

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
 Data File : BF115756.D
 Acq On : 25 Jul 2019 13:04
 Operator : HP/JU
 Sample : K3943-01DL 20X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-71619DL

Manual Integrations
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mohammad
 7/26/2019 3:02:45 PM

Quant Time: Jul 26 06:32:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 25 13:16:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	129300	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	555257	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	306282	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	521333	20.00	ng	0.00
76) Chrysene-d12	14.03	240	345361	20.00	ng	0.00
87) Perylene-d12	15.50	264	415795	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	33086	4.19	ng	0.00
7) Phenol-d6	6.50	99	48800	4.87	ng	0.00
23) Nitrobenzene-d5	7.43	82	29090	3.05	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	14258	3.99	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	76777	4.39	ng	-0.01
79) Terphenyl-d14	12.97	244	82594	4.41	ng	-0.01

Target Compounds

						Qvalue
31) Naphthalene	8.17	128	105096	3.908	ng	99
37) 2-Methylnaphthalene	8.86	142	80624	4.523	ng	99
38) 1-Methylnaphthalene	8.96	142	69038	4.078	ng	98
49) Acenaphthylene	9.76	152	70257	2.378	ng	97
52) Acenaphthene	9.94	154	45664	2.394	ng	95
58) Fluorene	10.45	166	105466	5.447	ng	96
71) Phenanthrene	11.42	178	709994	26.569	ng	99
72) Anthracene	11.47	178	132289	4.790	ng	97
75) Fluoranthene	12.60	202	565037	20.009	ng	98
78) Pyrene	12.83	202	672968	22.999	ng	99
81) Benzo(a)anthracene	14.02	228	234031	10.286	ng	93
83) Chrysene	14.06	228	253173	11.084	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	132533	6.830	ng	96
88) Benzo(b)fluoranthene	15.07	252	254333m	9.499	ng	
89) Benzo(k)fluoranthene	15.09	252	85297m	3.573	ng	
90) Benzo(a)pyrene	15.43	252	207626	9.023	ng	98
92) Benzo(a,h,i)perylene	17.42	276	140472	6.972	ng	96

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

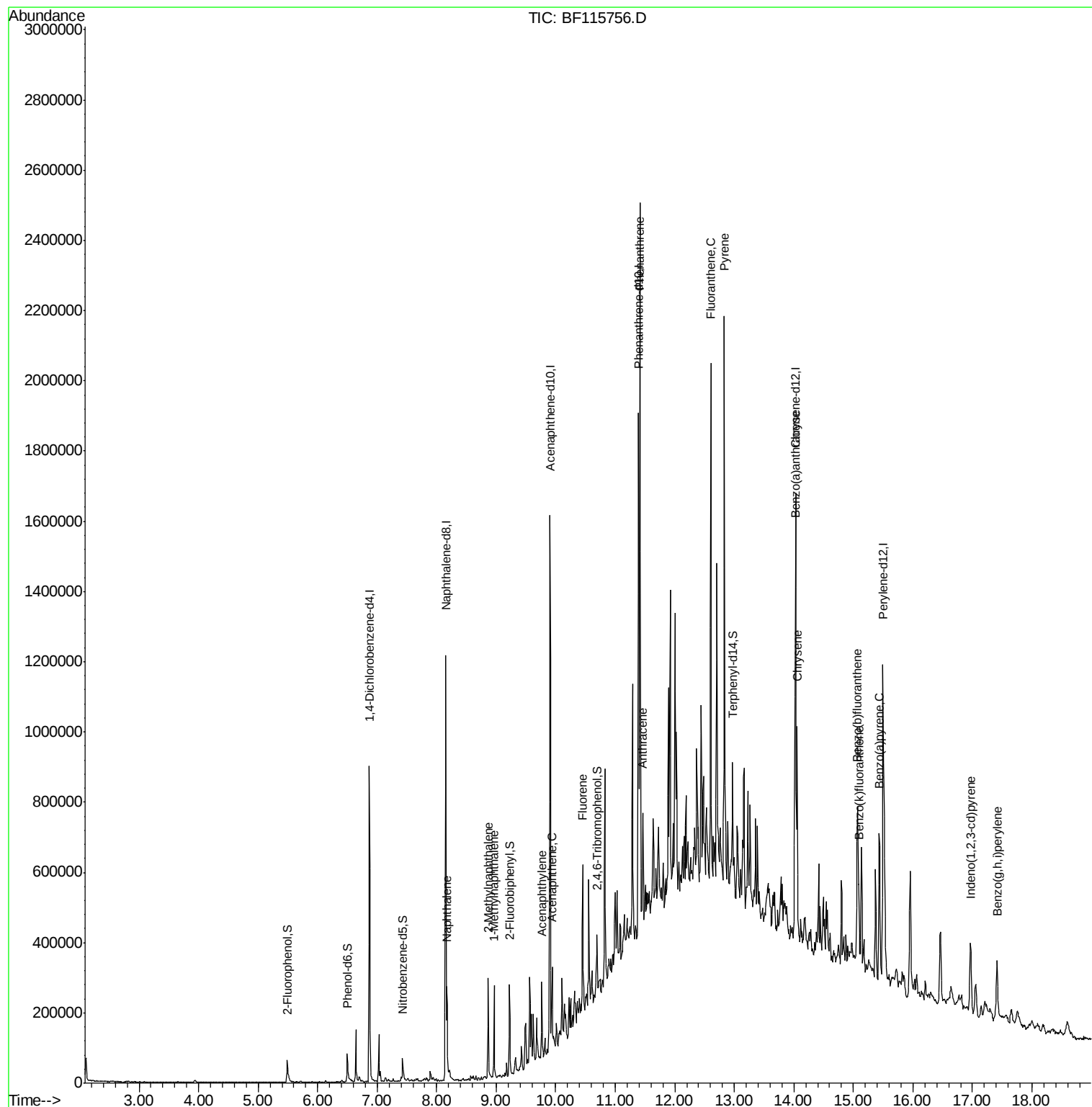
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
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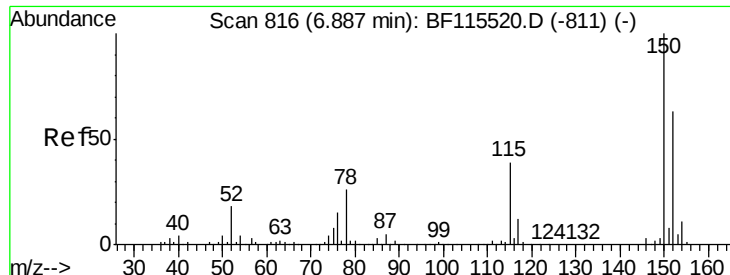
Instrument :
BNA_F
ClientSampleId :
PA-71619DL

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Quant Time: Jul 26 06:32:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 25 13:16:07 2019
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#1

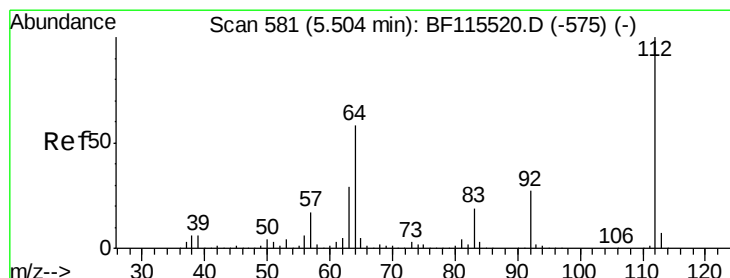
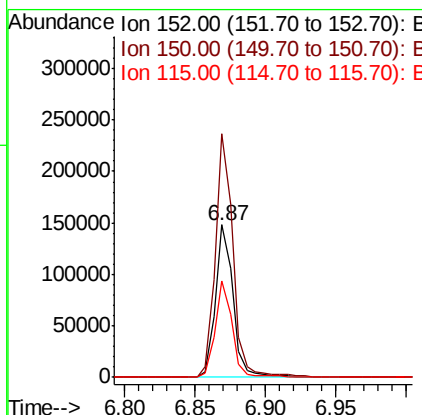
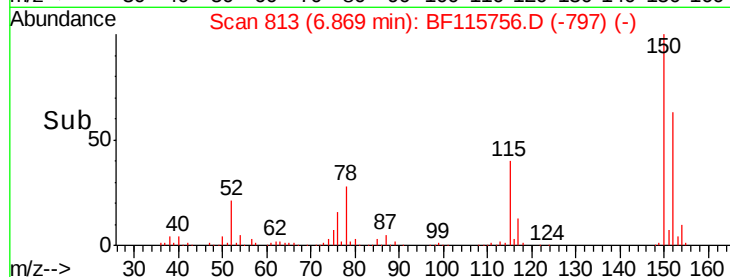
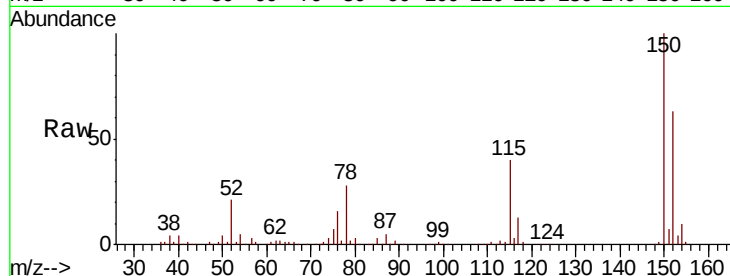
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF115756.D
Acq: 25 Jul 2019 13:04

Instrument :
BNA_F
ClientSampleId :
PA-71619DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	126.6	189.8
115	63.5	47.8	71.6

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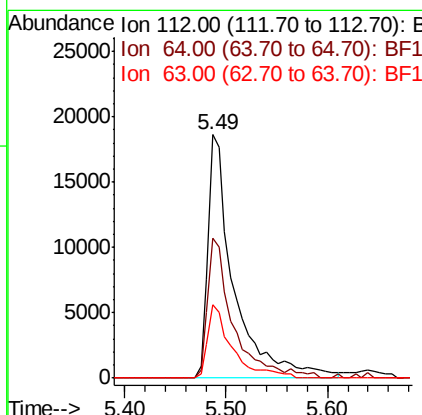
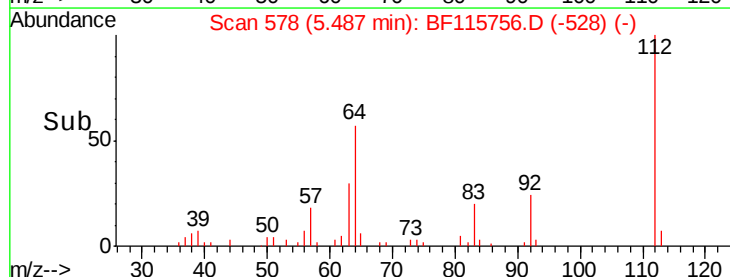
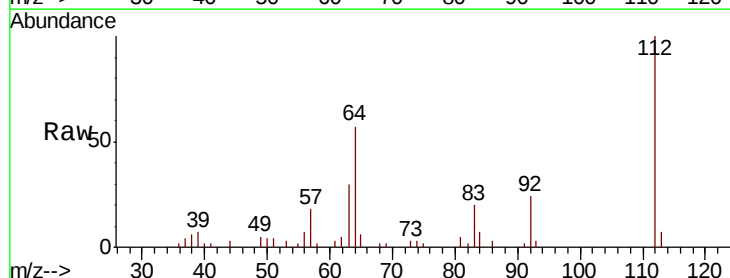
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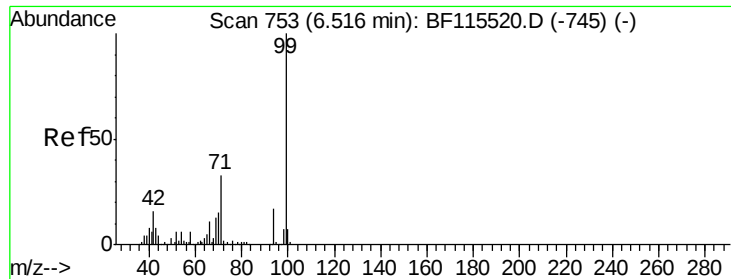


#5

2-Fluorophenol
Concen: 4.186 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF115756.D
Acq: 25 Jul 2019 13:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	45.8	68.8
63	30.0	23.6	35.4





#7

Phenol-d6

Concen: 4.865 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF115756.D

Acq: 25 Jul 2019 13:04

Instrument :

BNA_F

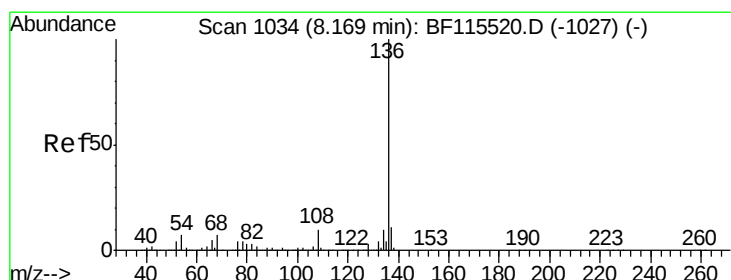
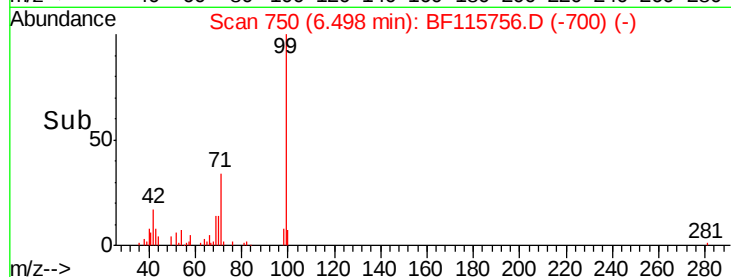
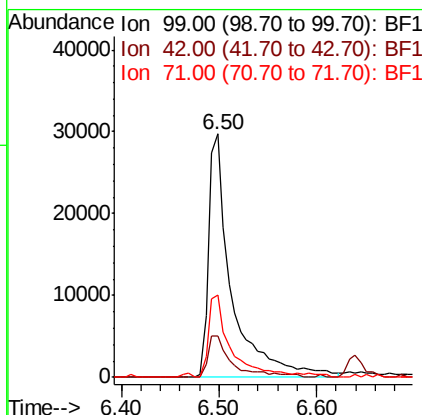
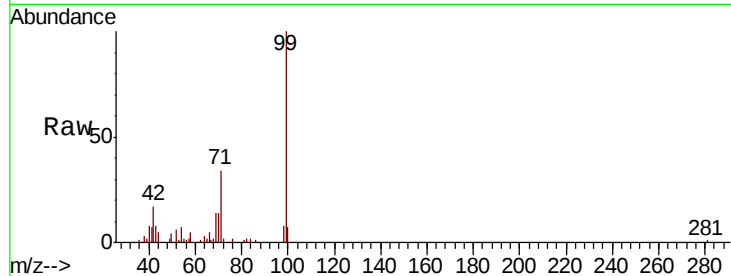
ClientSampleId :

PA-71619DL

Tot Ion:	99	Resp:	48800
Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.4	20.2
71	33.7	26.7	40.1

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#21

Naphthalene-d8

Concen: 20.000 ng

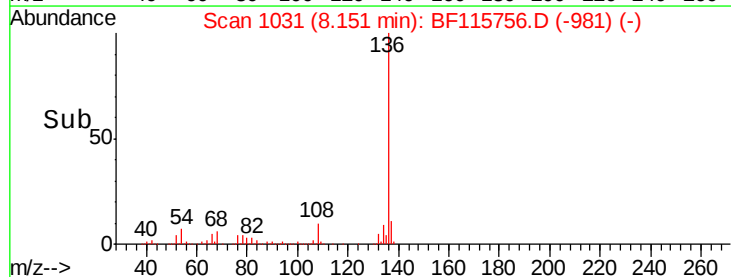
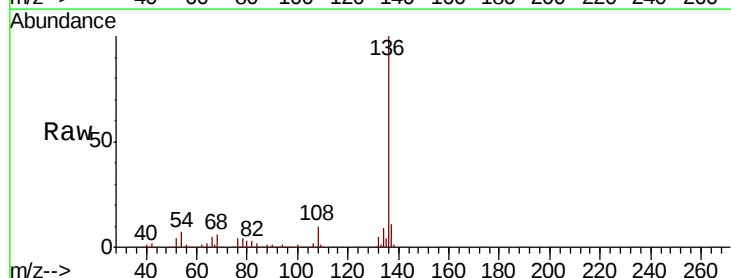
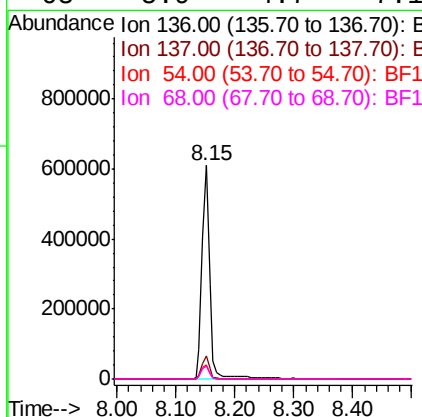
RT: 8.15 min Scan# 1031

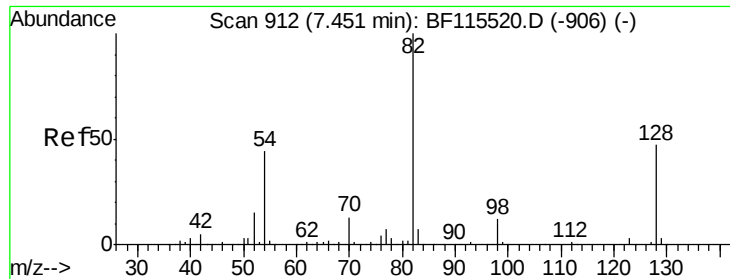
Delta R.T. -0.01 min

Lab File: BF115756.D

Acq: 25 Jul 2019 13:04

Tgt Ion:	136	Resp:	555257
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.6	5.0	7.6
68	5.9	4.7	7.1





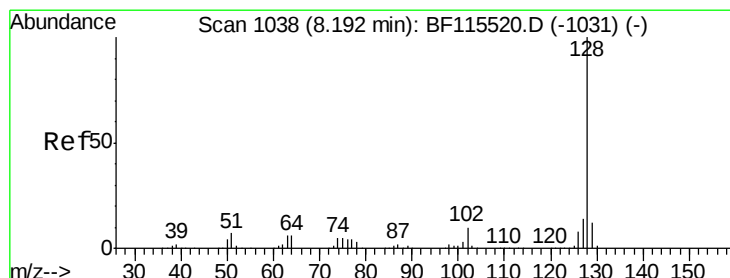
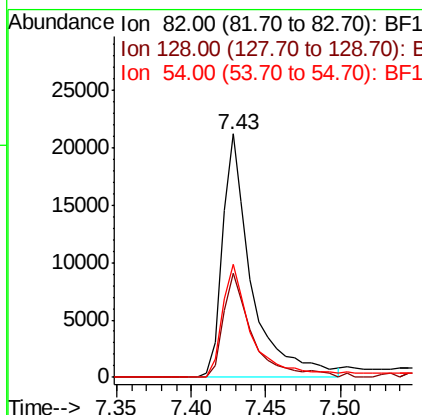
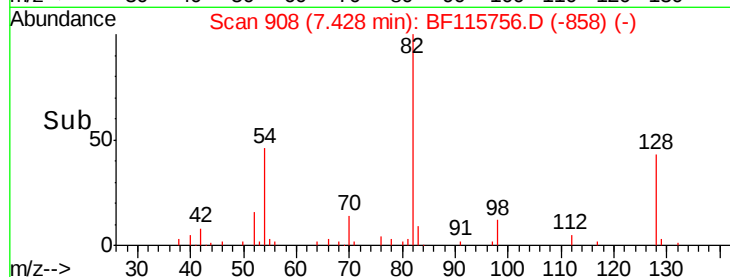
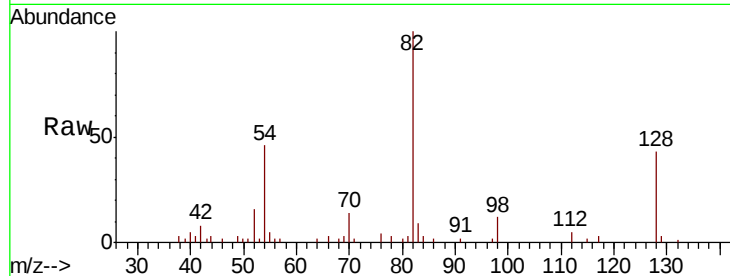
#23
 Nitrobenzene-d5
 Concen: 3.046 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF115756.D
 Acq: 25 Jul 2019 13:04

Instrument :
 BNA_F
 ClientSampled :
 PA-71619DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.6	55.0
54	46.3	36.6	54.8

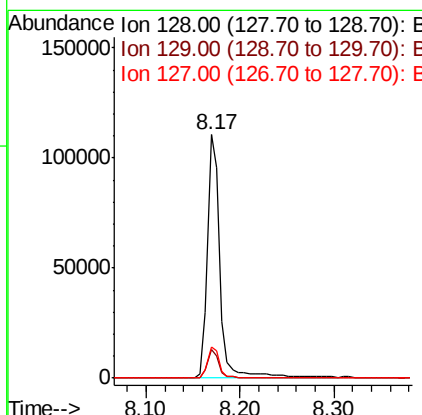
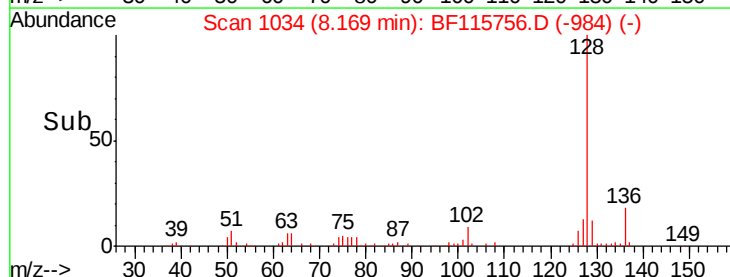
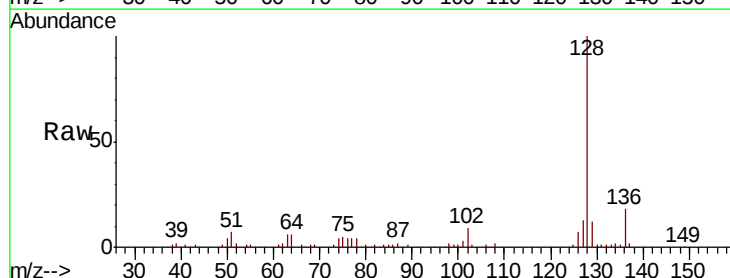
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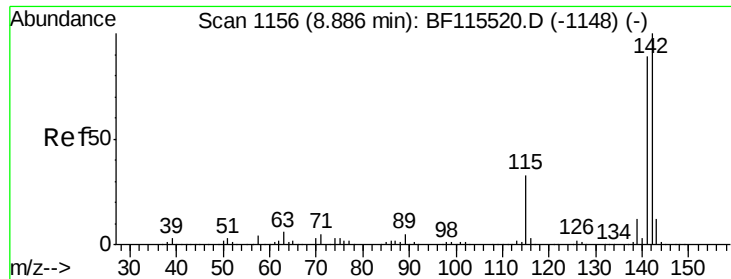
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#31
 Naphthalene
 Concen: 3.908 ng
 RT: 8.17 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BF115756.D
 Acq: 25 Jul 2019 13:04

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.4	14.2
127	12.9	10.9	16.3





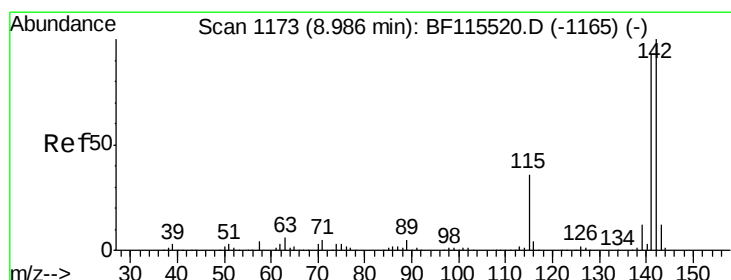
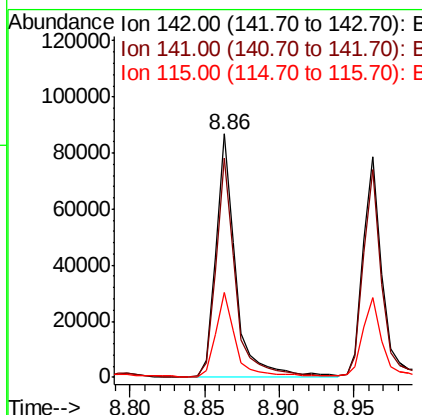
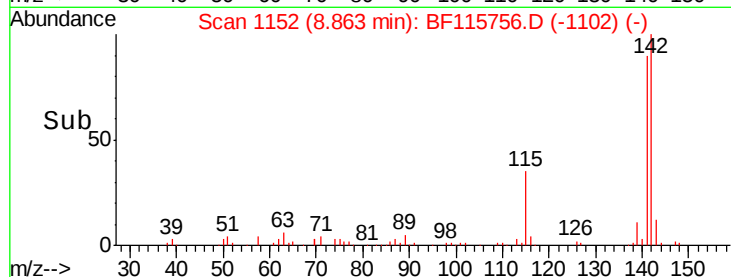
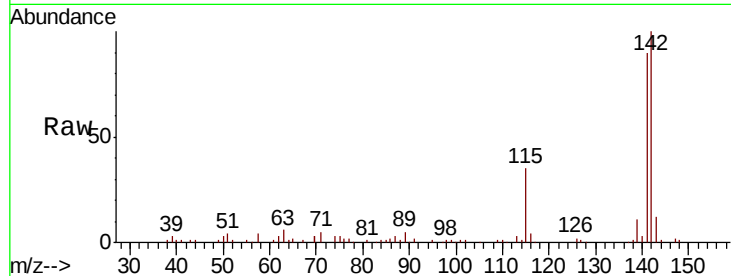
#37
2-Methylnaphthalene
Concen: 4.523 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF115756.D
Acq: 25 Jul 2019 13:04

Instrument :
BNA_F
ClientSampleID :
PA-71619DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	71.0	106.4
115	34.9	27.7	41.5

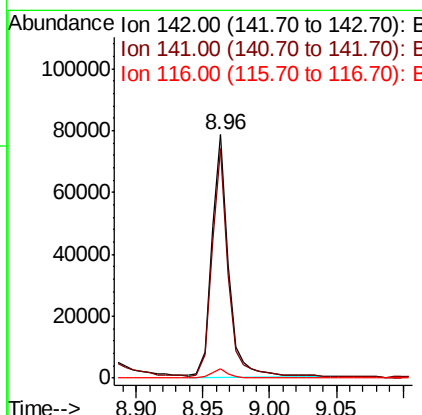
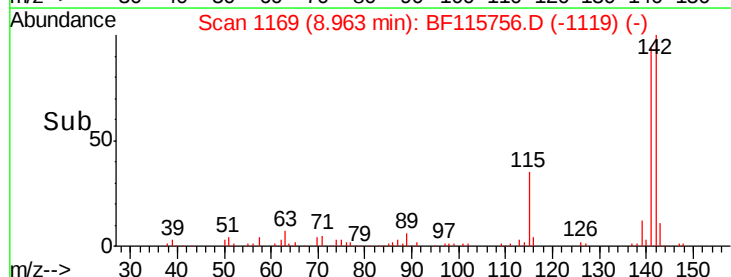
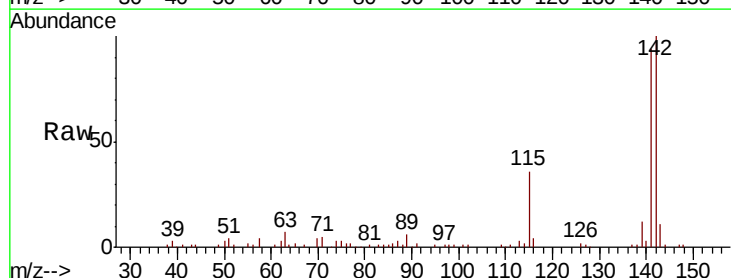
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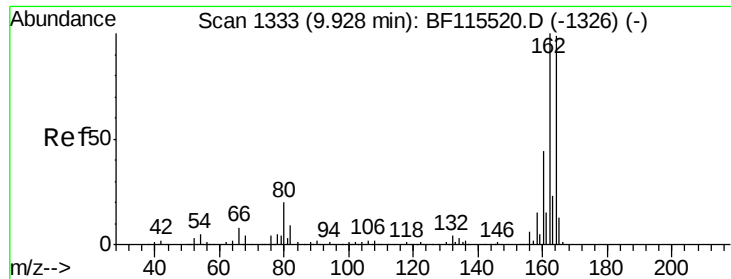
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#38
1-Methylnaphthalene
Concen: 4.078 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF115756.D
Acq: 25 Jul 2019 13:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.4	73.9	110.9
116	3.9	3.0	4.6





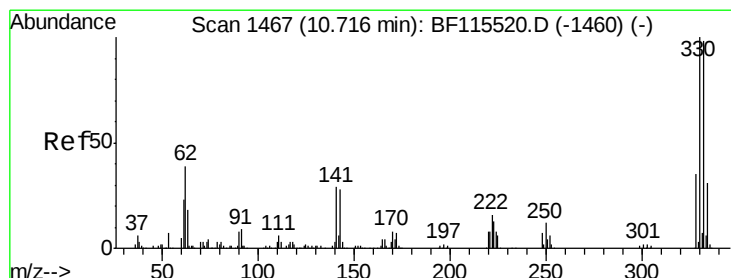
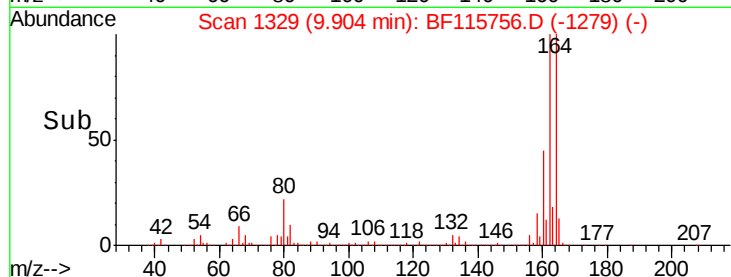
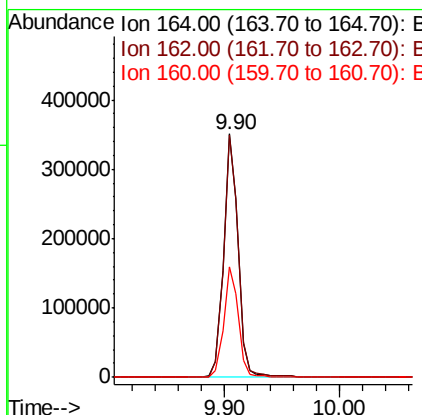
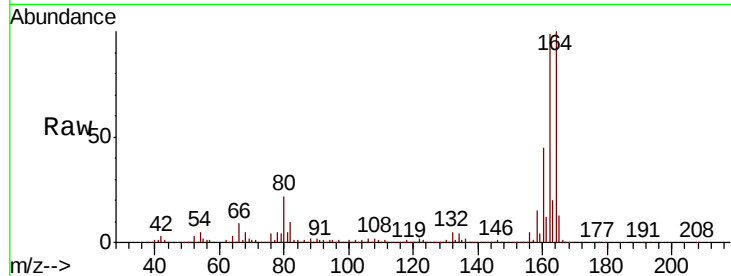
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: BF115756.D
 Acq: 25 Jul 2019 13:04

Instrument :
 BNA_F
 ClientSampleId :
 PA-71619DL

Tot Ion:	164	Resp:	306282
Ion Ratio	Lower	Upper	
164	100		
162	99.4	81.8	122.6
160	45.3	37.5	56.3

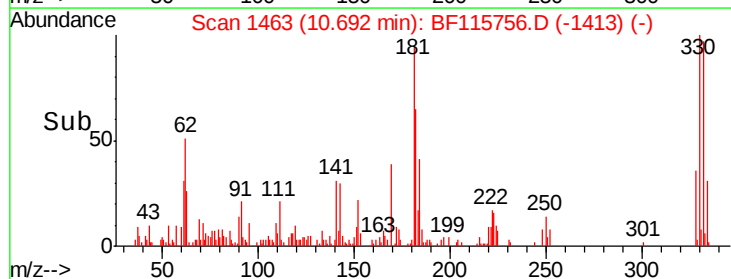
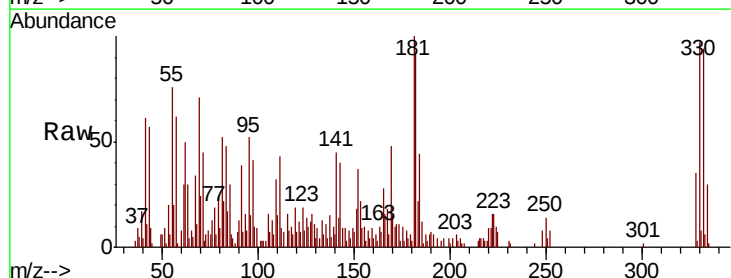
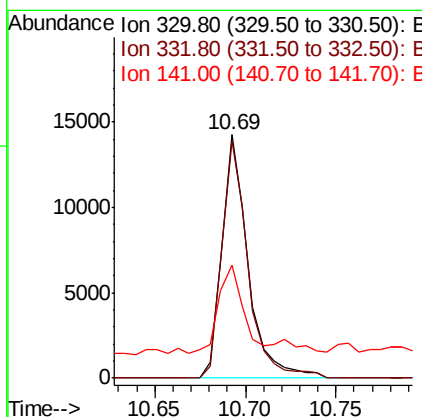
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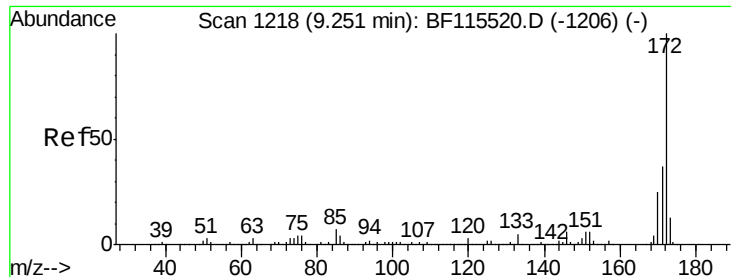
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#42
 2,4,6-Tribromophenol
 Concen: 3.988 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF115756.D
 Acq: 25 Jul 2019 13:04

Tgt Ion:	330	Resp:	14258
Ion Ratio	Lower	Upper	
330	100		
332	97.9	76.1	114.1
141	35.5	25.9	38.9





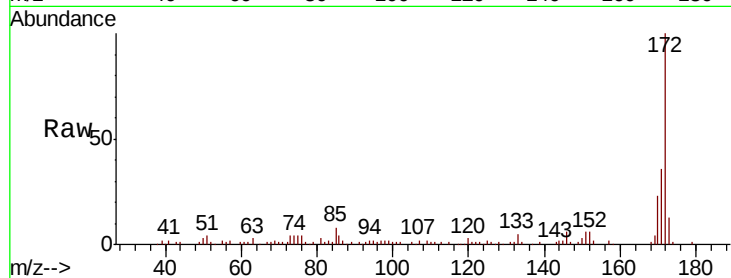
#45
2-Fluorobiphenyl
Concen: 4.388 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF115756.D
Acq: 25 Jul 2019 13:04

Instrument :
BNA_F
ClientSampleId :
PA-71619DL

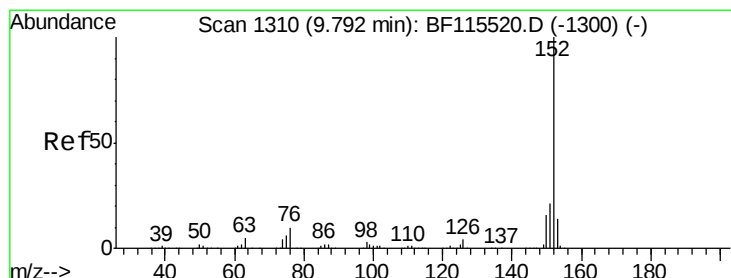
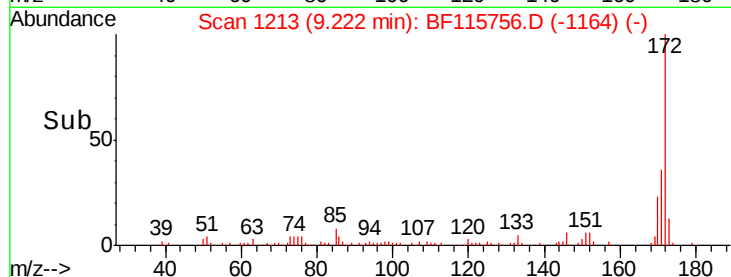
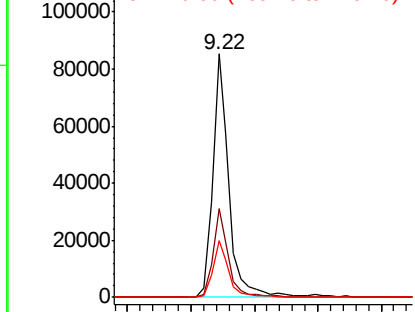
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	23.2	20.1	30.1

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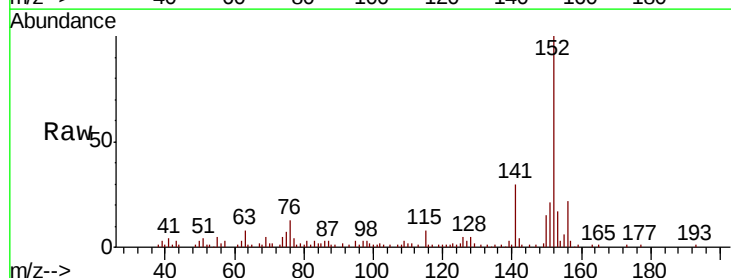


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

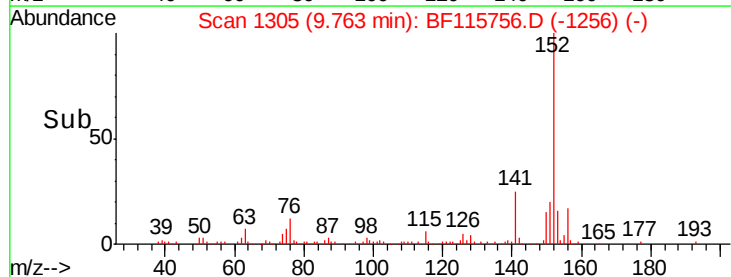
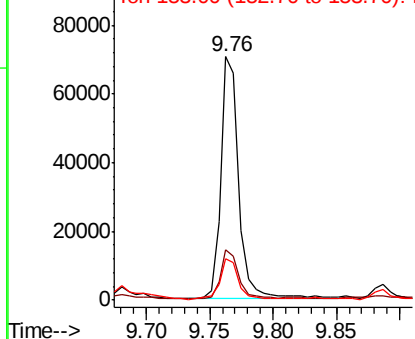


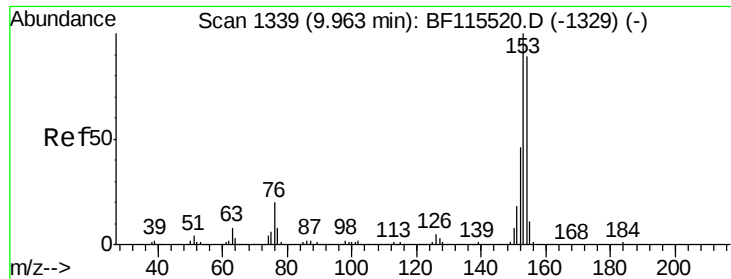
#49
Acenaphthylene
Concen: 2.378 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF115756.D
Acq: 25 Jul 2019 13:04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.9	25.3
153	17.1	11.5	17.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#52

Acenaphthene

Concen: 2.394 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF115756.D

Acq: 25 Jul 2019 13:04

Instrument :

BNA_F

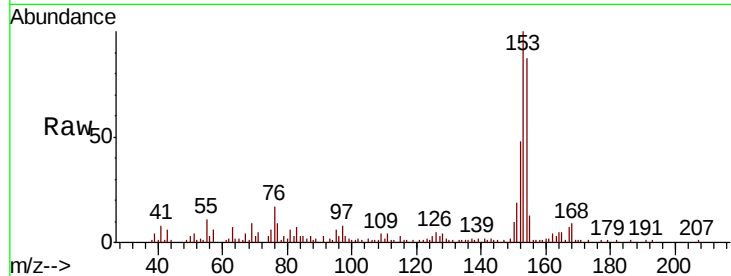
ClientSampleId :

PA-71619DL

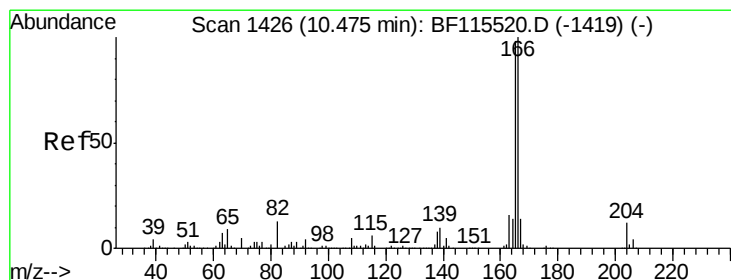
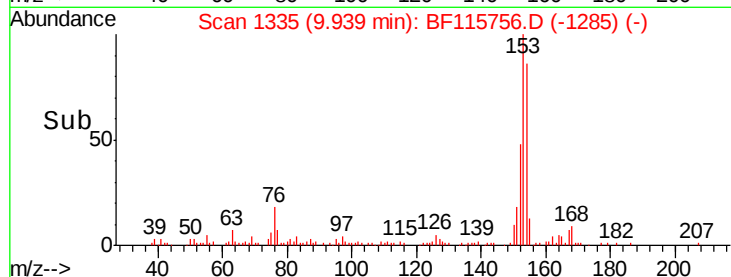
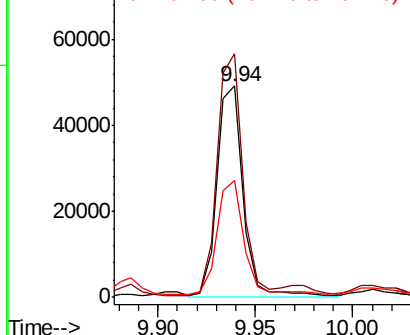
Tot Ion:	154	Resp:	45664
Ion Ratio	Lower	Upper	
154	100		
153	115.3	88.1	132.1
152	55.3	42.0	63.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 5.447 ng

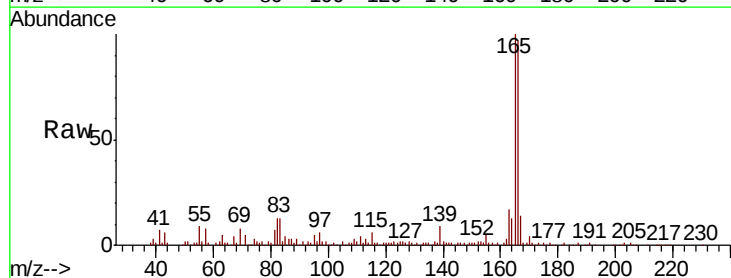
RT: 10.45 min Scan# 1422

Delta R.T. -0.01 min

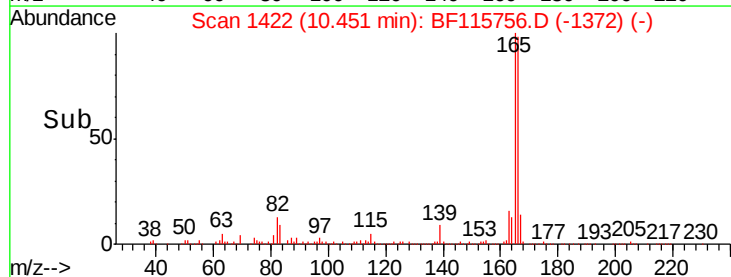
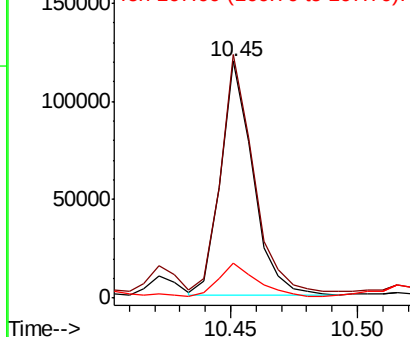
Lab File: BF115756.D

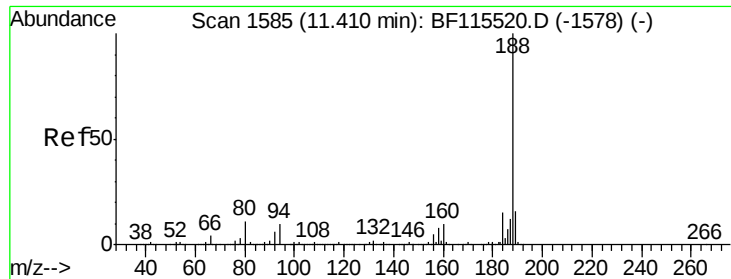
Acq: 25 Jul 2019 13:04

Tgt Ion:	166	Resp:	105466
Ion Ratio	Lower	Upper	
166	100		
165	102.8	79.0	118.4
167	14.8	11.0	16.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





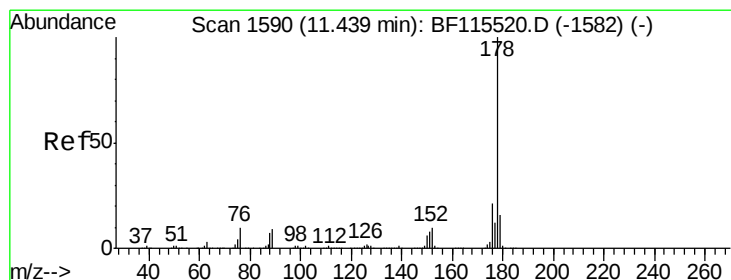
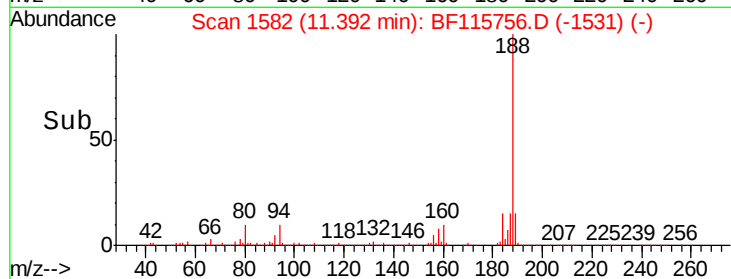
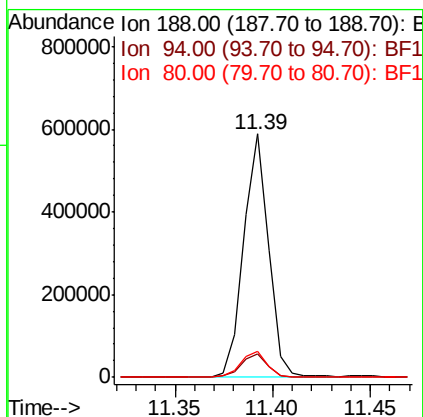
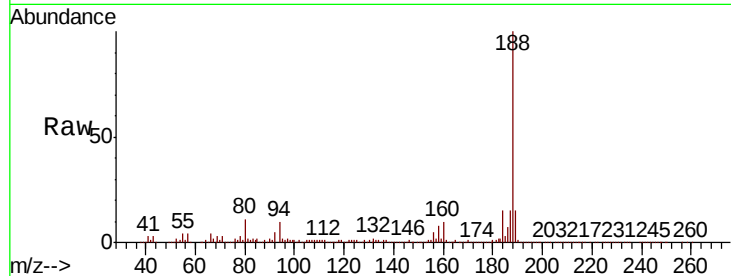
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF115756.D
Acq: 25 Jul 2019 13:04

Instrument :
BNA_F
ClientSampleId :
PA-71619DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.8	8.2	12.2
80	10.5	9.0	13.6

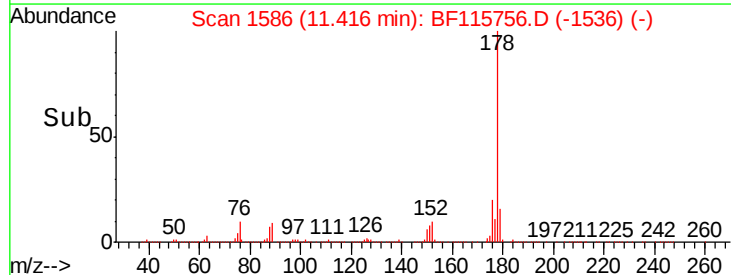
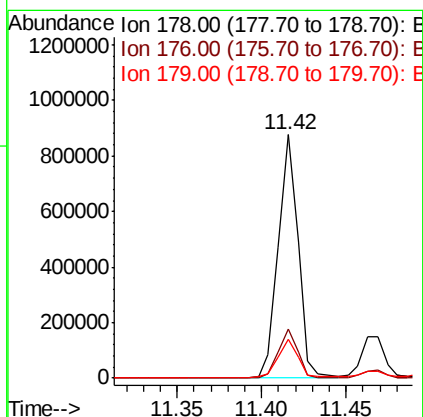
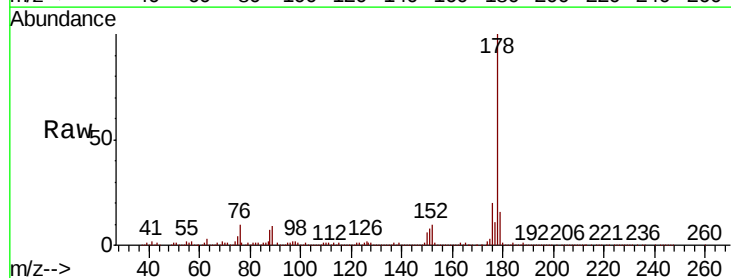
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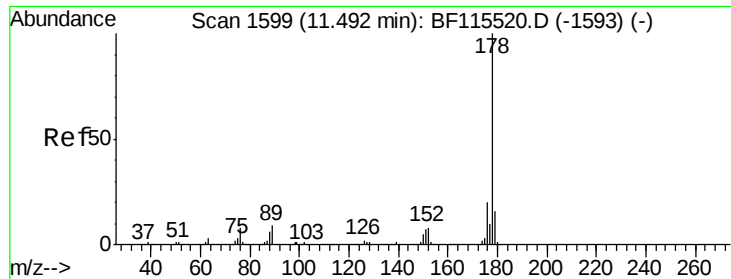
mohammad
7/26/2019 3:02:45 PM



#71
Phenanthrene
Concen: 26.569 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF115756.D
Acq: 25 Jul 2019 13:04

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.0	16.4	24.6
179	15.9	12.7	19.1





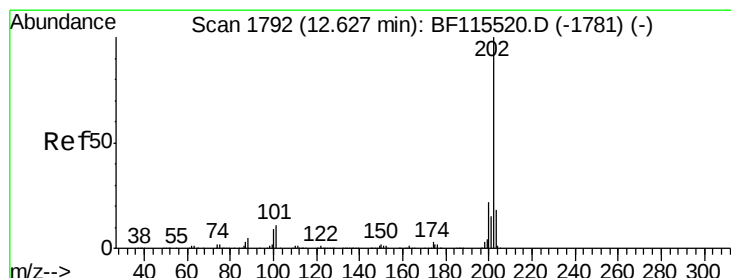
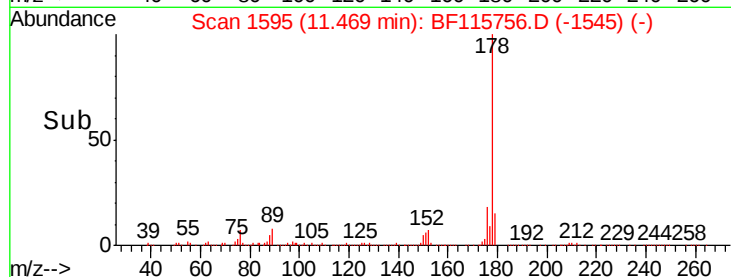
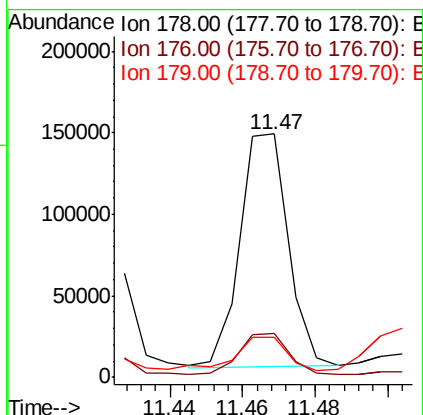
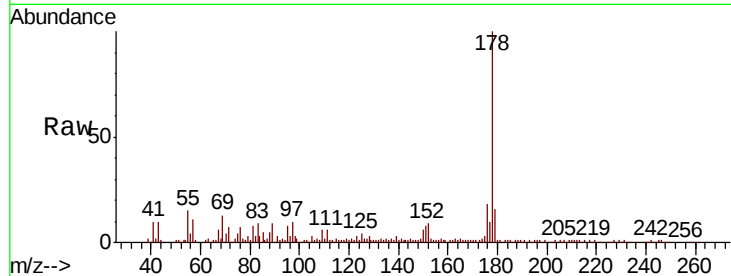
#72
 Anthracene
 Concen: 4.790 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF115756.D
 Acq: 25 Jul 2019 13:04

Instrument :
 BNA_F
 ClientSampleId :
 PA-71619DL

Tot Ion:	178	Resp:	132289
Ion Ratio	Lower	Upper	
178	100		
176	18.0	16.1	24.1
179	16.3	12.6	18.8

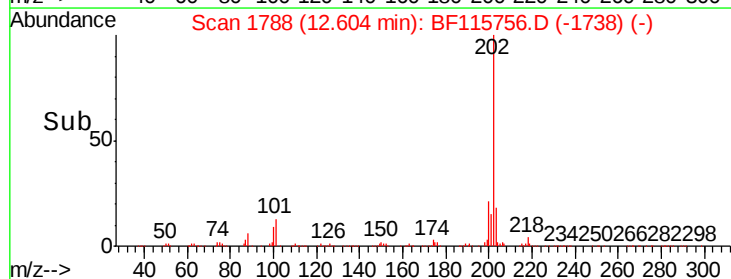
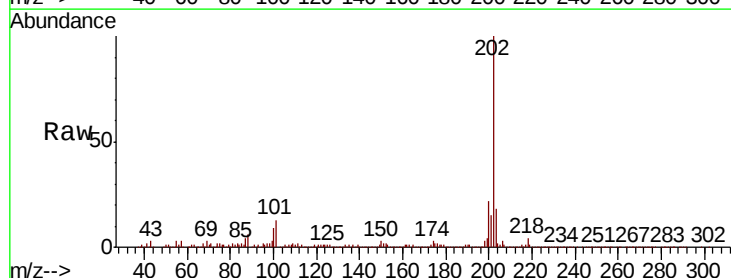
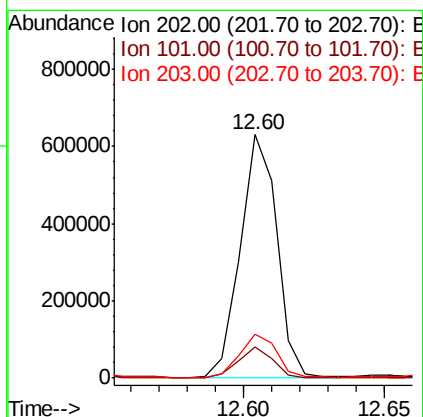
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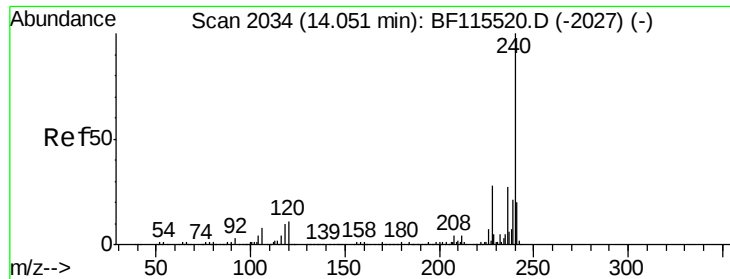
mohammad
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#75
 Fluoranthene
 Concen: 20.009 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. -0.01 min
 Lab File: BF115756.D
 Acq: 25 Jul 2019 13:04

Tgt Ion:	202	Resp:	565037
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	31.6
203	18.3	0.0	38.0





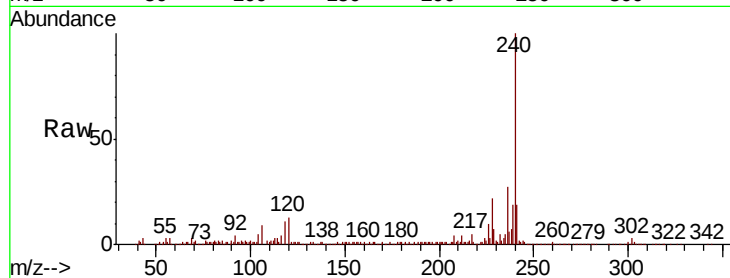
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF115756.D
Acq: 25 Jul 2019 13:04

Instrument :
BNA_F
ClientSampleId :
PA-71619DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.0	15.0
236	26.7	21.8	32.6

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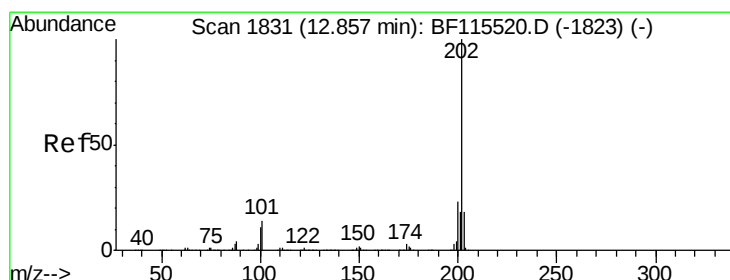
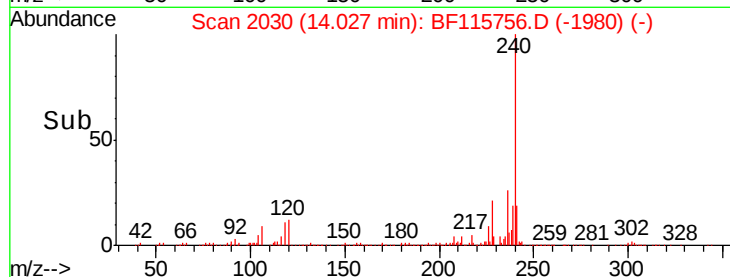
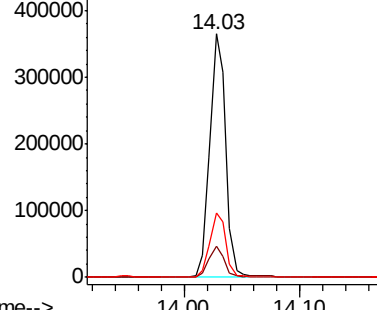


Abundance

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: 22.999 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF115756.D
Acq: 25 Jul 2019 13:04

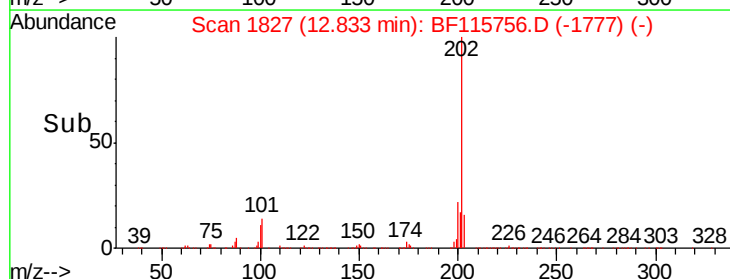
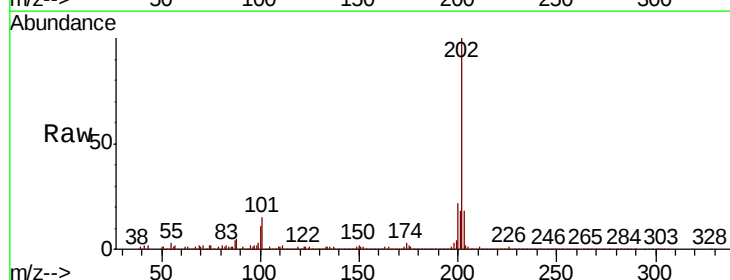
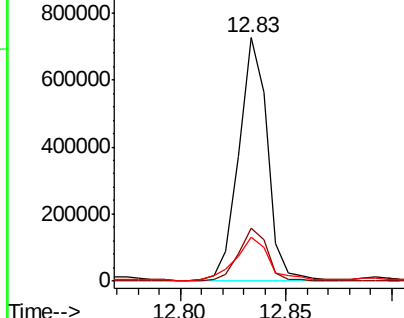
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	18.2	27.4
203	18.1	14.6	21.8

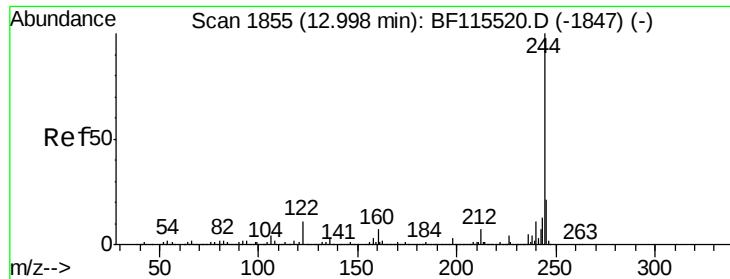
Abundance

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





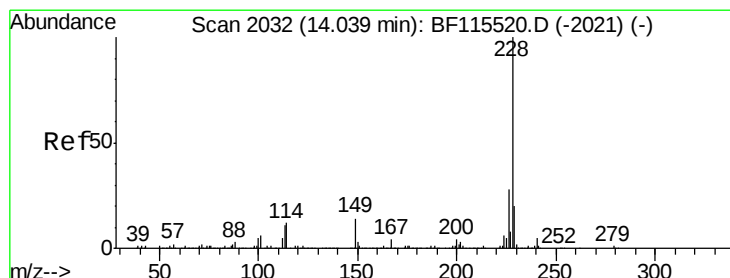
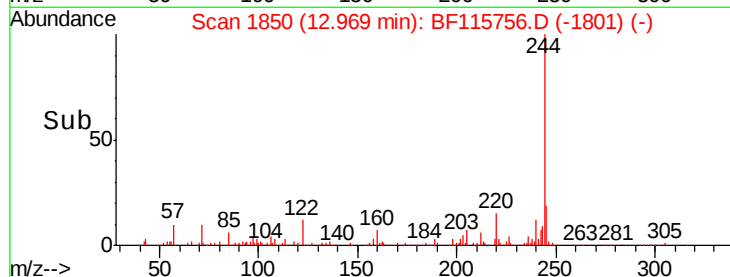
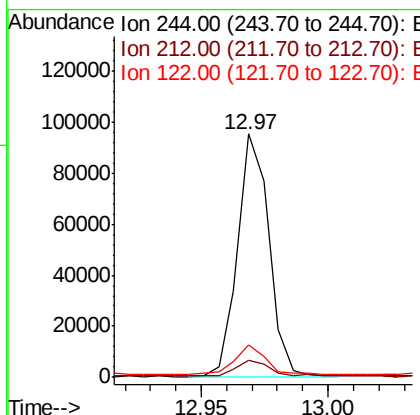
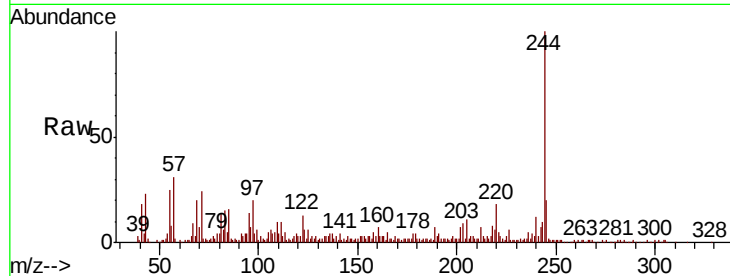
#79
 Terphenyl-d14
 Concen: 4.413 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF115756.D
 Acq: 25 Jul 2019 13:04

Instrument :
 BNA_F
 ClientSampleId :
 PA-71619DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	13.2	8.2	12.4

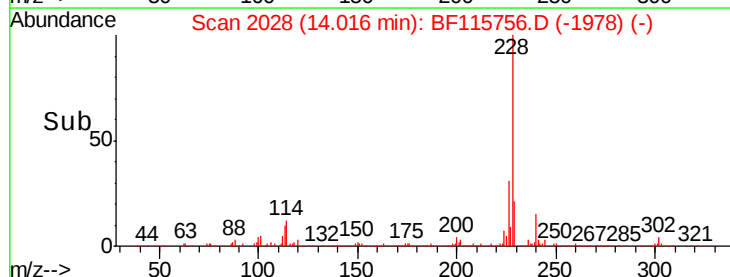
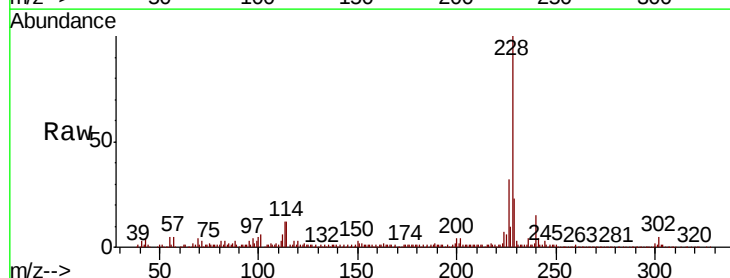
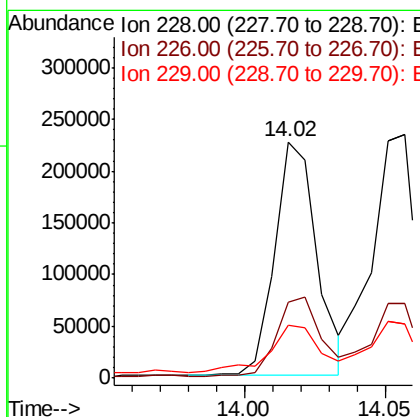
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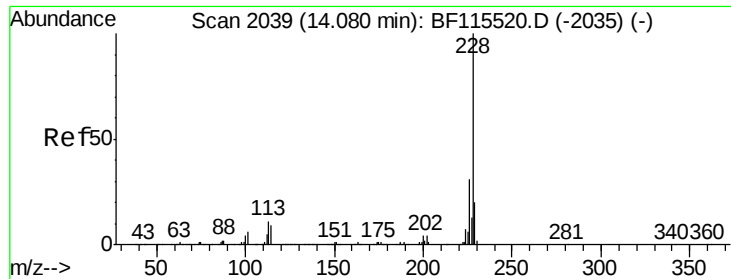
mohammad
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#81
 Benzo(a)anthracene
 Concen: 10.286 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF115756.D
 Acq: 25 Jul 2019 13:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.2	33.2
229	22.6	16.1	24.1





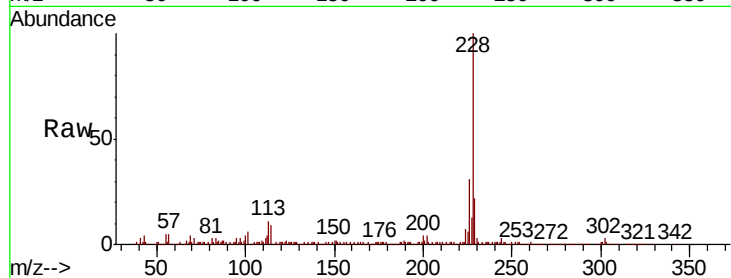
#83
Chrysene
Concen: 11.084 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF115756.D
Acq: 25 Jul 2019 13:04

Instrument :
BNA_F
ClientSampleId :
PA-71619DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.4
229	22.4	16.2	24.2

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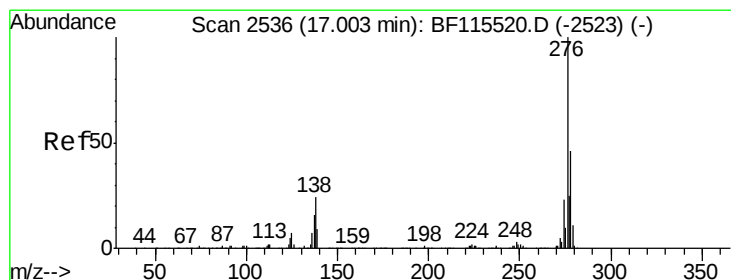
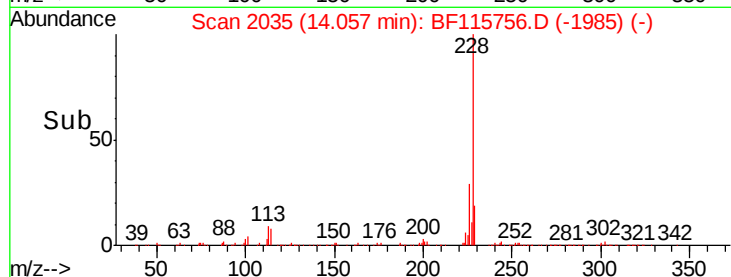
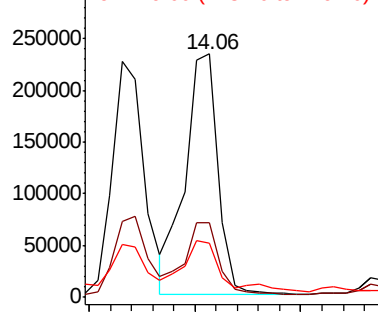


Abundance

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



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.830 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF115756.D
Acq: 25 Jul 2019 13:04

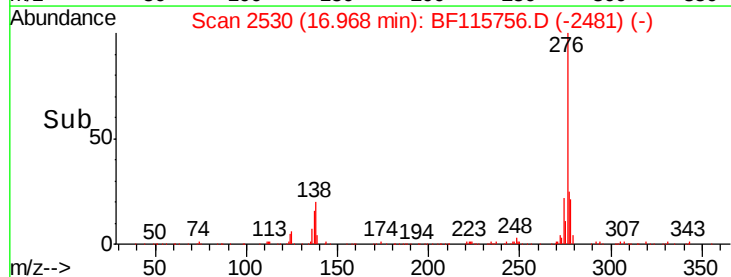
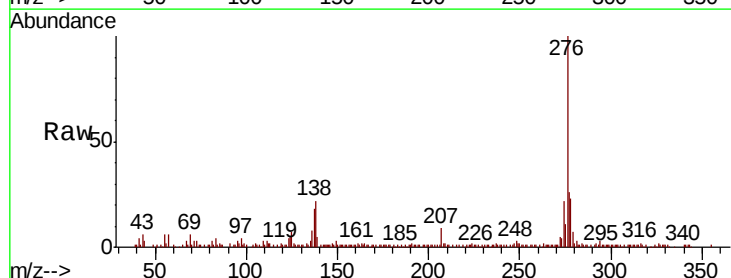
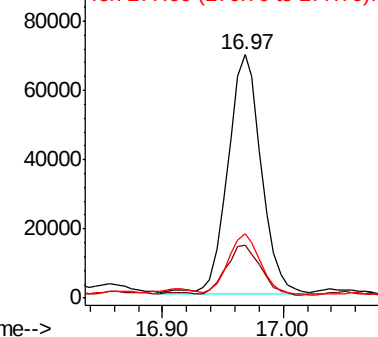
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	20.1	30.1
277	24.8	19.8	29.8

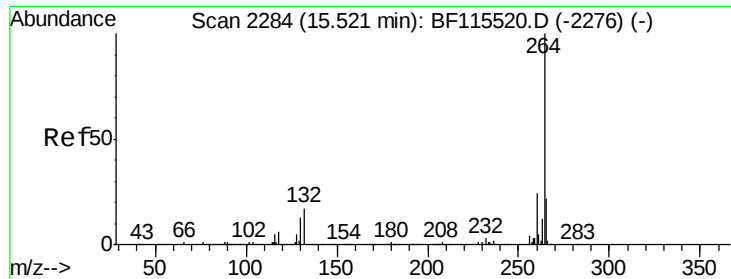
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BF115756.D

Acq: 25 Jul 2019 13:04

Instrument :

BNA_F

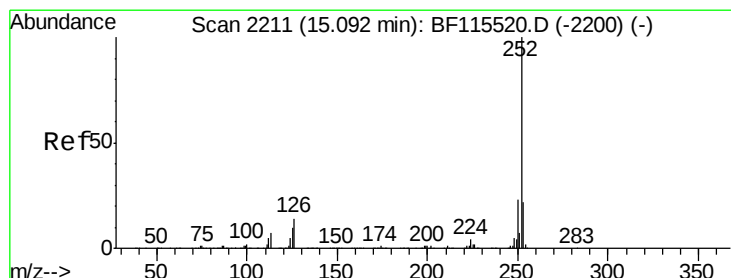
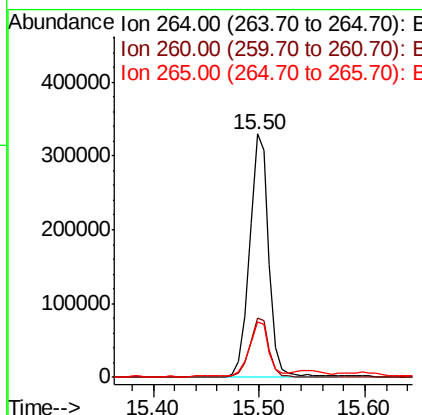
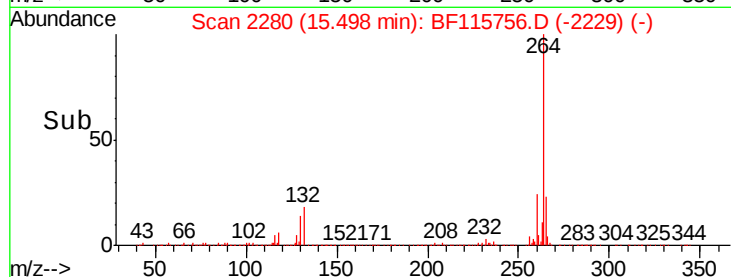
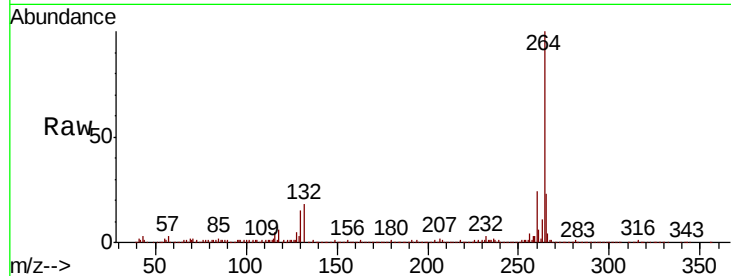
ClientSampleId :

PA-71619DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.6
265	22.9	17.5	26.3

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#88

Benzo(b)fluoranthene

Concen: 9.499 ng m

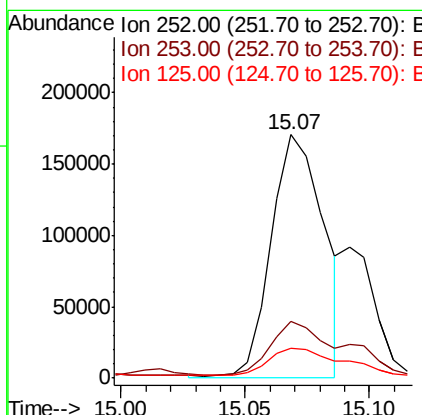
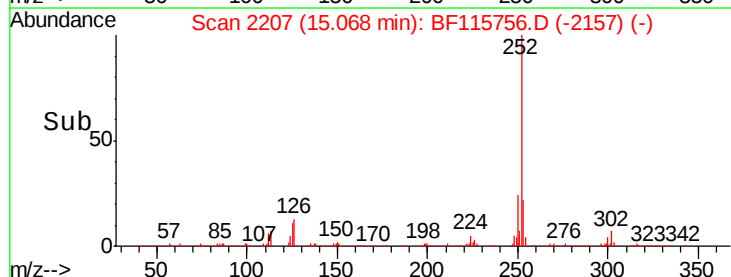
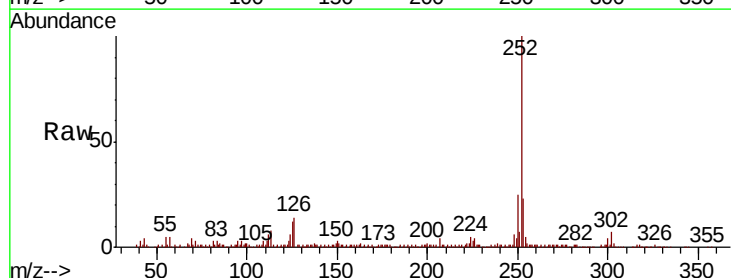
RT: 15.07 min Scan# 2207

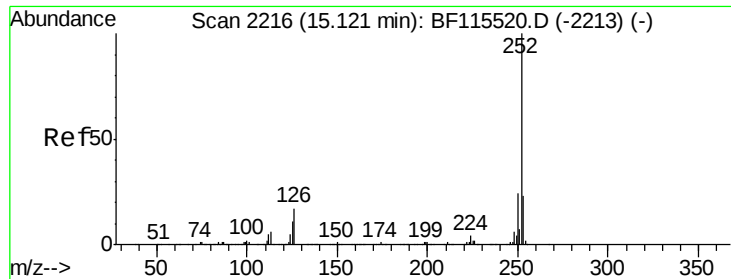
Delta R.T. -0.01 min

Lab File: BF115756.D

Acq: 25 Jul 2019 13:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	12.2	8.4	12.6





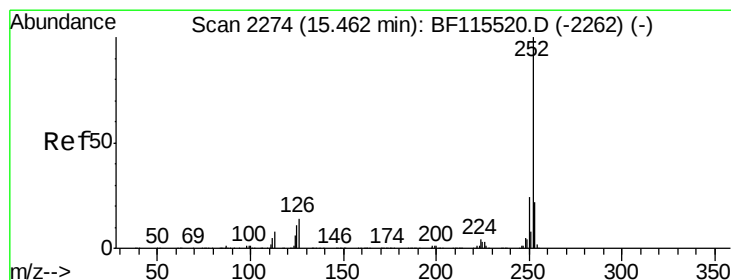
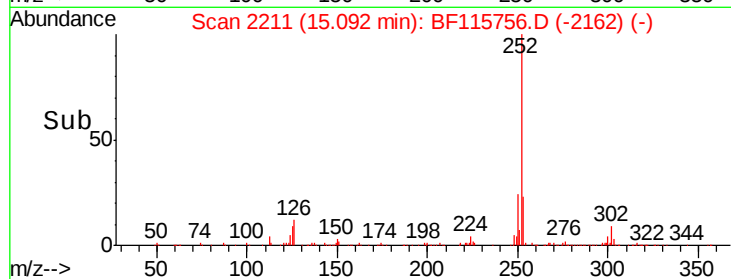
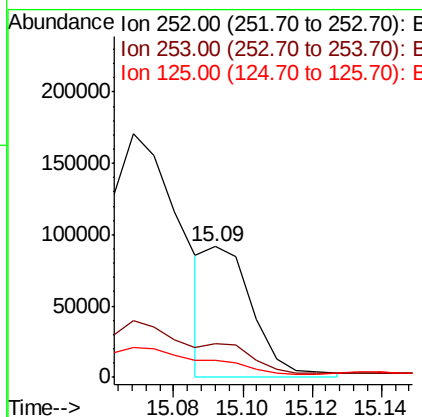
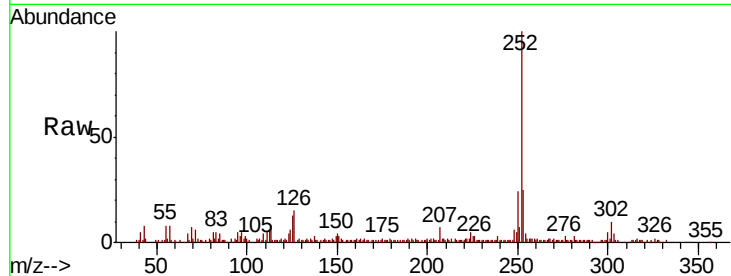
#89
Benzo(k)fluoranthene
Concen: 3.573 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF115756.D
Acq: 25 Jul 2019 13:04

Instrument :
BNA_F
ClientSampleId :
PA-71619DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.1	27.1
125	13.1	8.6	13.0

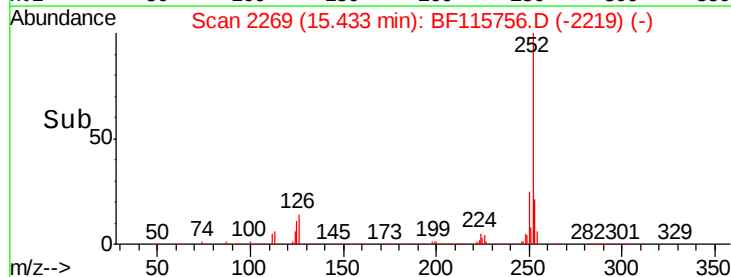
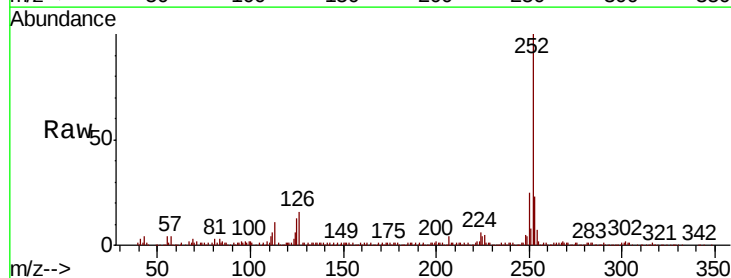
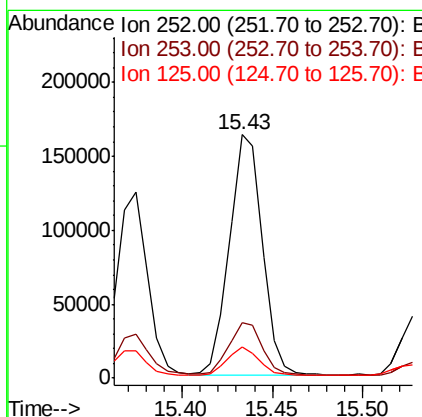
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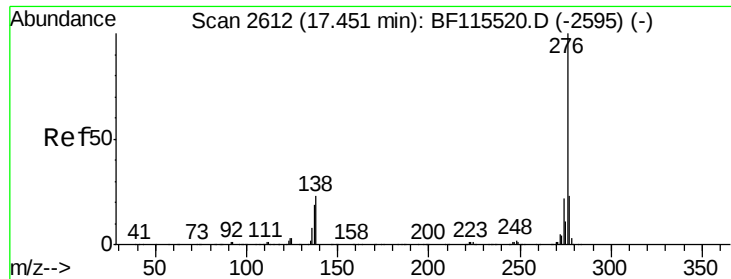
mohammad
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#90
Benzo(a)pyrene
Concen: 9.023 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF115756.D
Acq: 25 Jul 2019 13:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	12.6	9.4	14.2





#92
 Benzo(a,h,i)perylene
 Concen: 6.972 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.01 min
 Lab File: BF115756.D
 Acq: 25 Jul 2019 13:04

Instrument :
 BNA_F
 ClientSampleId :
 PA-71619DL

Tot Ion:	276	Resp:	140472
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.1	27.1
138	21.8	16.6	24.8

Manual Integrations
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