

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116180.D
 Acq On : 11 Aug 2019 7:11
 Operator : HP/JU
 Sample : K4165-04 2X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW4-W-8-10-SOIL

Manual Integrations
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Quant Time: Aug 12 04:43:51 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	150381	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	586039	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	278557	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	412903	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	297231	20.00	ng	0.00
87) Perylene-d12	15.47	264	266015	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	350967	39.07	ng	0.00
7) Phenol-d6	6.47	99	470210	41.49	ng	-0.02
23) Nitrobenzene-d5	7.40	82	295322	29.09	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	84432	31.26	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	553049	37.19	ng	-0.02
79) Terphenyl-d14	12.93	244	439882	31.18	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.59	163	95153	5.017	ng	99
71) Phenanthrene	11.38	178	67323	3.189	ng	96
75) Fluoranthene	12.57	202	81446	3.686	ng	98
78) Pyrene	12.80	202	89759	4.006	ng	99
83) Chrysene	14.03	228	37448	2.030	ng	97
88) Benzo(b)fluoranthene	15.05	252	37795m	2.457	ng	

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

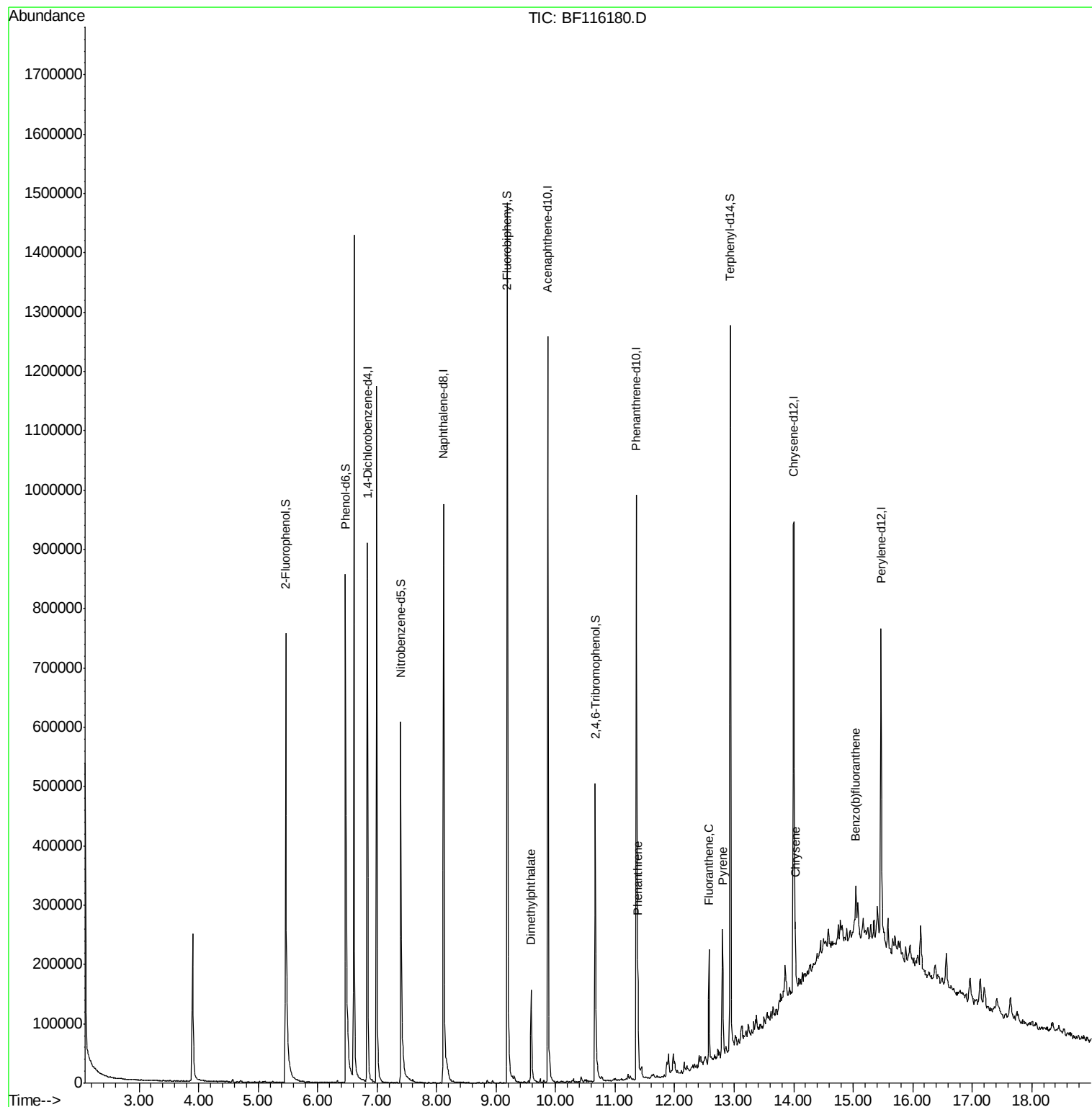
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
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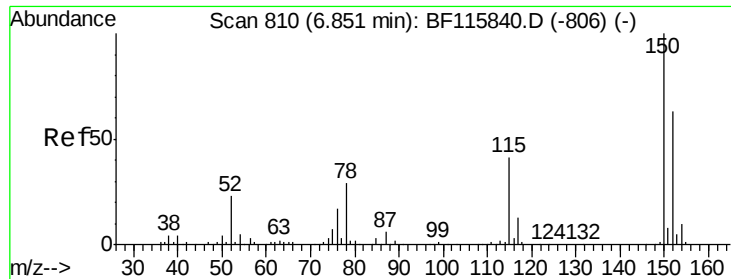
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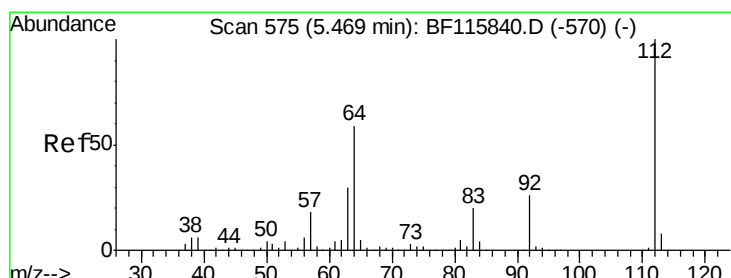
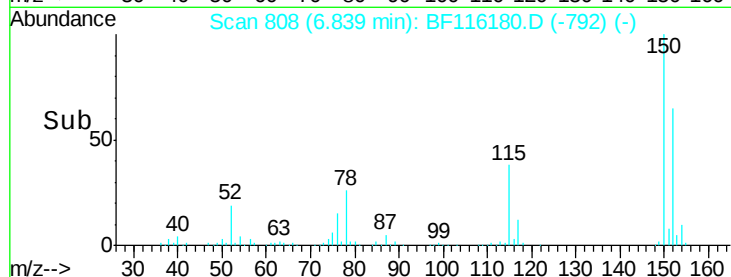
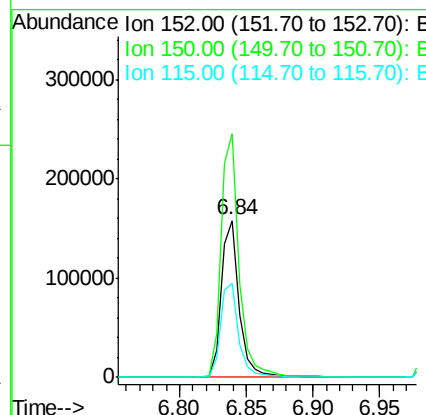
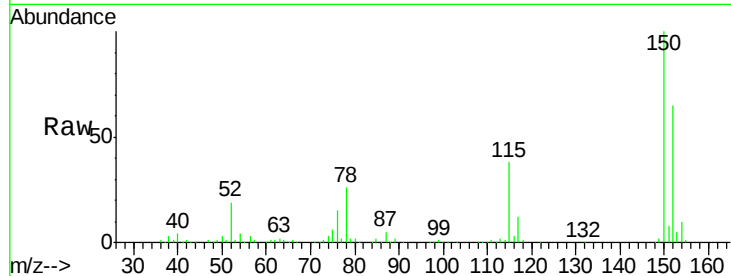
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF116180.D
 Acq: 11 Aug 2019 7:11

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.2	189.2
115	59.6	49.9	74.9

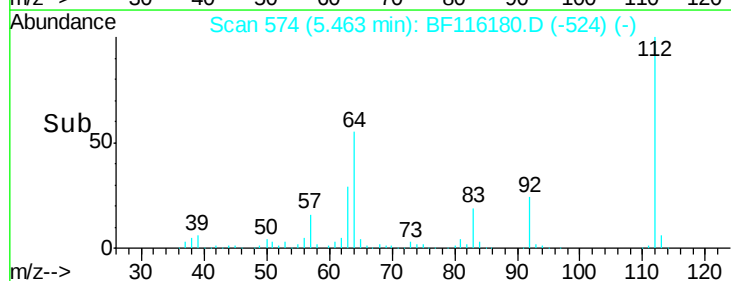
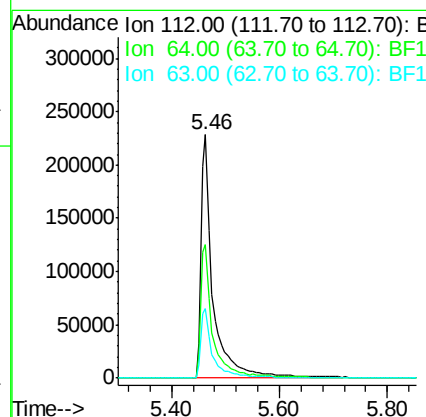
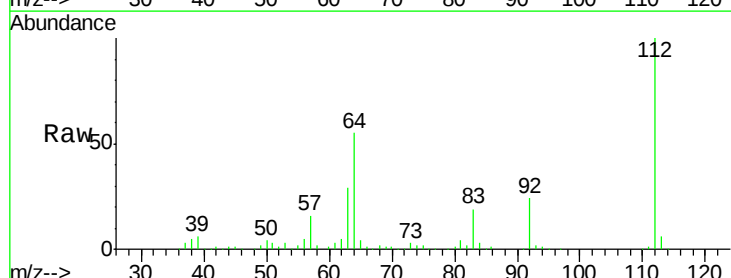
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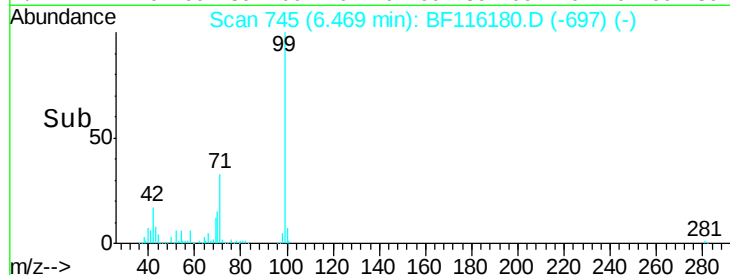
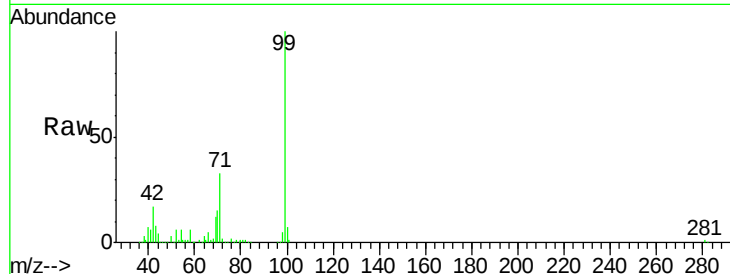
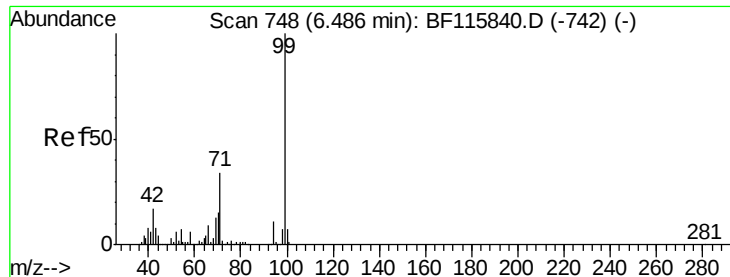
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#5
 2-Fluorophenol
 Concen: 39.070 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF116180.D
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Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	45.4	68.2
63	28.7	23.7	35.5





#7

Phenol-d6

Concen: 41.488 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

Tot Ion:	99	Resp:	470210
Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.8	20.8
71	32.9	27.3	40.9

Instrument :

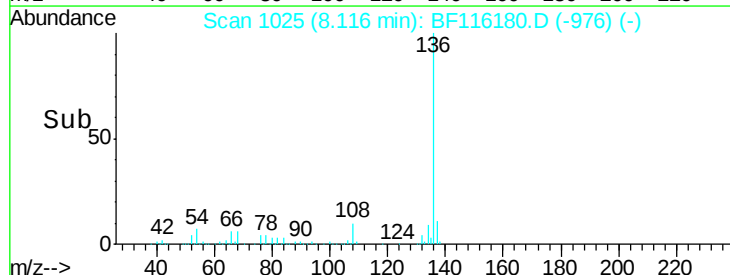
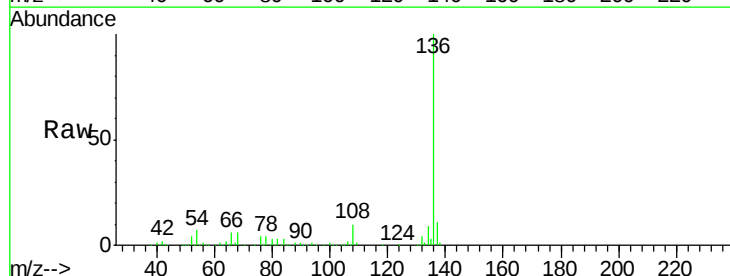
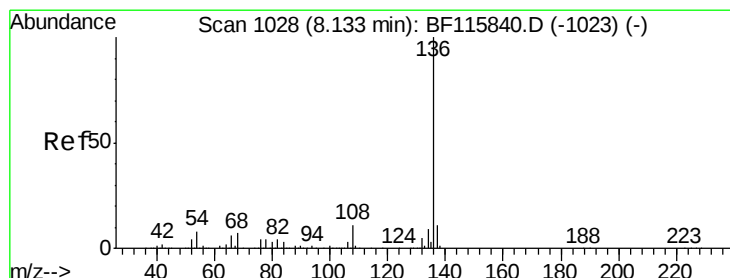
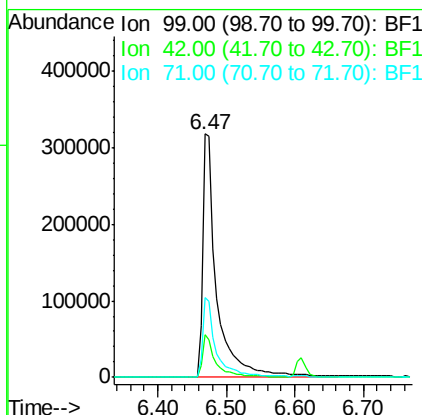
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

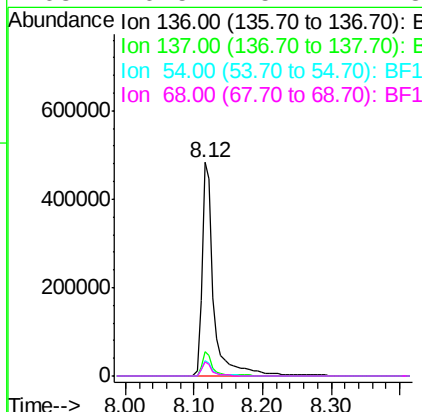
RT: 8.12 min Scan# 1025

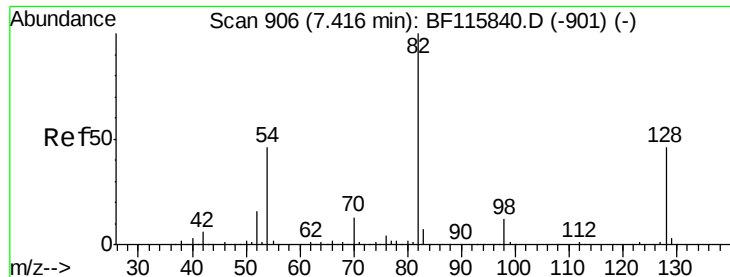
Delta R.T. -0.01 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

Tgt Ion:	136	Resp:	586039
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.3	5.8	8.6
68	6.5	5.2	7.8





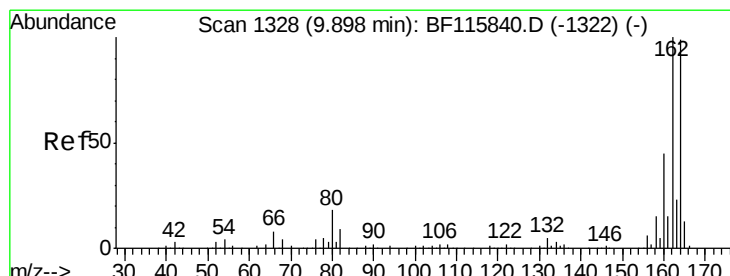
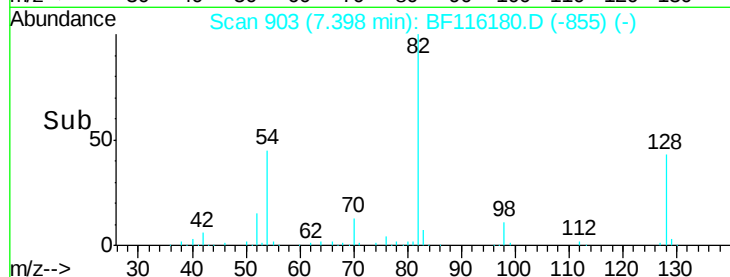
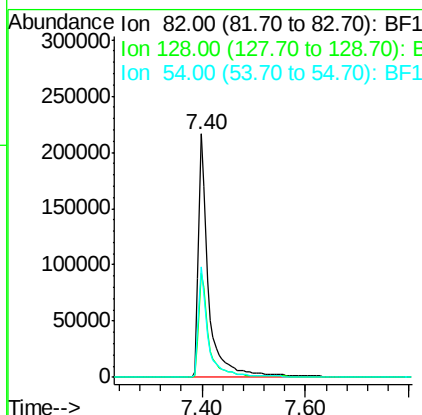
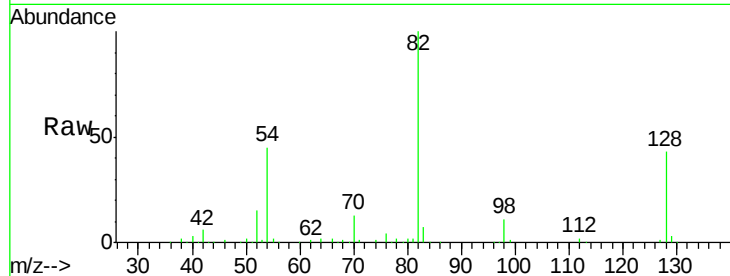
#23
Nitrobenzene-d5
Concen: 29.088 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116180.D
Acq: 11 Aug 2019 7:11

Instrument :
BNA_F
ClientSampleId :
CP-MW4-W-8-10-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	295322		
128	42.9	36.5	54.7	
54	45.2	36.0	54.0	

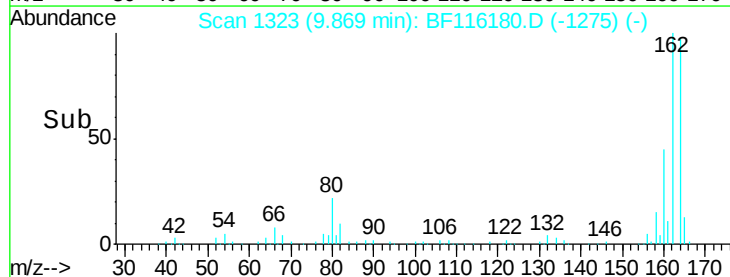
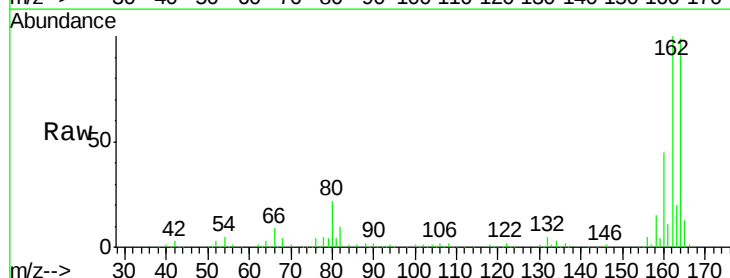
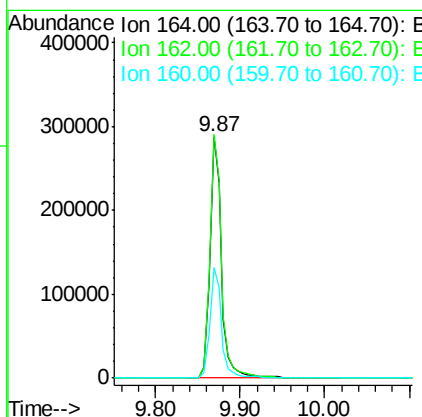
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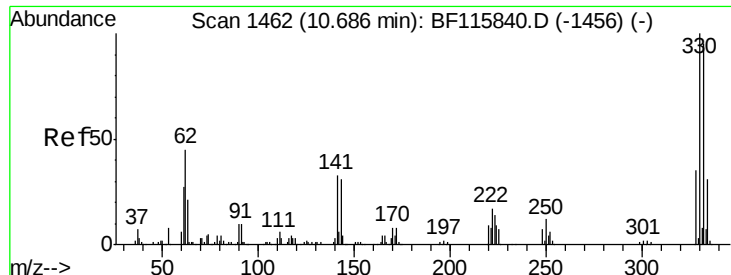
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116180.D
Acq: 11 Aug 2019 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	278557		
162	100.9	82.6	124.0	
160	45.7	37.6	56.4	





#42

2,4,6-Tribromophenol

Concen: 31.263 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

Instrument :

BNA_F

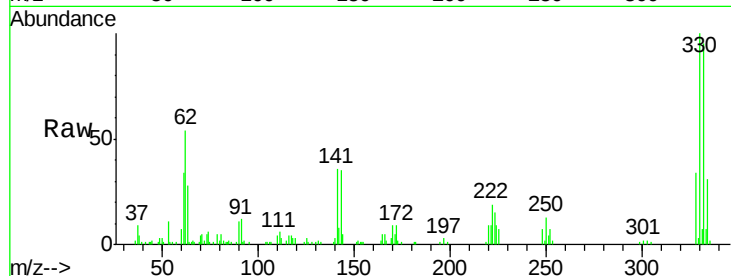
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CP-MW4-W-8-10-SOIL

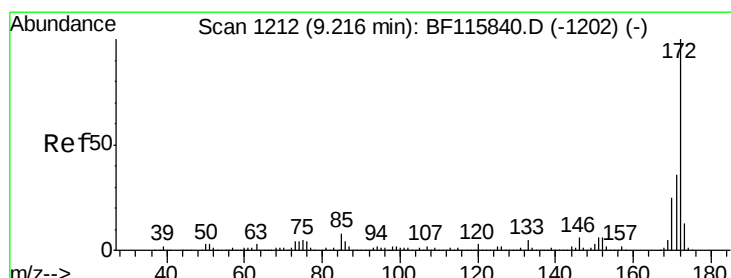
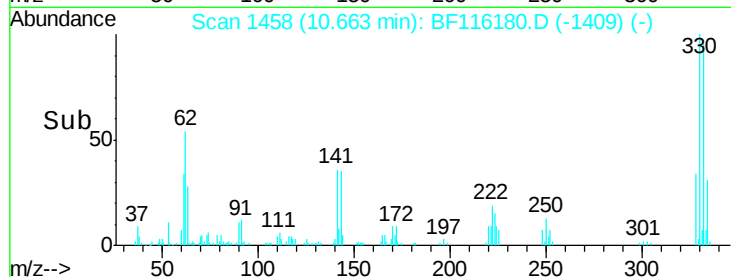
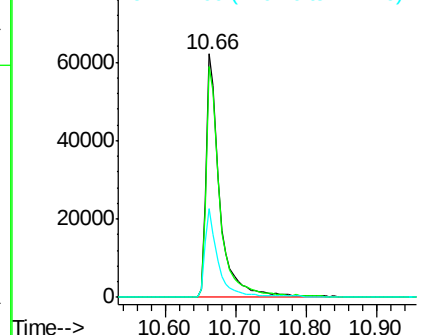
Tot Ion:	330	Resp:	84432
Ion Ratio	Lower	Upper	
330	100		
332	95.7	76.8	115.2
141	35.9	26.3	39.5

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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: 37.188 ng

RT: 9.19 min Scan# 1207

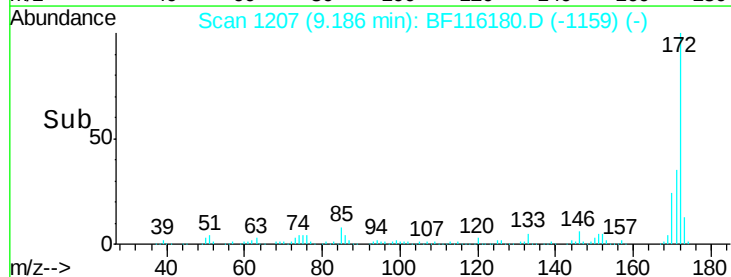
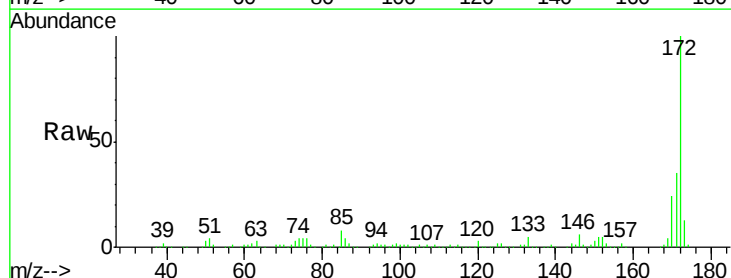
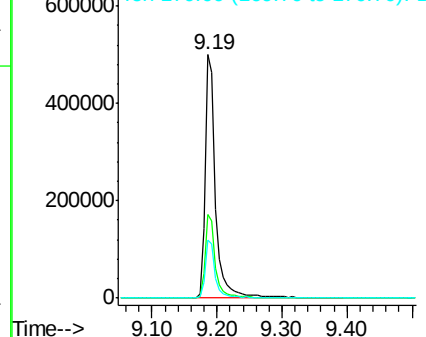
Delta R.T. -0.02 min

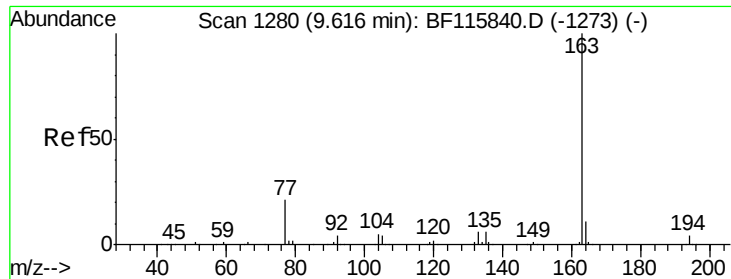
Lab File: BF116180.D

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Tgt Ion:	172	Resp:	553049
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.6	44.4
170	23.9	20.1	30.1

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





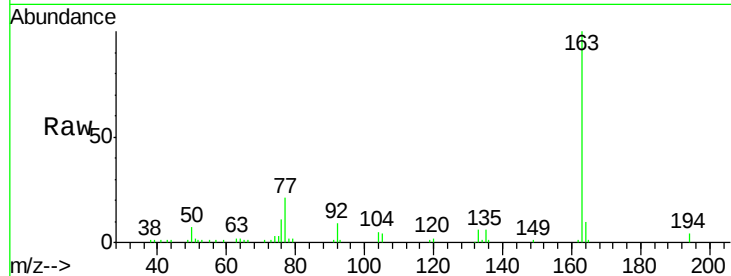
#50
Dimethylphthalate
Concen: 5.017 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116180.D
Acq: 11 Aug 2019 7:11

Instrument :
BNA_F
ClientSampleId :
CP-MW4-W-8-10-SOIL

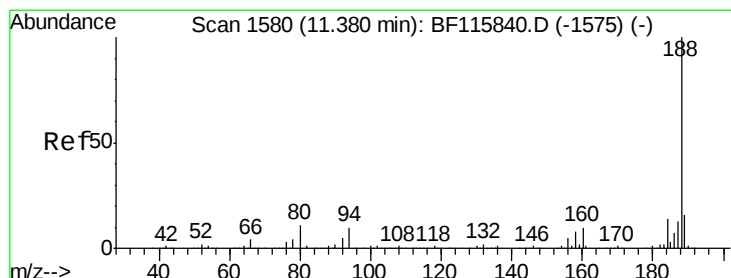
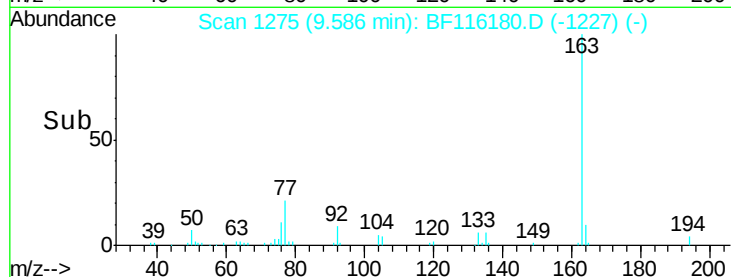
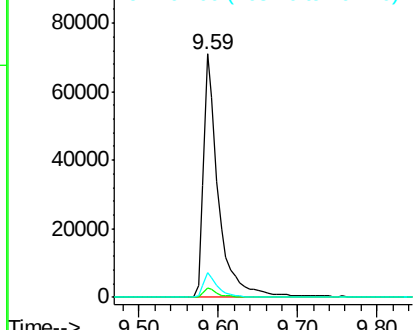
Tot Ion	Ratio	Resp	Lower	Upper
163	100	95153		
194	3.7		3.0	4.6
164	9.9		8.4	12.6

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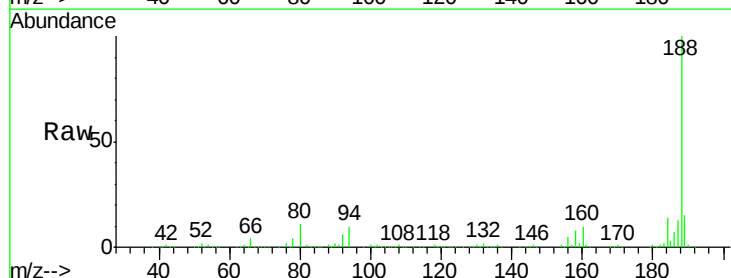


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

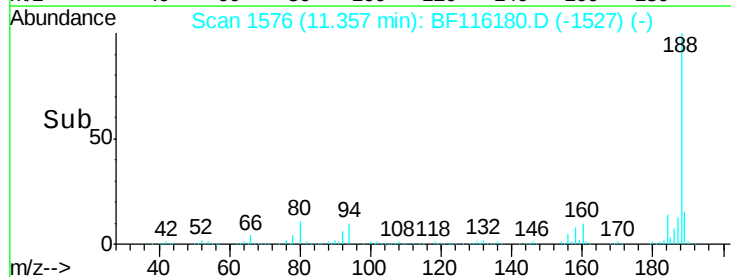
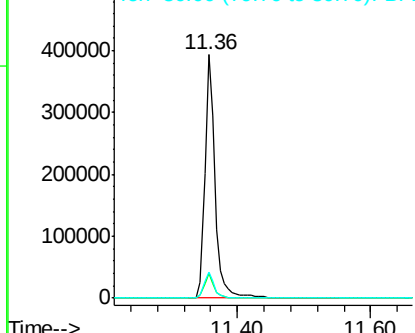


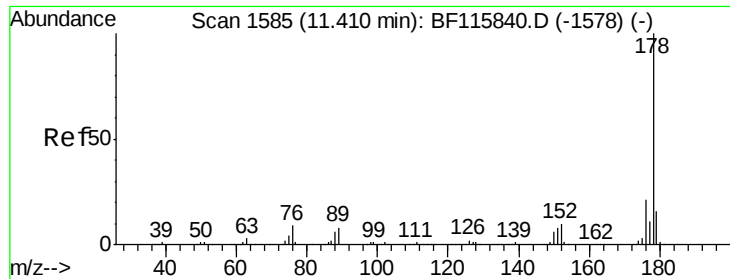
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116180.D
Acq: 11 Aug 2019 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	412903		
94	10.0		8.1	12.1
80	10.8		8.7	13.1



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





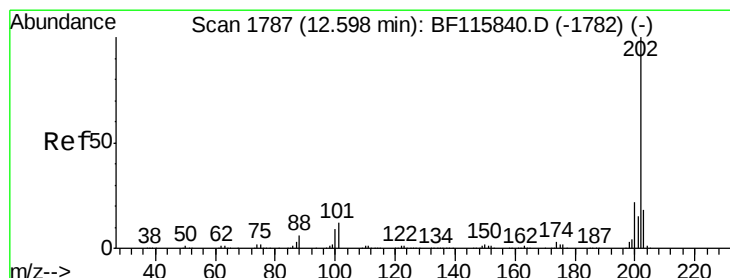
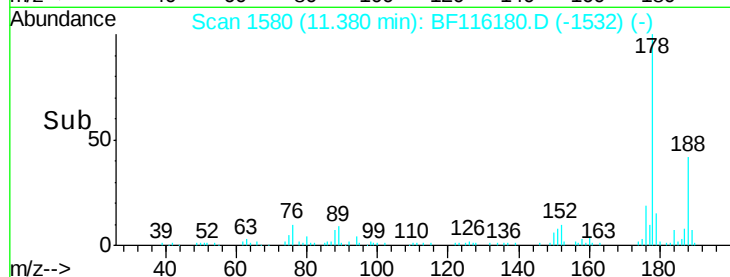
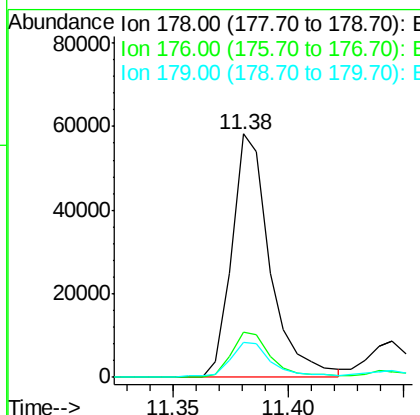
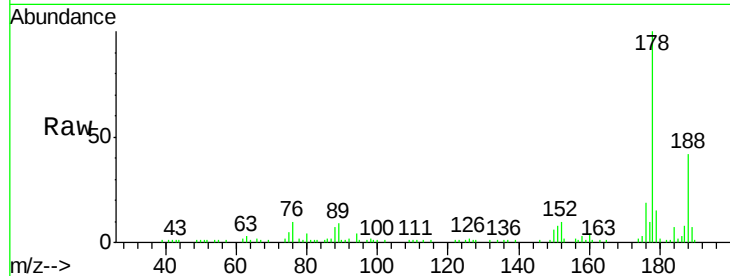
#71
Phenanthrene
Concen: 3.189 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF116180.D
Acq: 11 Aug 2019 7:11

Instrument :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.6	24.8
179	14.5	12.5	18.7

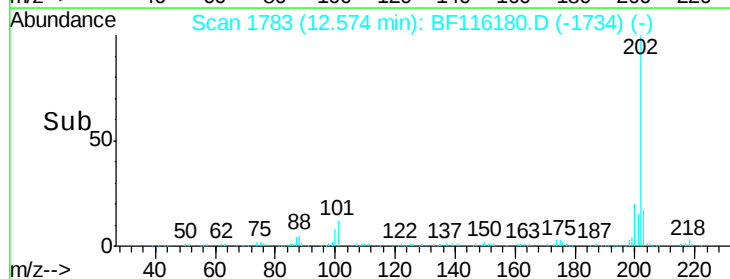
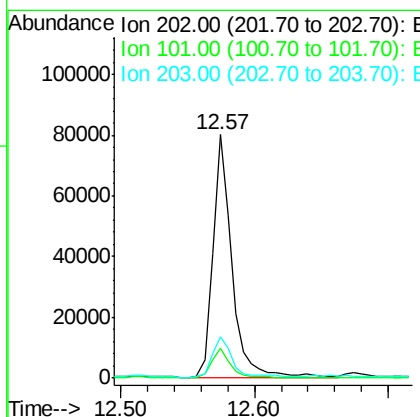
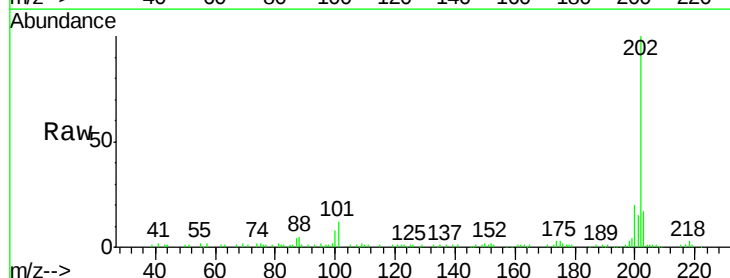
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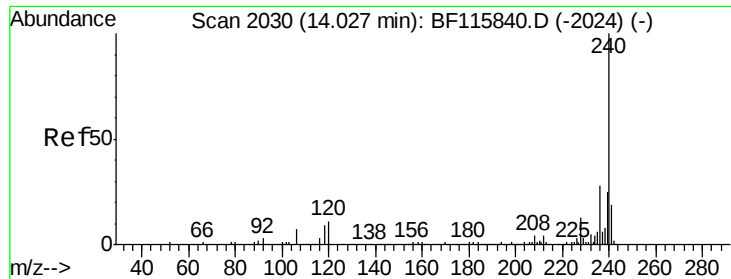
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#75
Fluoranthene
Concen: 3.686 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF116180.D
Acq: 11 Aug 2019 7:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	31.2
203	16.9	0.0	37.8





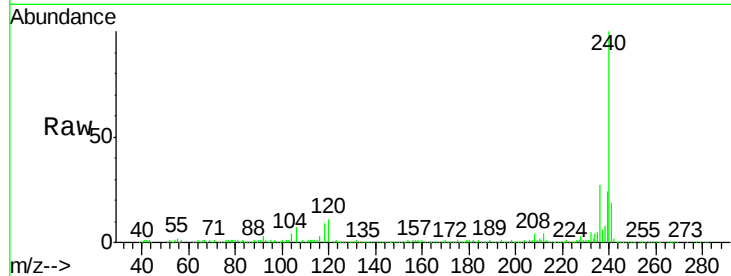
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116180.D
Acq: 11 Aug 2019 7:11

Instrument :
BNA_F
ClientSampleId :
CP-MW4-W-8-10-SOIL

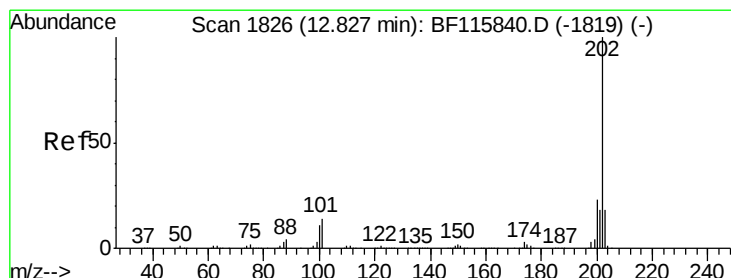
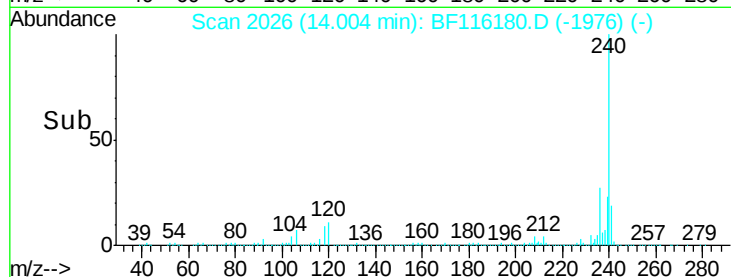
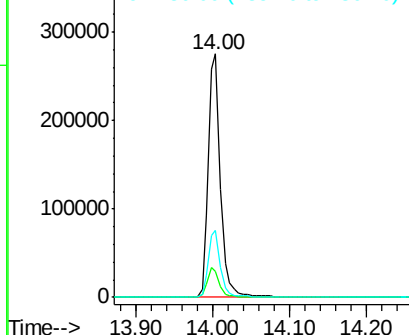
Tot Ion	Ratio	Resp	Lower	Upper
240	100	297231		
120	10.7	10.7	16.1	
236	27.4	22.2	33.2	

Manual Integrations
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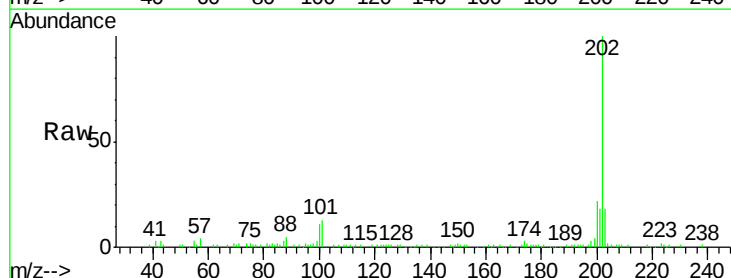


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

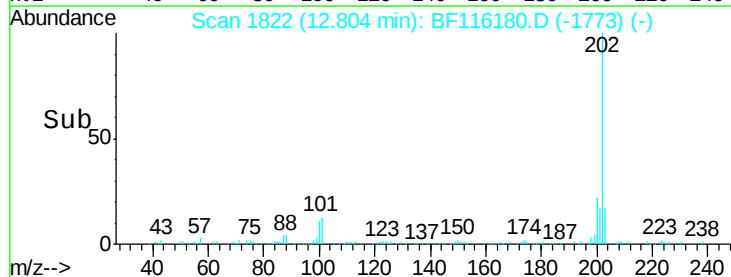
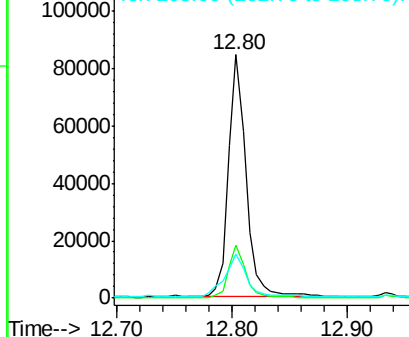


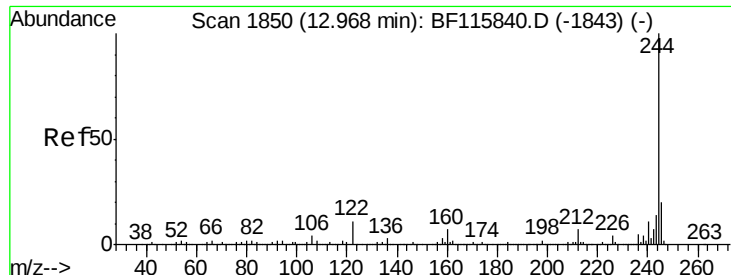
#78
Pyrene
Concen: 4.006 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116180.D
Acq: 11 Aug 2019 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	89759		
200	21.7	18.0	27.0	
203	18.2	14.1	21.1	



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





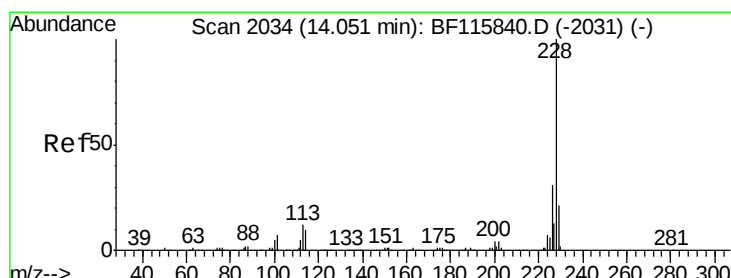
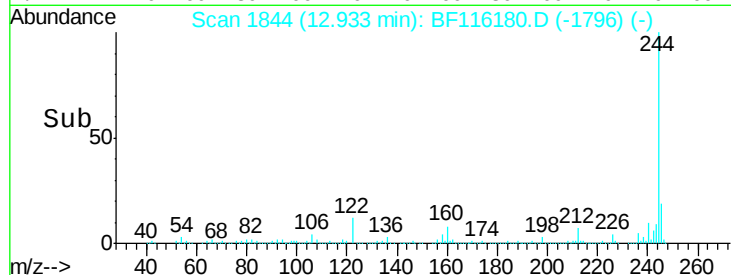
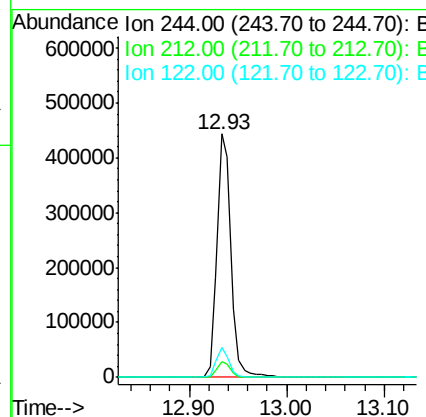
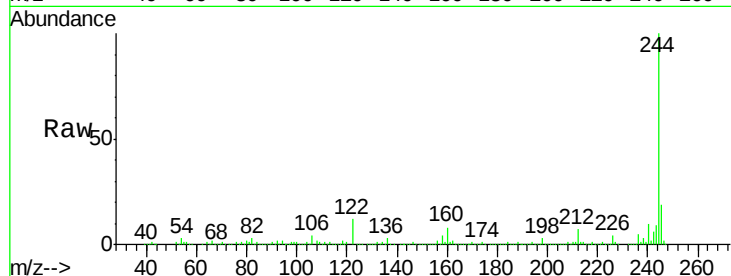
#79
 Terphenyl-d14
 Concen: 31.185 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF116180.D
 Acq: 11 Aug 2019 7:11

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW4-W-8-10-SOIL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	12.2	9.0	13.4

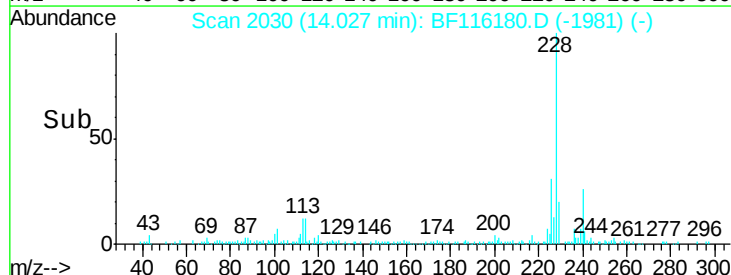
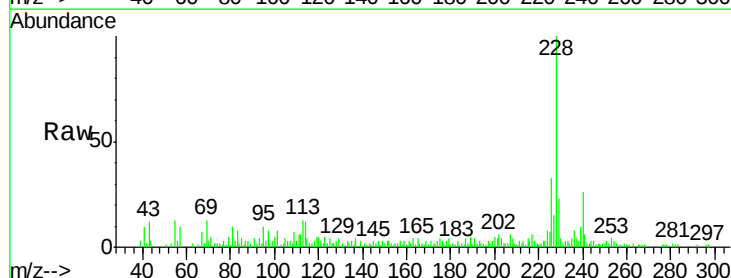
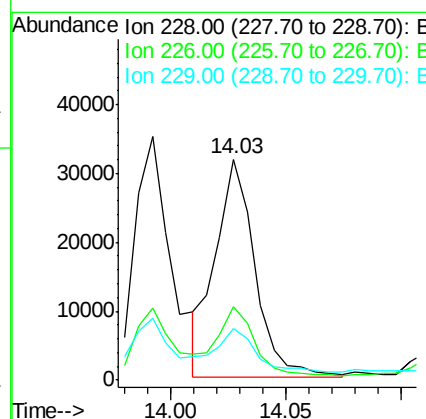
Manual Integrations
 APPROVED

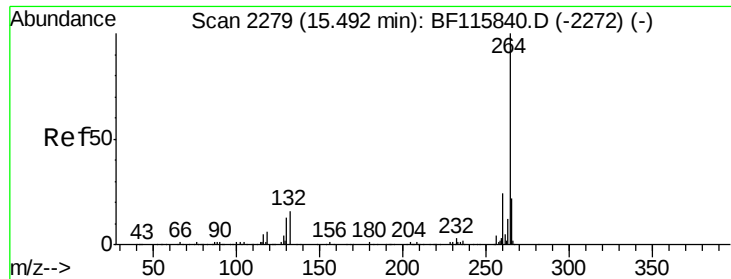
mohammad
 8/14/2019 2:55:28 AM



#83
 Chrysene
 Concen: 2.030 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF116180.D
 Acq: 11 Aug 2019 7:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	25.5	38.3
229	23.3	16.6	24.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

Instrument :

BNA_F

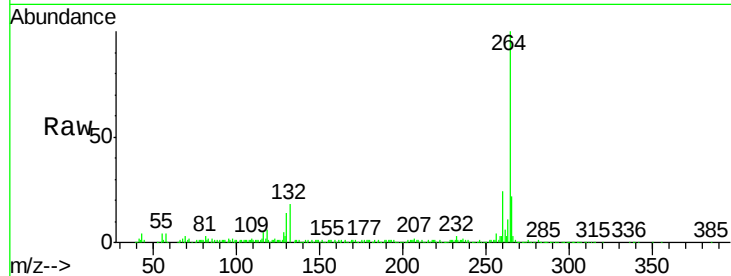
ClientSampled :

CP-MW4-W-8-10-SOIL

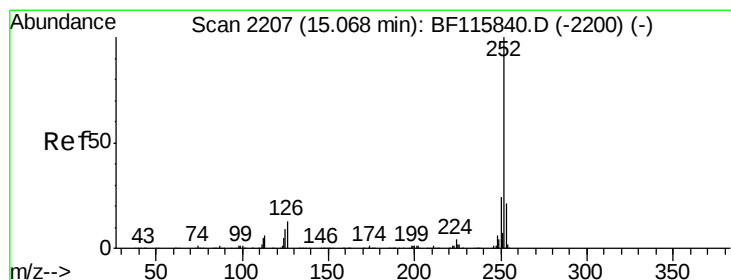
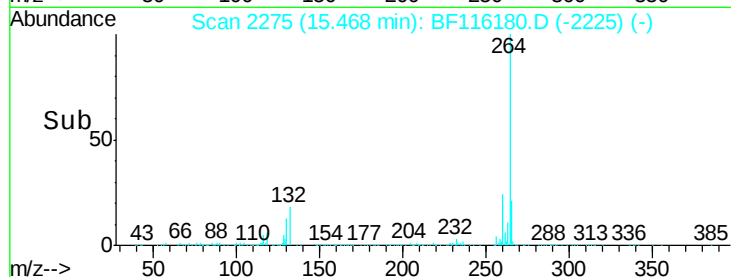
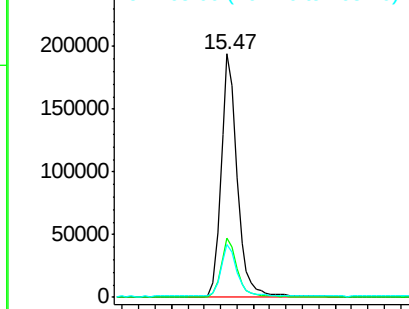
Tot Ion:	264	Resp:	266015
Ion Ratio		Lower	Upper
264	100		
260	24.2	19.7	29.5
265	21.6	17.4	26.0

Manual Integrations
APPROVED

mohammad
8/14/2019 2:55:28 AM



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



#88

Benzo(b)fluoranthene

Concen: 2.457 ng m

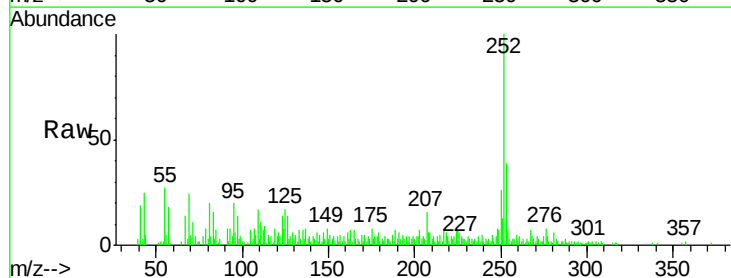
RT: 15.05 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BF116180.D

Acq: 11 Aug 2019 7:11

Tgt Ion:	252	Resp:	37795
Ion Ratio		Lower	Upper
252	100		
253	38.7	17.8	26.8#
125	17.4	8.4	12.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

