

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116175.D
 Acq On : 11 Aug 2019 4:58
 Operator : HP/JU
 Sample : K4165-02
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW1-E-12-16-SOIL

Manual Integrations
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mohammad
 8/14/2019 2:55:13 AM

Quant Time: Aug 12 04:36:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	144245	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	553238	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	265427	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	381210	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	273513	20.00	ng	-0.01
87) Perylene-d12	15.47	264	255388	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	653461	75.84	ng	0.00
7) Phenol-d6	6.47	99	868963	79.93	ng	-0.01
23) Nitrobenzene-d5	7.40	82	551673	57.56	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	158000	61.40	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	963809	68.01	ng	-0.01
79) Terphenyl-d14	12.93	244	737800	56.84	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.59	163	208260	11.524	ng	99
71) Phenanthrene	11.38	178	122934	6.308	ng	97
75) Fluoranthene	12.57	202	186000	9.117	ng	99
78) Pyrene	12.80	202	160319	7.776	ng	98
81) Benzo(a)anthracene	13.99	228	82000	4.691	ng	97
83) Chrysene	14.03	228	74295	4.377	ng	96
86) Indeno(1,2,3-cd)pyrene	16.96	276	34742	2.437	ng	96
88) Benzo(b)fluoranthene	15.04	252	92069m	6.235	ng	
89) Benzo(k)fluoranthene	15.07	252	30879m	2.147	ng	
90) Benzo(a)pyrene	15.41	252	60905	4.614	ng	98
92) Benzo(g,h,i)perylene	17.40	276	30202	2.691	ng	96

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

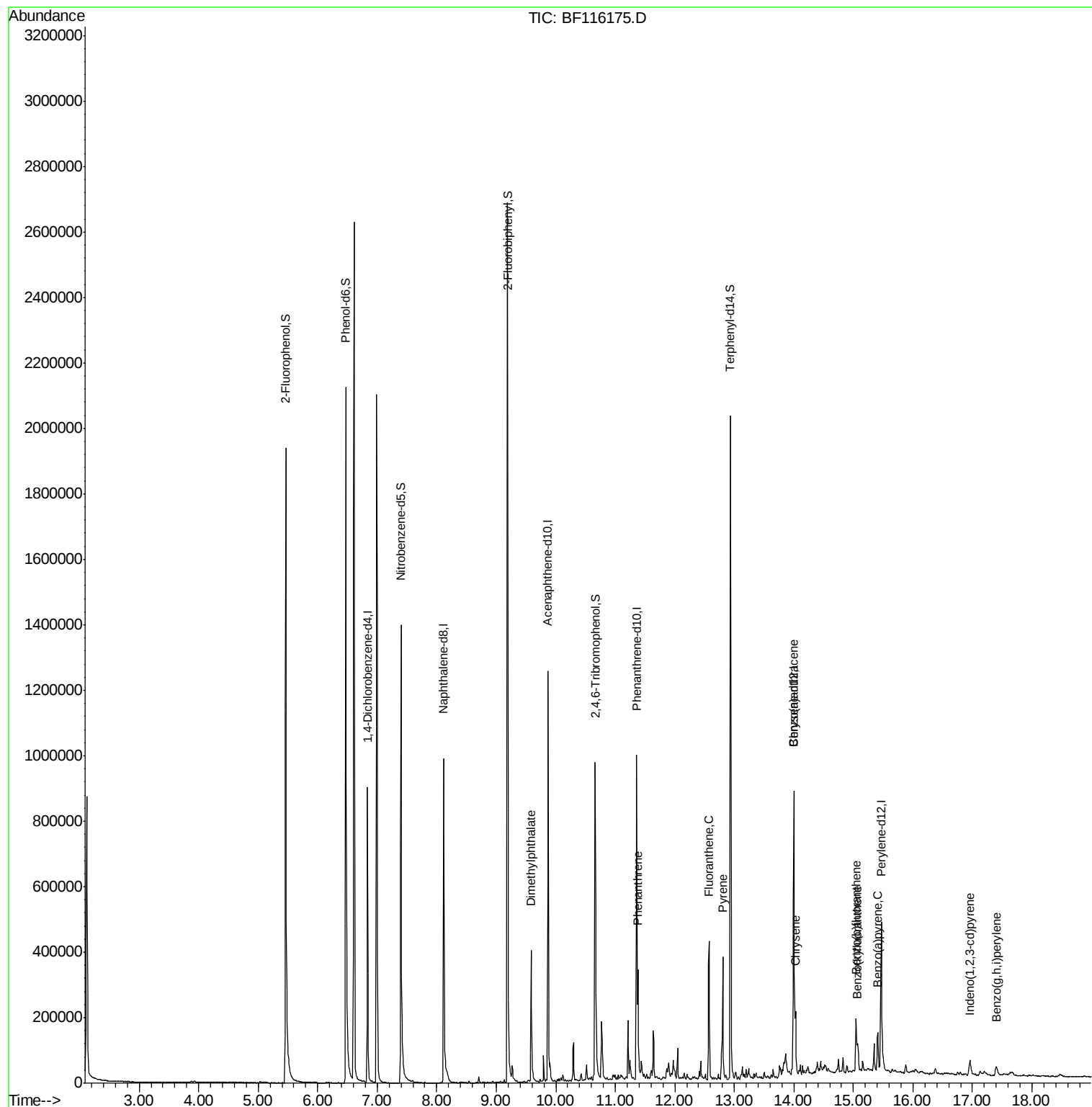
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
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#1

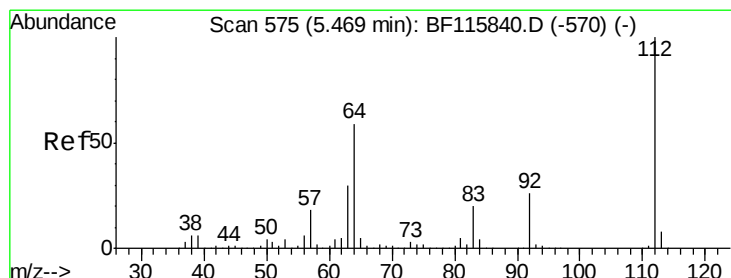
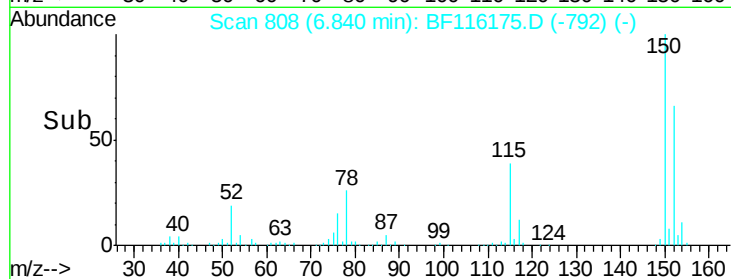
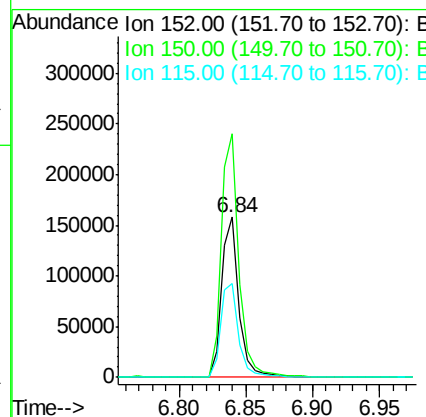
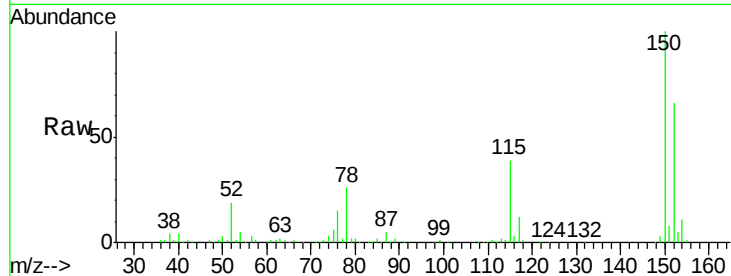
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Instrument :
BNA_F
ClientSampleId :
CP-MW1-E-12-16-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	126.2	189.2
115	58.8	49.9	74.9

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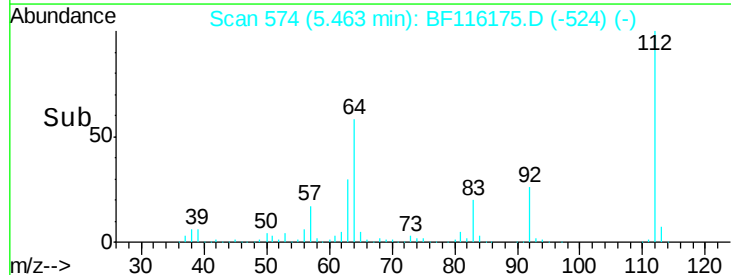
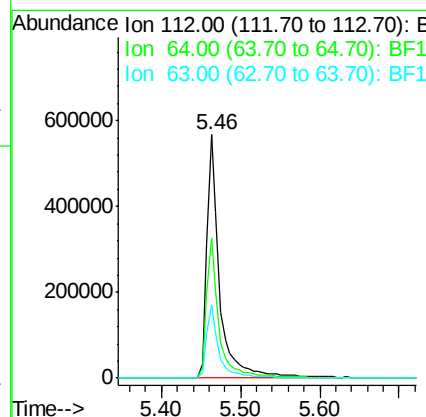
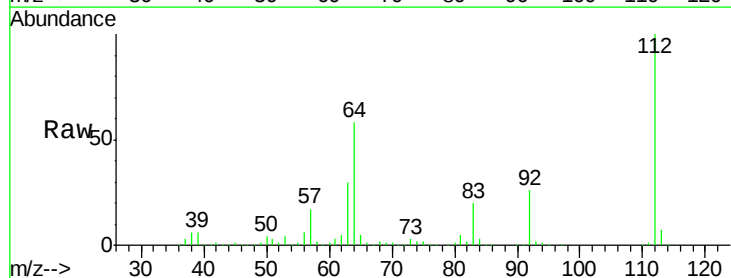
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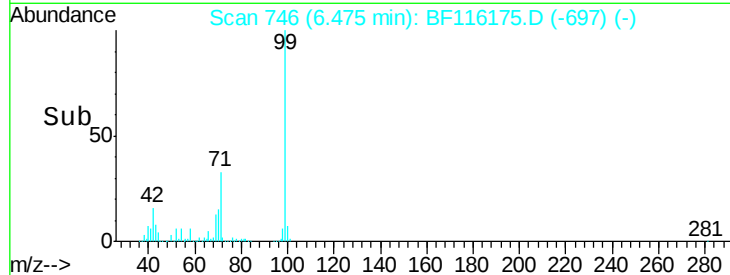
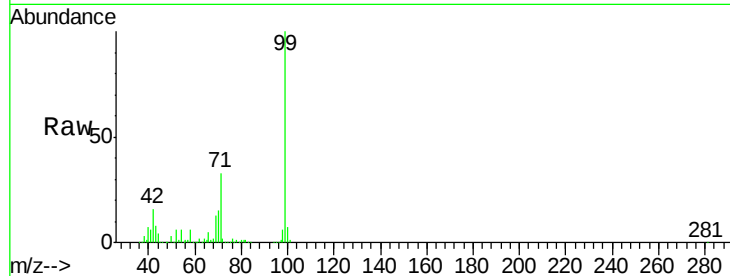


#5

2-Fluorophenol
Concen: 75.839 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	45.4	68.2
63	30.1	23.7	35.5





#7

Phenol-d6

Concen: 79.933 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116175.D

Acq: 11 Aug 2019 4:58

Tot Ion:	99	Resp:	868963
Ion Ratio	Lower	Upper	
99	100		
42	16.3	13.8	20.8
71	32.9	27.3	40.9

Instrument :

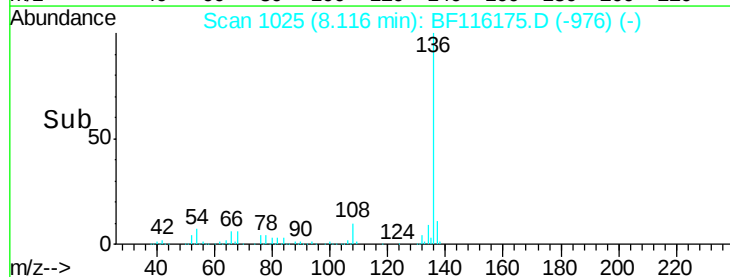
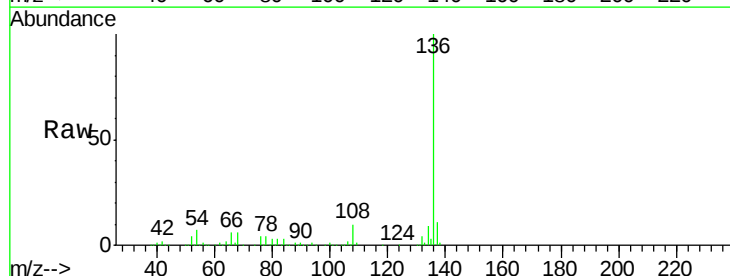
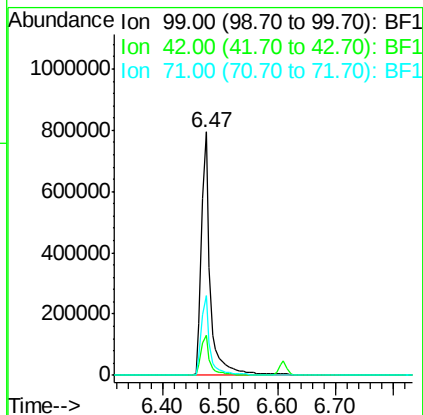
BNA_F

ClientSampleId :

CP-MW1-E-12-16-SOIL

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#21

Naphthalene-d8

Concen: 20.000 ng

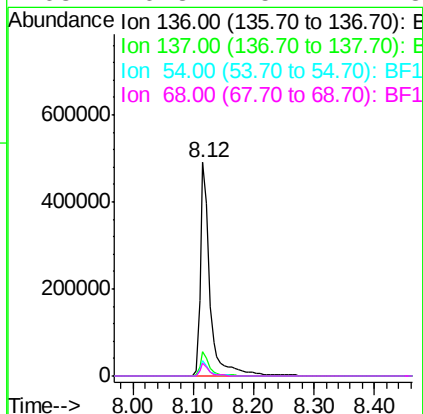
RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116175.D

Acq: 11 Aug 2019 4:58

Tgt Ion:	136	Resp:	553238
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	7.3	5.8	8.6
68	6.3	5.2	7.8





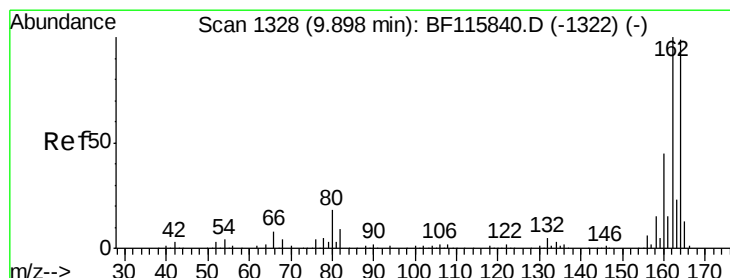
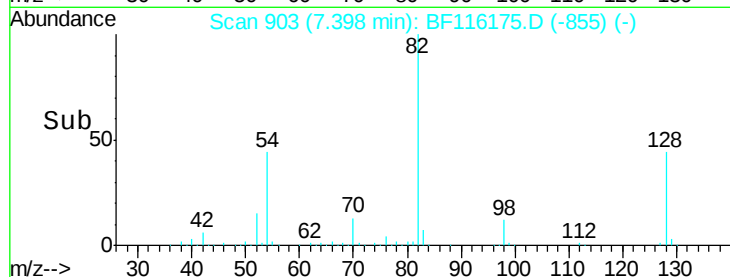
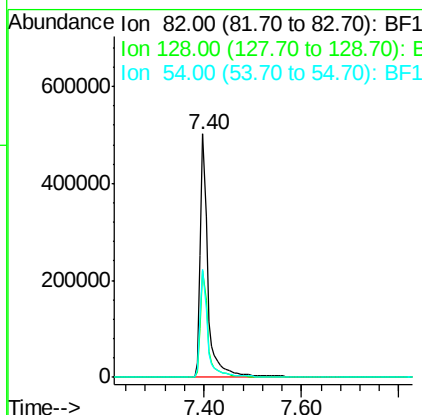
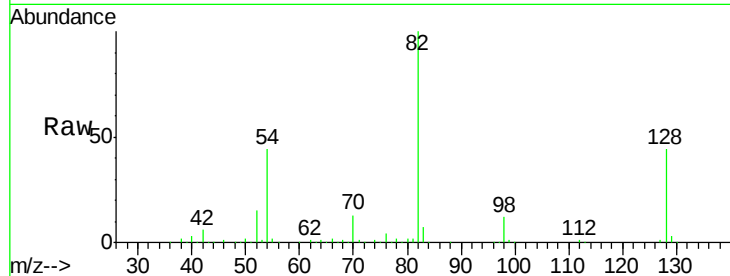
#23
 Nitrobenzene-d5
 Concen: 57.560 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF116175.D
 Acq: 11 Aug 2019 4:58

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW1-E-12-16-SOIL

Tot Ion	82	Resp	551673
Ion Ratio	100	Lower	Upper
82	100		
128	43.7	36.5	54.7
54	44.2	36.0	54.0

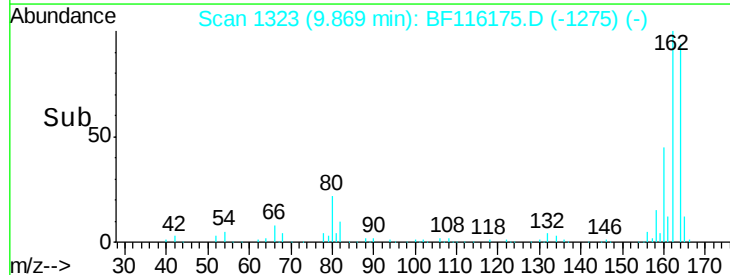
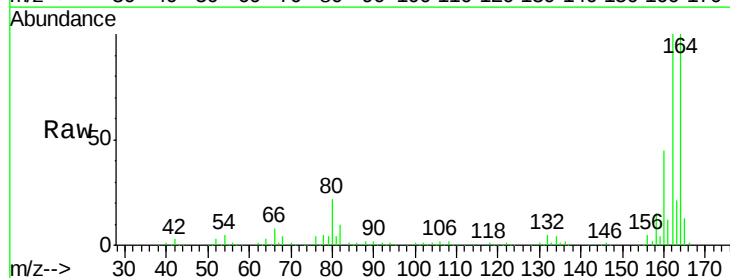
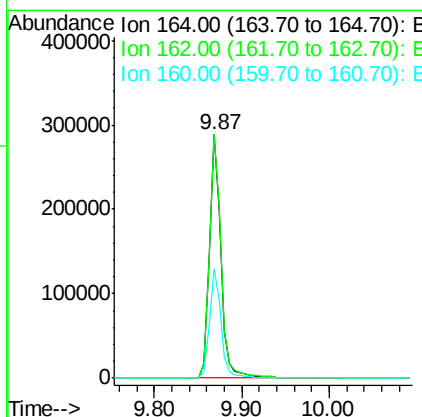
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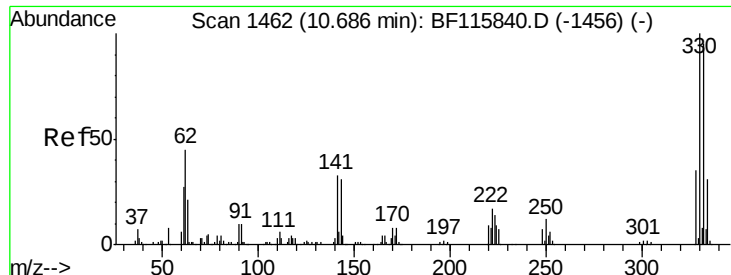
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF116175.D
 Acq: 11 Aug 2019 4:58

Tgt Ion	164	Resp	265427
Ion Ratio	100	Lower	Upper
164	100		
162	100.2	82.6	124.0
160	45.1	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 61.398 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116175.D

Acq: 11 Aug 2019 4:58

Instrument :

BNA_F

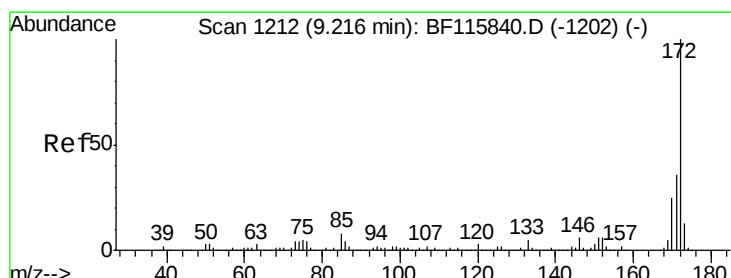
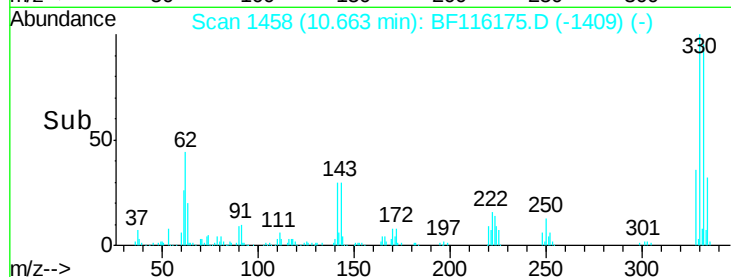
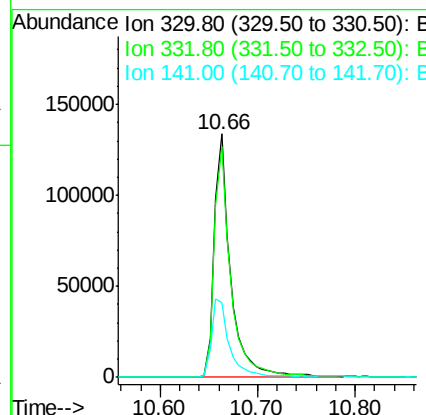
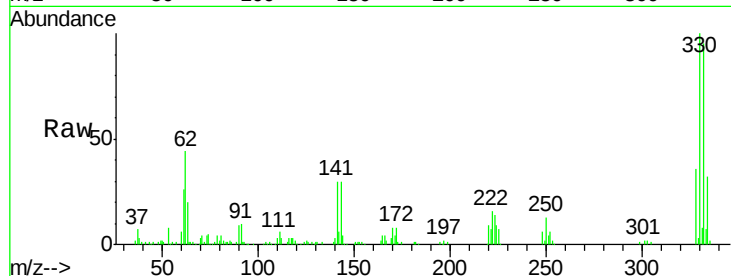
ClientSampleId :

CP-MW1-E-12-16-SOIL

Tot Ion:	330	Resp:	158000
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.8	115.2
141	35.0	26.3	39.5

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#45

2-Fluorobiphenyl

Concen: 68.014 ng

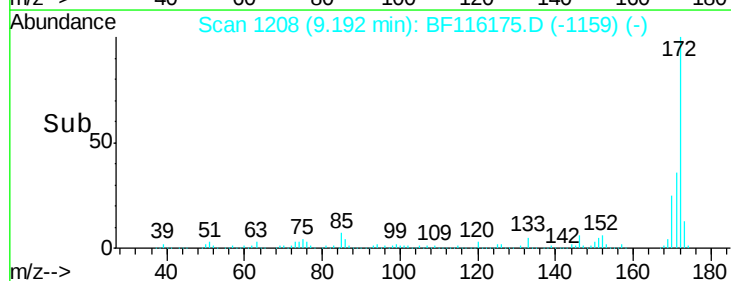
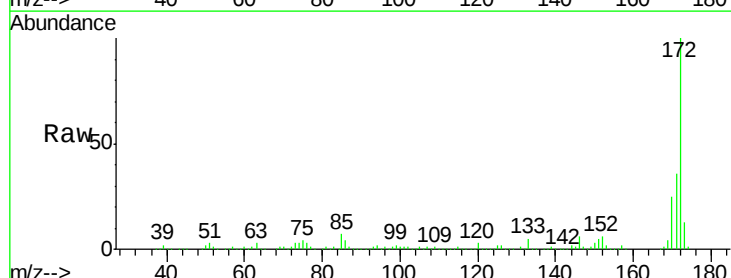
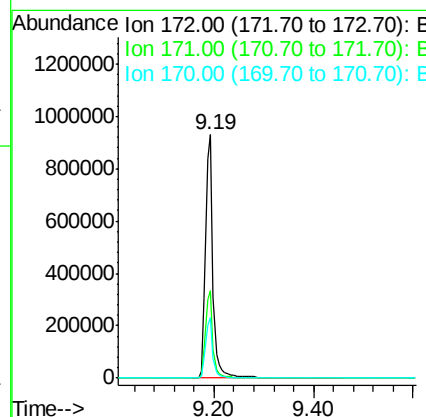
RT: 9.19 min Scan# 1208

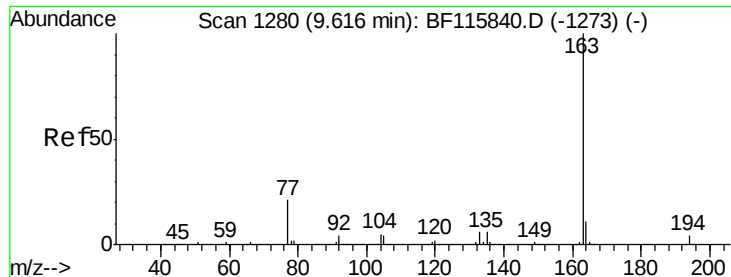
Delta R.T. -0.01 min

Lab File: BF116175.D

Acq: 11 Aug 2019 4:58

Tgt Ion:	172	Resp:	963809
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.6	44.4
170	24.7	20.1	30.1





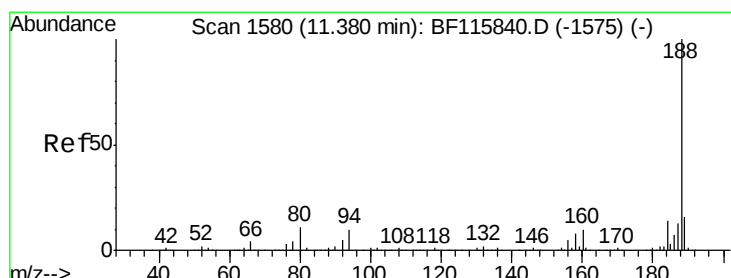
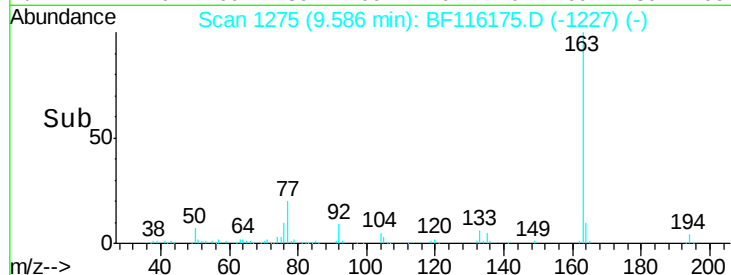
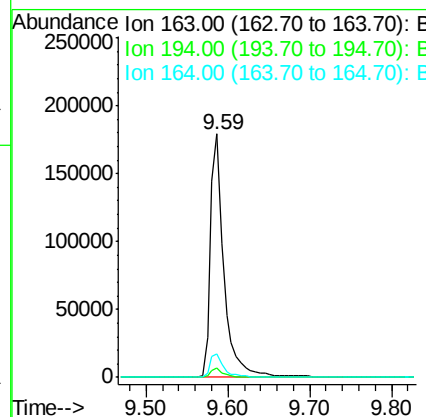
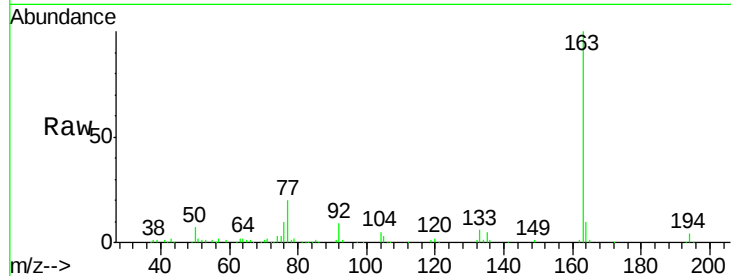
#50
Dimethylphthalate
Concen: 11.524 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Instrument :
BNA_F
ClientSampleId :
CP-MW1-E-12-16-SOIL

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.9	3.0	4.6
164	9.8	8.4	12.6

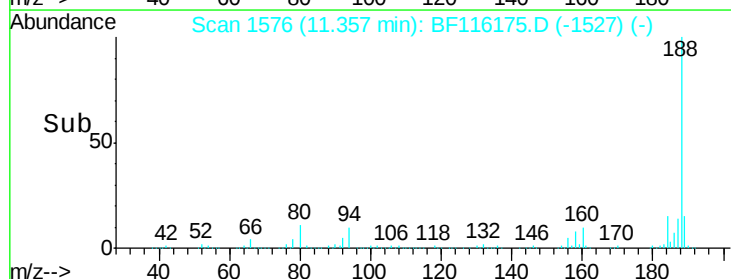
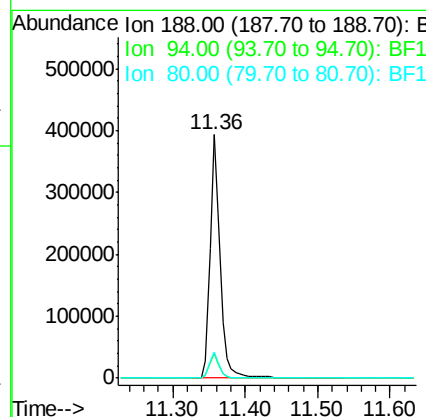
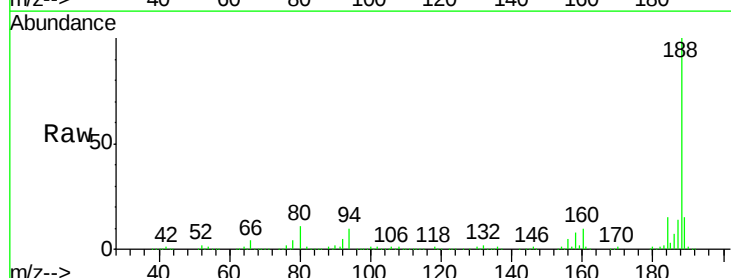
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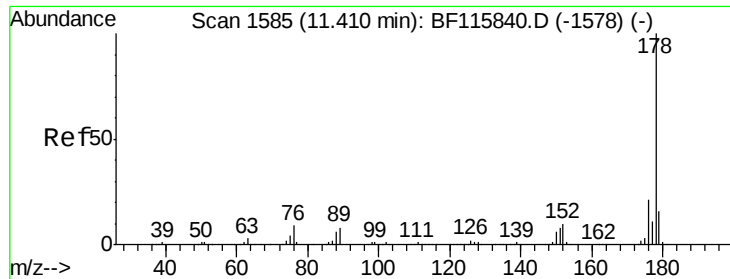
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	8.1	12.1
80	10.9	8.7	13.1





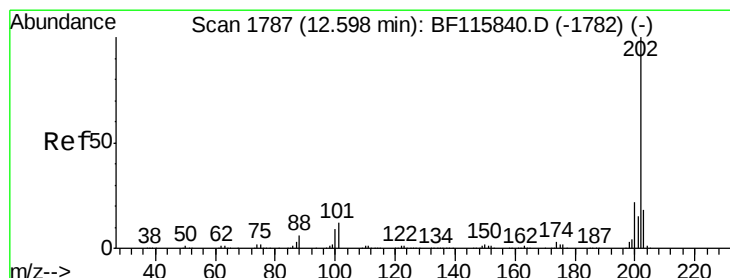
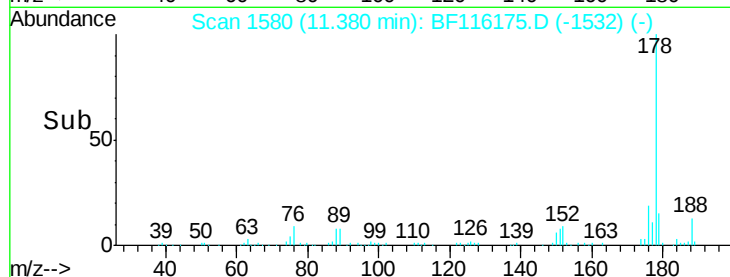
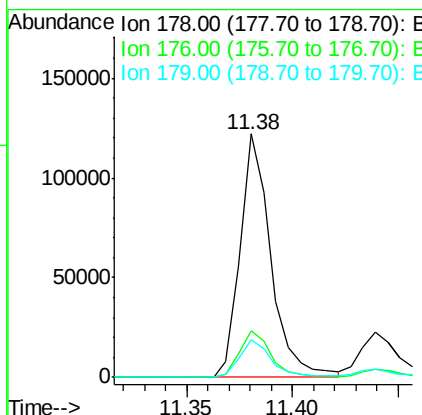
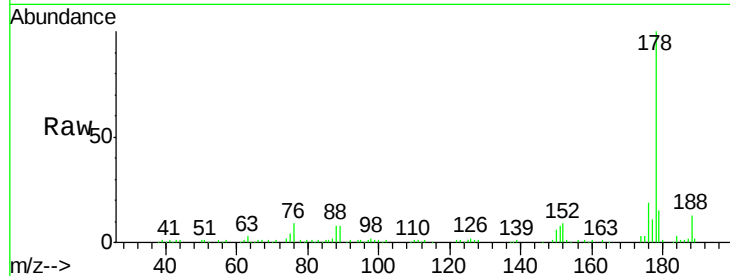
#71
Phenanthrene
Concen: 6.308 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Instrument :
BNA_F
ClientSampleId :
CP-MW1-E-12-16-SOIL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.6	24.8
179	15.3	12.5	18.7

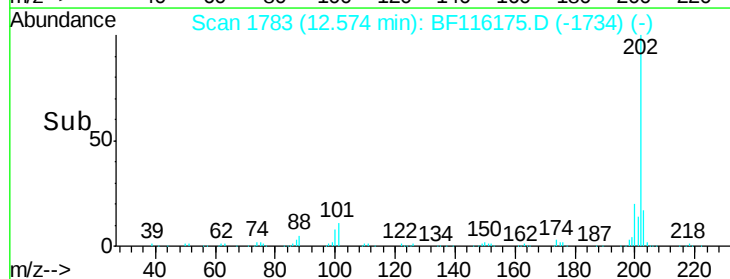
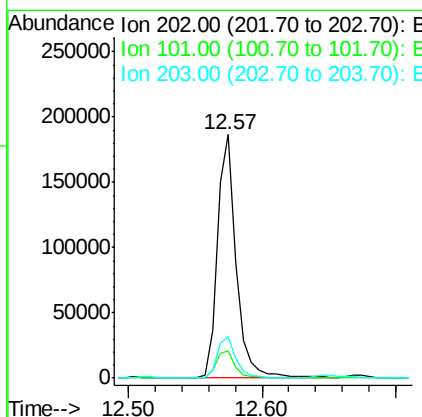
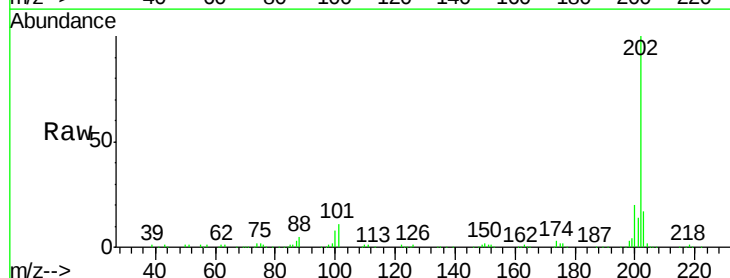
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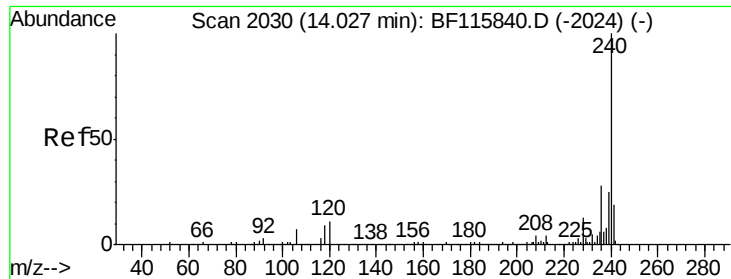
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#75
Fluoranthene
Concen: 9.117 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.2
203	17.1	0.0	37.8





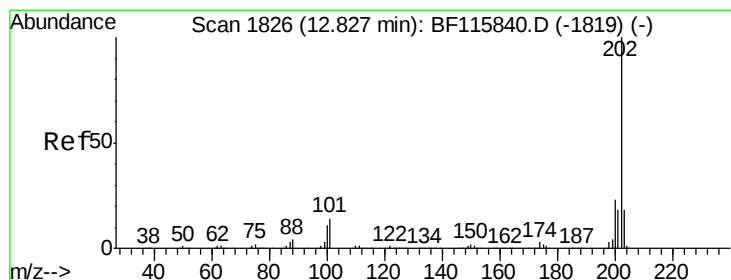
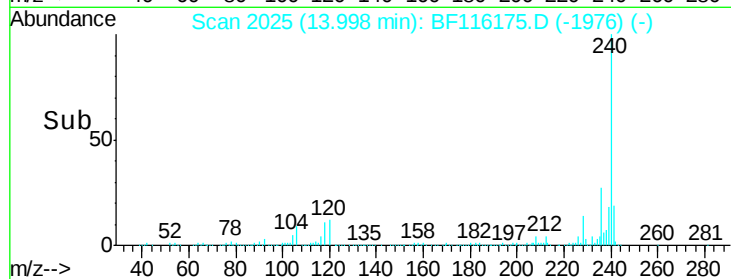
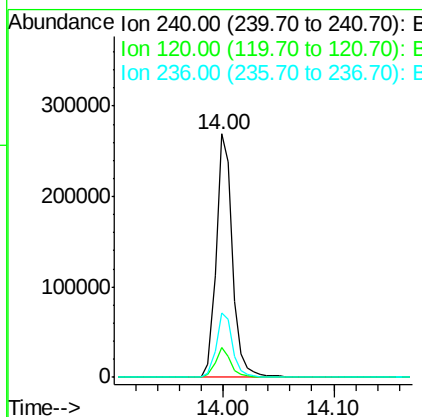
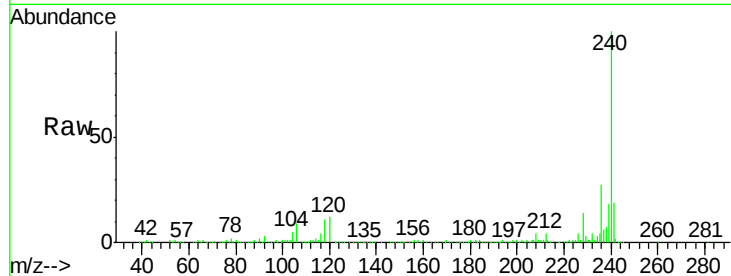
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Instrument :
BNA_F
ClientSampleId :
CP-MW1-E-12-16-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	273513		
120	12.4	10.7	16.1	
236	26.5	22.2	33.2	

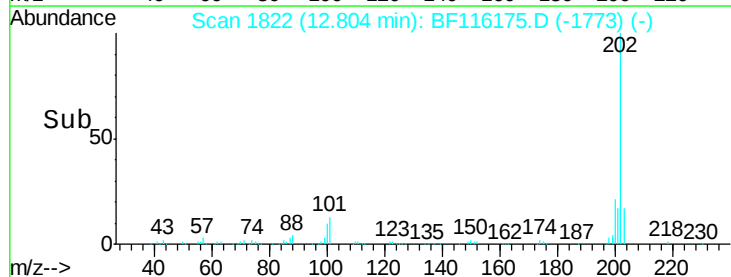
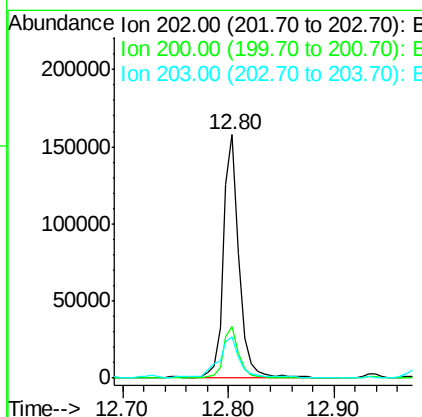
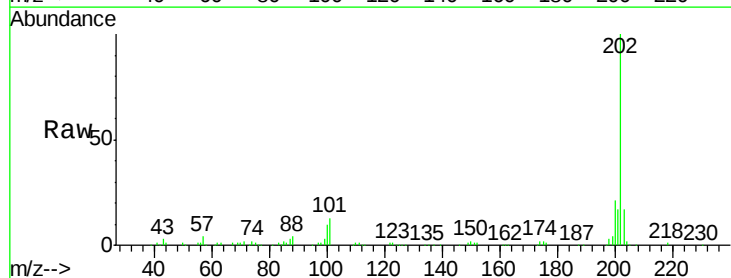
Manual Integrations
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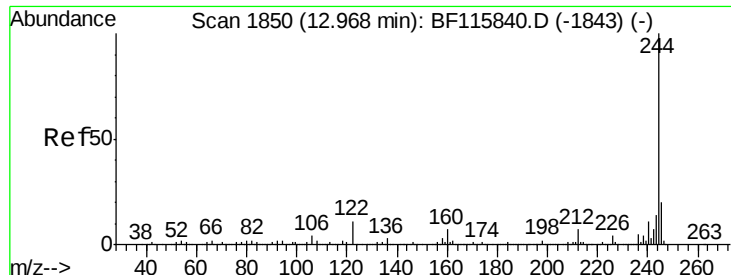
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#78
Pyrene
Concen: 7.776 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	160319		
200	21.1	18.0	27.0	
203	17.1	14.1	21.1	





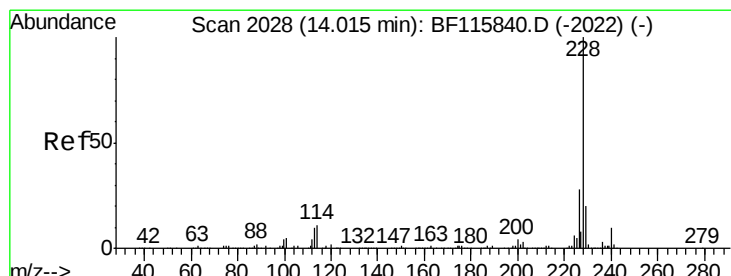
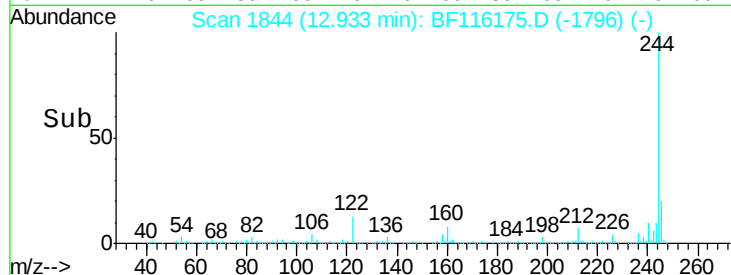
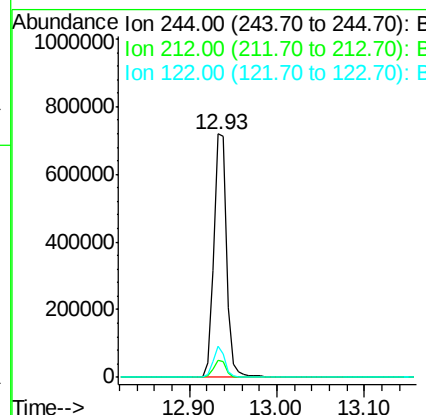
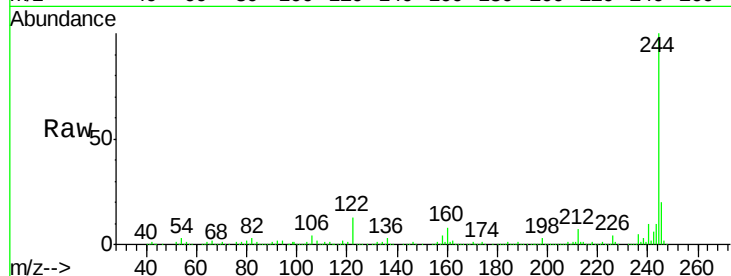
#79
 Terphenyl-d14
 Concen: 56.841 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF116175.D
 Acq: 11 Aug 2019 4:58

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW1-E-12-16-SOIL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	12.6	9.0	13.4

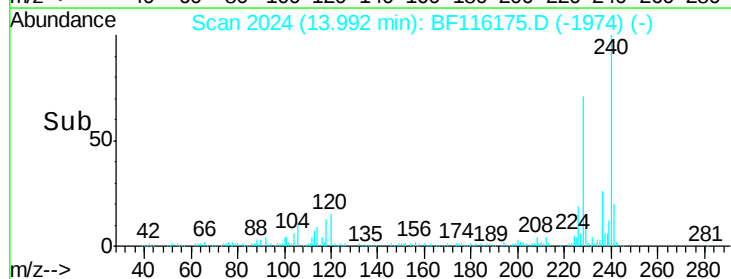
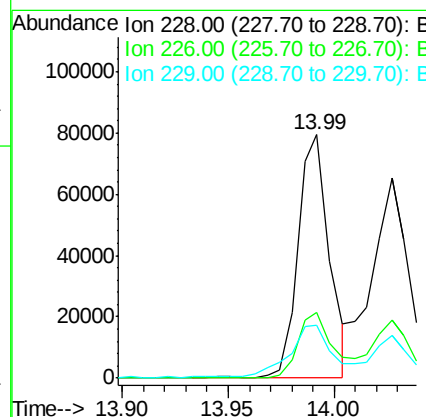
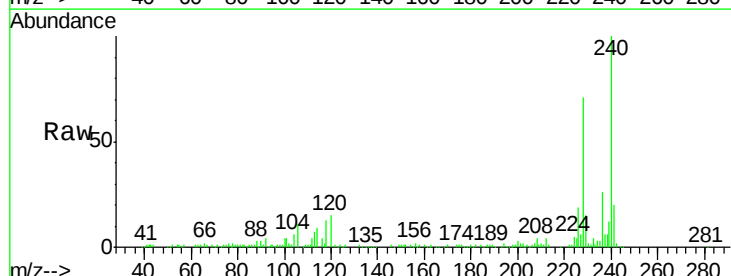
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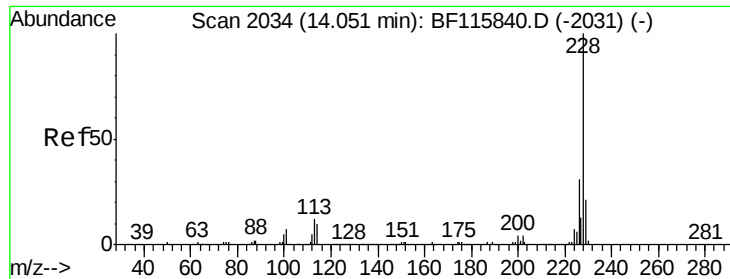
mohammad
 8/14/2019 2:55:13 AM



#81
 Benzo(a)anthracene
 Concen: 4.691 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116175.D
 Acq: 11 Aug 2019 4:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.7	34.1
229	21.7	16.2	24.4





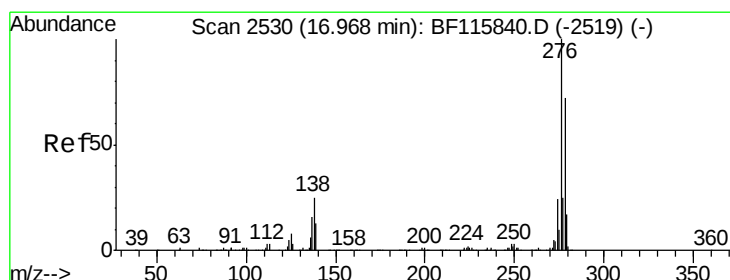
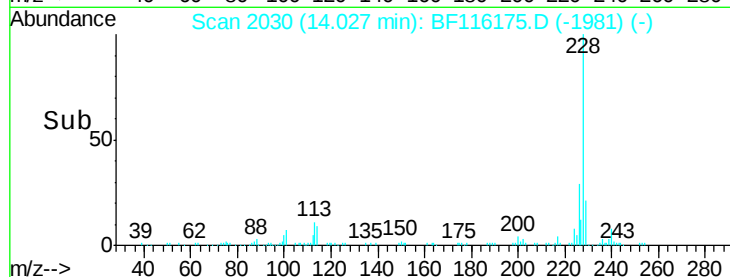
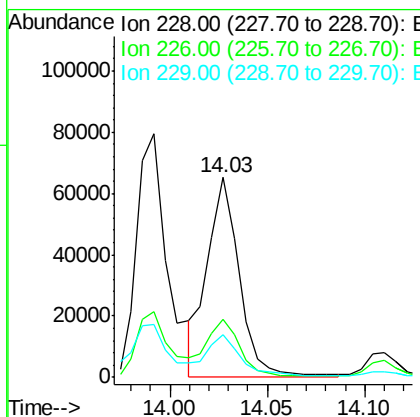
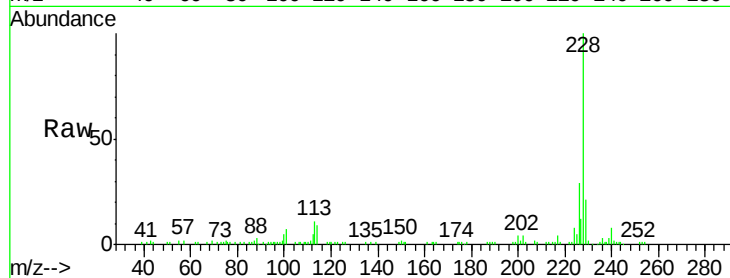
#83
Chrysene
Concen: 4.377 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Instrument :
BNA_F
ClientSampleId :
CP-MW1-E-12-16-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.5	38.3
229	21.4	16.6	24.8

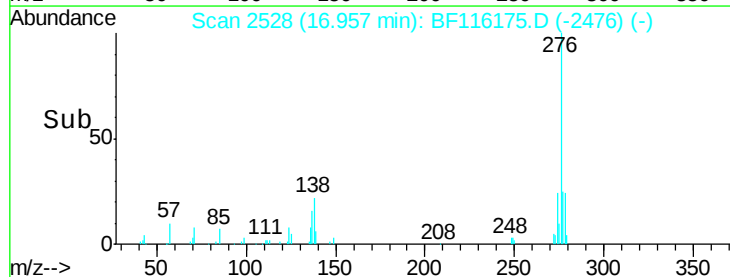
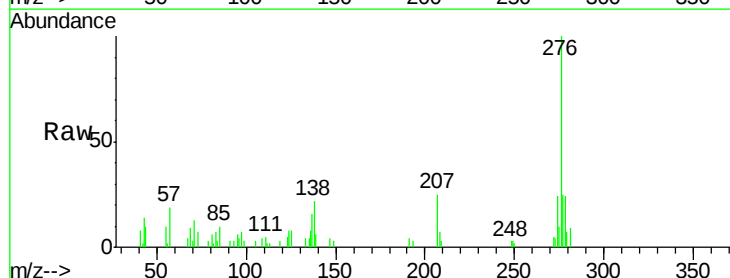
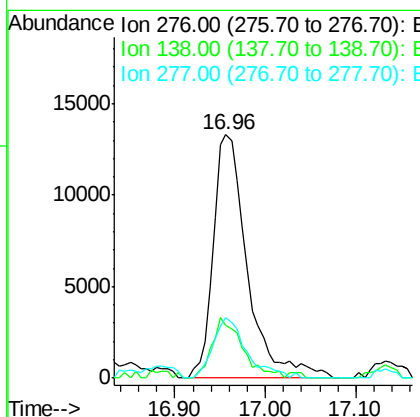
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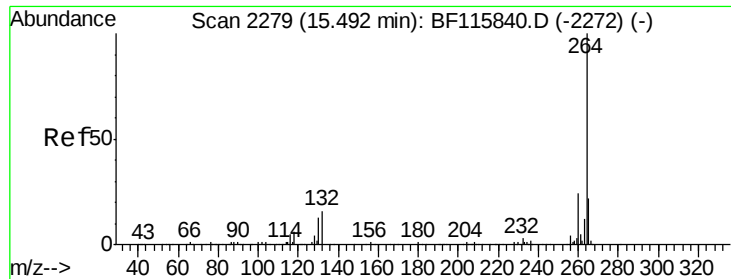
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.437 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	20.4	30.6
277	24.3	20.0	30.0





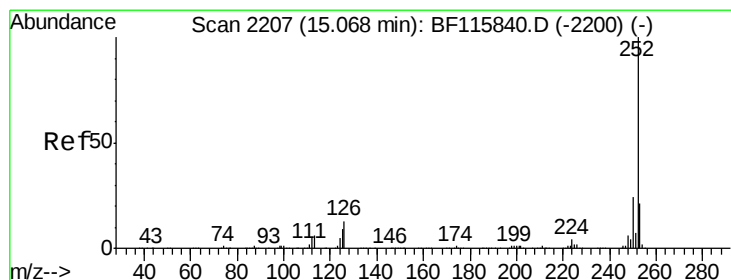
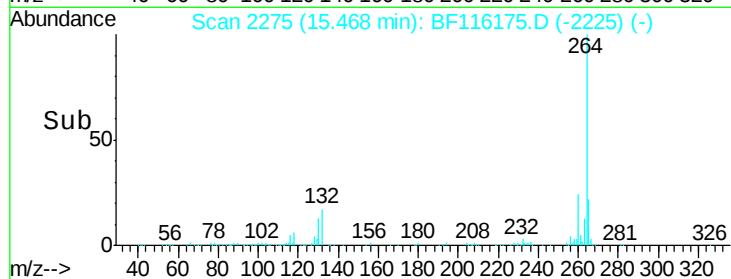
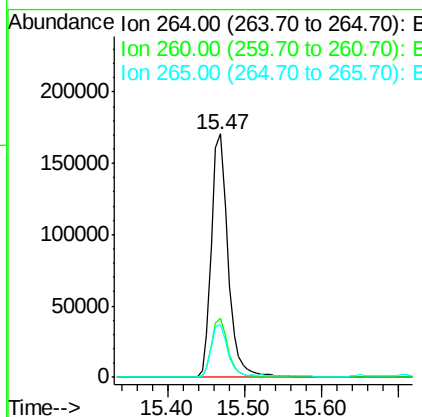
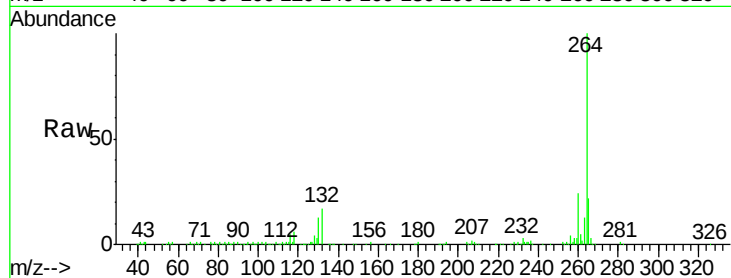
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Instrument :
BNA_F
ClientSampleId :
CP-MW1-E-12-16-SOIL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	21.7	17.4	26.0

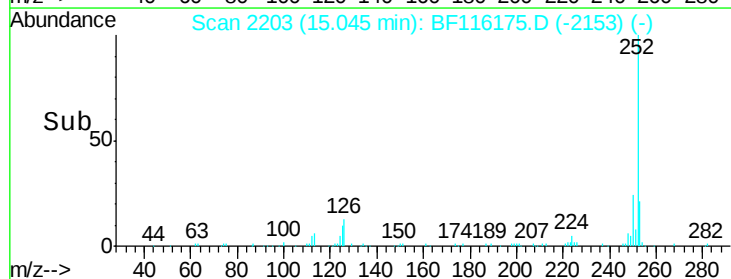
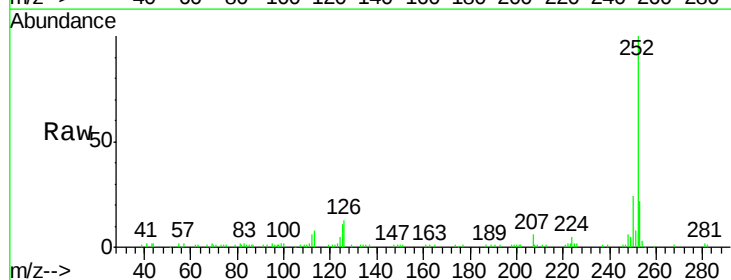
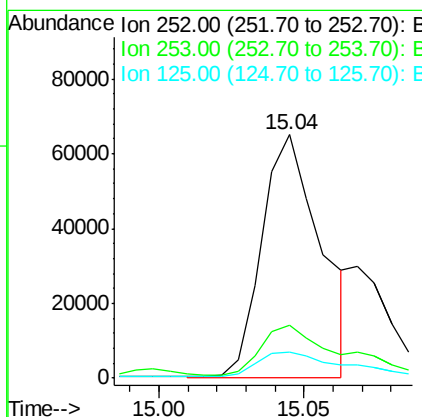
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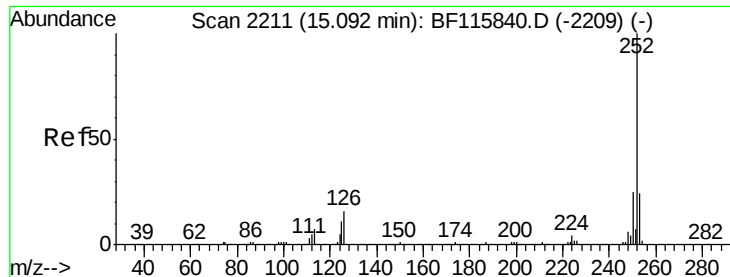
mohammad
8/14/2019 2:55:13 AM



#88
Benzo(b)fluoranthene
Concen: 6.235 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	10.9	8.4	12.6





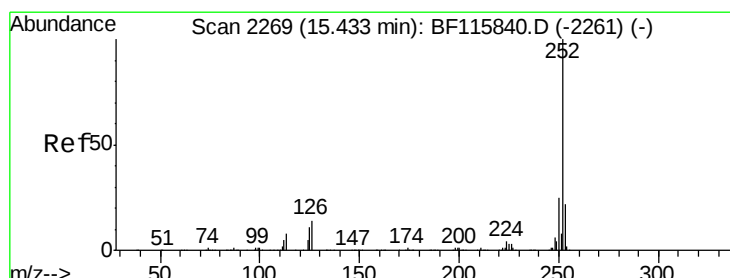
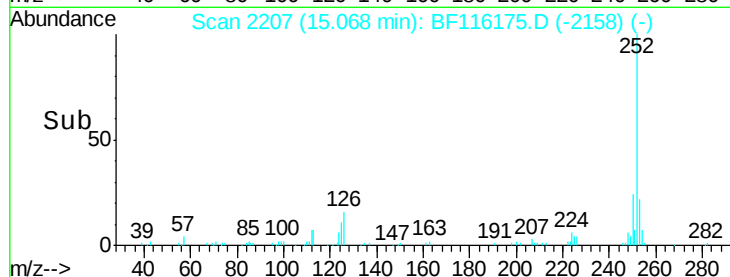
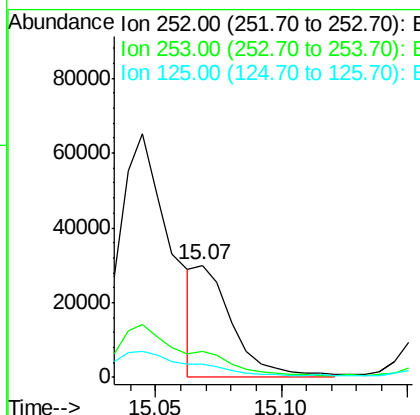
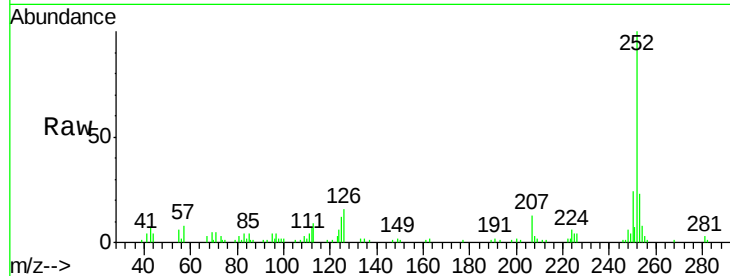
#89
Benzo(k)fluoranthene
Concen: 2.147 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Instrument :
BNA_F
ClientSampleId :
CP-MW1-E-12-16-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	11.8	7.7	11.5

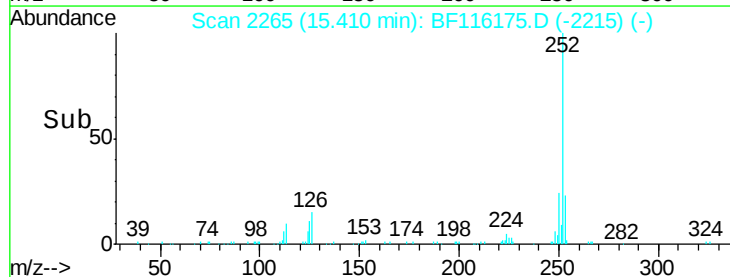
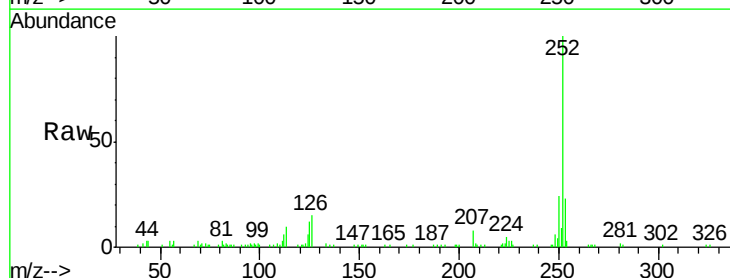
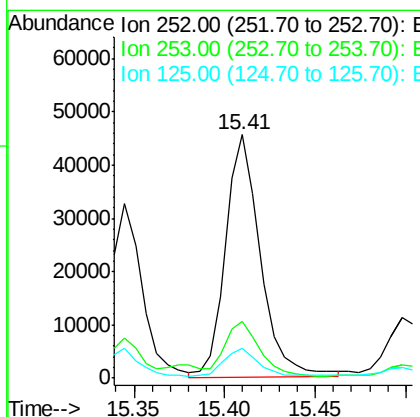
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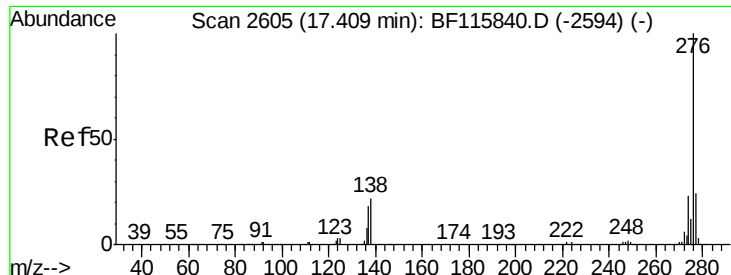
mohammad
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#90
Benzo(a)pyrene
Concen: 4.614 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	12.2	8.9	13.3





#92
 Benzo(a,h,i)perylene
 Concen: 2.691 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. 0.02 min
 Lab File: BF116175.D
 Acq: 11 Aug 2019 4:58

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW1-E-12-16-SOIL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
30202	276	100			
	277	24.7		18.4	27.6
	138	23.5		17.0	25.6

Manual Integrations
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mohammad
 8/14/2019 2:55:13 AM

