

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
 Data File : BF114508.D
 Acq On : 23 May 2019 2:32
 Operator : JU/SJ
 Sample : K2978-06 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-SOIL

Manual Integrations
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mohammad
 5/24/2019 8:49:33 AM

Quant Time: May 23 04:47:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	202231	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	816623	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	368818	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	626036	20.00	ng	0.00
76) Chrysene-d12	14.00	240	409833	20.00	ng	0.00
87) Perylene-d12	15.47	264	414384	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	491722	39.13	ng	-0.01
7) Phenol-d6	6.47	99	661577	44.51	ng	-0.02
23) Nitrobenzene-d5	7.39	82	374632	25.75	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	127299	33.39	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	641944	26.33	ng	0.00
79) Terphenyl-d14	12.93	244	497607	25.03	ng	0.00
Target Compounds						
31) Naphthalene	8.13	128	76944	2.017	ng	99
49) Acenaphthylene	9.73	152	500478	13.723	ng	98
50) Dimethylphthalate	9.58	163	76201	2.814	ng	98
58) Fluorene	10.42	166	62501	2.466	ng	# 98
71) Phenanthrene	11.37	178	542378	17.808	ng	98
72) Anthracene	11.43	178	262515	8.581	ng	97
75) Fluoranthene	12.57	202	2245575	68.465	ng	98
78) Pyrene	12.81	202	2798618	84.886	ng	99
81) Benzo(a)anthracene	14.00	228	1695288m	63.954	ng	
83) Chrysene	14.03	228	1435579	55.246	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	986945	42.976	ng	95
88) Benzo(b)fluoranthene	15.06	252	2165040m	81.552	ng	
89) Benzo(k)fluoranthene	15.07	252	768577m	31.516	ng	
90) Benzo(a)pyrene	15.42	252	1636812	70.056	ng	100
91) Dibenzo(a,h)anthracene	16.96	278	246320m	12.687	ng	
92) Benzo(g,h,i)perylene	17.41	276	1106414	56.866	ng	99

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

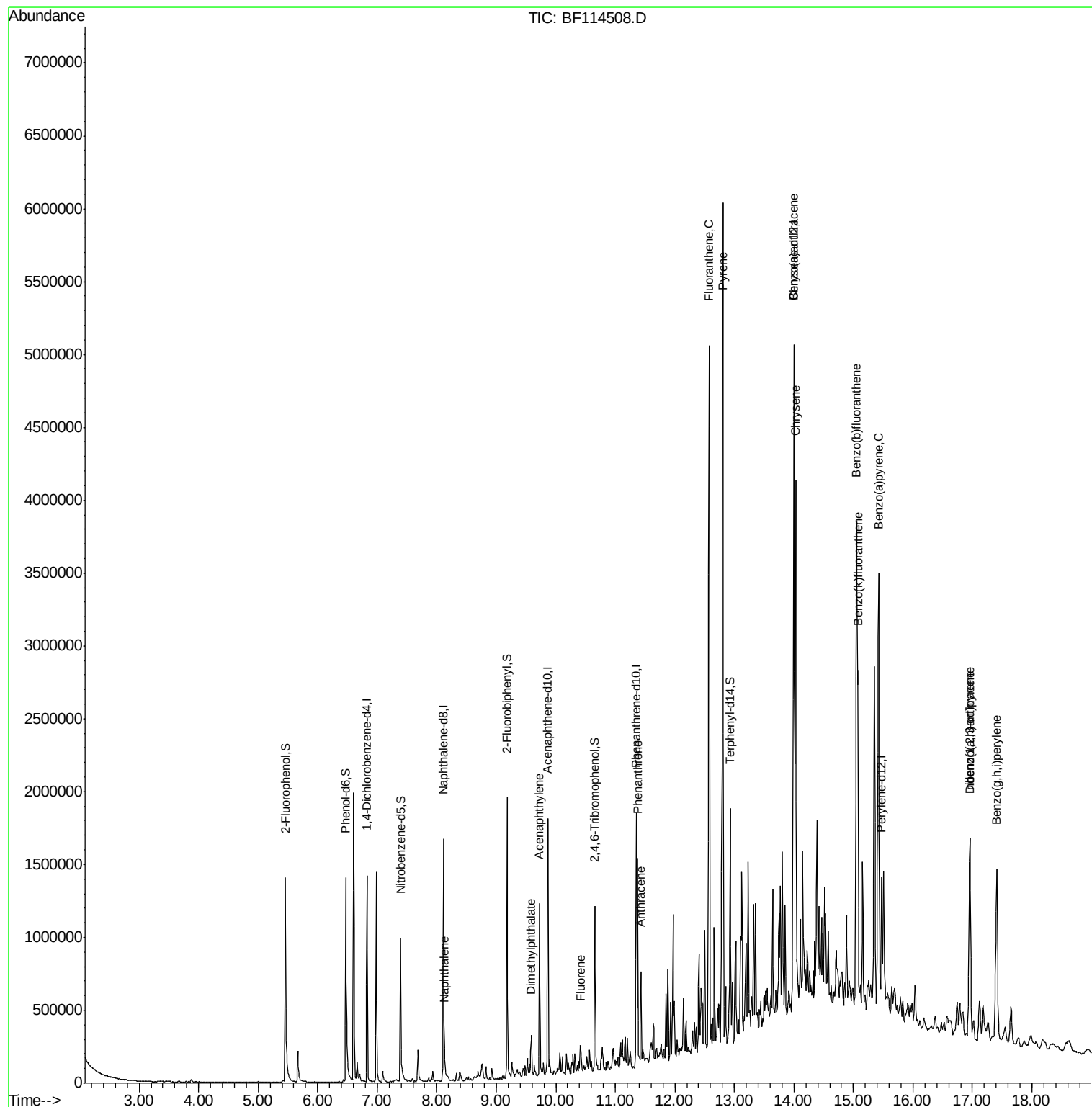
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114508.D
Acq On : 23 May 2019 2:32
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Sample : K2978-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

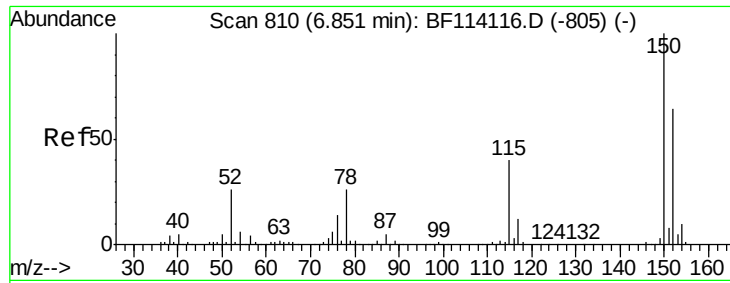
Instrument :
BNA_F
ClientSampleId :
TP-SOIL

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Quant Time: May 23 04:47:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 04:47:40 2019
Response via : Initial Calibration





#1

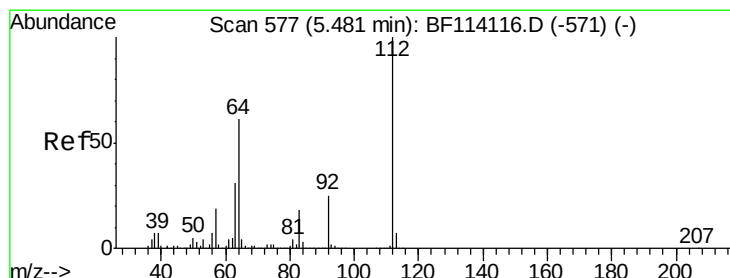
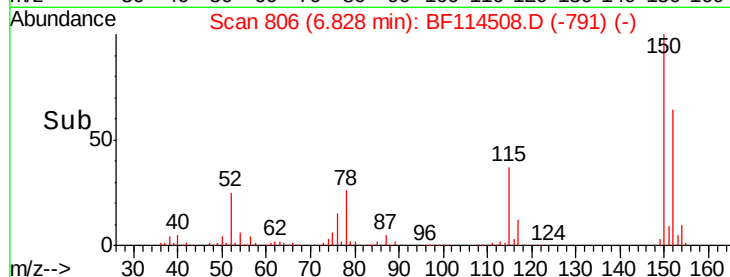
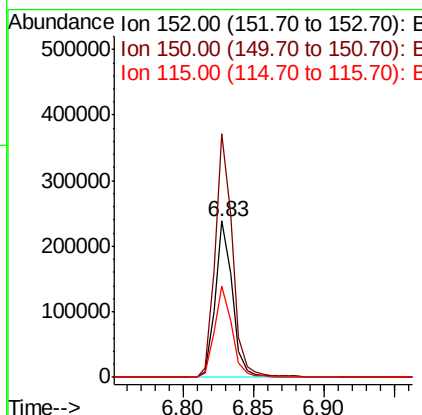
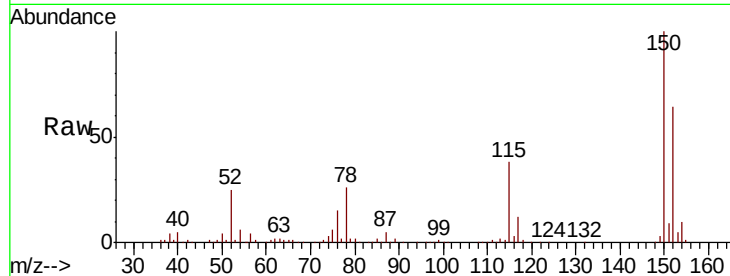
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114508.D
Acq: 23 May 2019 2:32

Instrument :
BNA_F
ClientSampleId :
TP-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.3	186.5
115	58.6	49.1	73.7

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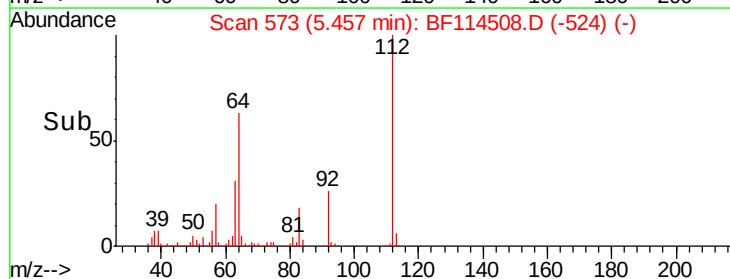
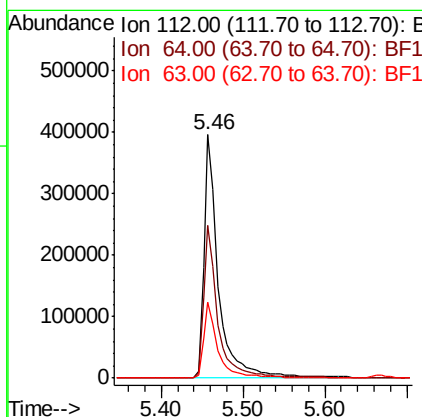
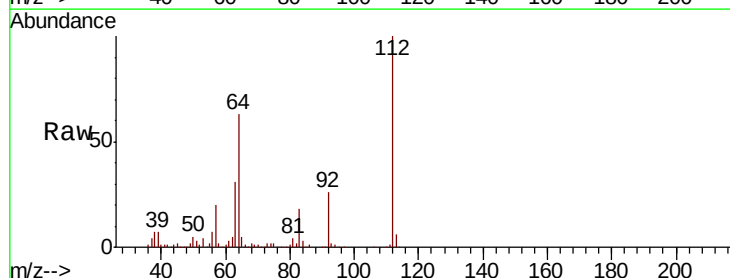
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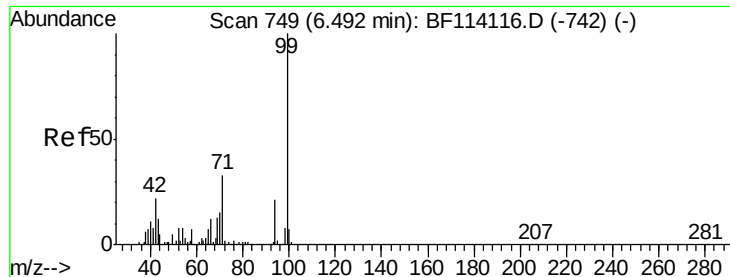


#5

2-Fluorophenol
Concen: 39.129 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF114508.D
Acq: 23 May 2019 2:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	49.0	73.6
63	31.0	24.6	37.0





#7

Phenol-d6

Concen: 44.512 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF114508.D

Acq: 23 May 2019 2:32

Instrument :

BNA_F

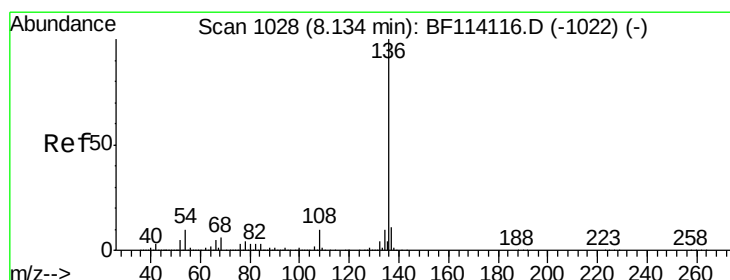
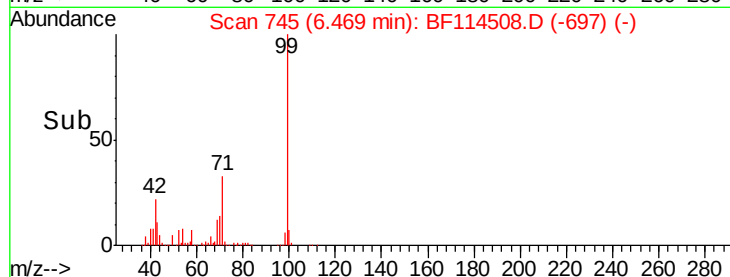
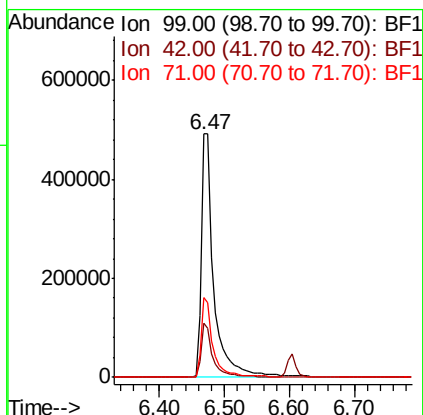
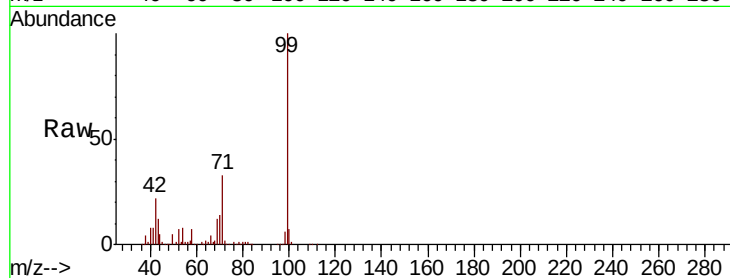
ClientSampled :

TP-SOIL

Tot Ion:	99	Resp:	661577
Ion Ratio	Lower	Upper	
99	100		
42	22.0	17.9	26.9
71	32.5	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

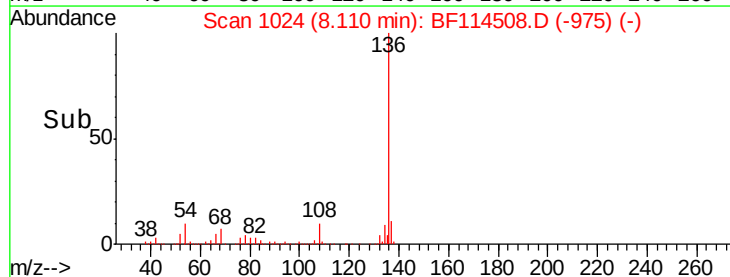
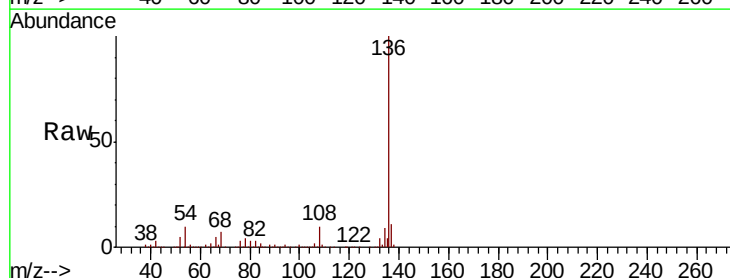
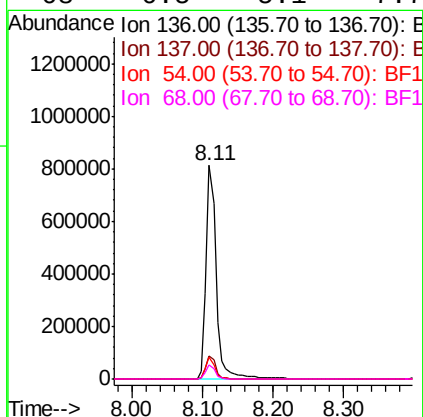
RT: 8.11 min Scan# 1024

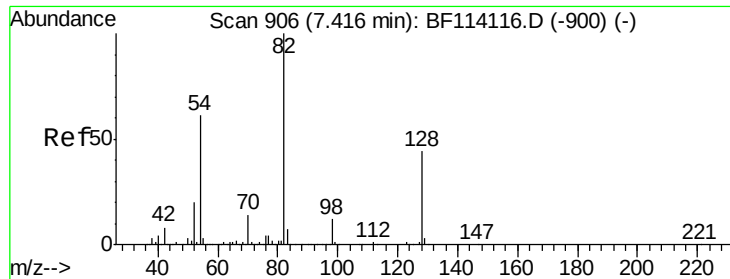
Delta R.T. -0.01 min

Lab File: BF114508.D

Acq: 23 May 2019 2:32

Tgt Ion:	136	Resp:	816623
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	10.0	7.8	11.8
68	6.5	5.1	7.7





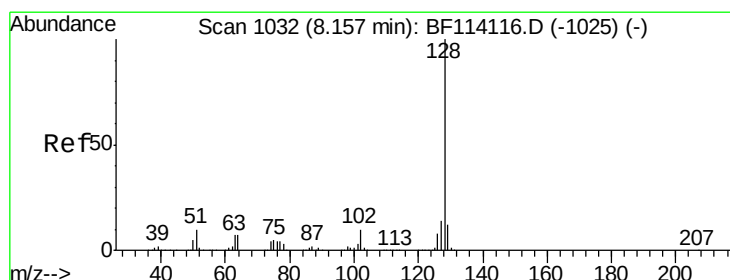
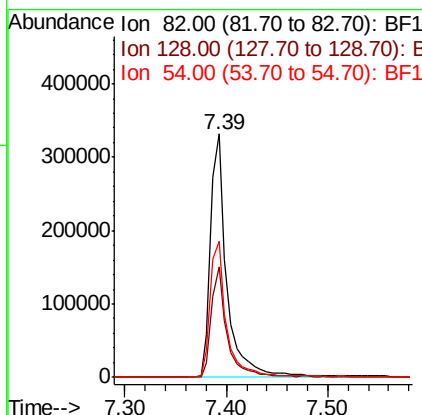
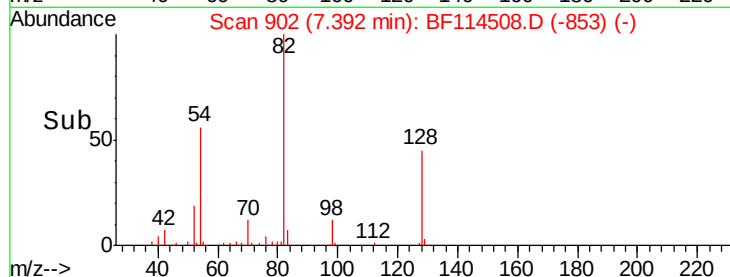
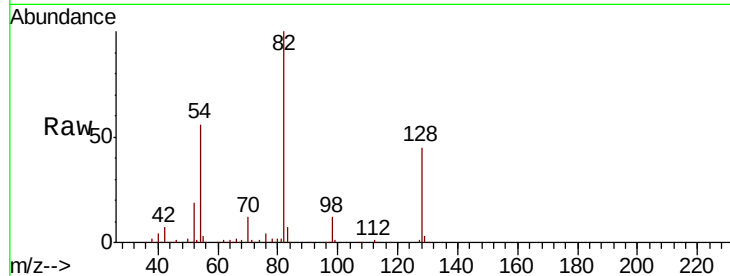
#23
 Nitrobenzene-d5
 Concen: 25.746 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF114508.D
 Acq: 23 May 2019 2:32

Instrument :
 BNA_F
 ClientSampled :
 TP-SOIL

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.5	53.3
54	55.9	48.5	72.7

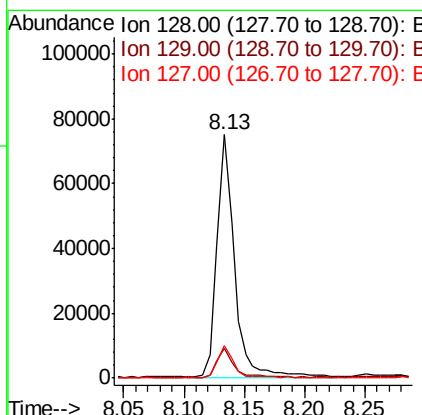
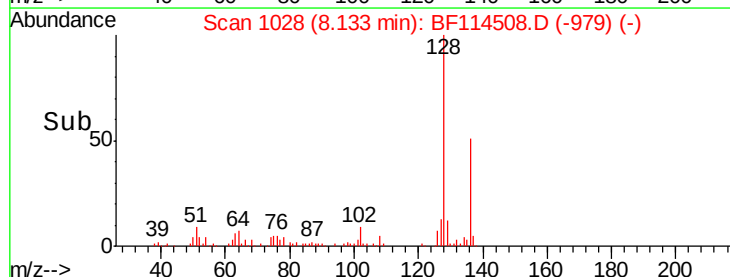
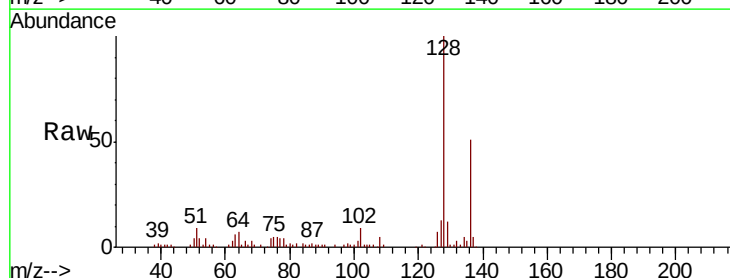
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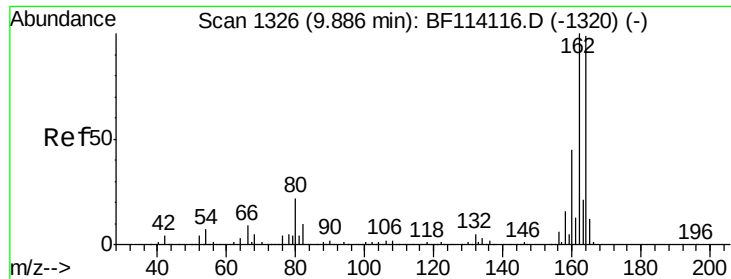
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#31
 Naphthalene
 Concen: 2.017 ng
 RT: 8.13 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: BF114508.D
 Acq: 23 May 2019 2:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.6	14.4
127	13.4	11.3	16.9





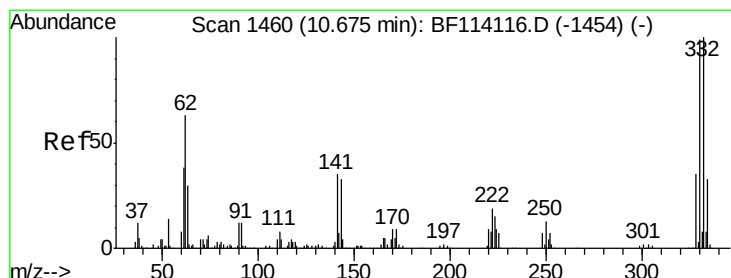
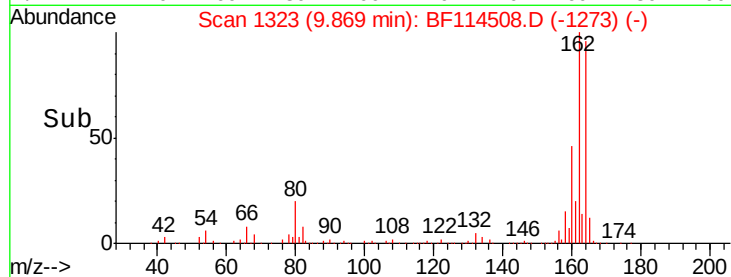
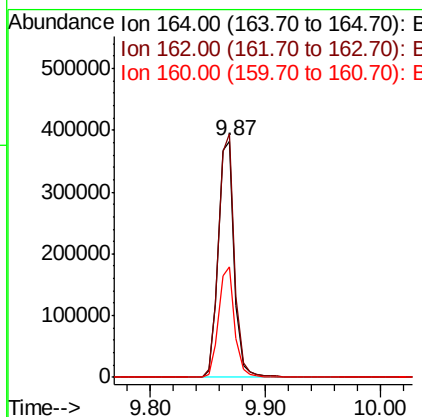
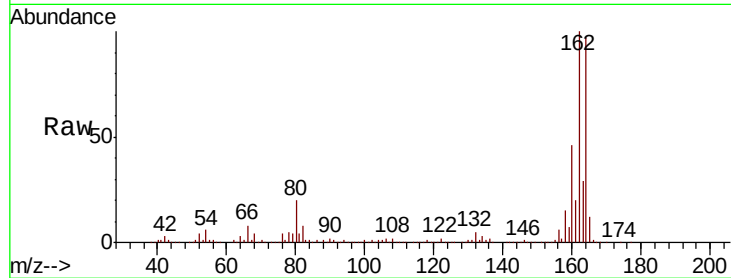
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: BF114508.D
 Acq: 23 May 2019 2:32

Instrument :
 BNA_F
 ClientSampled :
 TP-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.0	80.6	120.8	
160	46.9	36.5	54.7	

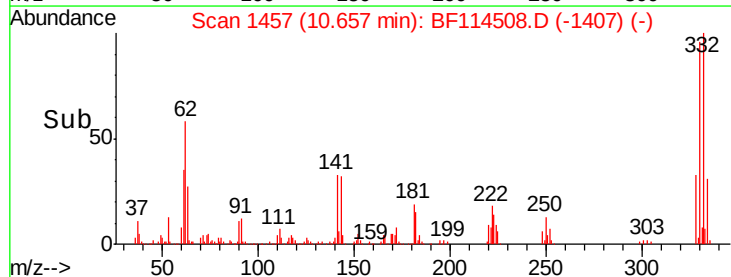
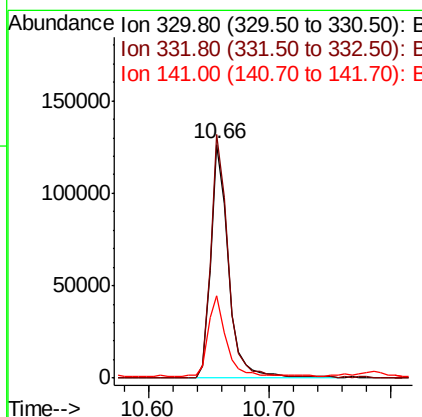
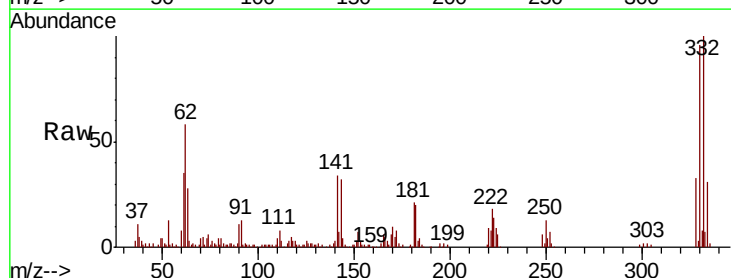
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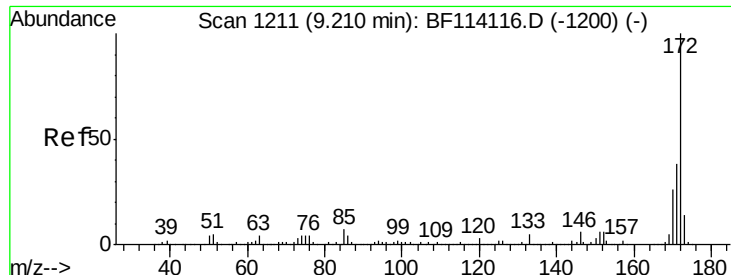
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#42
 2,4,6-Tribromophenol
 Concen: 33.386 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF114508.D
 Acq: 23 May 2019 2:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.3	81.4	122.2	
141	36.0	26.6	40.0	





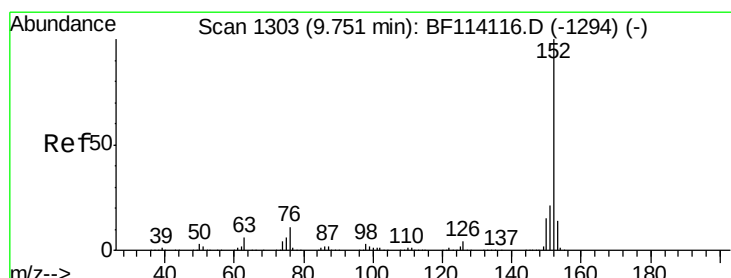
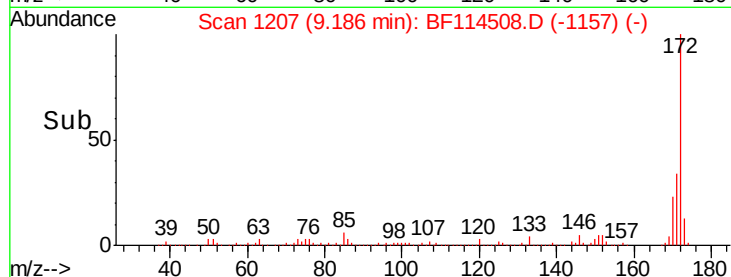
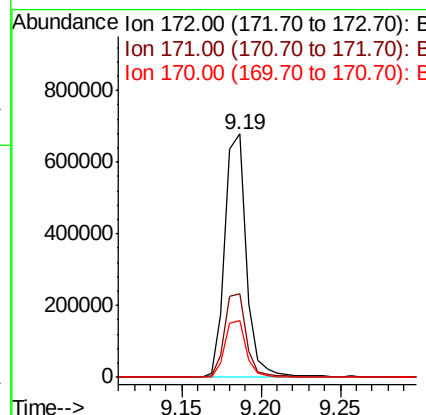
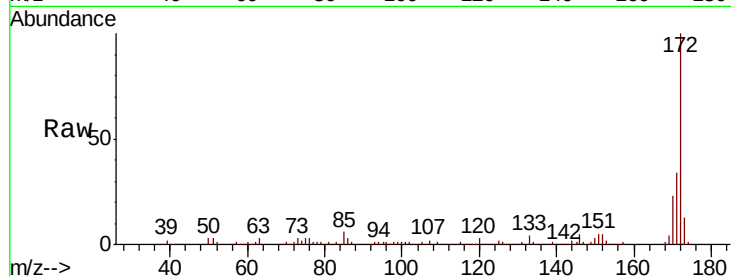
#45
2-Fluorobiphenyl
Concen: 26.329 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF114508.D
Acq: 23 May 2019 2:32

Instrument :
BNA_F
ClientSampleId :
TP-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	641944		
171	34.4		30.7	46.1
170	23.2		20.5	30.7

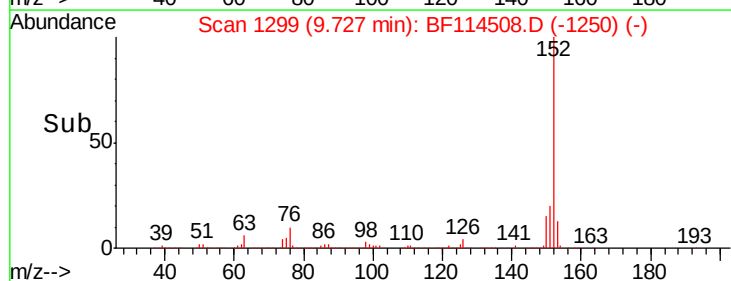
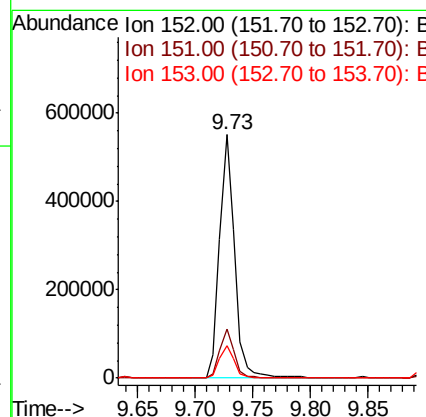
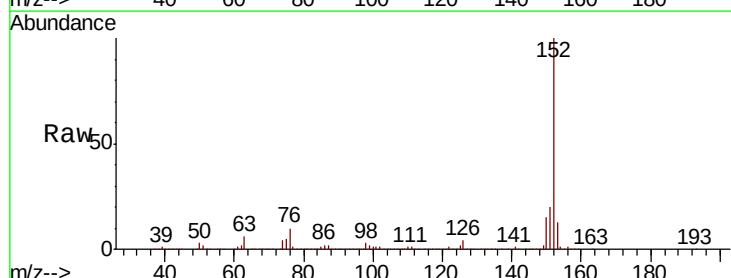
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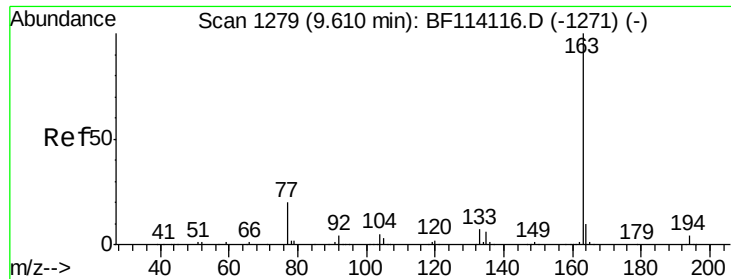
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#49
Acenaphthylene
Concen: 13.723 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF114508.D
Acq: 23 May 2019 2:32

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	500478		
151	19.9		16.8	25.2
153	13.3		11.4	17.2





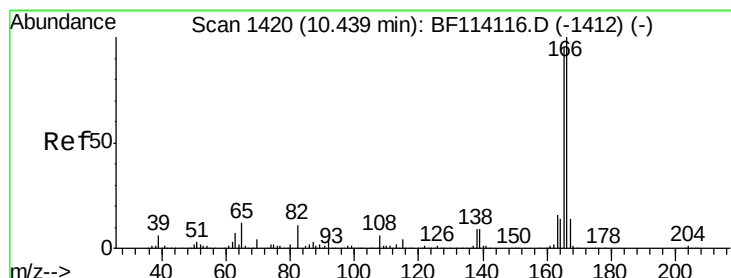
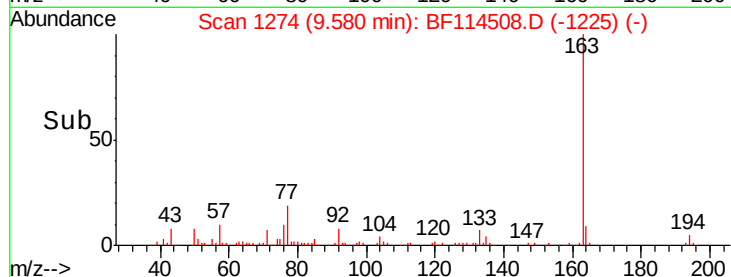
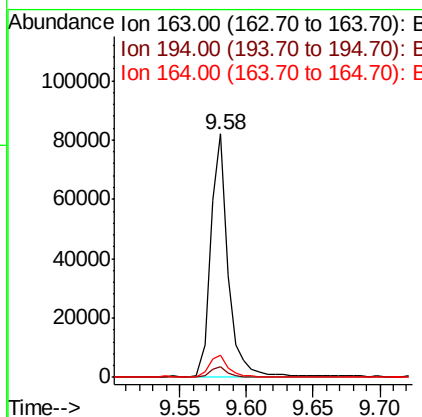
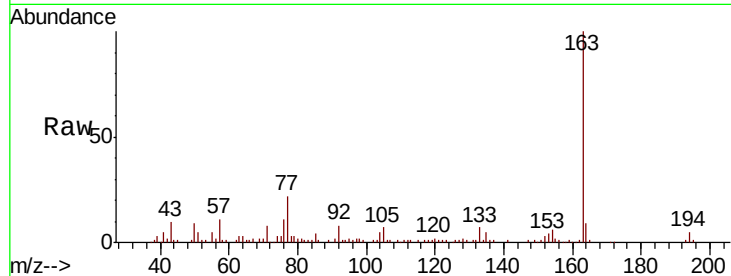
#50
Dimethylphthalate
Concen: 2.814 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF114508.D
Acq: 23 May 2019 2:32

Instrument :
BNA_F
ClientSampled :
TP-SOIL

Tot Ion:163	Resp:	76201
Ion Ratio	Lower	Upper
163	100	
194	4.6	3.4 5.0
164	9.4	8.2 12.2

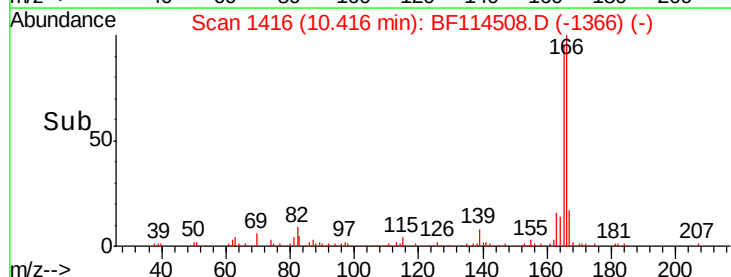
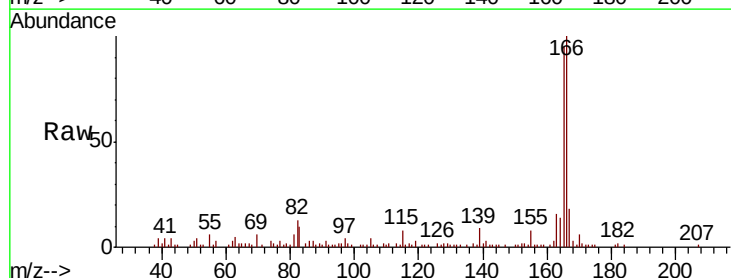
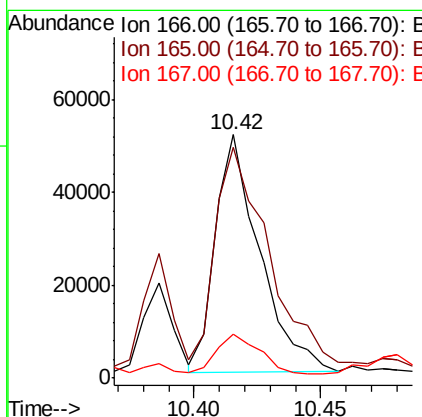
Manual Integrations
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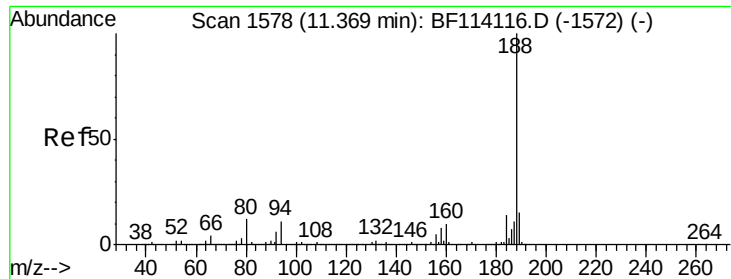
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#58
Fluorene
Concen: 2.466 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF114508.D
Acq: 23 May 2019 2:32

Tgt Ion:166	Resp:	62501
Ion Ratio	Lower	Upper
166	100	
165	94.6	76.1 114.1
167	18.0	11.1 16.7#





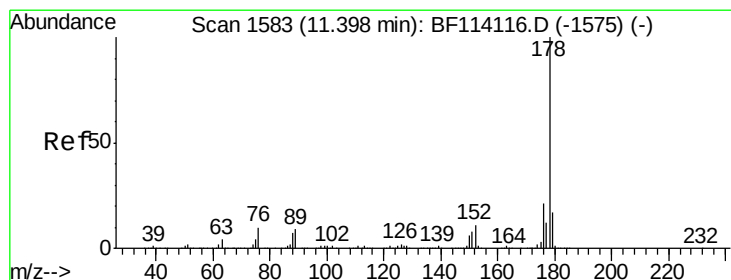
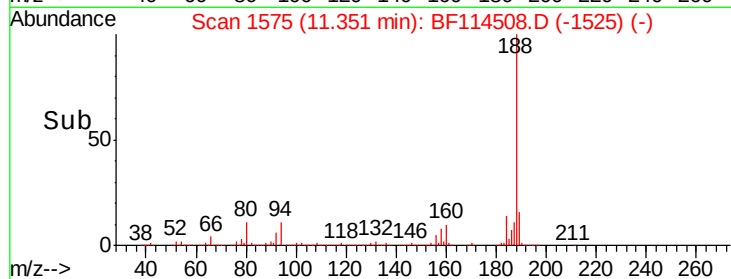
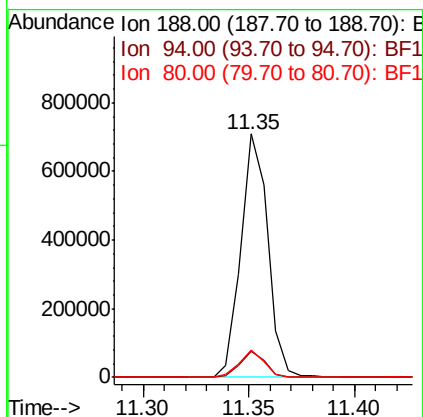
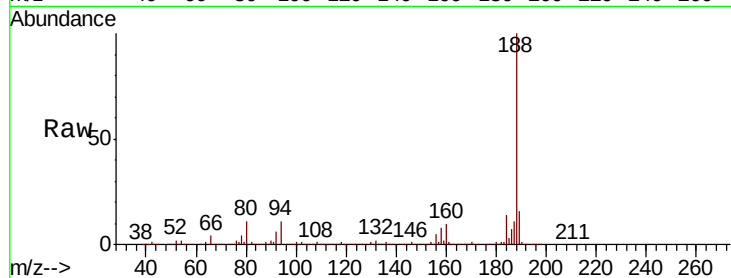
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF114508.D
Acq: 23 May 2019 2:32

Instrument :
BNA_F
ClientSampleId :
TP-SOIL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.7	8.4	12.6
80	11.0	9.2	13.8

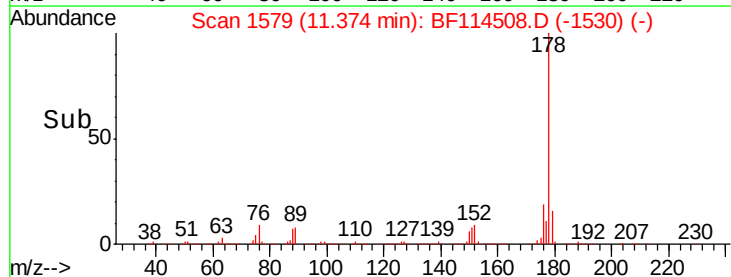
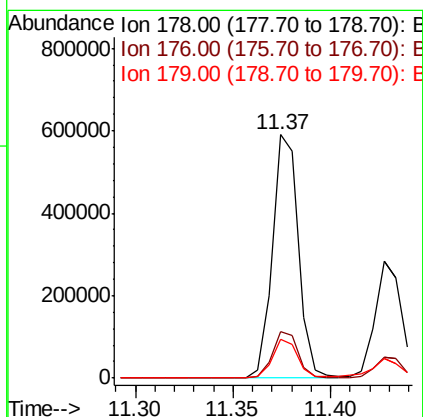
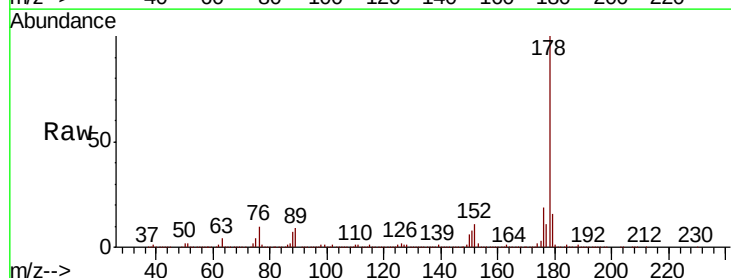
Manual Integrations
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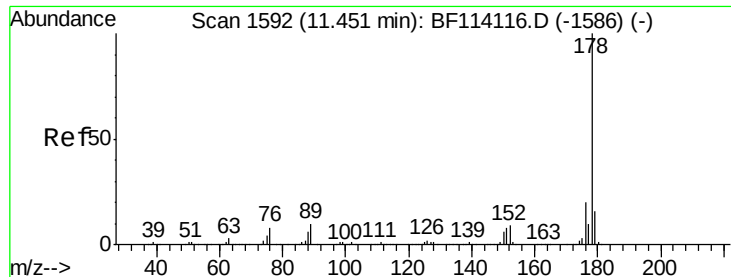
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#71
Phenanthrene
Concen: 17.808 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF114508.D
Acq: 23 May 2019 2:32

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	16.4	24.6
179	15.9	13.2	19.8





#72

Anthracene

Concen: 8.581 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF114508.D

Acq: 23 May 2019 2:32

Instrument :

BNA_F

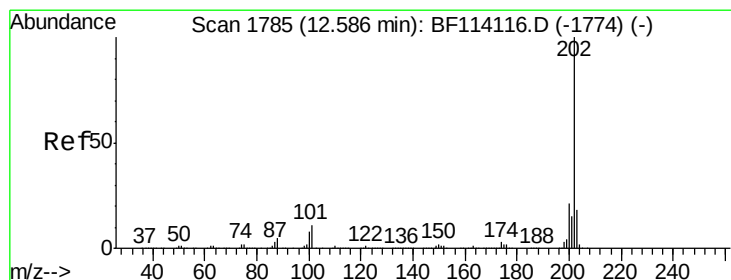
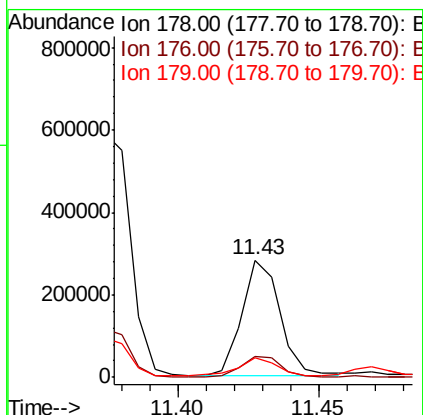
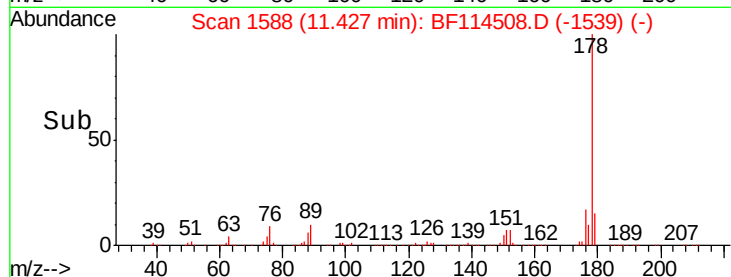
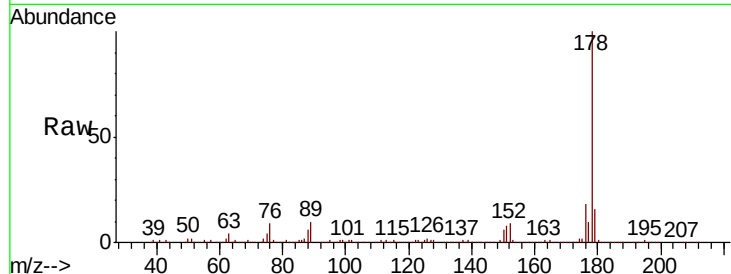
ClientSampleId :

TP-SOIL

Tot Ion:	178	Resp:	262515
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.8	23.8
179	16.3	13.0	19.4

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#75

Fluoranthene

Concen: 68.465 ng

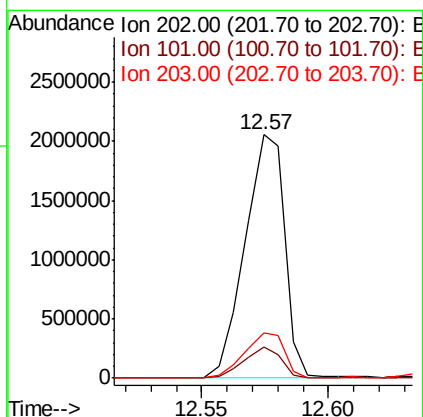
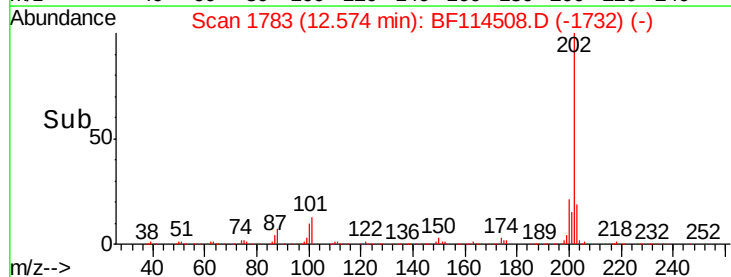
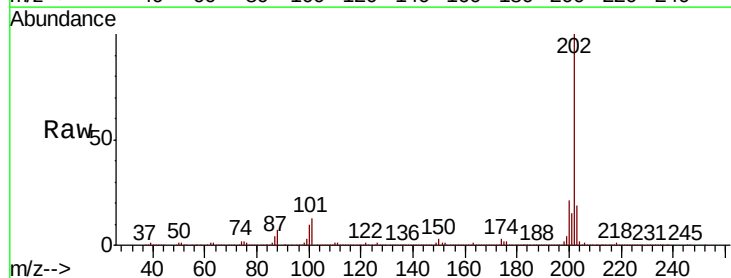
RT: 12.57 min Scan# 1783

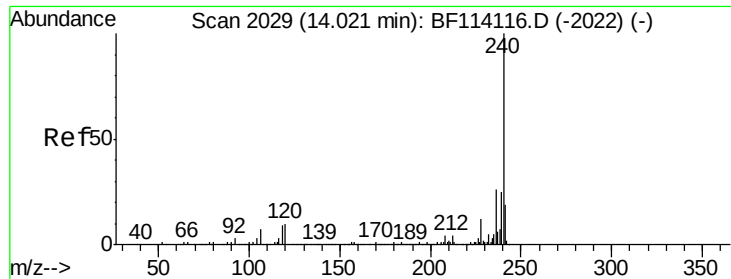
Delta R.T. 0.00 min

Lab File: BF114508.D

Acq: 23 May 2019 2:32

Tgt Ion:	202	Resp:	2245575
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	31.0
203	18.6	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF114508.D

Acq: 23 May 2019 2:32

Instrument :

BNA_F

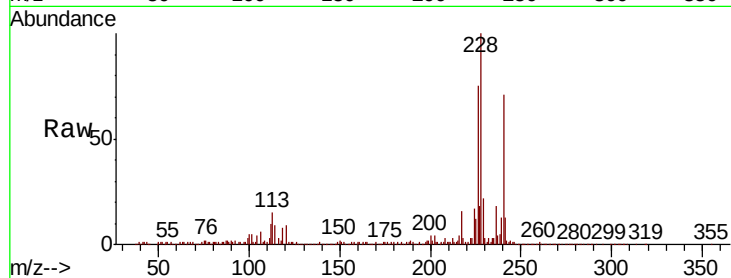
ClientSampleId :

TP-SOIL

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.5	8.3	12.5#
236	25.2	20.8	31.2

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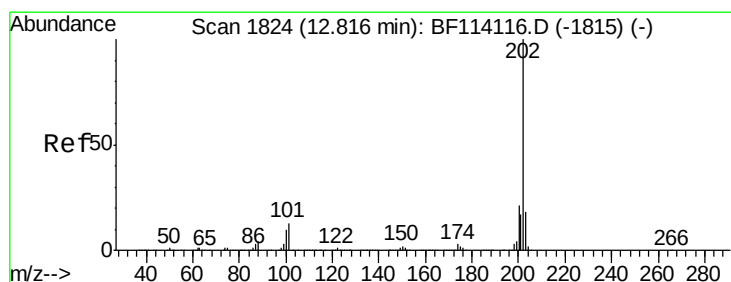
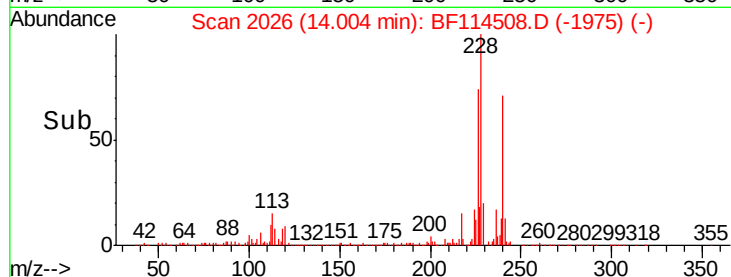
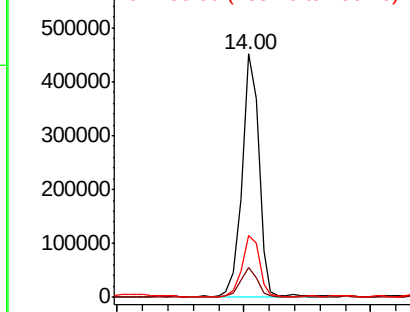


Abundance

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: 84.886 ng

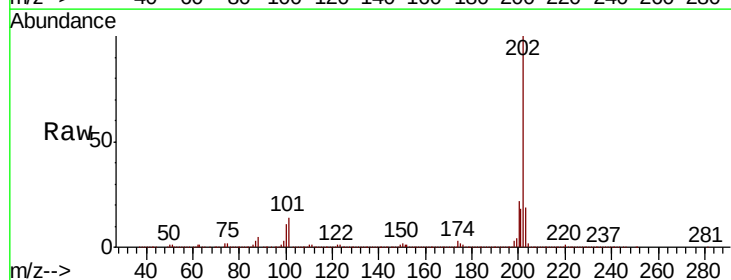
RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF114508.D

Acq: 23 May 2019 2:32

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.9	25.3
203	18.8	14.5	21.7

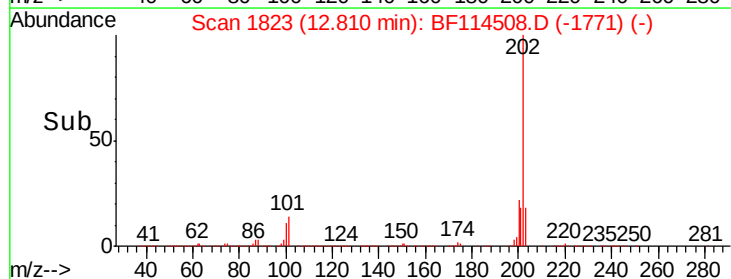
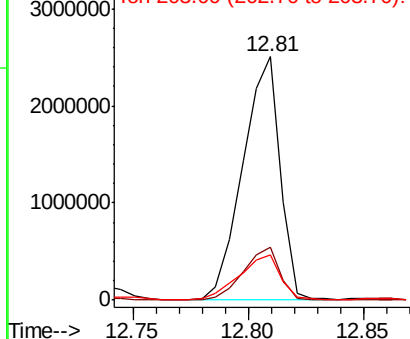


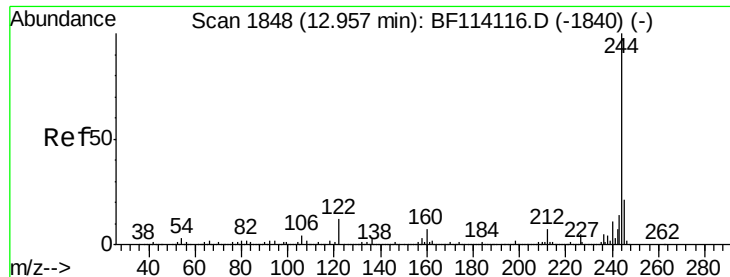
Abundance

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





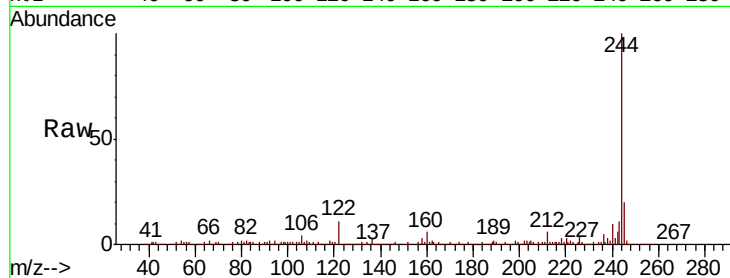
#79
 Terphenyl-d14
 Concen: 25.029 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BF114508.D
 Acq: 23 May 2019 2:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-SOIL

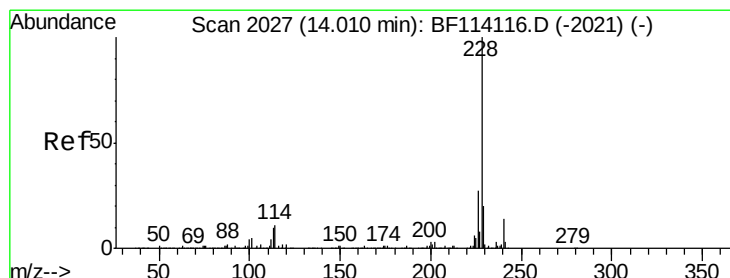
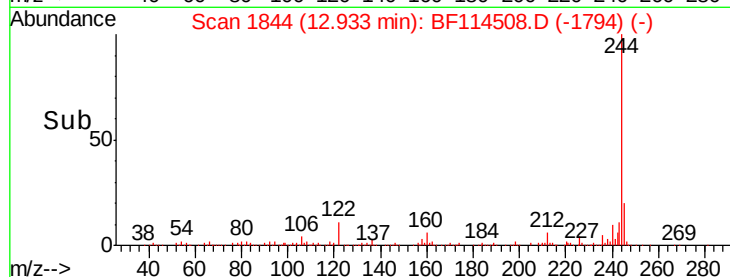
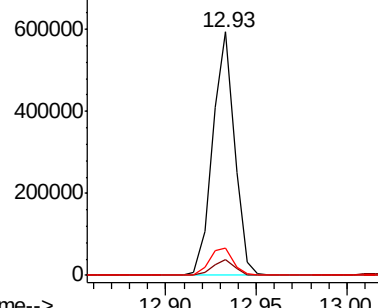
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.6
122	11.2	9.4	14.2

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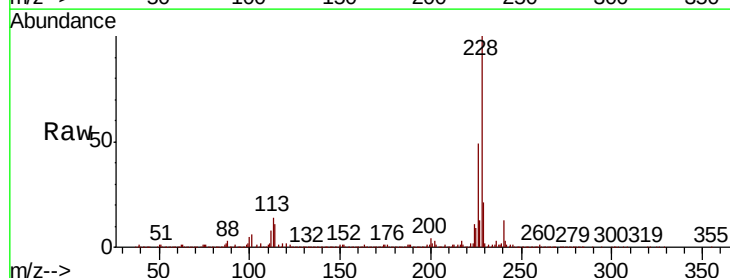


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

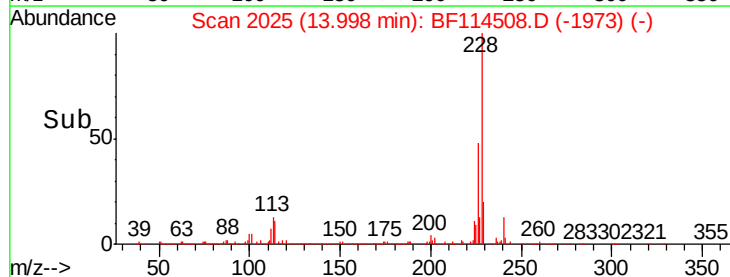
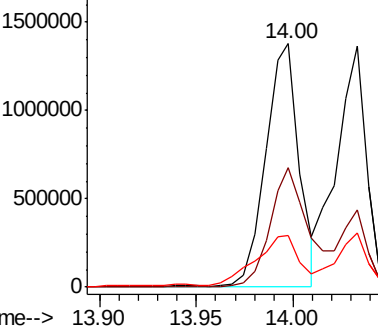


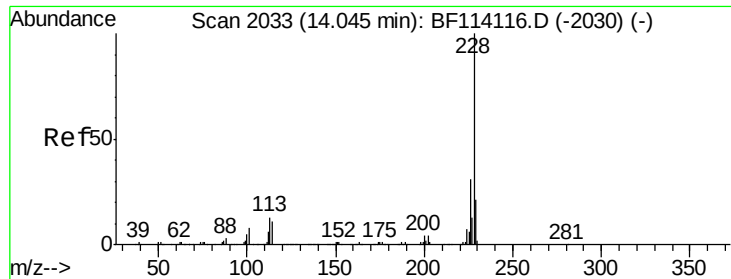
#81
 Benzo(a)anthracene
 Concen: 63.954 ng m
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BF114508.D
 Acq: 23 May 2019 2:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	48.9	22.2	33.2#
229	21.3	16.4	24.6



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





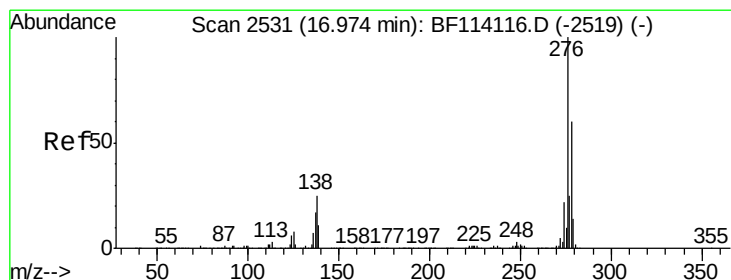
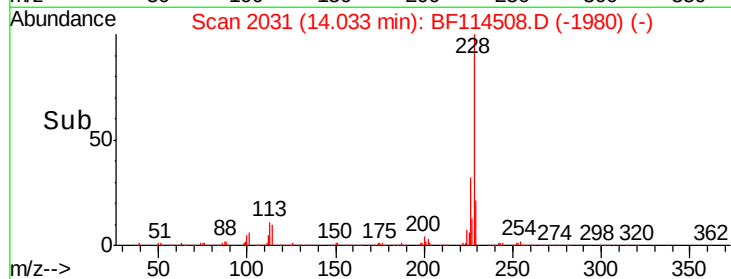
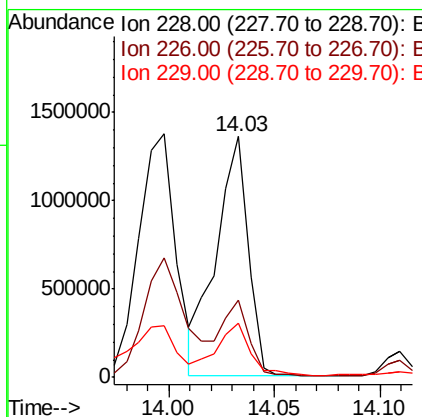
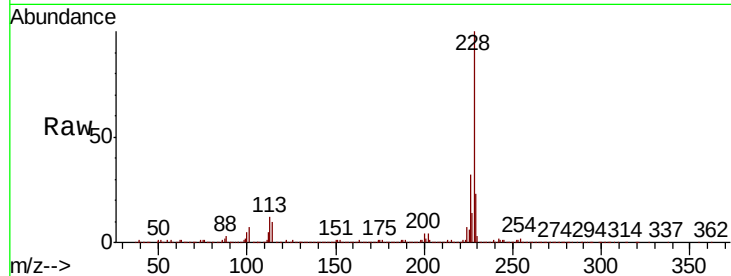
#83
Chrysene
Concen: 55.246 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF114508.D
Acq: 23 May 2019 2:32

Instrument :
BNA_F
ClientSampleId :
TP-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.0	37.6
229	22.5	17.0	25.6

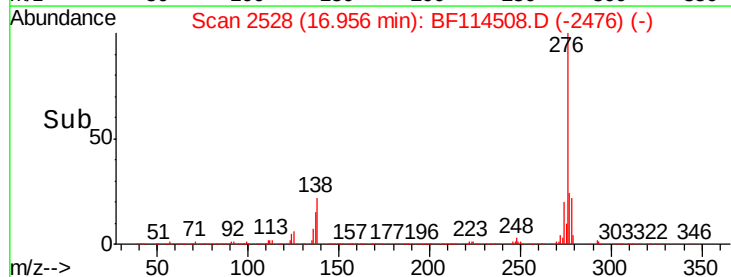
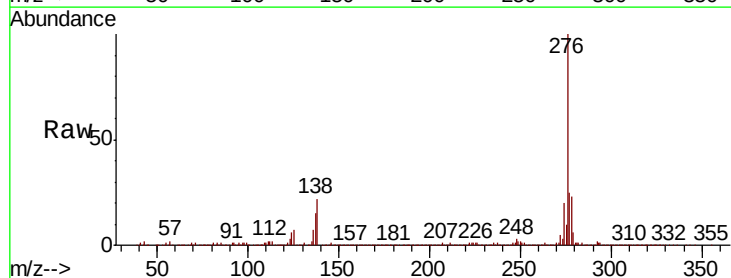
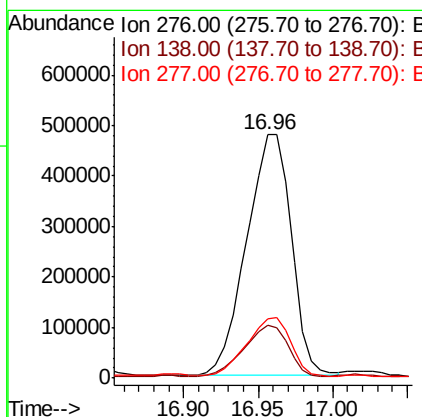
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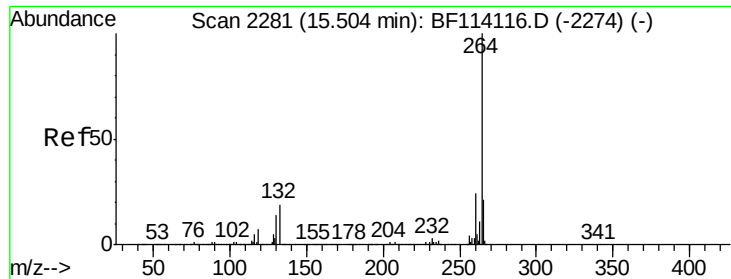
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#86
Indeno(1,2,3-cd)pyrene
Concen: 42.976 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.01 min
Lab File: BF114508.D
Acq: 23 May 2019 2:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	20.2	30.2
277	24.3	20.0	30.0





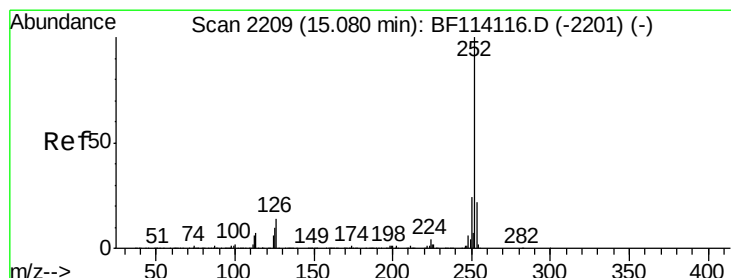
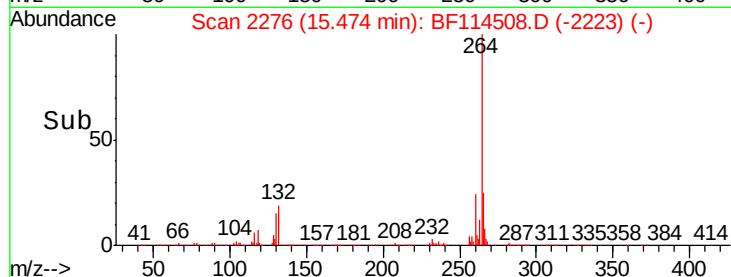
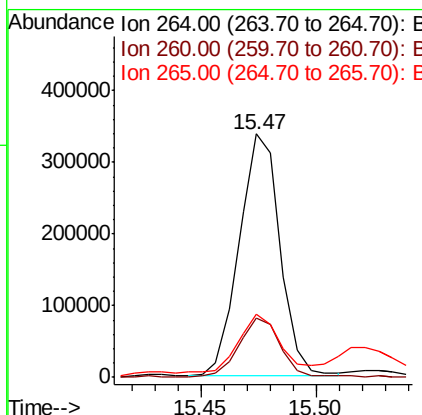
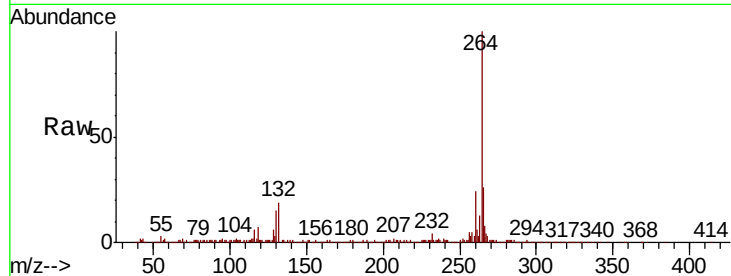
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF114508.D
Acq: 23 May 2019 2:32

Instrument :
BNA_F
ClientSampleId :
TP-SOIL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.0
265	25.8	16.9	25.3

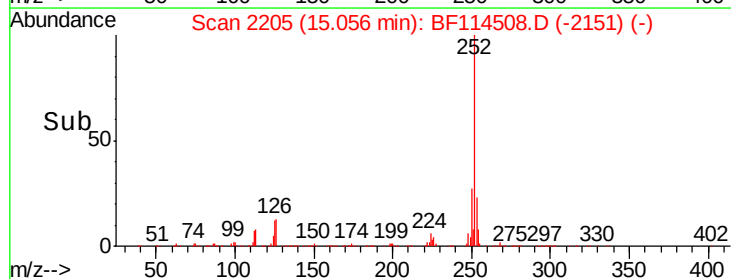
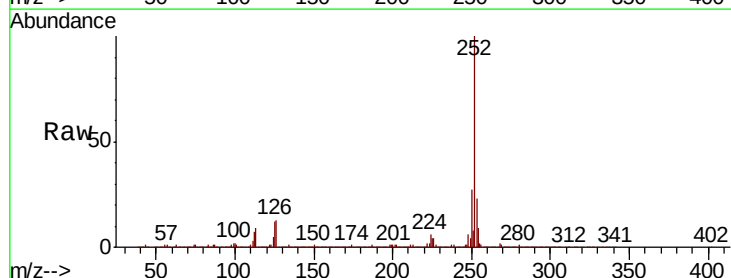
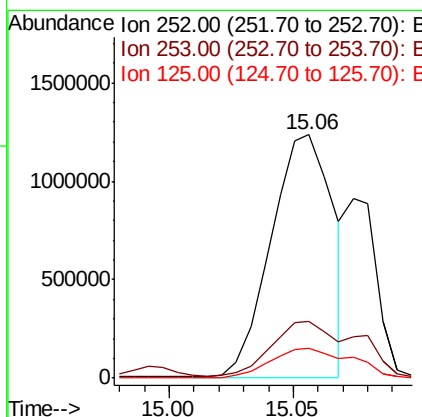
Manual Integrations
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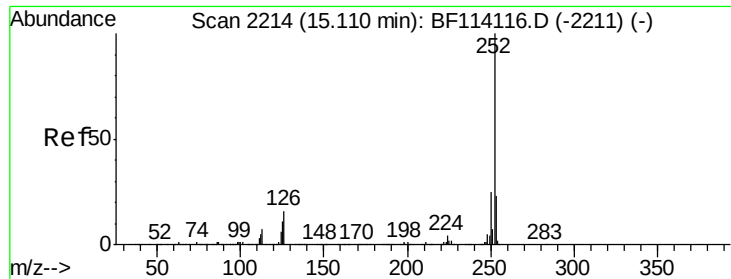
mohammad
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#88
Benzo(b)fluoranthene
Concen: 81.552 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF114508.D
Acq: 23 May 2019 2:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	12.5	8.3	12.5





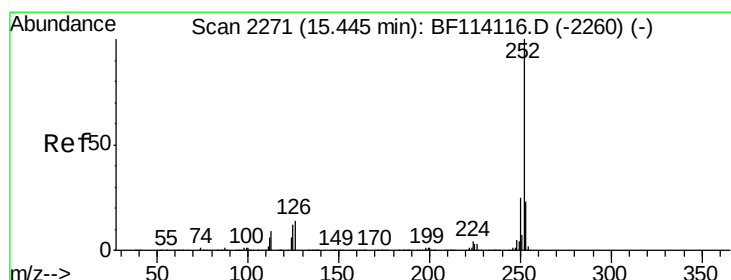
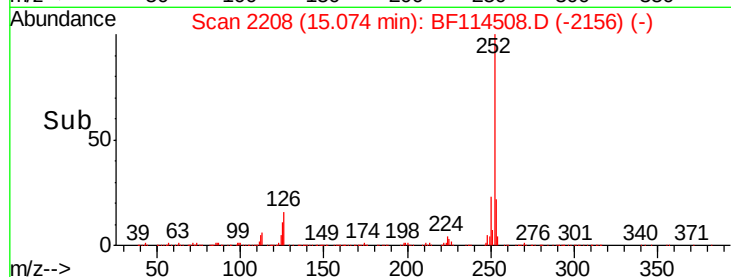
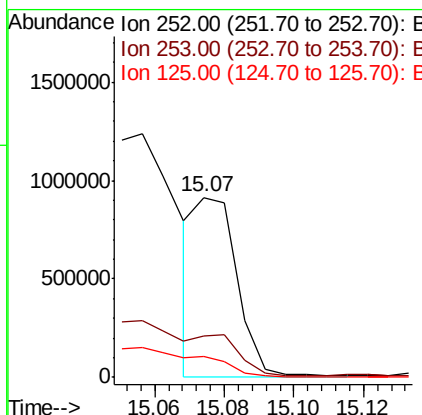
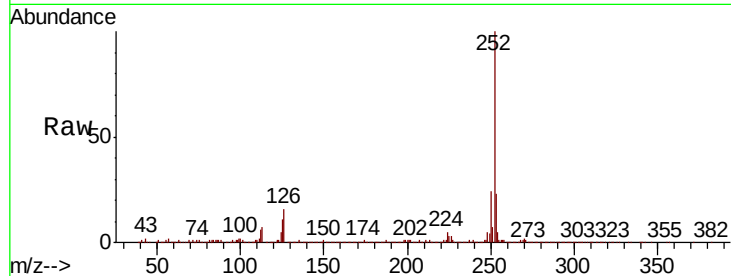
#89
Benzo(k)fluoranthene
Concen: 31.516 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF114508.D
Acq: 23 May 2019 2:32

Instrument :
BNA_F
ClientSampleId :
TP-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	11.4	8.6	13.0

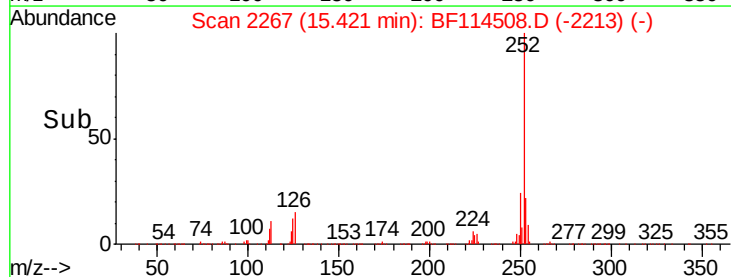
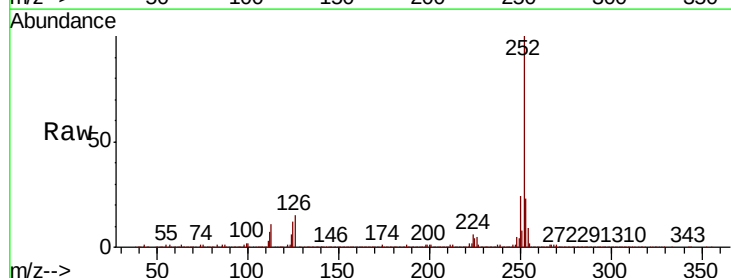
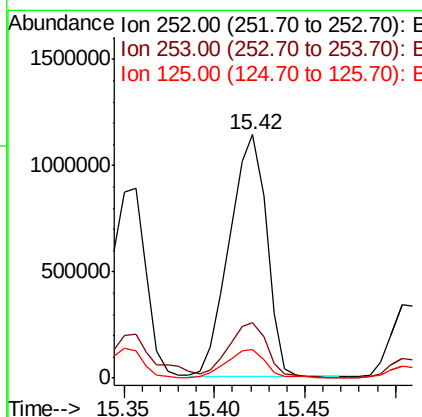
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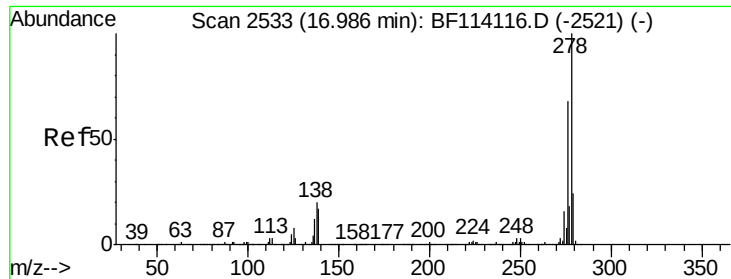
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#90
Benzo(a)pyrene
Concen: 70.056 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.02 min
Lab File: BF114508.D
Acq: 23 May 2019 2:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	11.7	9.5	14.3





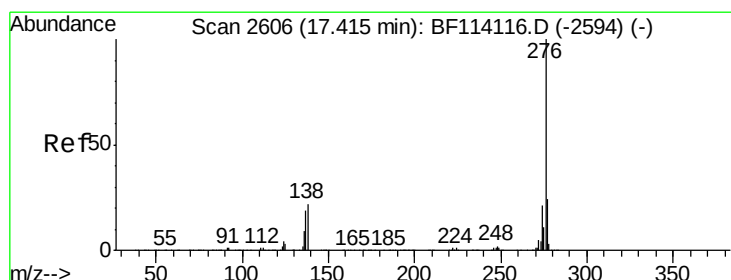
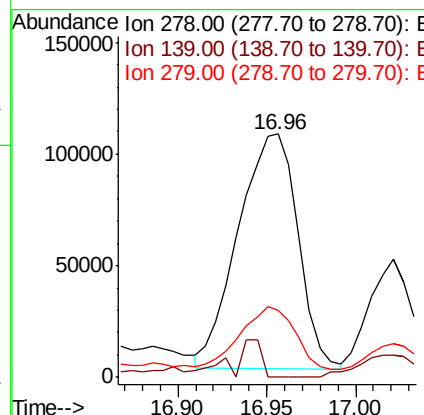
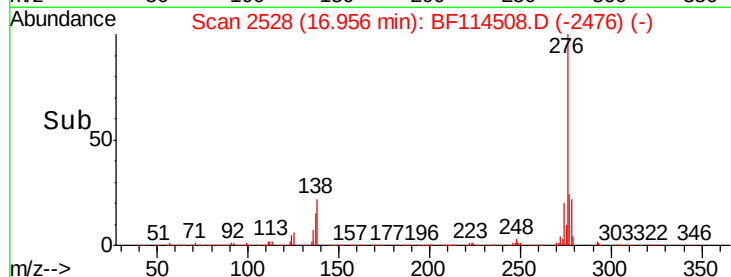
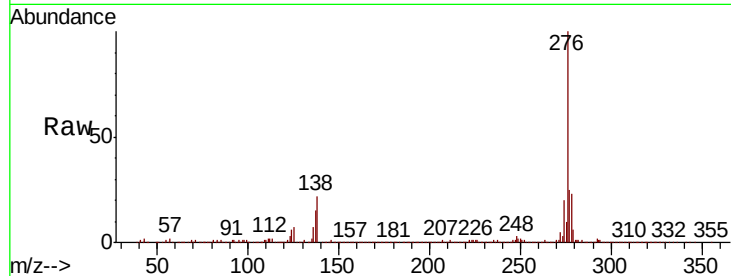
#91
Dibenzo(a,h)anthracene
Concen: 12.687 ng m
RT: 16.96 min Scan# 2528
Delta R.T. 0.01 min
Lab File: BF114508.D
Acq: 23 May 2019 2:32

Instrument :
BNA_F
ClientSampleID :
TP-SOIL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	27.3	19.0	28.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 56.866 ng
RT: 17.41 min Scan# 2605
Delta R.T. 0.02 min
Lab File: BF114508.D
Acq: 23 May 2019 2:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	22.9	17.8	26.6

