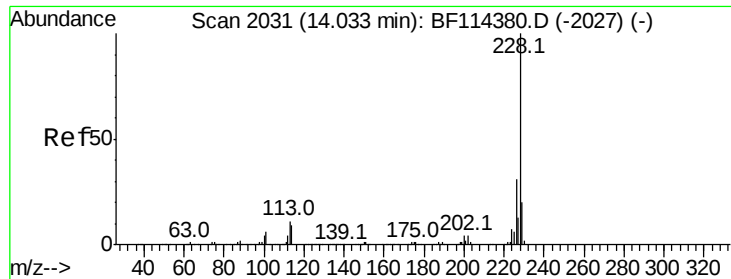
mohammad
 5/21/2019 3:25:40 PM



#81
 Benzo(a)anthracene
 Concen: 8.577 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.02 min
 Lab File: BF114429.D
 Acq: 20 May 2019 11:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.0	22.2	33.2
229	20.8	16.4	24.6





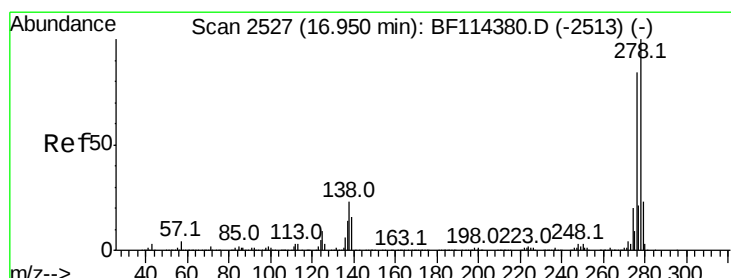
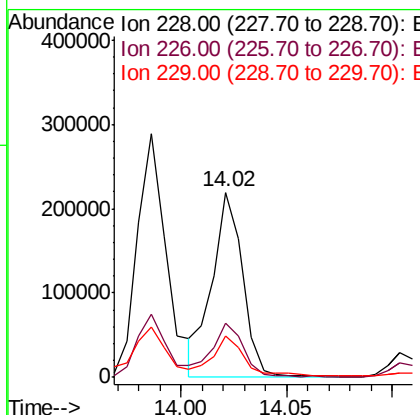
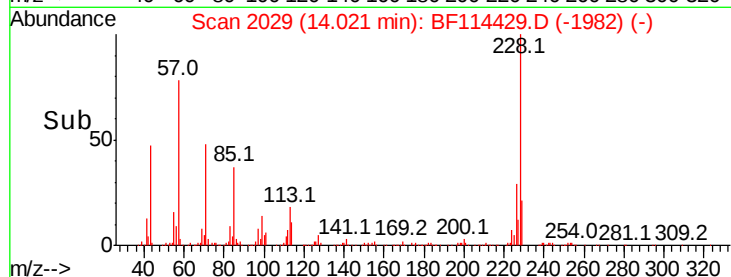
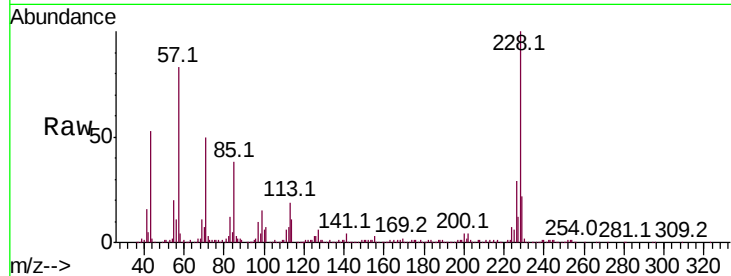
#83
Chrysene
Concen: 6.993 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Instrument :
BNA_F
ClientSampleId :
SB-07-2.5-3.5

Tot Ion:	228	Resp:	219909
Ion Ratio	Lower	Upper	
228	100		
226	29.4	25.0	37.6
229	22.2	17.0	25.6

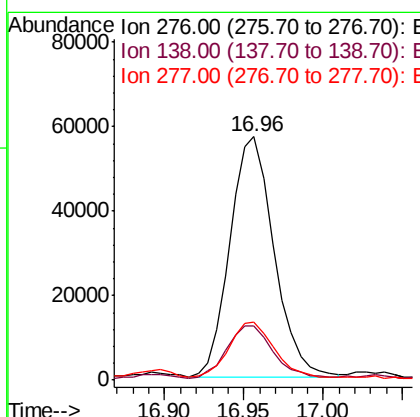
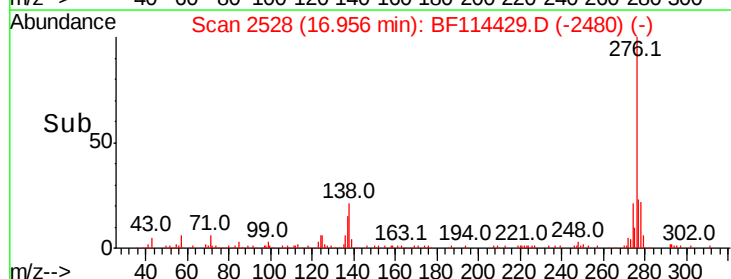
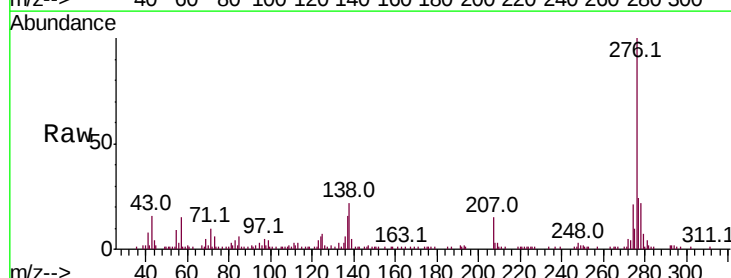
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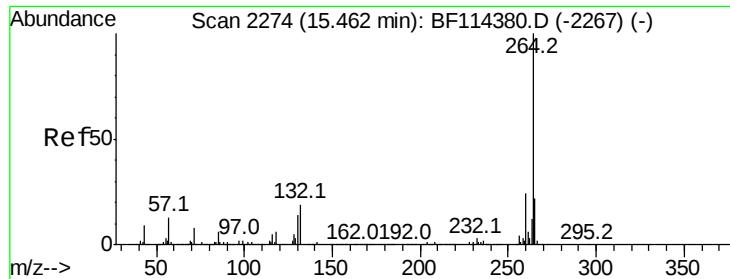
mohammad
5/21/2019 3:25:40 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.943 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Tgt Ion:	276	Resp:	109585
Ion Ratio	Lower	Upper	
276	100		
138	23.3	20.2	30.2
277	23.5	20.0	30.0





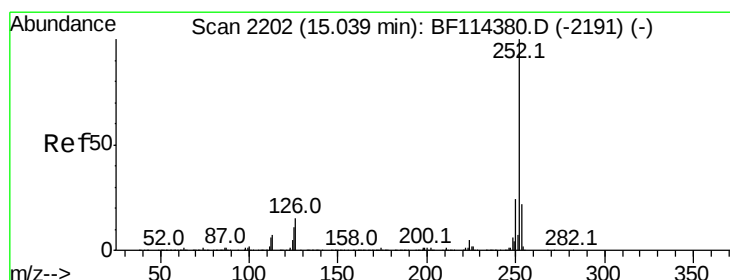
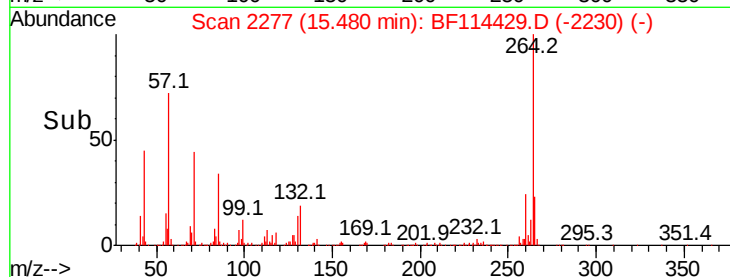
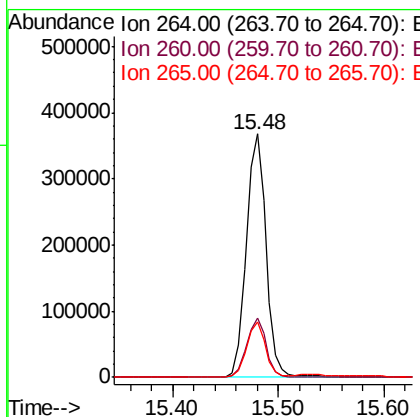
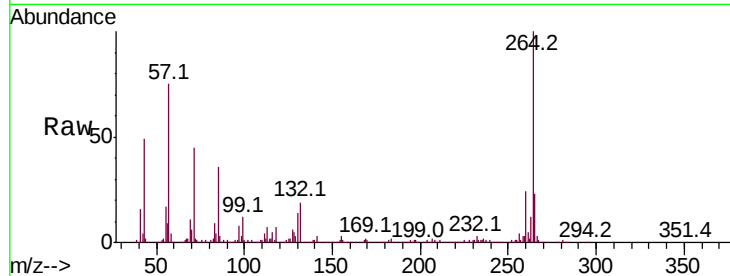
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.02 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Instrument :
BNA_F
ClientSampleId :
SB-07-2.5-3.5

Tot Ion:	264	Resp:	477141
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.4	29.0
265	22.8	16.9	25.3

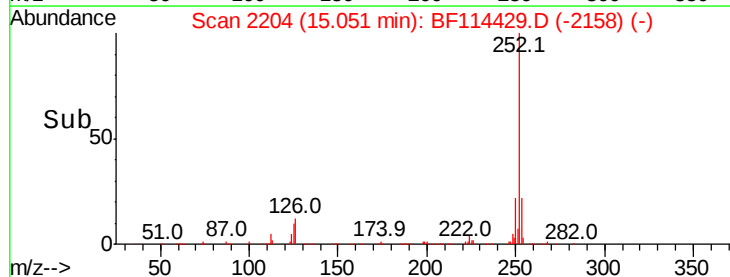
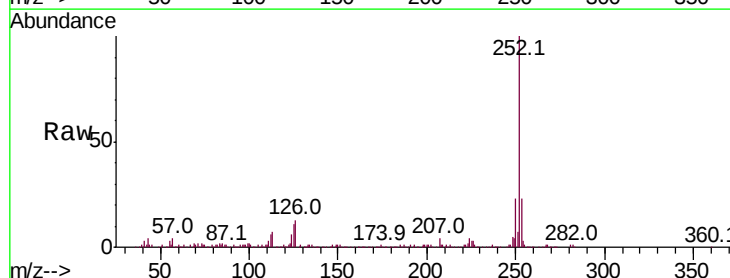
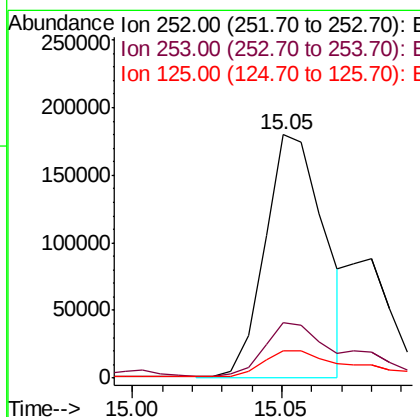
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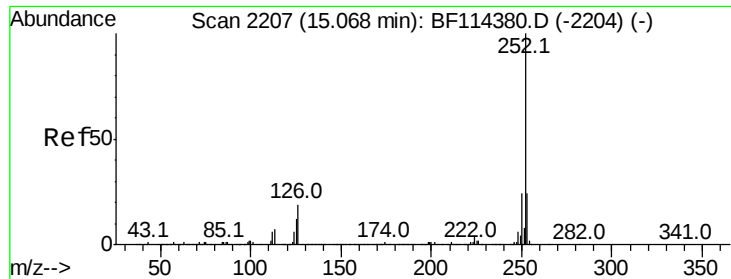
mohammad
5/21/2019 3:25:40 PM



#88
Benzo(b)fluoranthene
Concen: 8.066 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Tgt Ion:	252	Resp:	246575
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.8
125	11.3	8.3	12.5





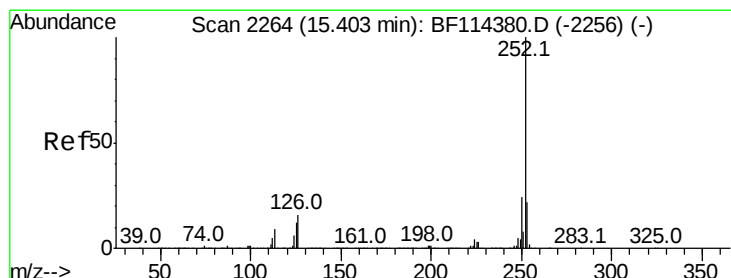
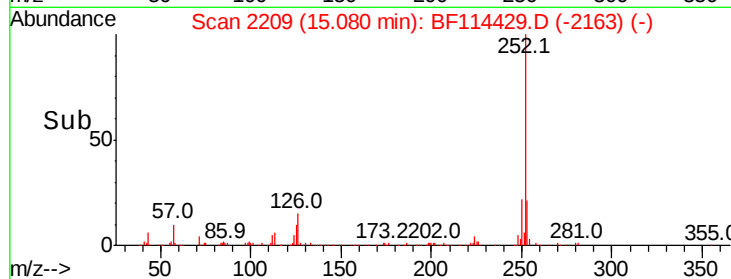
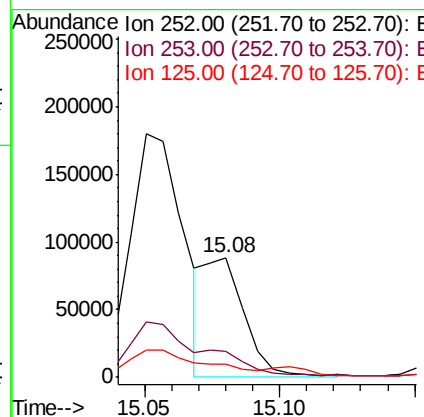
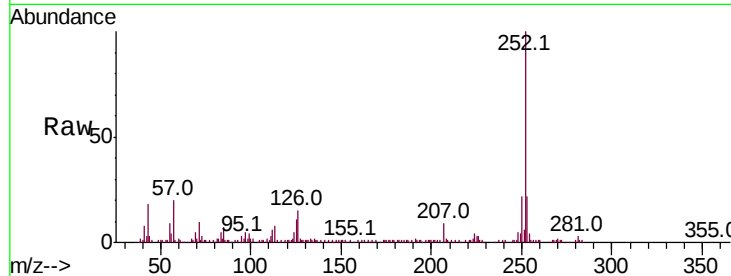
#89
Benzo(k)fluoranthene
Concen: 3.257 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.03 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Instrument :
BNA_F
ClientSampleId :
SB-07-2.5-3.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	10.7	8.6	13.0

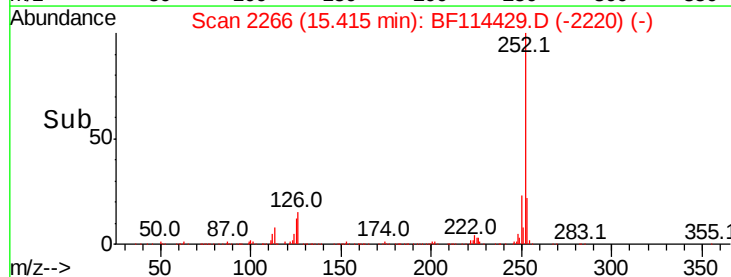
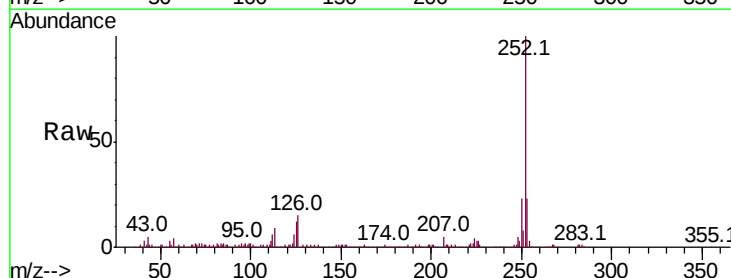
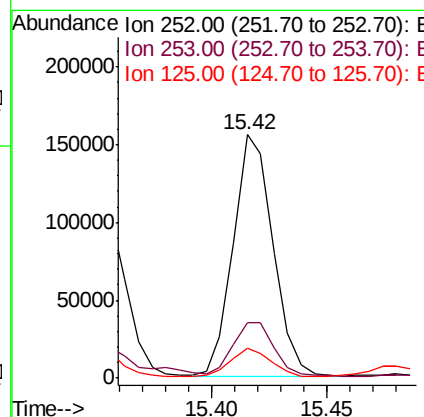
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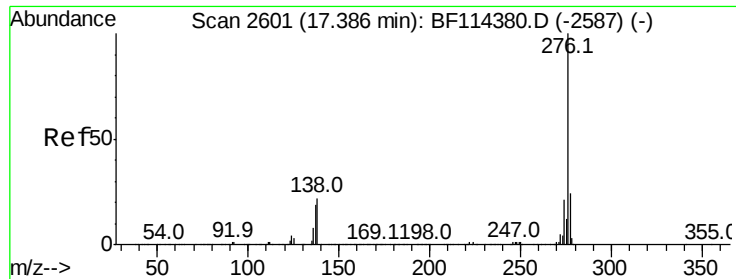
mohammad
5/21/2019 3:25:40 PM



#90
Benzo(a)pyrene
Concen: 7.020 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.03 min
Lab File: BF114429.D
Acq: 20 May 2019 11:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	12.4	9.5	14.3





#92
 Benzo(a,h,i)perylene
 Concen: 4.689 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. -0.02 min
 Lab File: BF114429.D
 Acq: 20 May 2019 11:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-2.5-3.5

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.0	28.4
138	21.2	17.8	26.6

Manual Integrations
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mohammad
 5/21/2019 3:25:40 PM

