

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117540.D
 Acq On : 25 Oct 2019 17:06
 Operator : JU
 Sample : K5502-19
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 176-86-(0-2.5)

Manual Integrations
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 10/29/2019 3:33:26 PM

Quant Time: Oct 26 01:32:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	32457	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	129434	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	66654	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	97232	20.00	ng	0.00
76) Chrysene-d12	13.90	240	66132	20.00	ng	0.00
87) Perylene-d12	15.33	264	71268	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	213501	97.86	ng	0.00
7) Phenol-d6	6.39	99	305059	104.11	ng	0.00
23) Nitrobenzene-d5	7.29	82	183734	70.08	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	53245	92.32	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	275520	58.24	ng	-0.01
79) Terphenyl-d14	12.83	244	208609	51.45	ng	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.40	94	7874	2.633	ng	# 56
31) Naphthalene	8.03	128	15318	2.388	ng	# 96
49) Acenaphthylene	9.62	152	23045	3.771	ng	97
50) Dimethylphthalate	9.48	163	66383	13.970	ng	100
52) Acenaphthene	9.79	154	17840	4.758	ng	100
55) Dibenzofuran	9.97	168	18921	3.483	ng	# 97
58) Fluorene	10.31	166	29336	6.531	ng	96
71) Phenanthrene	11.27	178	419725	74.342	ng	99
72) Anthracene	11.33	178	81957	14.148	ng	97
73) Carbazole	11.49	167	37011	6.991	ng	99
75) Fluoranthene	12.47	202	592588	104.846	ng	99
78) Pyrene	12.70	202	493210	86.827	ng	98
81) Benzo(a)anthracene	13.89	228	245593	55.055	ng	98
83) Chrysene	13.92	228	211576	48.394	ng	98
86) Indeno(1,2,3-cd)pyrene	16.74	276	103362	31.666	ng	97
88) Benzo(b)fluoranthene	14.93	252	272797m	64.821	ng	
89) Benzo(k)fluoranthene	14.94	252	93048m	21.572	ng	
90) Benzo(a)pyrene	15.27	252	186022	48.616	ng	95
91) Dibenzo(a,h)anthracene	16.74	278	24757	7.483	ng	# 87
92) Benzo(a,h,i)perylene	17.17	276	90340m	28.858	ng	

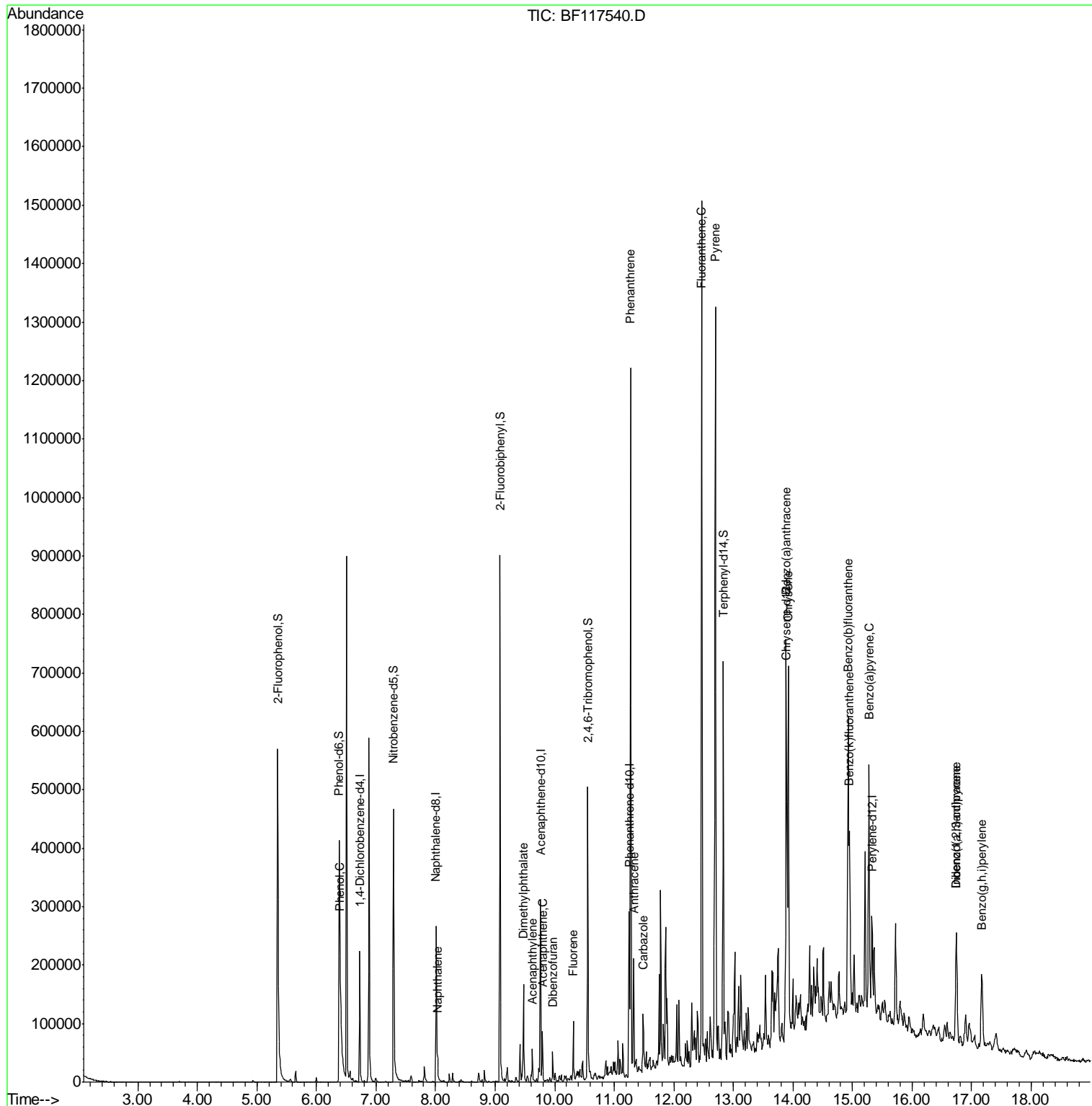
(#) = qualifier out of range (m) = manual integration (+) = signals summed

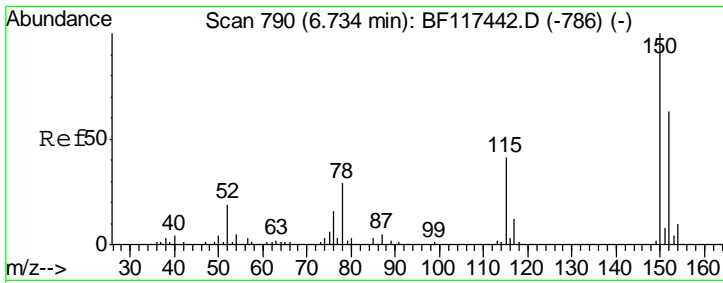
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117540.D
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 176-86-(0-2.5)

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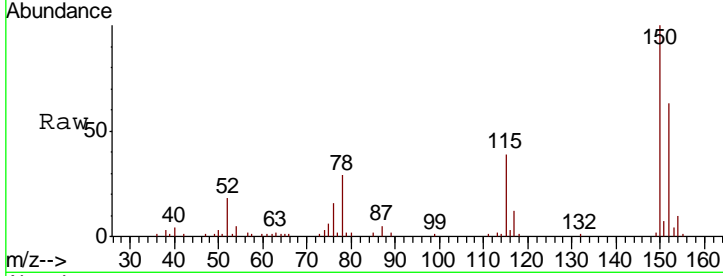
Quant Time: Oct 26 01:32:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

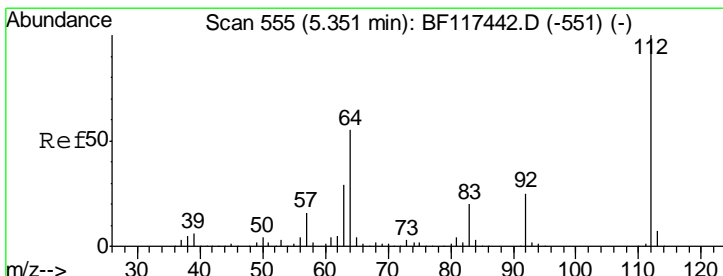
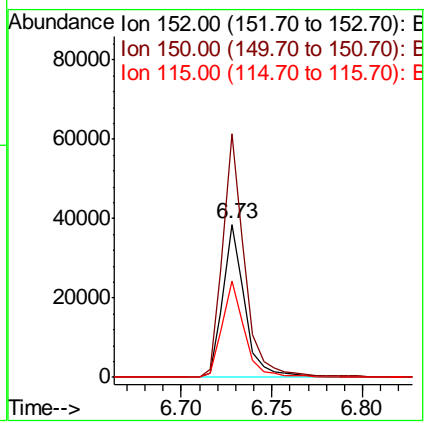
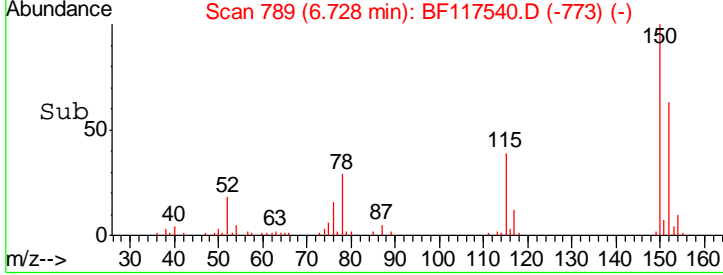
Instrument :
 BNA_F
ClientSampled :
 176-86-(0-2.5)



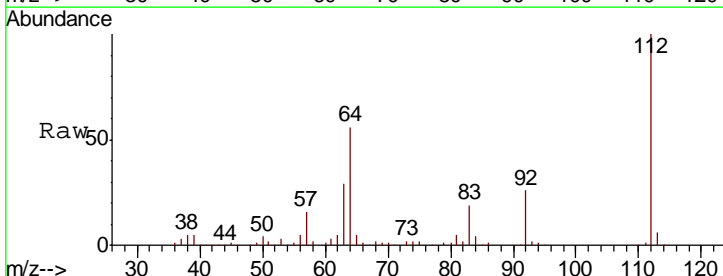
Tgt Ion: 152 Resp: 32457

Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.8	190.2
115	62.5	51.6	77.4

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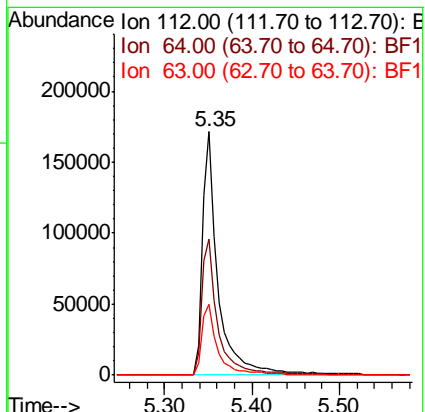
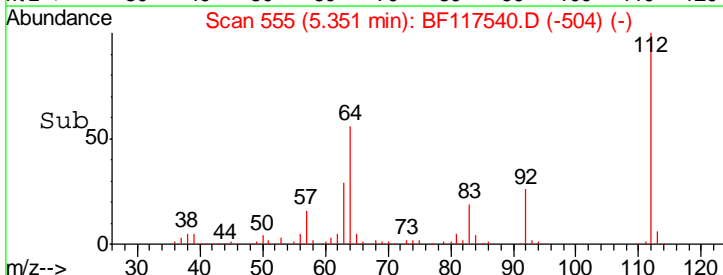


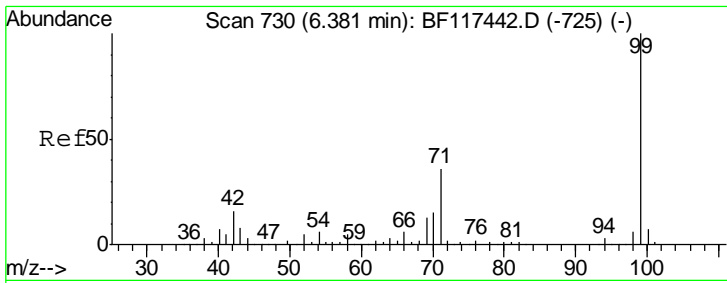
#5
 2-Fluorophenol
 Concen: 97.861 ng
 RT: 5.35 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06



Tgt Ion: 112 Resp: 213501

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.1	66.1
63	28.9	23.4	35.2





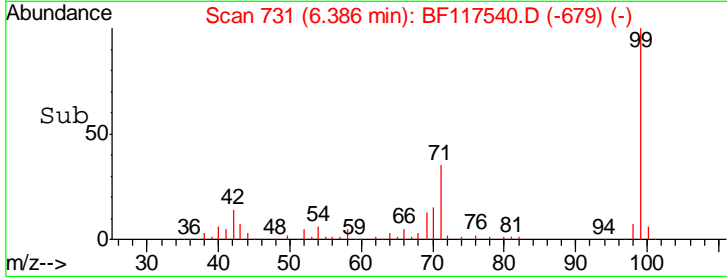
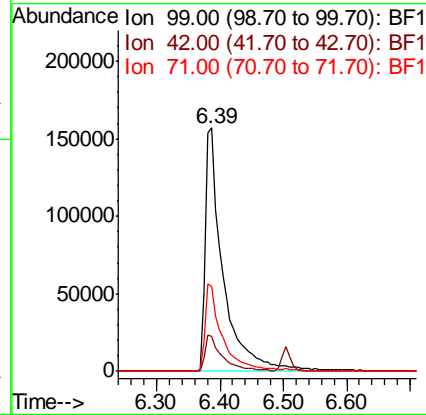
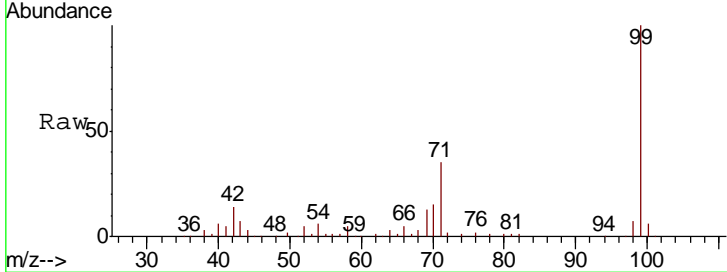
#7
 Phenol-d6
 Concen: 104.107 ng
 RT: 6.39 min Scan# 731
 Delta R.T. 0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

Instrument :
 BNA_F
ClientSampled :
 176-86-(0-2.5)

Tgt Ion	Resp	Lower	Upper
99	305059		
99	100		
42	14.2	12.8	19.2
71	35.1	28.6	43.0

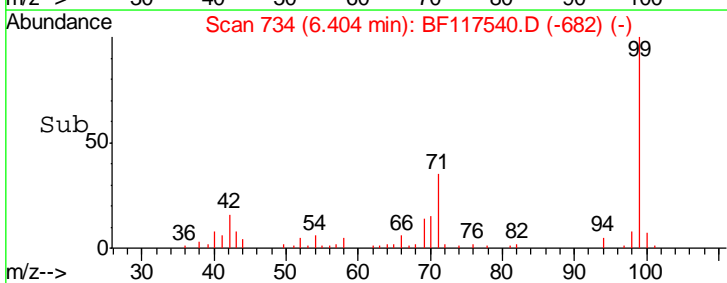
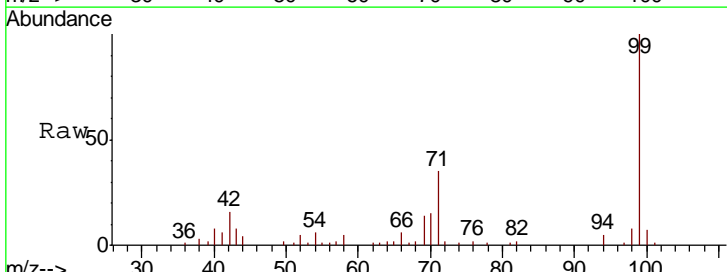
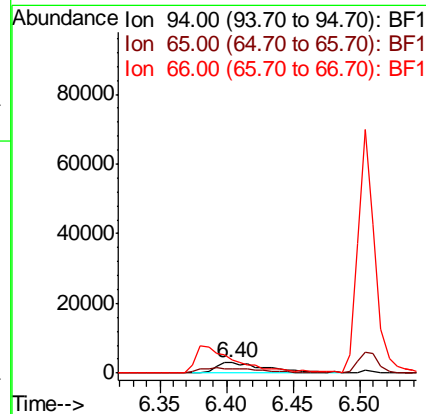
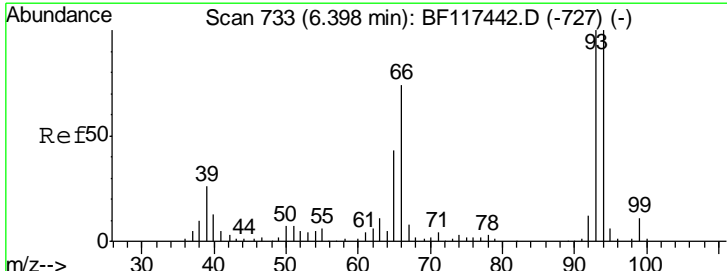
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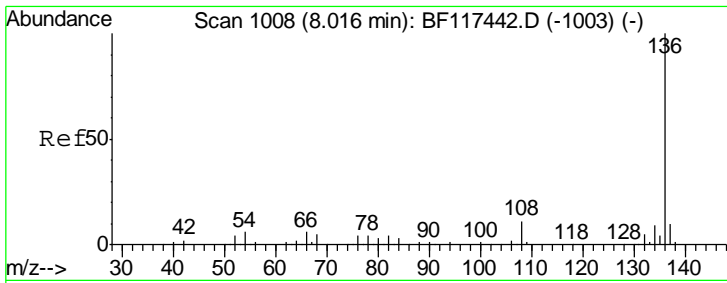
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#10
 Phenol
 Concen: 2.633 ng
 RT: 6.40 min Scan# 734
 Delta R.T. 0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

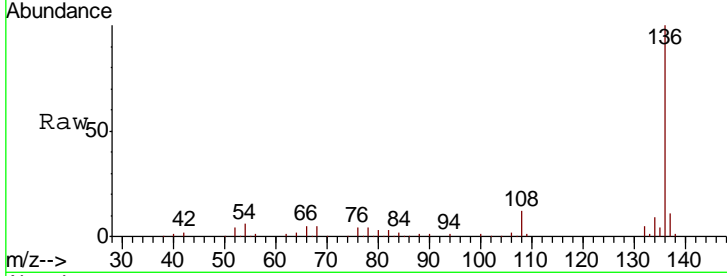
Tgt Ion	Resp	Lower	Upper
94	7874		
94	100		
65	40.4	23.4	63.4
66	131.9	54.7	94.7#





#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.01 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

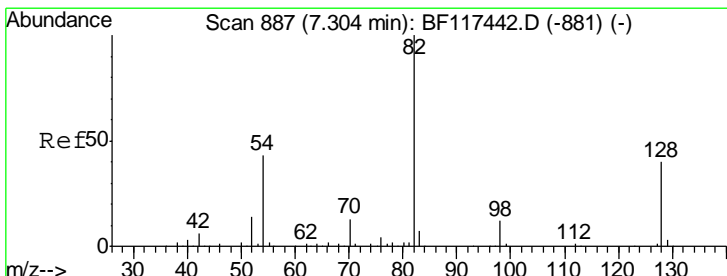
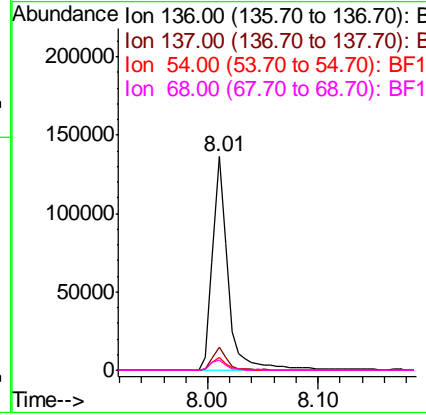
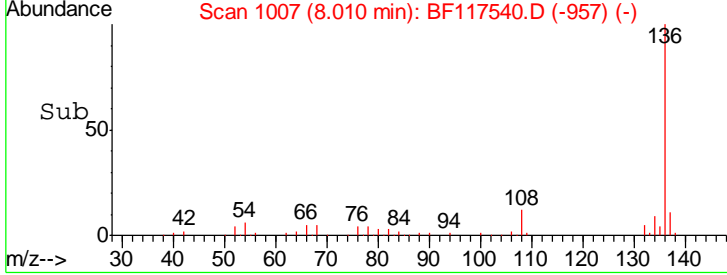
Instrument :
 BNA_F
ClientSampled :
 176-86-(0-2.5)



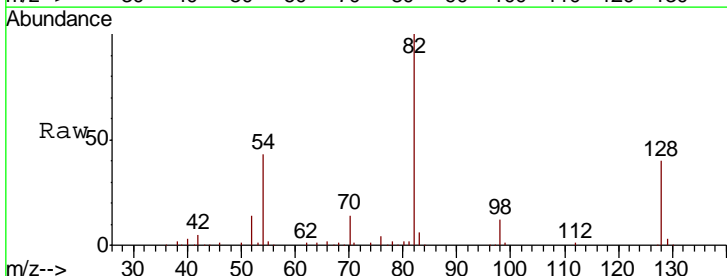
Tgt Ion: 136 Resp: 129434

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.4
54	5.9	4.5	6.7
68	4.7	4.3	6.5

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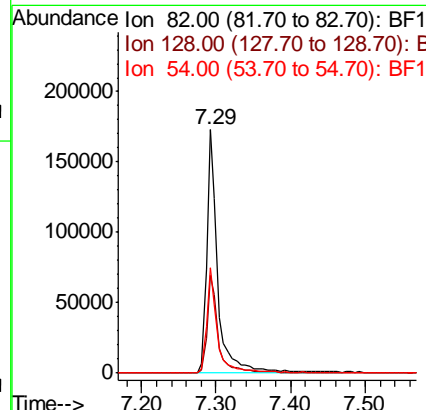
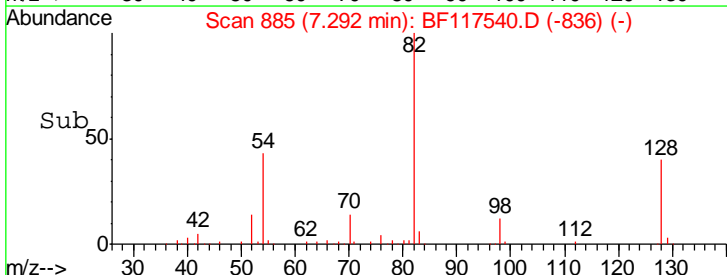


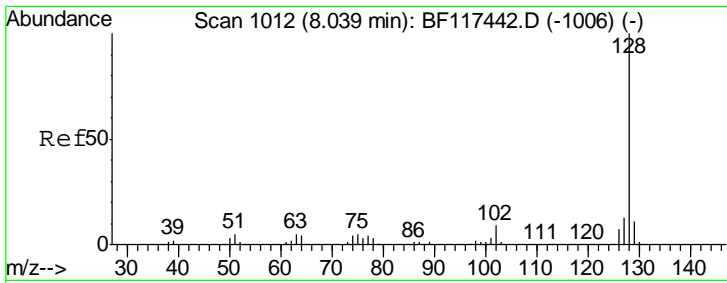
#23
 Nitrobenzene-d5
 Concen: 70.079 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06



Tgt Ion: 82 Resp: 183734

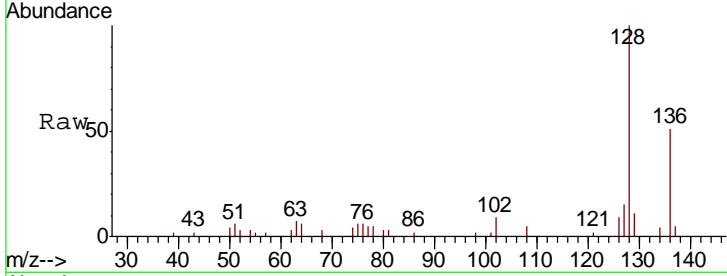
Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.2	48.2
54	43.2	34.2	51.2





#31
 Naphthalene
 Concen: 2.388 ng
 RT: 8.03 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

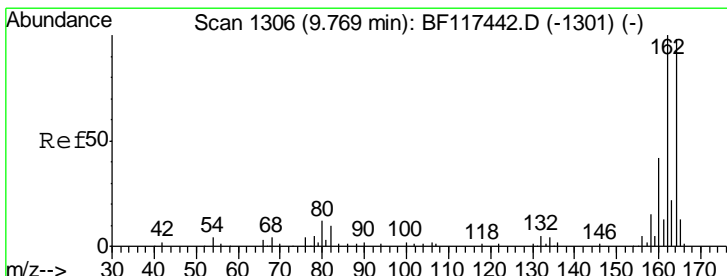
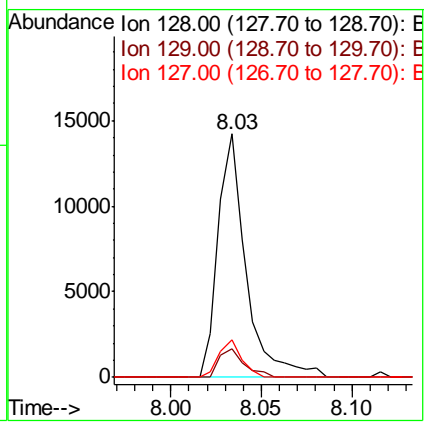
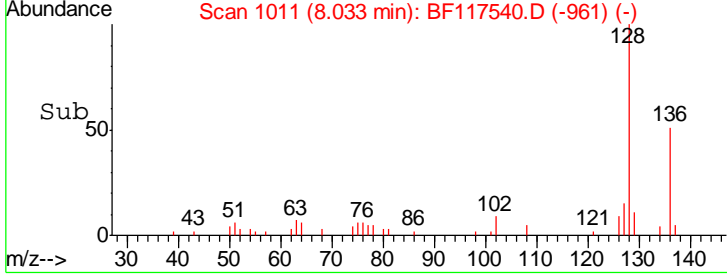
Instrument :
 BNA_F
ClientSampled :
 176-86-(0-2.5)



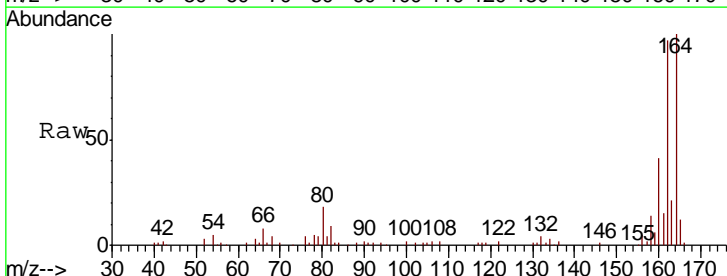
Tgt Ion: 128 Resp: 15318

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.4
127	15.3	10.2	15.2#

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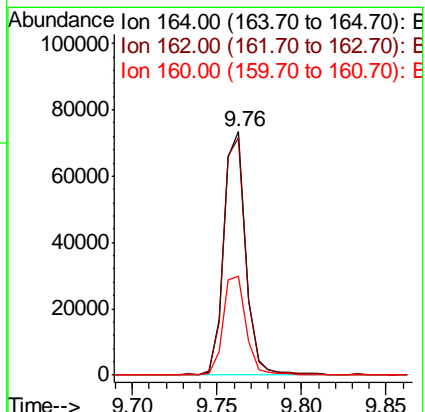
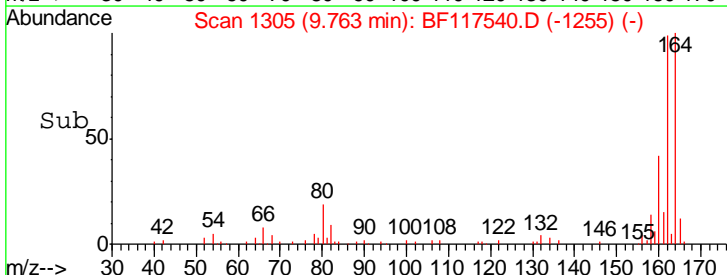


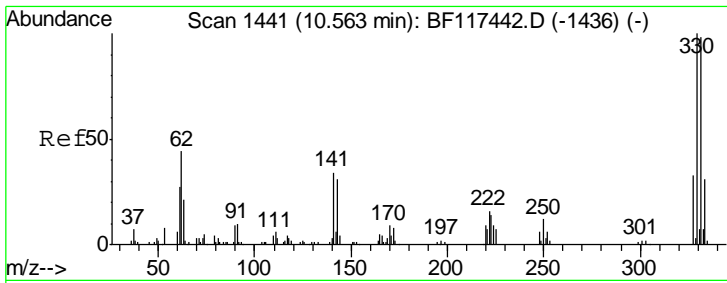
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06



Tgt Ion: 164 Resp: 66654

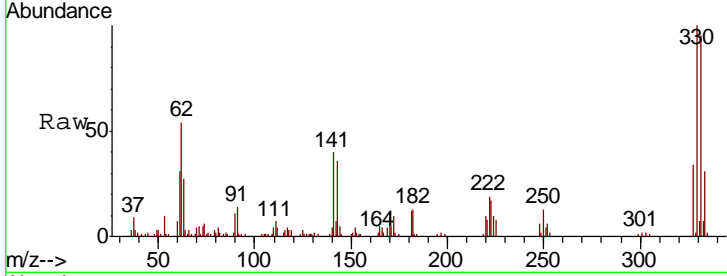
Ion	Ratio	Lower	Upper
164	100		
162	97.3	81.8	122.6
160	40.9	34.4	51.6





#42
 2,4,6-Tribromophenol
 Concen: 92.322 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

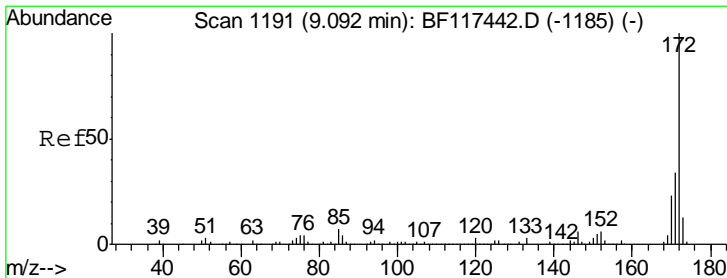
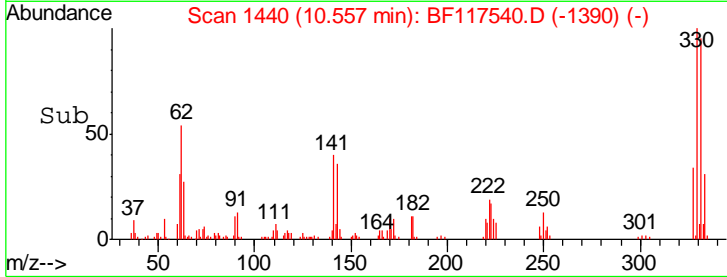
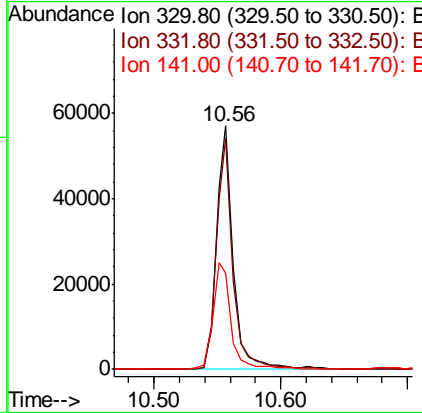
Instrument :
 BNA_F
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 176-86-(0-2.5)



Tgt Ion	Resp	Lower	Upper
330	100		
332	93.8	78.5	117.7
141	47.7	37.0	55.6

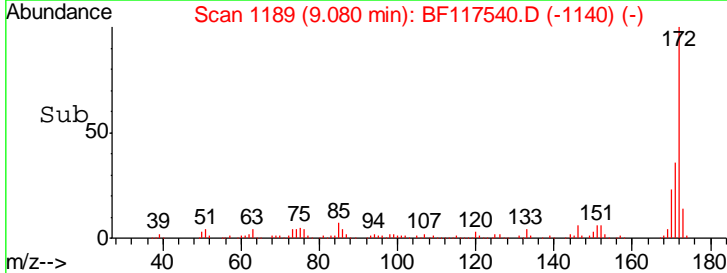
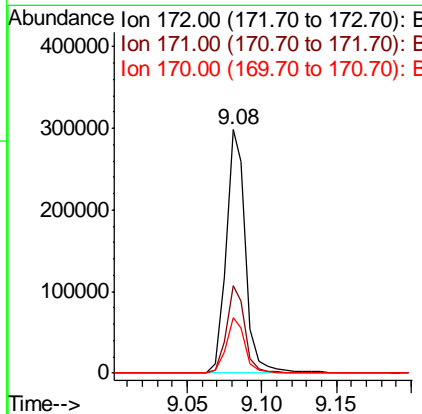
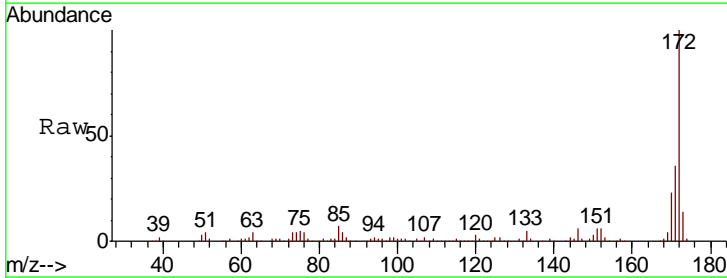
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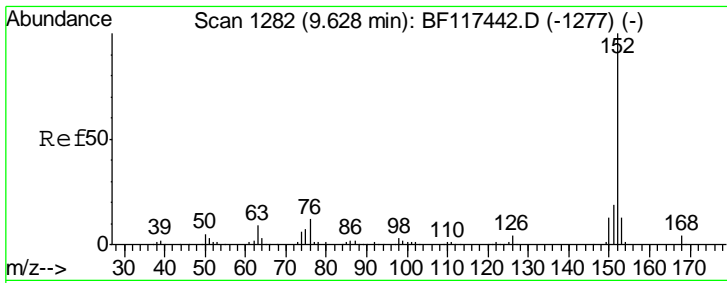
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#45
 2-Fluorobiphenyl
 Concen: 58.242 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

Tgt Ion	Resp	Lower	Upper
172	100		
171	35.9	27.5	41.3
170	23.0	18.6	27.8





#49

Acenaphthylene

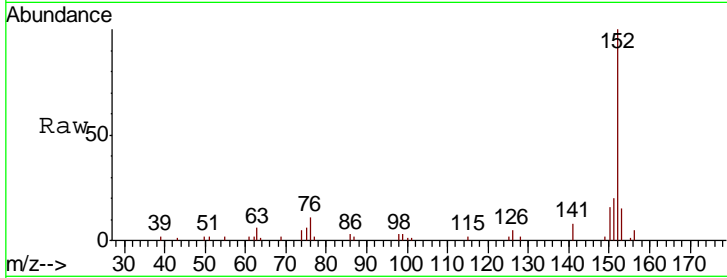
Concen: 3.771 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF117540.D

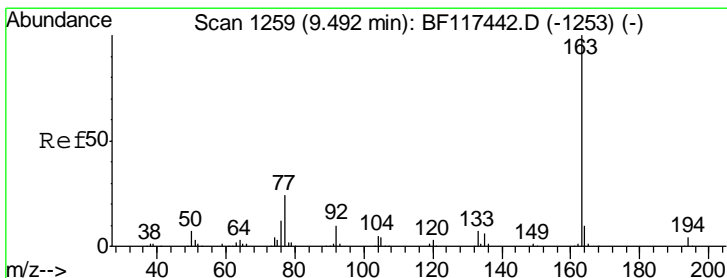
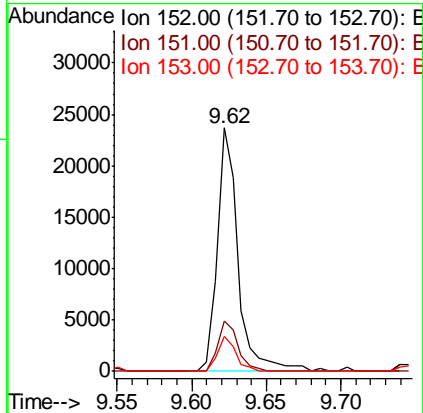
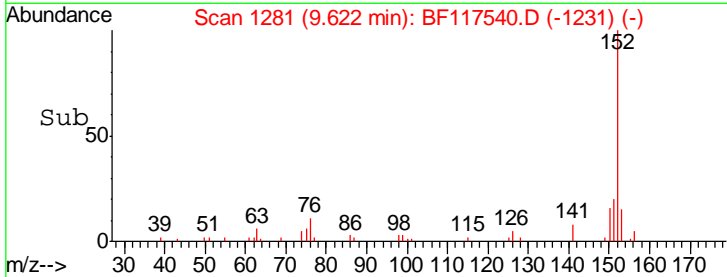
Acq: 25 Oct 2019 17:06



Tgt Ion	Resp	Lower	Upper
152	100		
151	20.5	15.4	23.0
153	14.6	10.3	15.5

Instrument : BNA_F
ClientSampleId : 176-86-(0-2.5)

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#50

Dimethylphthalate

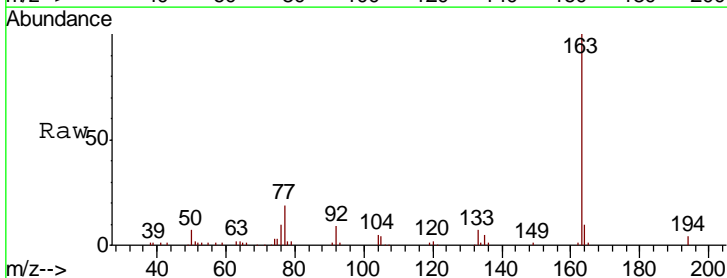
Concen: 13.970 ng

RT: 9.48 min Scan# 1257

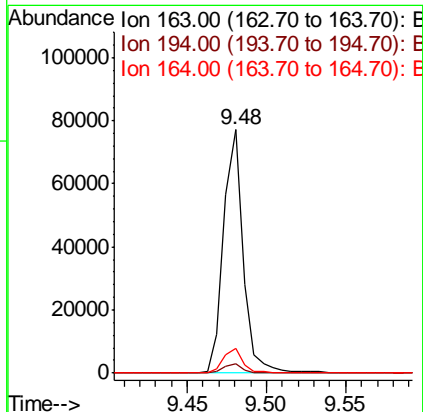
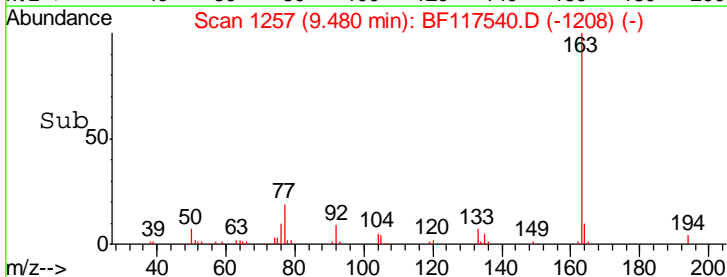
Delta R.T. -0.01 min

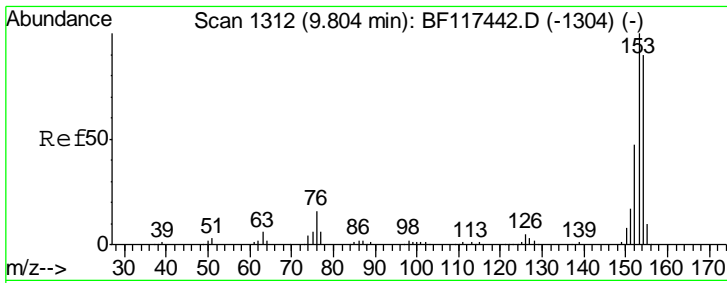
Lab File: BF117540.D

Acq: 25 Oct 2019 17:06



Tgt Ion	Resp	Lower	Upper
163	100		
194	3.6	2.9	4.3
164	10.0	8.2	12.2



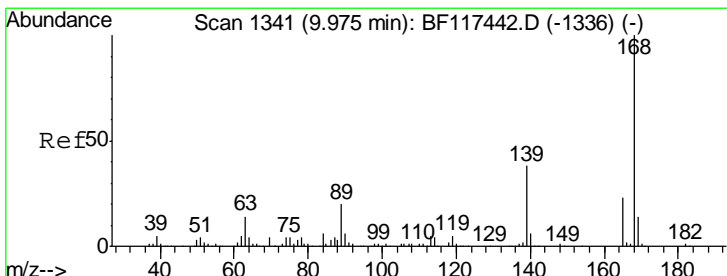
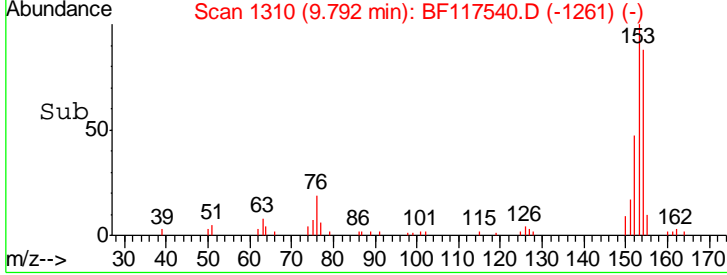
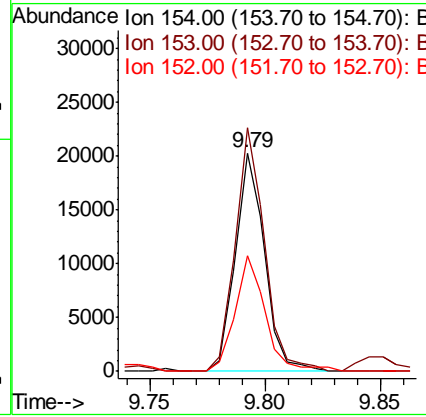
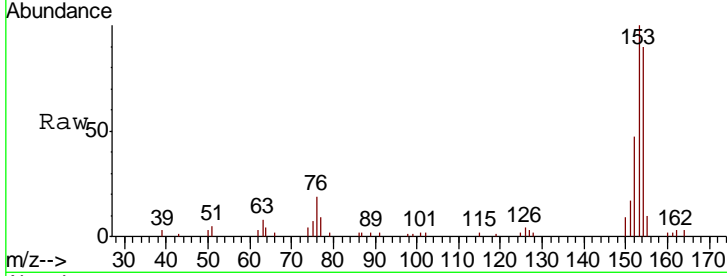


#52
 Acenaphthene
 Concen: 4.758 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

Instrument :
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 176-86-(0-2.5)

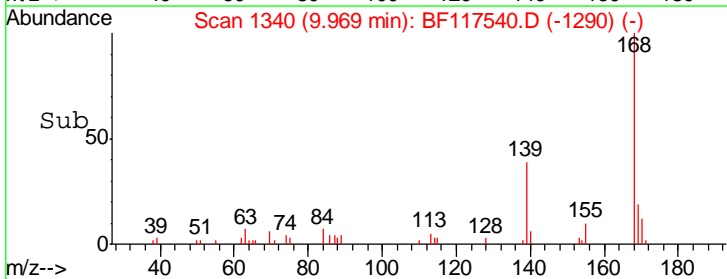
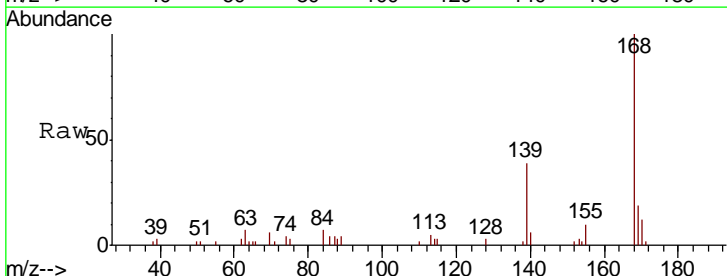
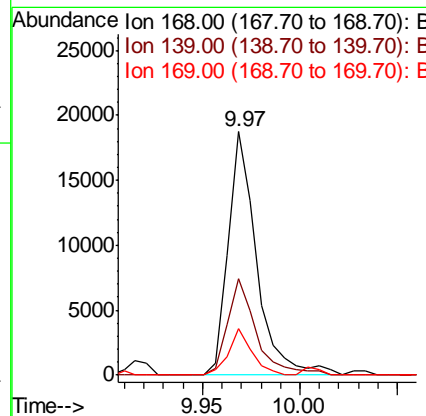
Tgt Ion	Resp	Lower	Upper
154	17840		
153	111.6	89.2	133.8
152	53.0	41.8	62.6

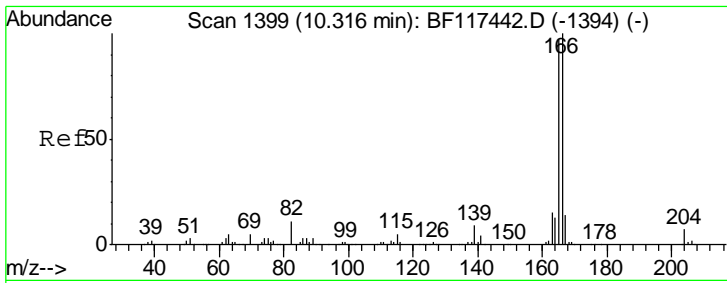
Manual Integrations
APPROVED
 mohammad
 10/29/2019 3:33:26 PM



#55
 Dibenzofuran
 Concen: 3.483 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

Tgt Ion	Resp	Lower	Upper
168	18921		
139	39.4	31.8	47.6
169	18.9	11.2	16.8#





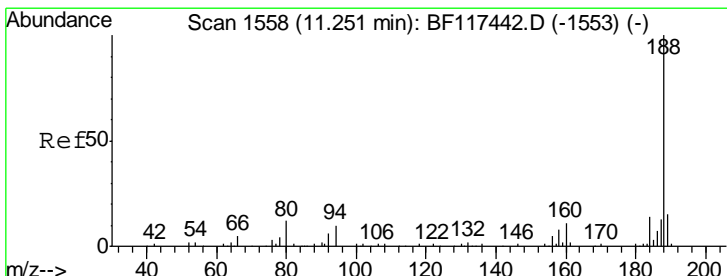
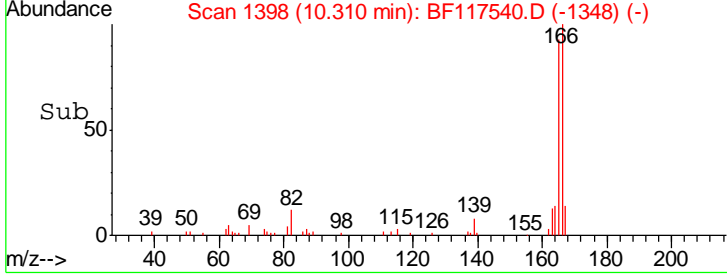
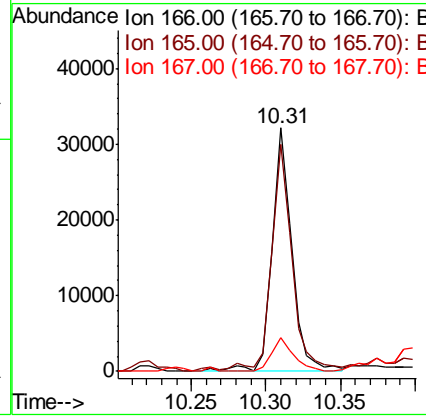
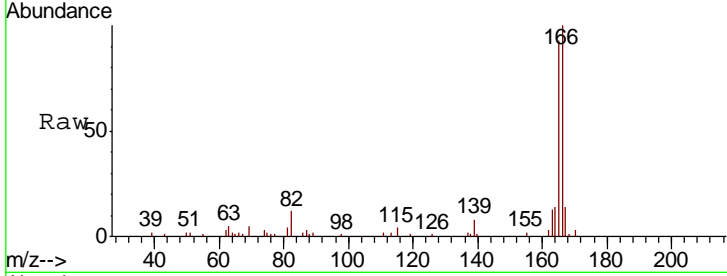
#58
 Fluorene
 Concen: 6.531 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

Instrument :
 BNA_F
Client Sampled :
 176-86-(0-2.5)

Tgt Ion: 166 Resp: 29336

Ion	Ratio	Lower	Upper
166	100		
165	93.0	77.6	116.4
167	13.7	11.0	16.4

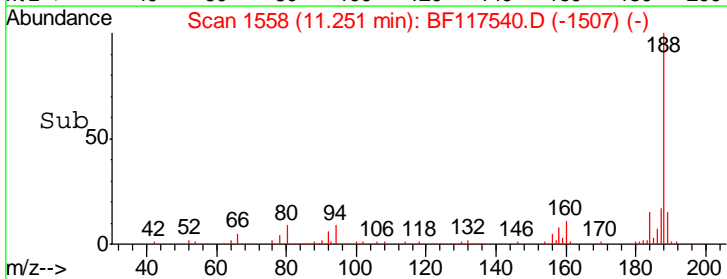
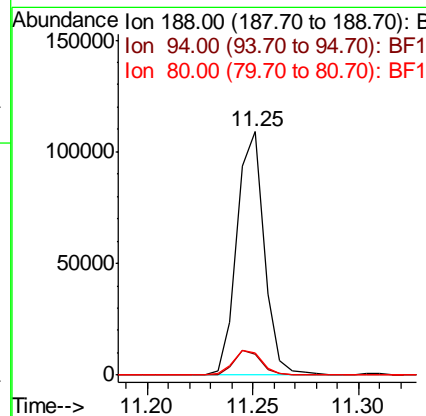
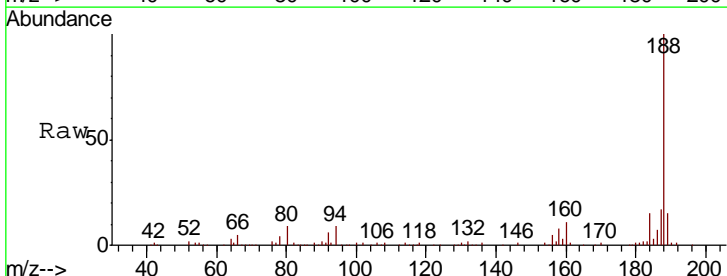
Manual Integrations
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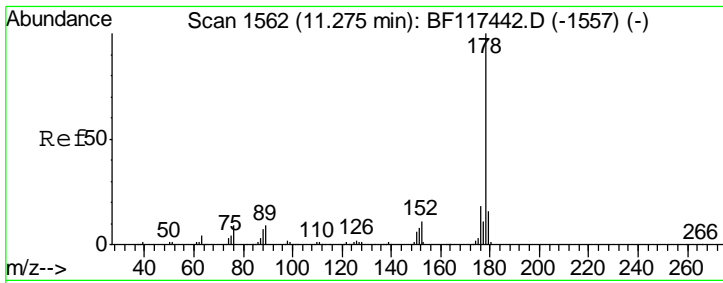


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

Tgt Ion: 188 Resp: 97232

Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.0	12.0
80	9.2	9.5	14.3#





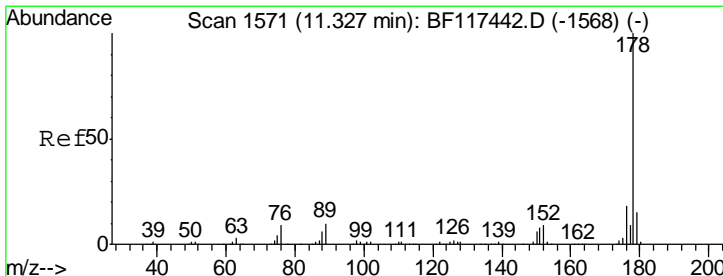
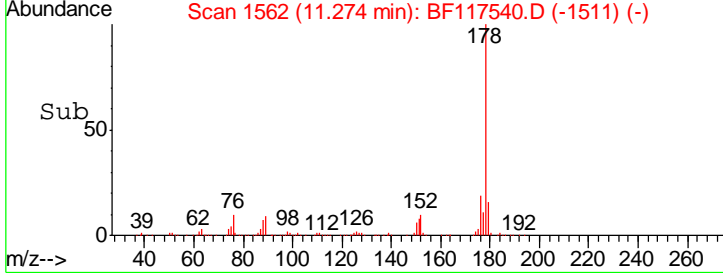
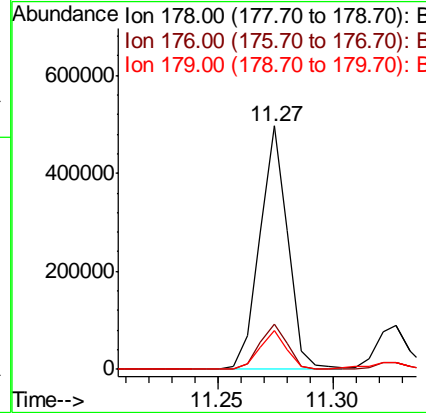
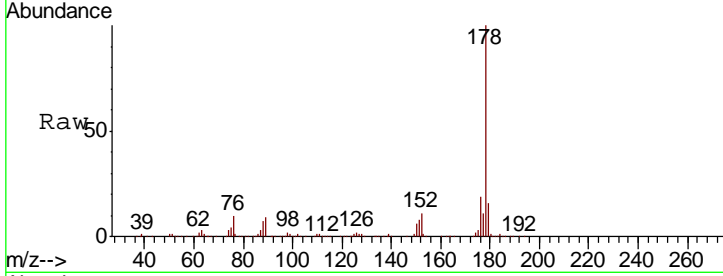
#71
 Phenanthrene
 Concen: 74.342 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

Instrument :
 BNA_F
Client Sampled :
 176-86-(0-2.5)

Tgt Ion	Resp	Lower	Upper
178	419725		
176	18.8	14.6	22.0
179	15.9	12.6	19.0

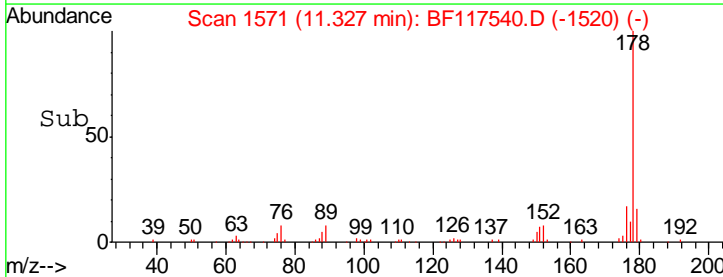
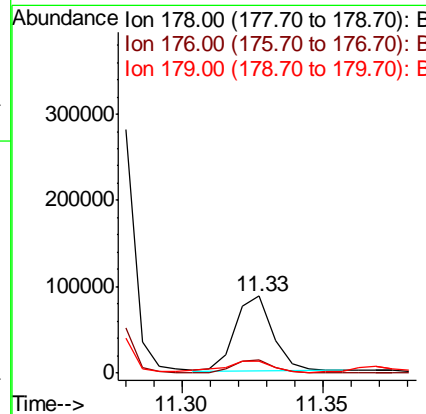
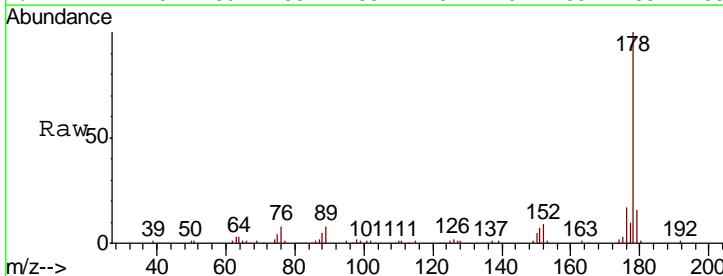
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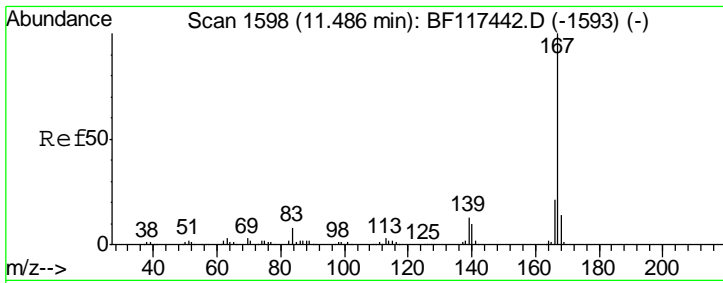
mohammad
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#72
 Anthracene
 Concen: 14.148 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

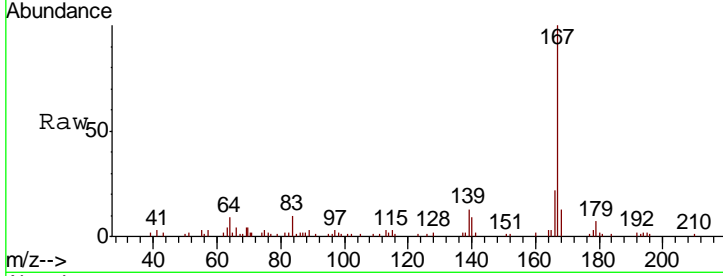
Tgt Ion	Resp	Lower	Upper
178	81957		
176	16.8	14.7	22.1
179	15.8	12.2	18.2





#73
 Carbazole
 Concen: 6.991 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

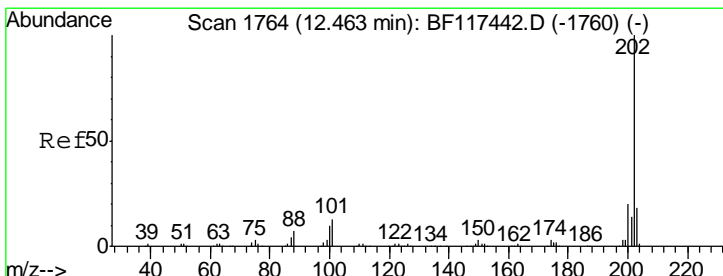
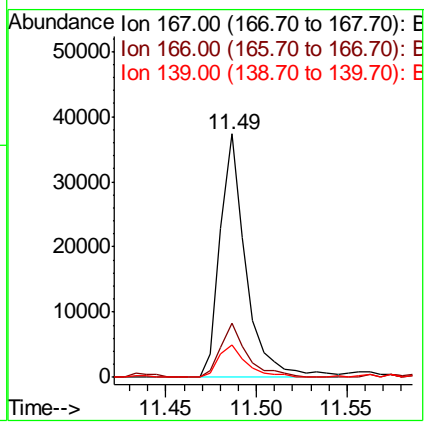
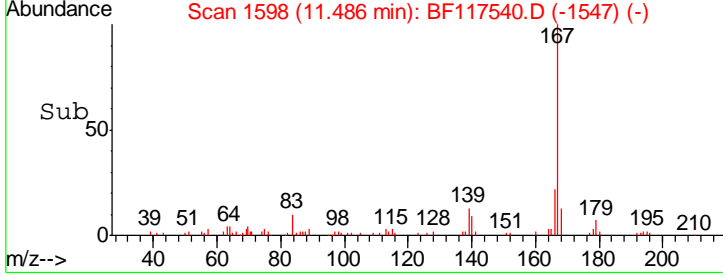
Instrument :
 BNA_F
Client Sampled :
 176-86-(0-2.5)



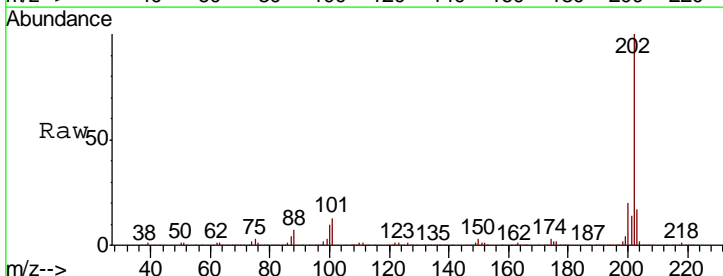
Tgt Ion: 167 Resp: 37011

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.0	25.6
139	13.5	10.6	16.0

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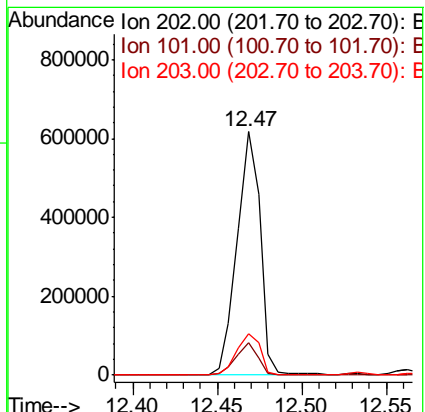
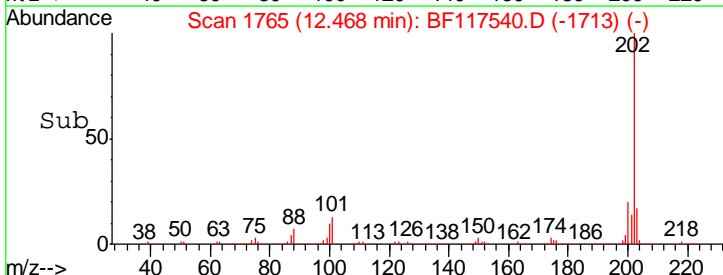


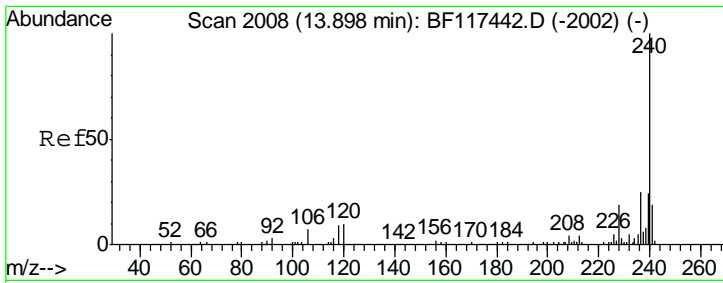
#75
 Fluoranthene
 Concen: 104.846 ng
 RT: 12.47 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06



Tgt Ion: 202 Resp: 592588

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	32.7
203	17.2	0.0	37.6





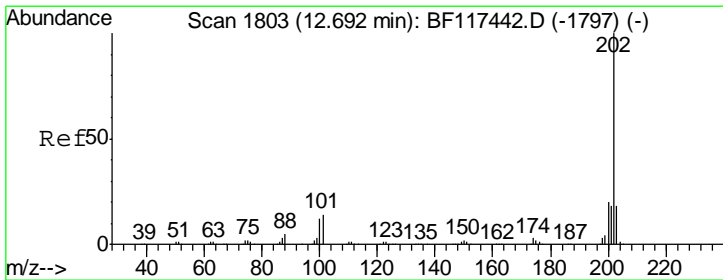
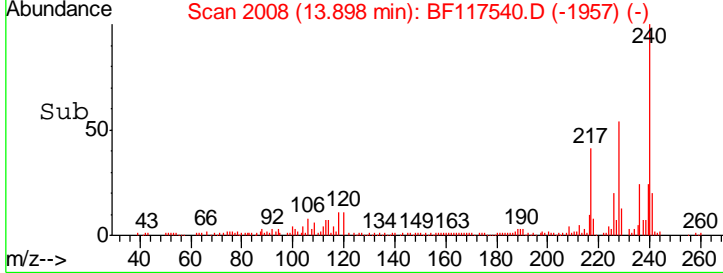
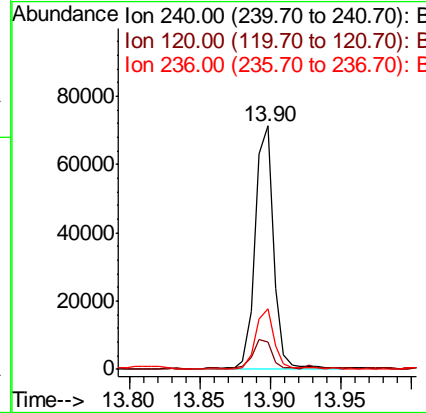
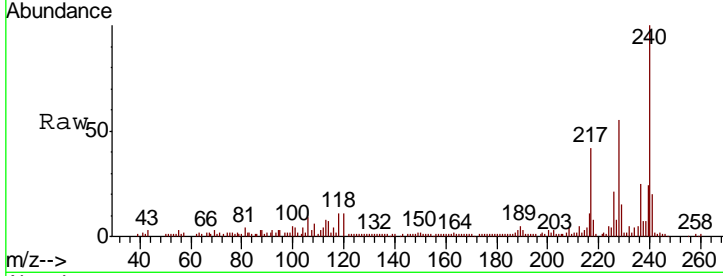
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

Instrument :
 BNA_F
ClientSampled :
 176-86-(0-2.5)

Tgt Ion	Resp	Lower	Upper
240	66132		
240	100		
120	11.4	8.4	12.6
236	24.7	20.0	30.0

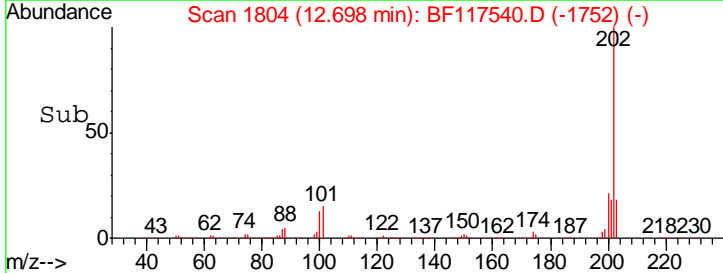
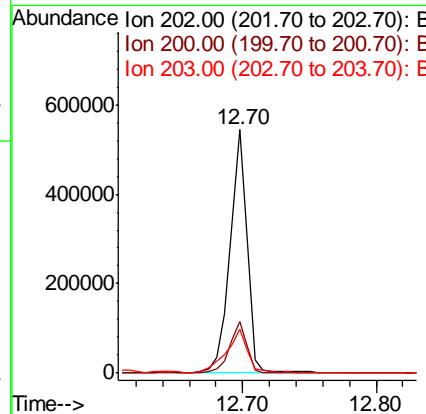
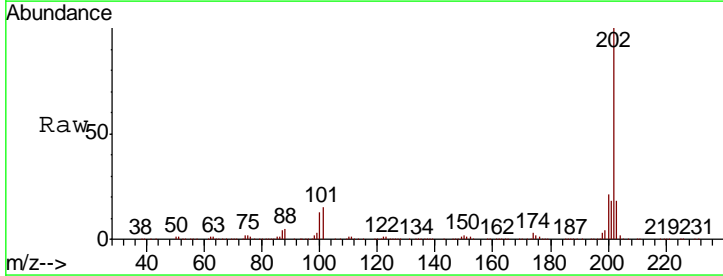
Manual Integrations
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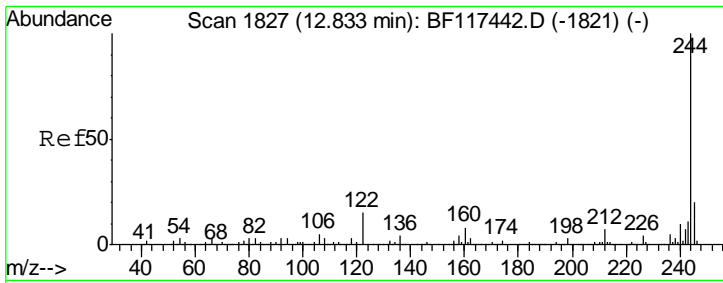
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#78
 Pyrene
 Concen: 86.827 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

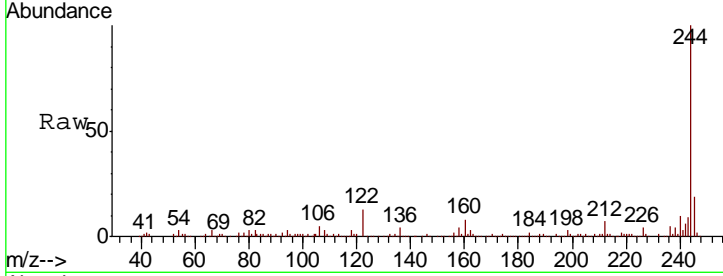
Tgt Ion	Resp	Lower	Upper
202	493210		
202	100		
200	21.3	16.2	24.2
203	18.0	14.0	21.0





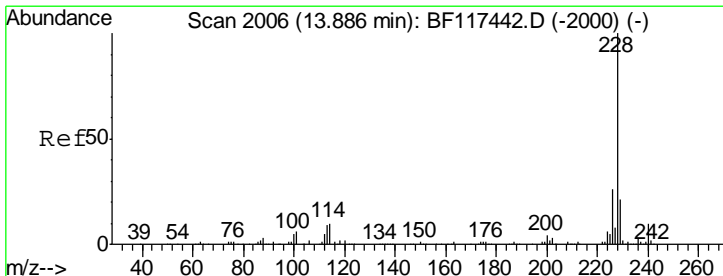
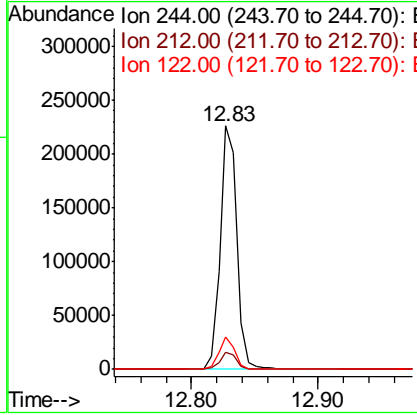
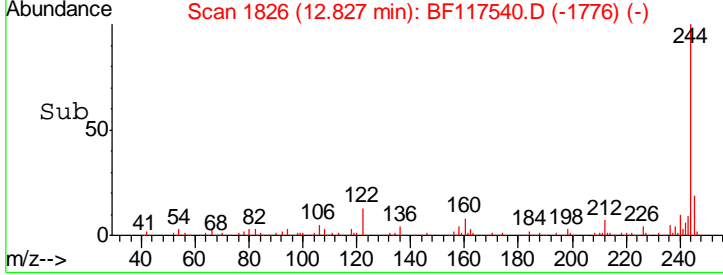
#79
 Terphenyl-d14
 Concen: 51.452 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

Instrument :
 BNA_F
Client Sampled :
 176-86-(0-2.5)

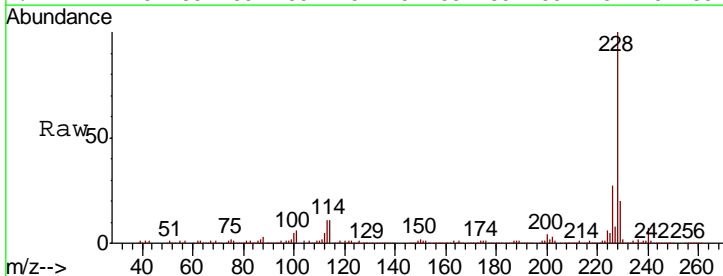


Tgt Ion	Resp	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	13.4	11.8	17.8

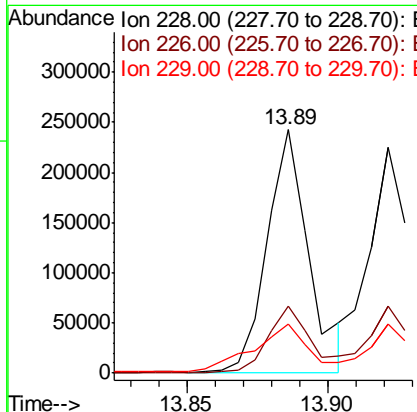
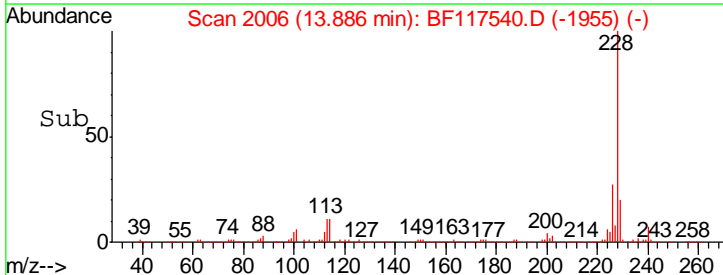
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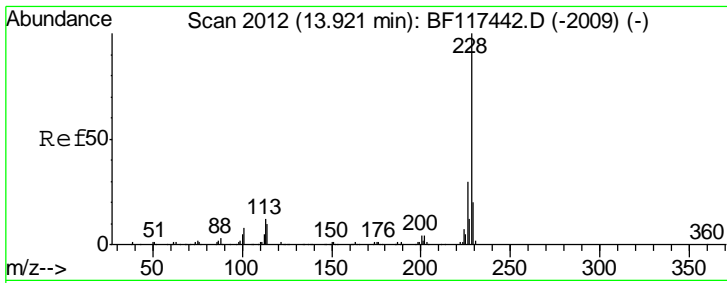


#81
 Benzo(a)anthracene
 Concen: 55.055 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06



Tgt Ion	Resp	Lower	Upper
228	100		
226	27.3	21.0	31.4
229	20.2	16.4	24.6





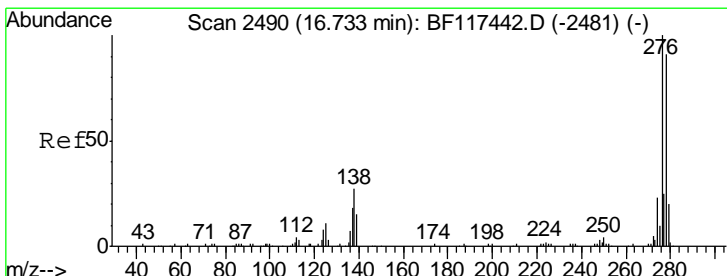
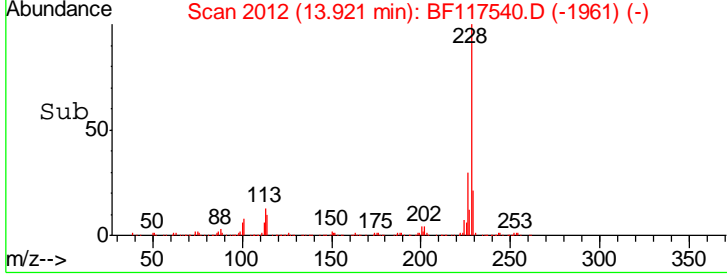
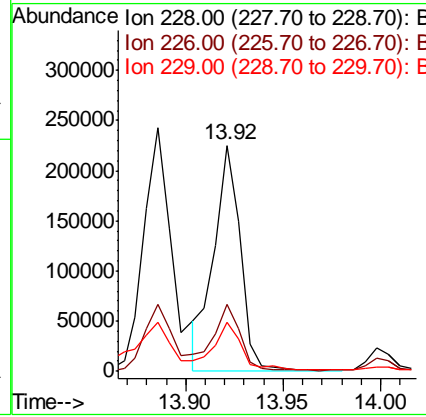
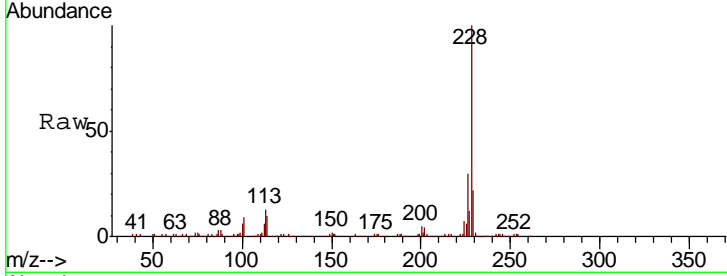
#83
 Chrysene
 Concen: 48.394 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.00 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

Instrument :
 BNA_F
ClientSampled :
 176-86-(0-2.5)

Tgt Ion	Resp	Lower	Upper
228	100		
226	29.8	23.9	35.9
229	21.7	15.8	23.6

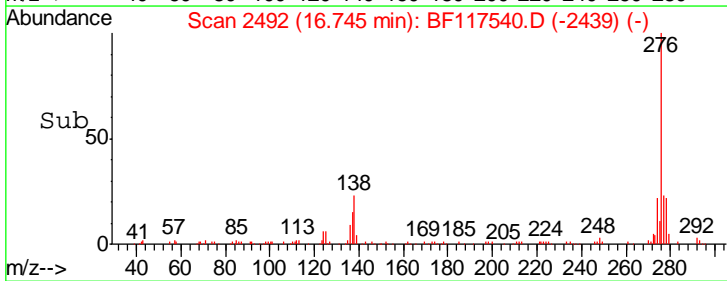
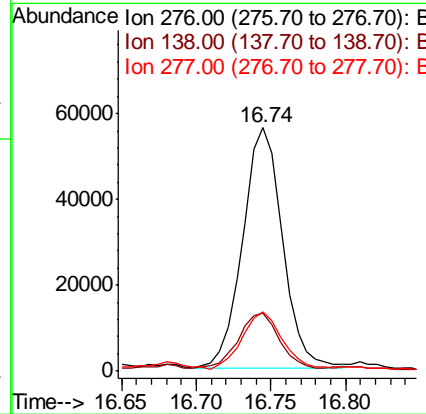
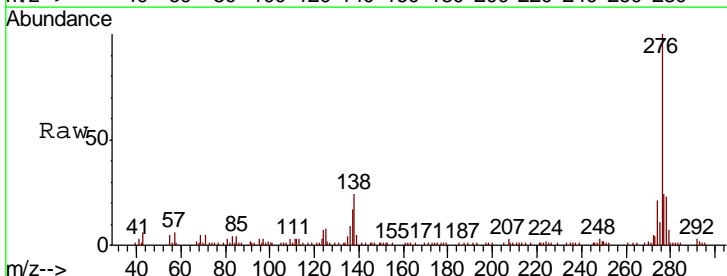
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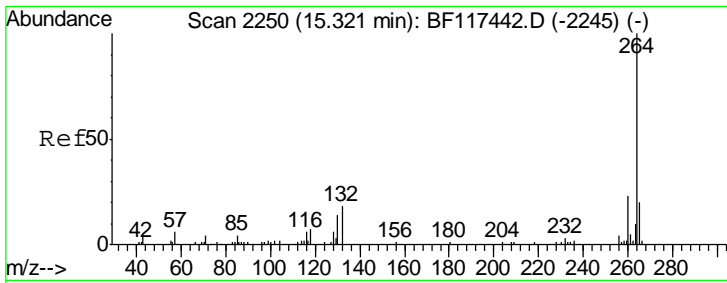
mohammad
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#86
 Indeno(1,2,3-cd)pyrene
 Concen: 31.666 ng
 RT: 16.74 min Scan# 2492
 Delta R.T. 0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

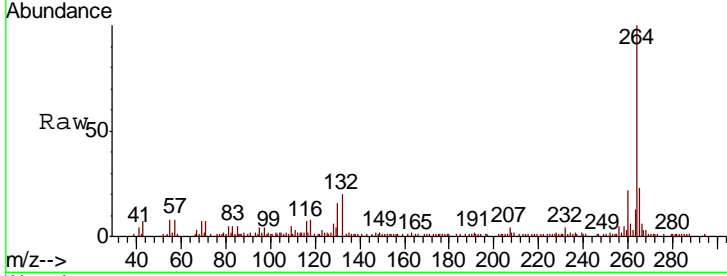
Tgt Ion	Resp	Lower	Upper
276	100		
138	25.1	21.8	32.8
277	23.9	20.0	30.0





#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

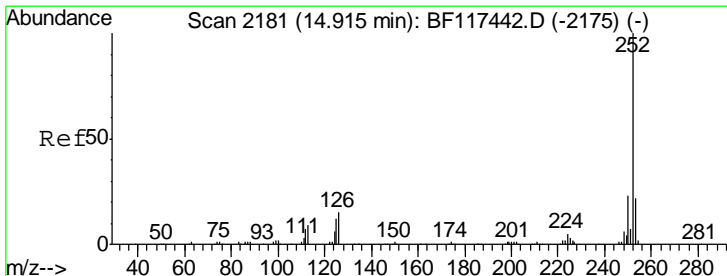
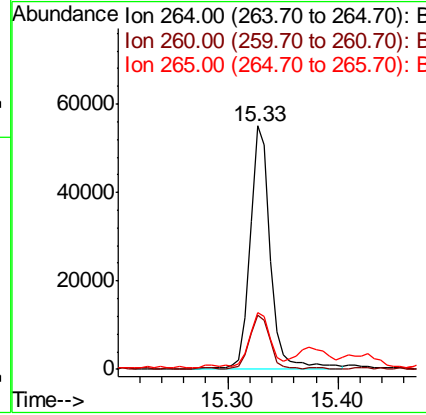
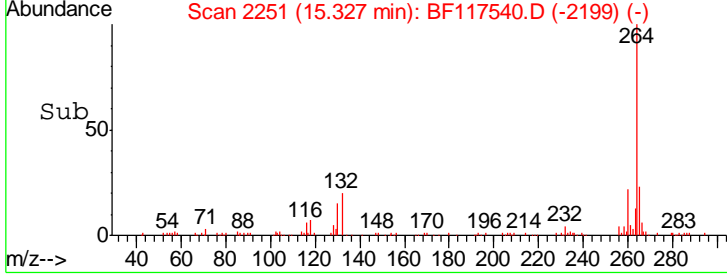
Instrument :
 BNA_F
ClientSampled :
 176-86-(0-2.5)



Tgt Ion	Resp	Lower	Upper
264	100		
260	22.4	18.4	27.6
265	23.4	16.1	24.1

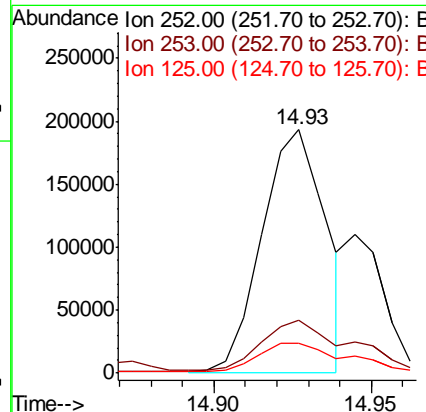
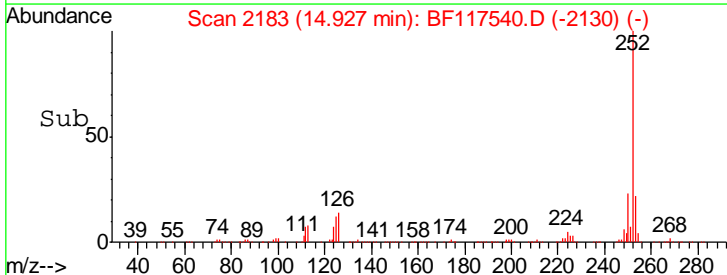
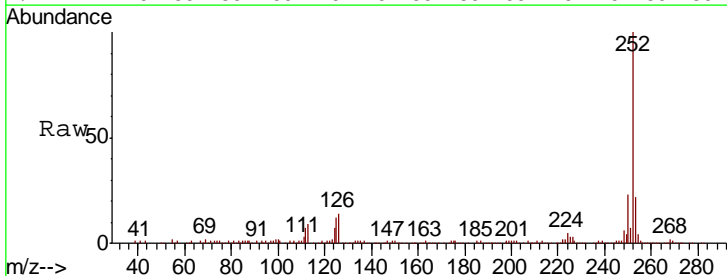
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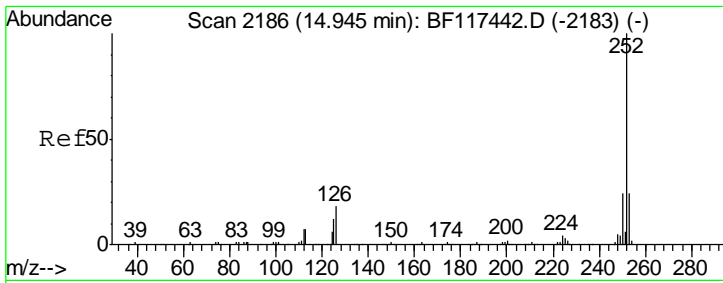
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#88
 Benzo(b)fluoranthene
 Concen: 64.821 ng m
 RT: 14.93 min Scan# 2183
 Delta R.T. 0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

Tgt Ion	Resp	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	12.5	9.9	14.9





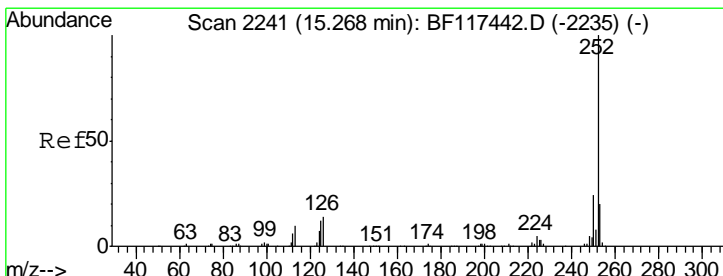
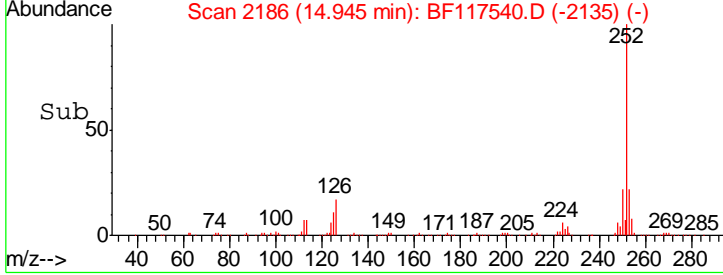
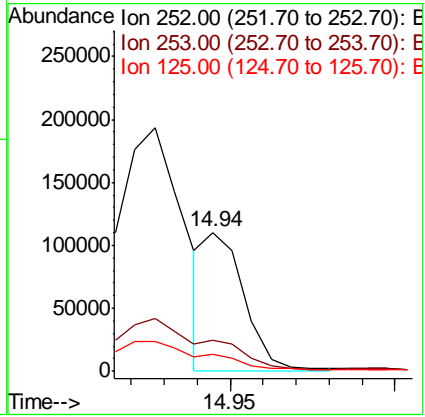
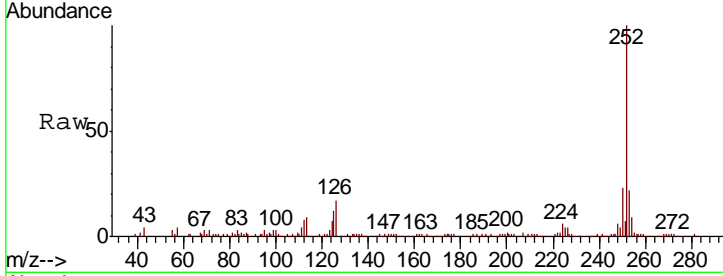
#89
 Benzo(k)fluoranthene
 Concen: 21.572 ng m
 RT: 14.94 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

Instrument :
 BNA_F
 Client Sampled :
 176-86-(0-2.5)

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	12.1	8.9	13.3

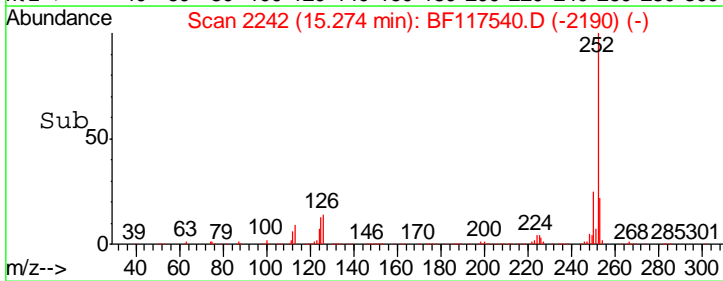
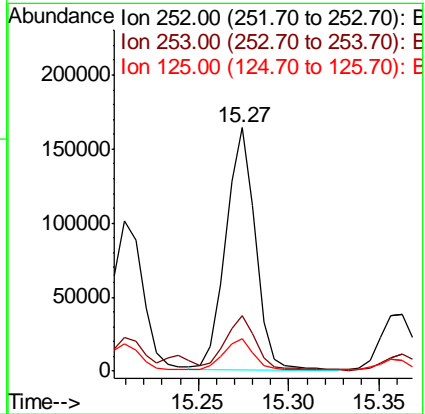
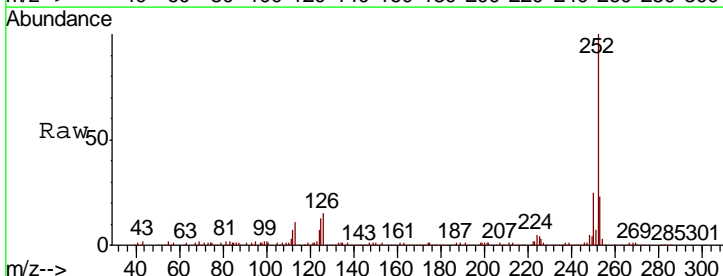
Manual Integrations
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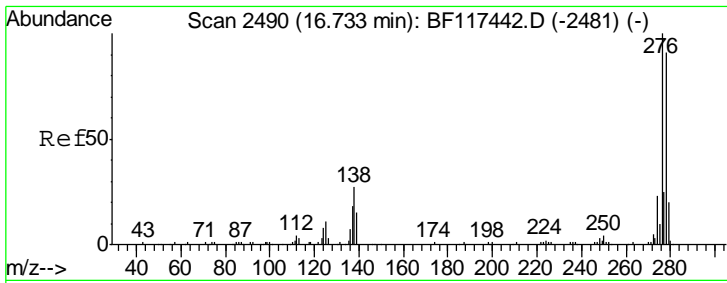
mohammad
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#90
 Benzo(a)pyrene
 Concen: 48.616 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

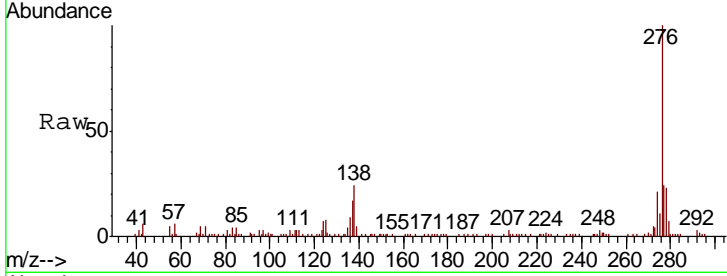
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.0	16.3	24.5
125	13.4	9.2	13.8





#91
 Dibenzo(a,h)anthracene
 Concen: 7.483 ng
 RT: 16.74 min Scan# 2492
 Delta R.T. 0.01 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06

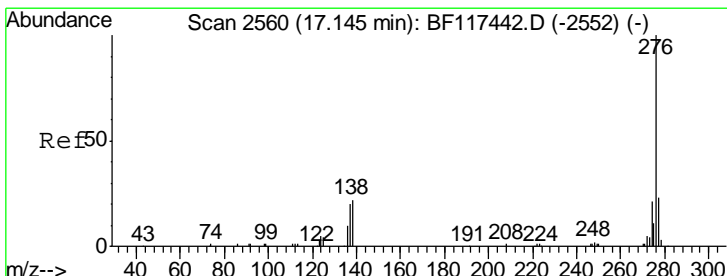
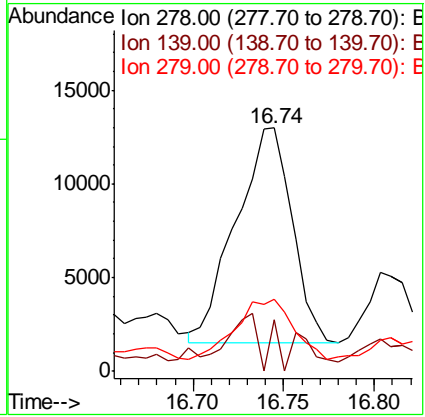
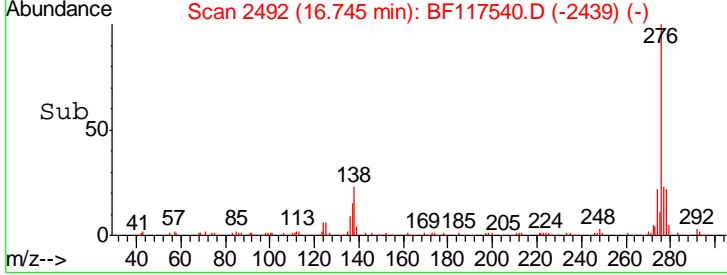
Instrument :
 BNA_F
 Client Sampled :
 176-86-(0-2.5)



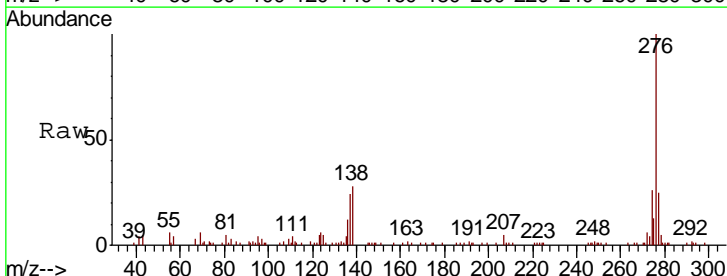
Tgt Ion	Ratio	Lower	Upper
278	100		
276	100		
139	21.0	13.4	20.0#
279	29.5	17.8	26.6#

Manual Integrations
 APPROVED

mohammad
 10/29/2019 3:33:26 PM



#92
 Benzo(g,h,i)perylene
 Concen: 28.858 ng m
 RT: 17.17 min Scan# 2564
 Delta R.T. 0.02 min
 Lab File: BF117540.D
 Acq: 25 Oct 2019 17:06



Tgt Ion	Ratio	Lower	Upper
276	100		
276	100		
277	24.9	18.4	27.6
138	27.7	17.8	26.6#

