

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
 Data File : BF116879.D
 Acq On : 7 Sep 2019 8:36
 Operator : HP/JU
 Sample : K4692-14DL 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-26-COMPDL

Manual Integrations
 APPROVED

mohammad
 9/12/2019 9:25:05 AM

Quant Time: Sep 09 01:07:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	69509	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	277237	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	127681	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	179515	20.00	ng	0.00
76) Chrysene-d12	14.00	240	161653	20.00	ng	0.00
87) Perylene-d12	15.46	264	128606	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	50651	11.81	ng	0.00
7) Phenol-d6	6.47	99	70372	12.49	ng	-0.01
23) Nitrobenzene-d5	7.40	82	41892	8.63	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	10370	12.15	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	77790	10.28	ng	-0.01
79) Terphenyl-d14	12.94	244	67365	7.71	ng	-0.01

Target Compounds

						Qvalue
31) Naphthalene	8.15	128	32964	2.501	ng	97
49) Acenaphthylene	9.74	152	106264	9.161	ng	99
52) Acenaphthene	9.91	154	17294	2.426	ng	93
55) Dibenzofuran	10.09	168	33904	3.374	ng	94
58) Fluorene	10.43	166	57962	7.571	ng	97
71) Phenanthrene	11.39	178	564171	56.457	ng	99
72) Anthracene	11.44	178	87118	8.660	ng	99
73) Carbazole	11.59	167	37963	3.962	ng	96
75) Fluoranthene	12.58	202	707135	72.005	ng	99
78) Pyrene	12.81	202	622137	43.295	ng	99
81) Benzo(a)anthracene	13.99	228	215757m	21.089	ng	
83) Chrysene	14.03	228	290579	27.568	ng	98
86) Indeno(1,2,3-cd)pyrene	16.91	276	81000	9.567	ng	99
88) Benzo(b)fluoranthene	15.04	252	264945m	34.075	ng	
89) Benzo(k)fluoranthene	15.06	252	98924m	13.954	ng	
90) Benzo(a)pyrene	15.40	252	147549	21.812	ng	98
91) Dibenzo(a,h)anthracene	16.92	278	18498	3.124	ng	# 80
92) Benzo(g,h,i)perylene	17.35	276	73451	12.163	ng	95

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

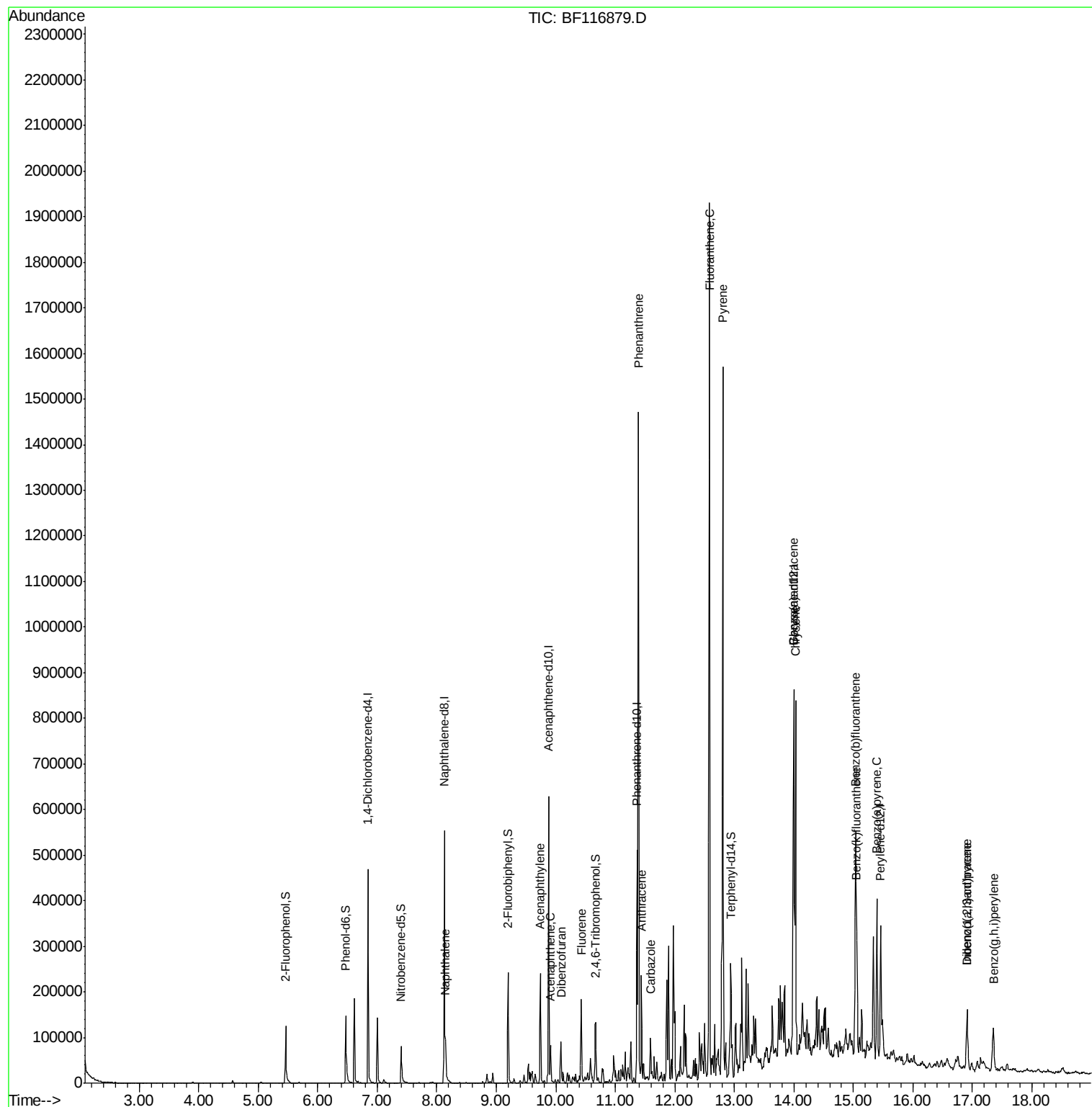
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#1

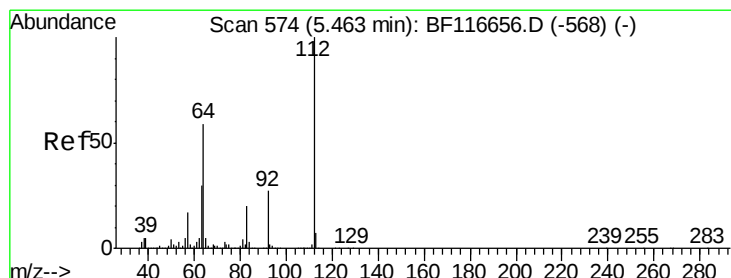
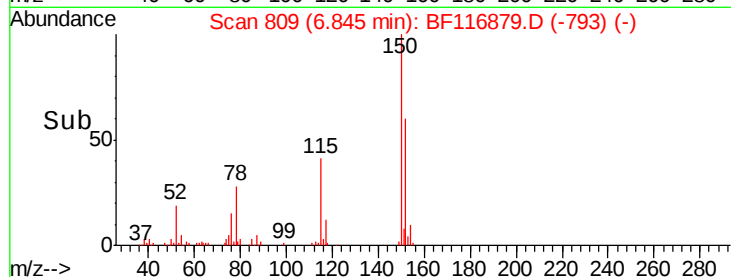
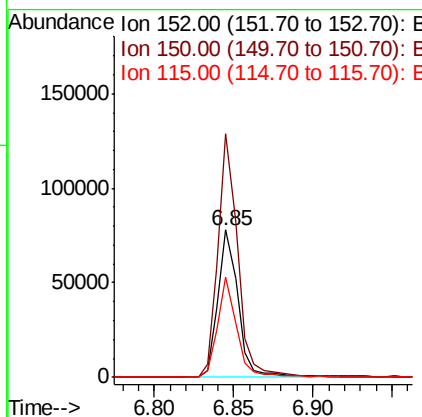
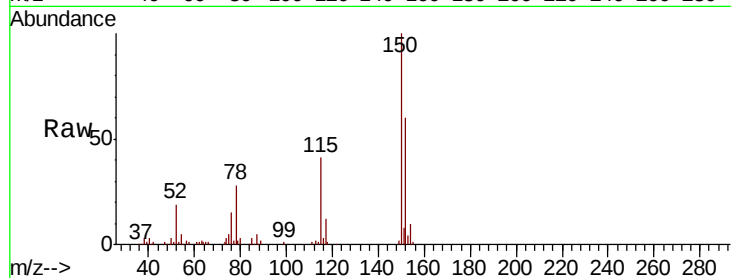
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116879.D
Acq: 7 Sep 2019 8:36

Instrument :
BNA_F
ClientSampleId :
SB-26-COMPDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.6	124.4	186.6
115	68.3	49.9	74.9

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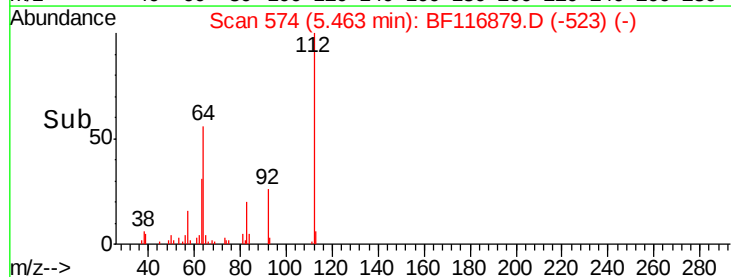
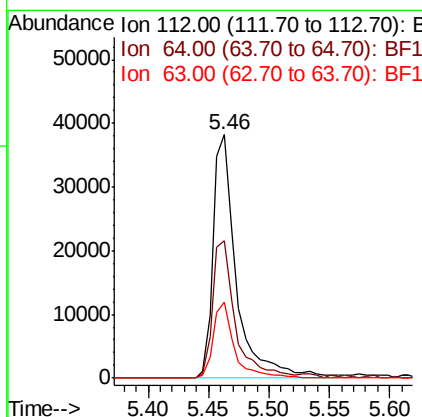
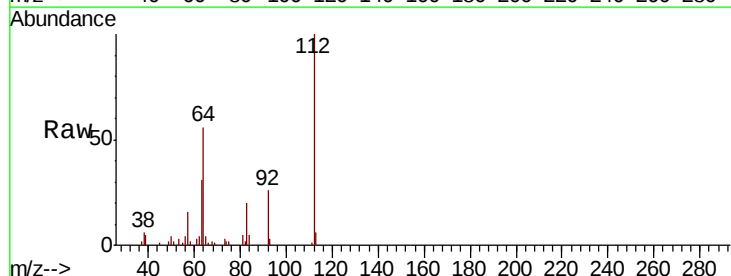
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#5

2-Fluorophenol
Concen: 11.805 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116879.D
Acq: 7 Sep 2019 8:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.1	70.7
63	31.1	24.9	37.3





#7

Phenol-d6

Concen: 12.491 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116879.D

Acq: 7 Sep 2019 8:36

Instrument :

BNA_F

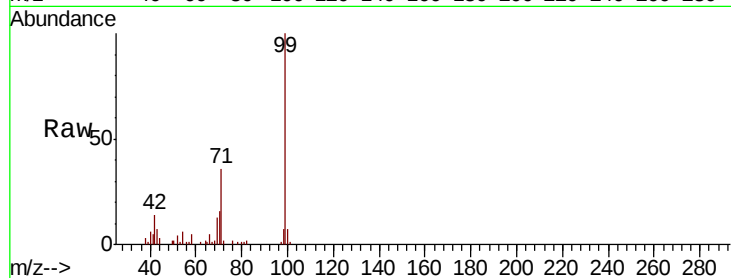
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SB-26-COMPDL

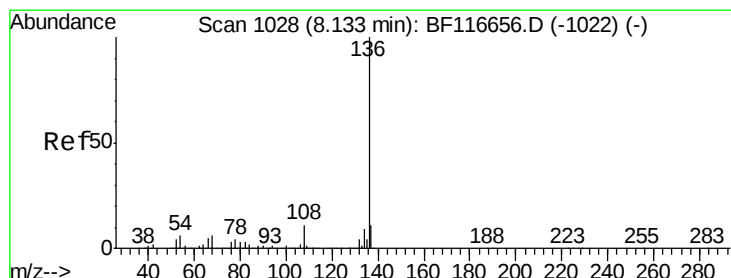
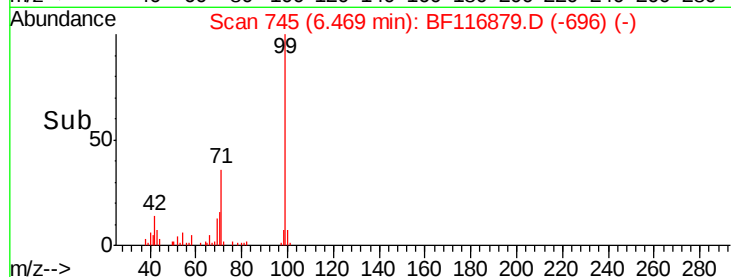
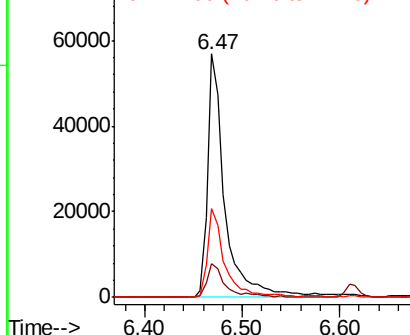
Tot Ion:	99	Resp:	70372
Ion Ratio	Lower	Upper	
99	100		
42	14.0	13.7	20.5
71	36.3	30.8	46.2

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

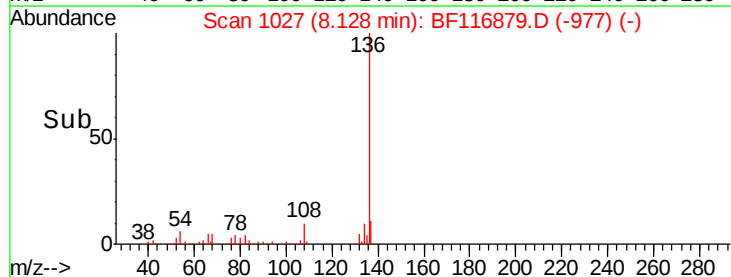
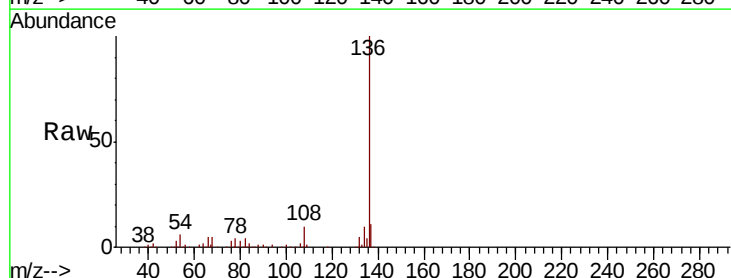
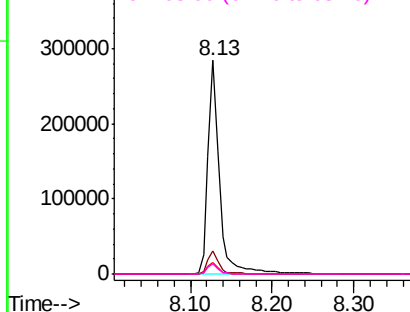
Delta R.T. -0.01 min

Lab File: BF116879.D

Acq: 7 Sep 2019 8:36

Tgt Ion:	136	Resp:	277237
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	5.5	4.8	7.2
68	5.1	4.0	6.0

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





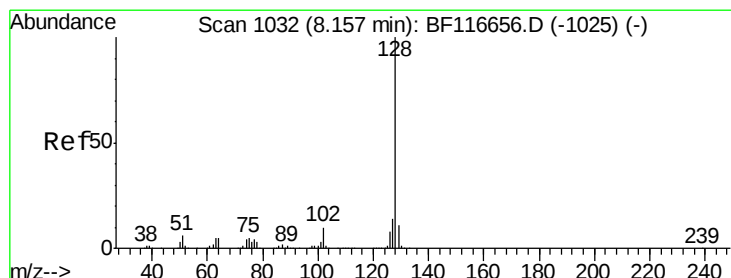
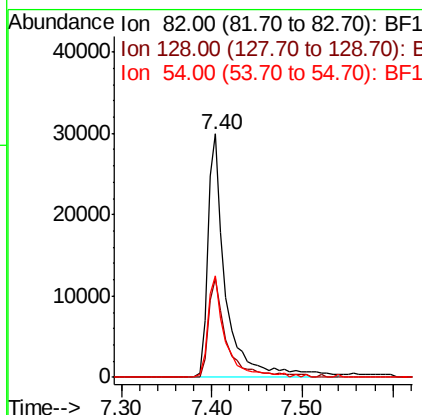
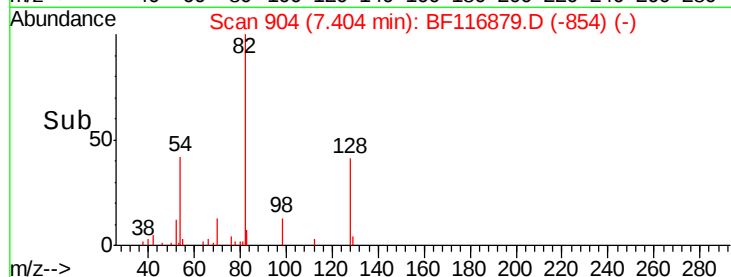
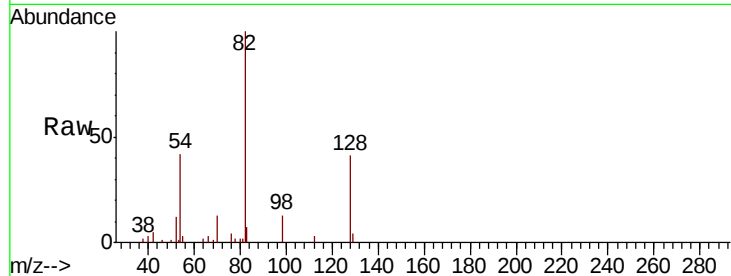
#23
 Nitrobenzene-d5
 Concen: 8.626 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF116879.D
 Acq: 7 Sep 2019 8:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-26-COMPDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.6	32.8	49.2
54	41.7	36.9	55.3

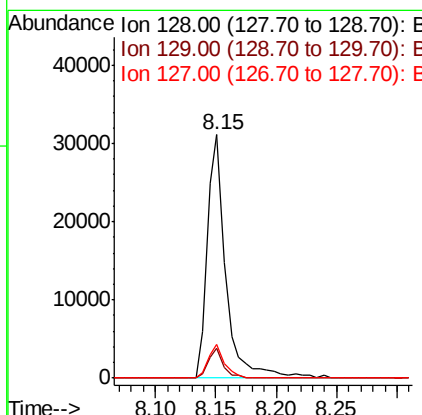
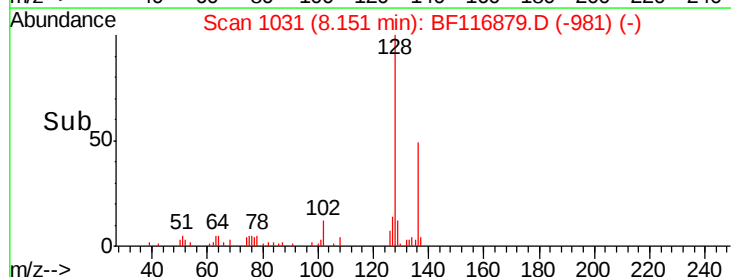
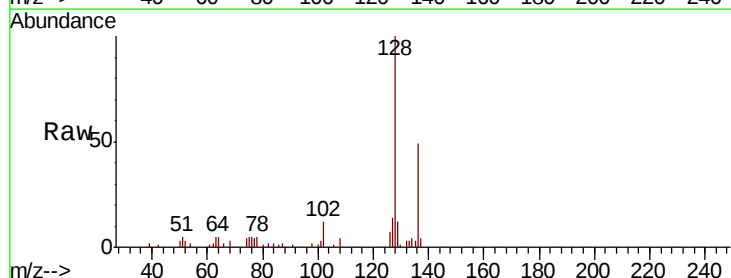
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#31
 Naphthalene
 Concen: 2.501 ng
 RT: 8.15 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: BF116879.D
 Acq: 7 Sep 2019 8:36

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.6	13.0
127	14.1	10.4	15.6





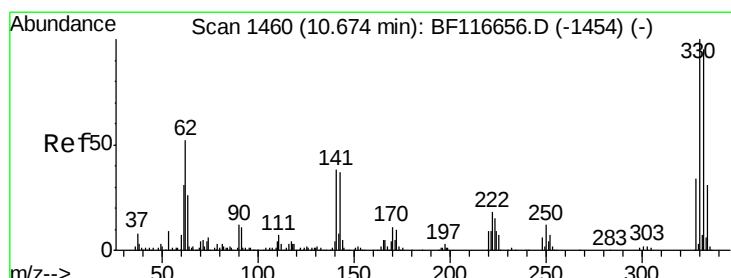
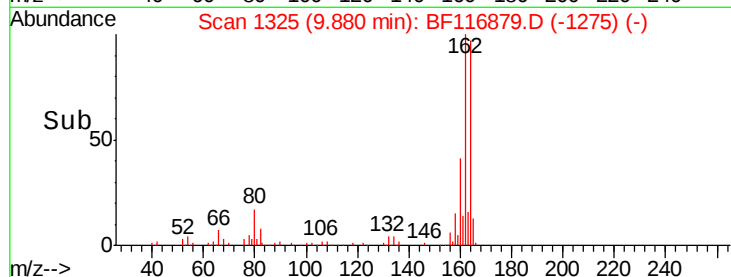
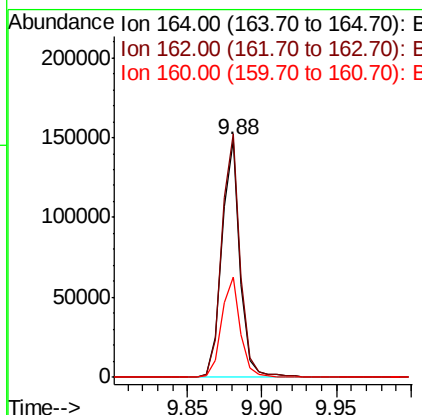
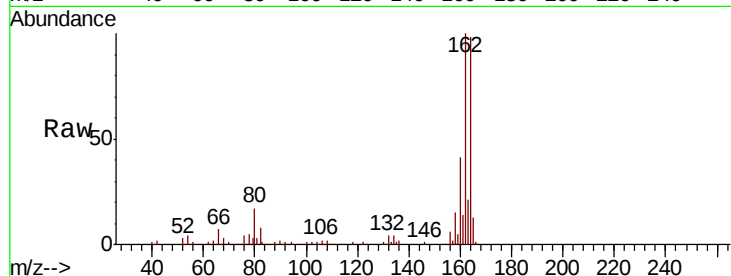
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116879.D
Acq: 7 Sep 2019 8:36

Instrument :
BNA_F
ClientSampleId :
SB-26-COMPDL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.5	81.4	122.0	
160	42.1	35.4	53.2	

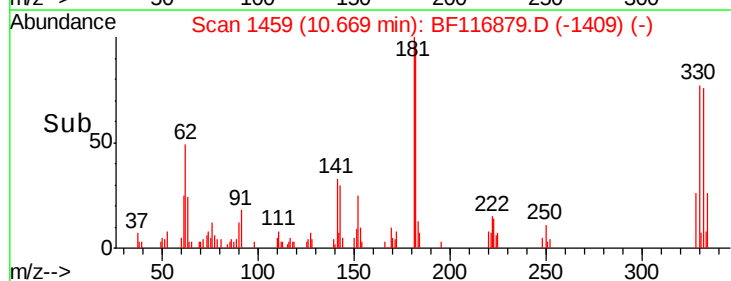
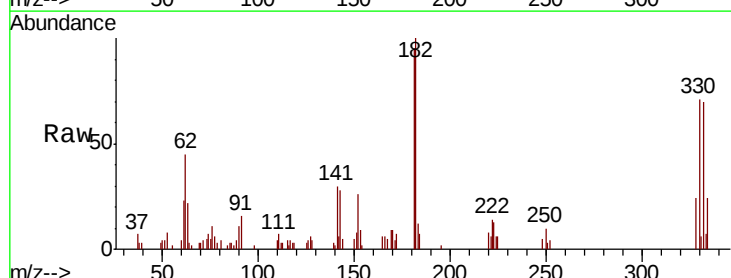
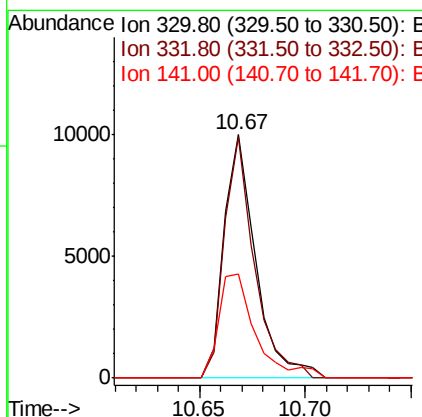
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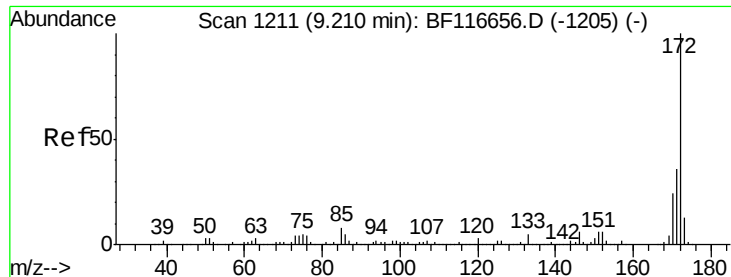
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#42
2,4,6-Tribromophenol
Concen: 12.149 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116879.D
Acq: 7 Sep 2019 8:36

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.1	76.9	115.3	
141	49.9	31.4	47.2	





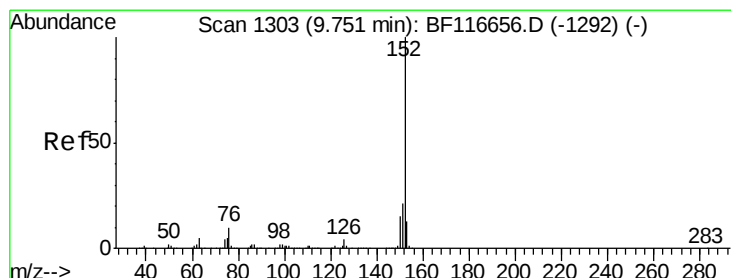
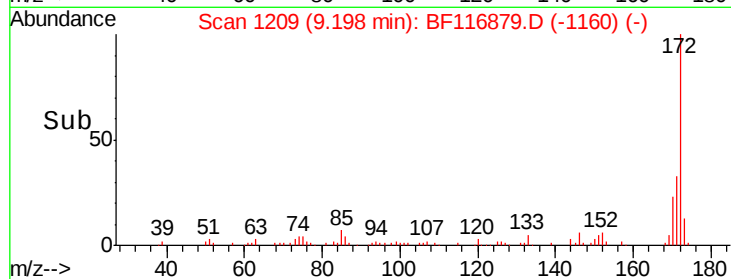
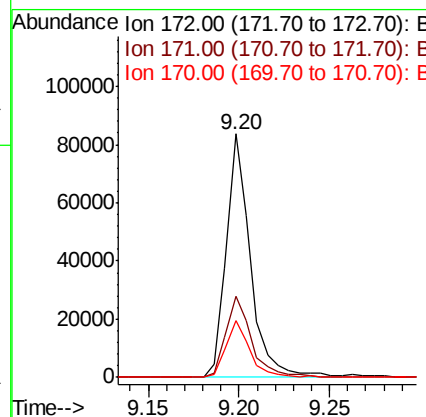
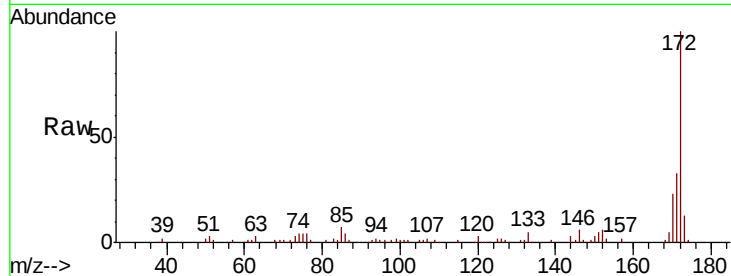
#45
2-Fluorobiphenyl
Concen: 10.277 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF116879.D
Acq: 7 Sep 2019 8:36

Instrument :
BNA_F
ClientSampleId :
SB-26-COMPDL

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.4	27.8	41.6
170	23.1	18.9	28.3

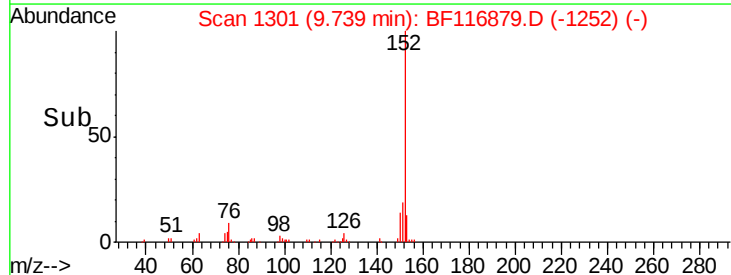
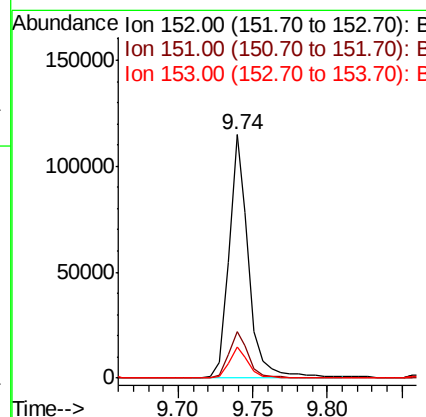
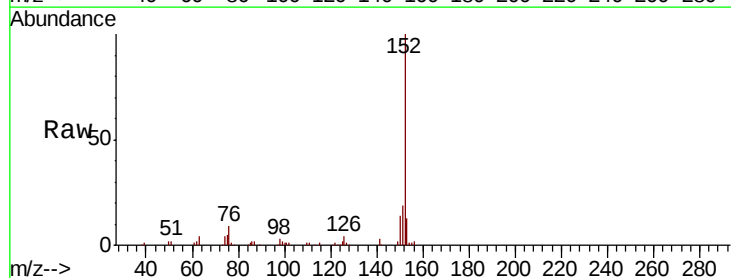
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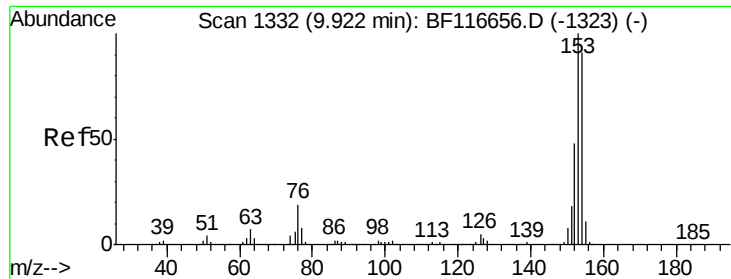
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#49
Acenaphthylene
Concen: 9.161 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF116879.D
Acq: 7 Sep 2019 8:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.9	23.9
153	13.0	10.9	16.3





#52

Acenaphthene

Concen: 2.426 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF116879.D

Acq: 7 Sep 2019 8:36

Instrument :

BNA_F

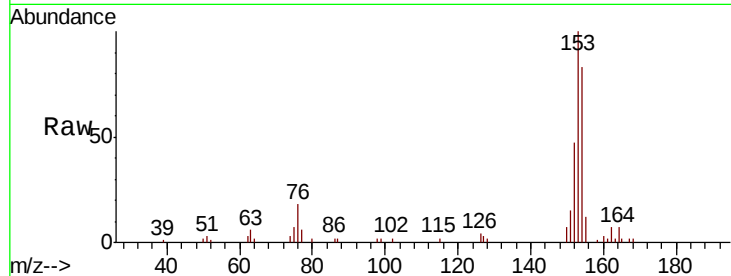
ClientSampleId :

SB-26-COMPDL

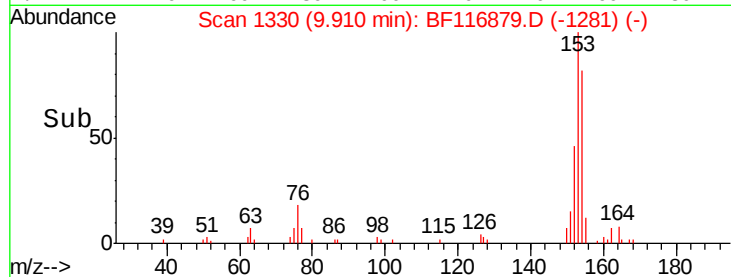
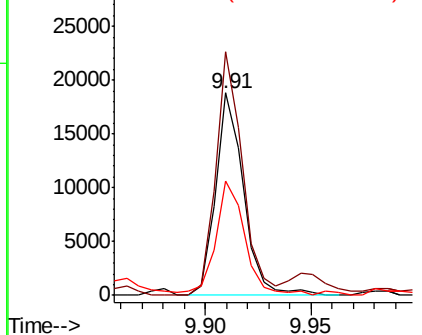
Tot Ion:	154	Resp:	17294
Ion Ratio	Lower	Upper	
154	100		
153	120.3	89.5	134.3
152	56.7	41.9	62.9

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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



#55

Dibenzofuran

Concen: 3.374 ng

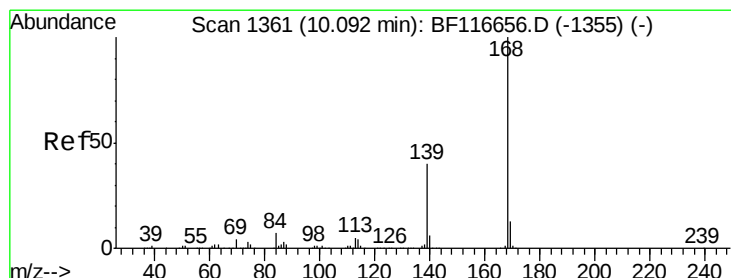
RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

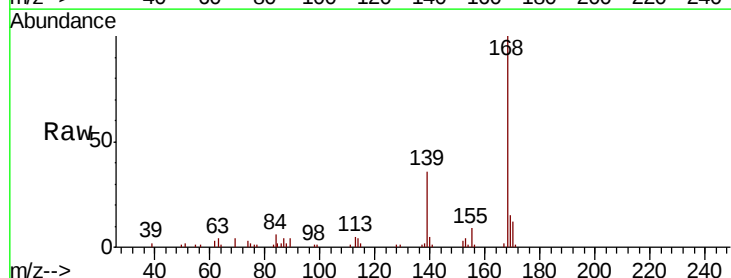
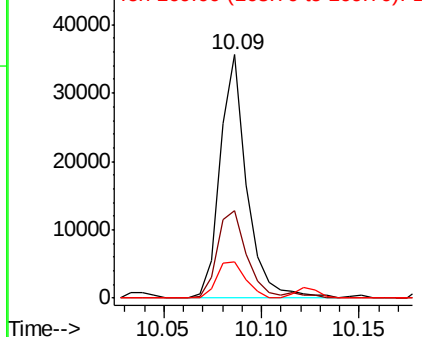
Lab File: BF116879.D

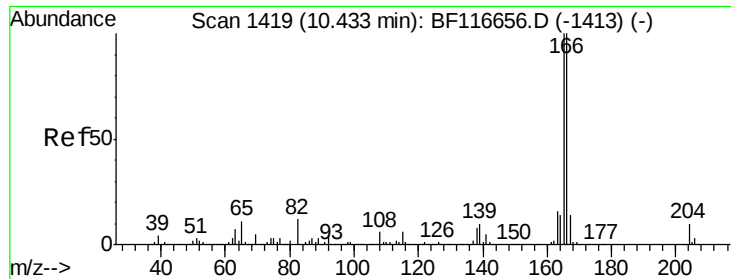
Acq: 7 Sep 2019 8:36

Tgt Ion:	168	Resp:	33904
Ion Ratio	Lower	Upper	
168	100		
139	35.9	31.5	47.3
169	14.9	10.3	15.5



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





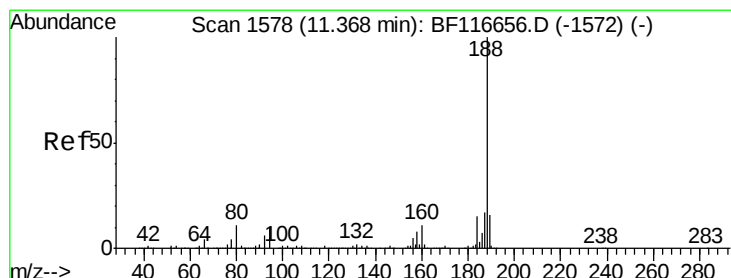
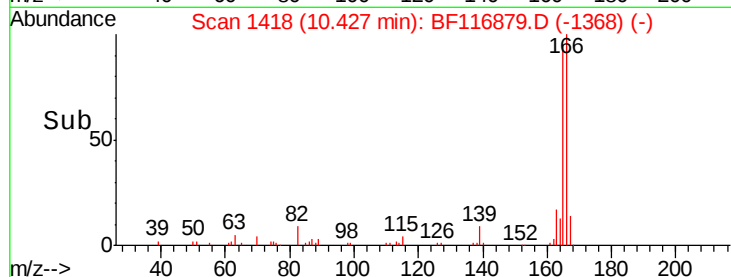
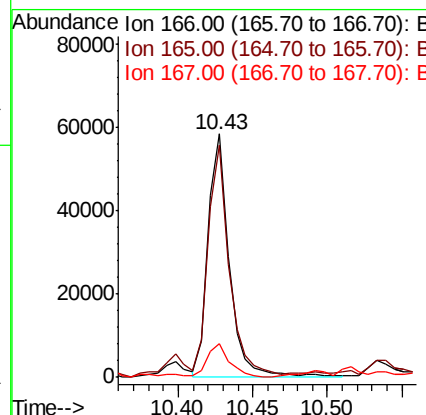
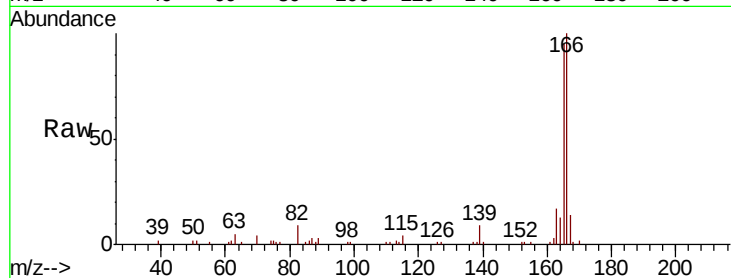
#58
 Fluorene
 Concen: 7.571 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF116879.D
 Acq: 7 Sep 2019 8:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-26-COMPDL

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.4	78.8	118.2
167	13.8	10.0	15.0

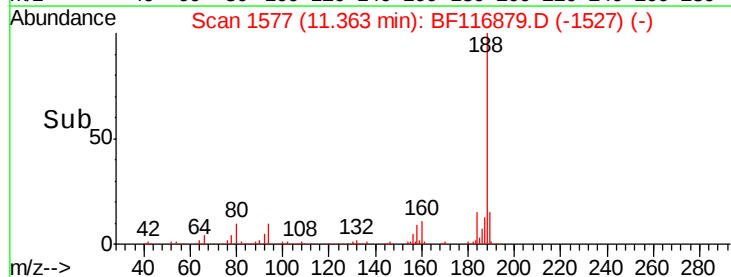
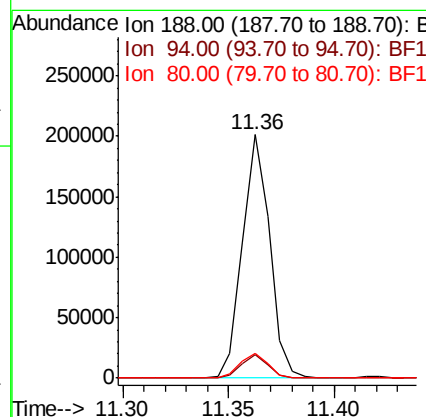
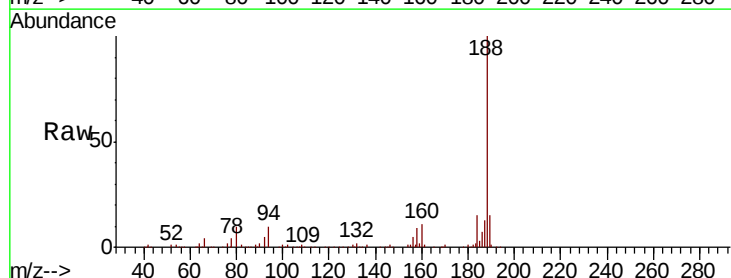
Manual Integrations
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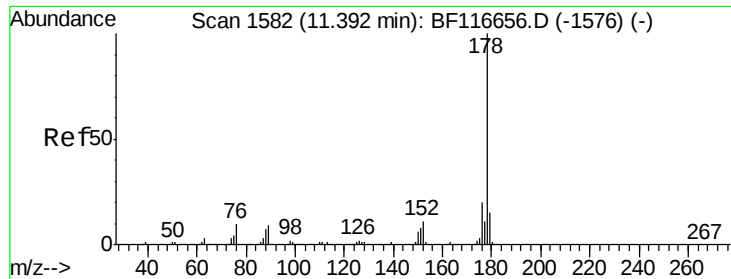
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116879.D
 Acq: 7 Sep 2019 8:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.3	10.9
80	10.2	8.4	12.6





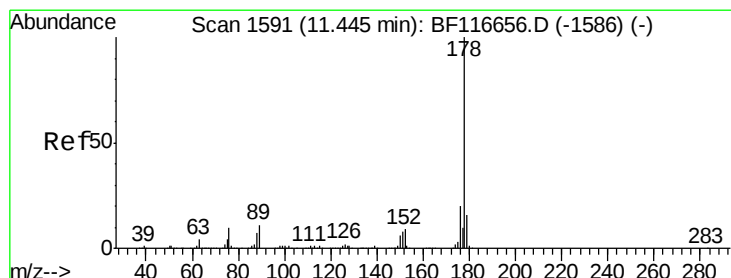
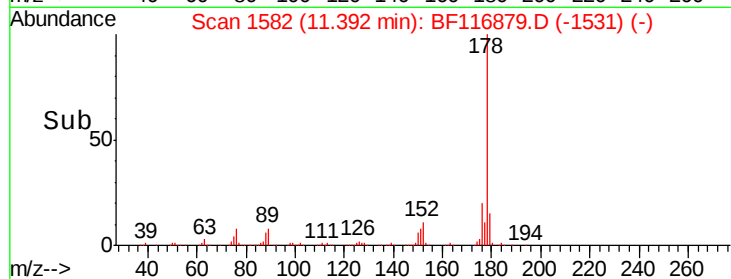
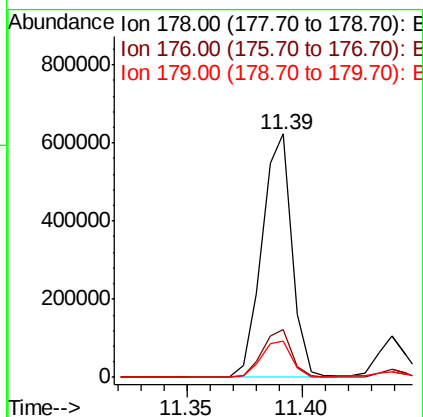
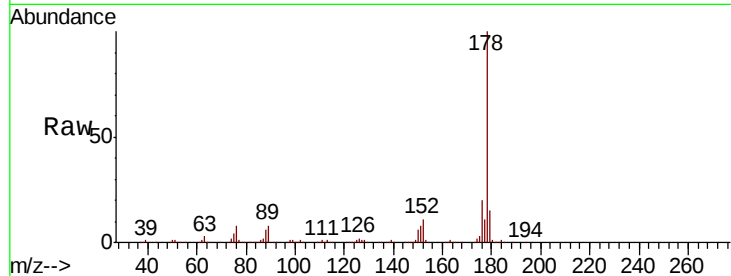
#71
Phenanthrene
Concen: 56.457 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF116879.D
Acq: 7 Sep 2019 8:36

Instrument :
BNA_F
ClientSampleId :
SB-26-COMPDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	15.0	12.2	18.2

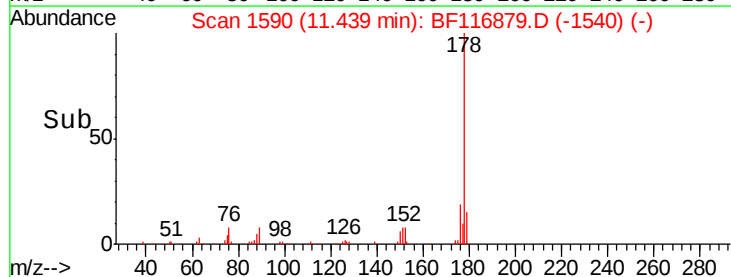
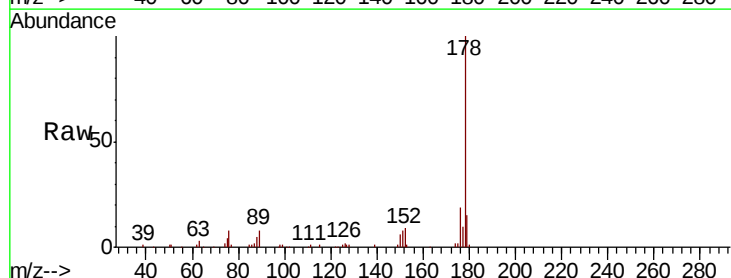
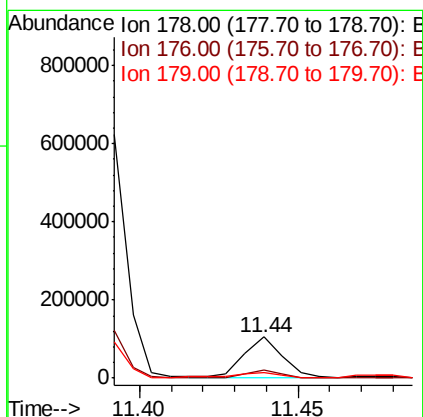
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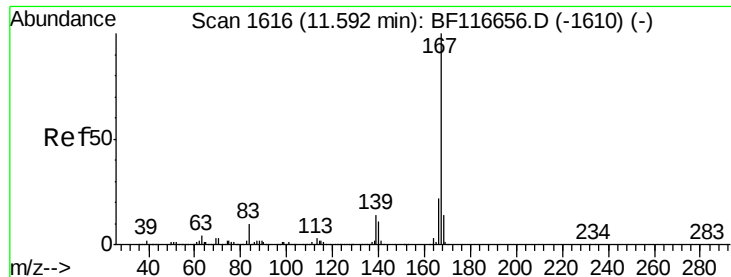
mohammad
9/12/2019 9:25:05 AM



#72
Anthracene
Concen: 8.660 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF116879.D
Acq: 7 Sep 2019 8:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	14.8	12.5	18.7





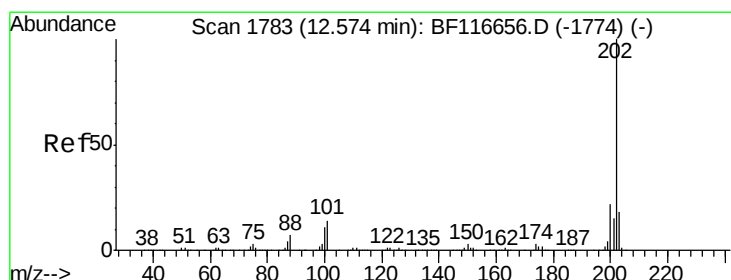
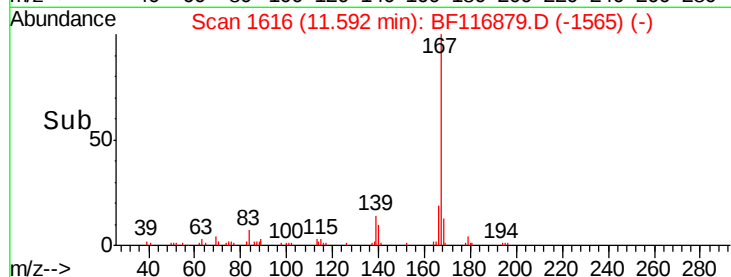
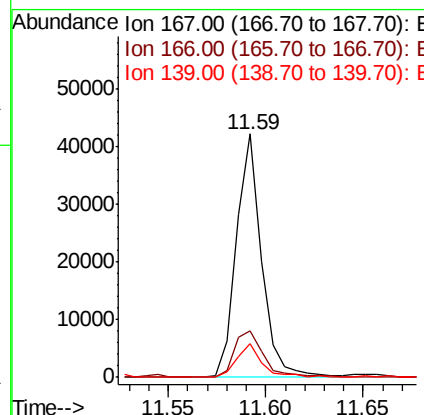
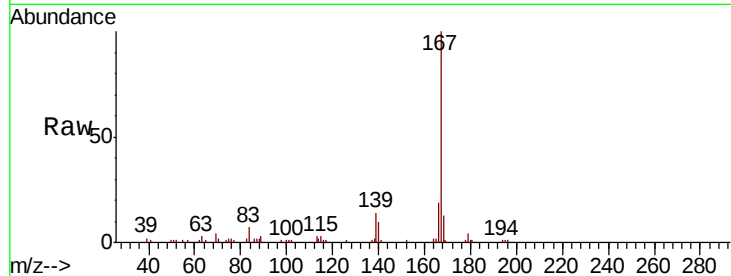
#73
 Carbazole
 Concen: 3.962 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BF116879.D
 Acq: 7 Sep 2019 8:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-26-COMPDL

Tot Ion	Ratio	Lower	Upper
167	100		
166	19.3	17.8	26.6
139	13.9	11.1	16.7

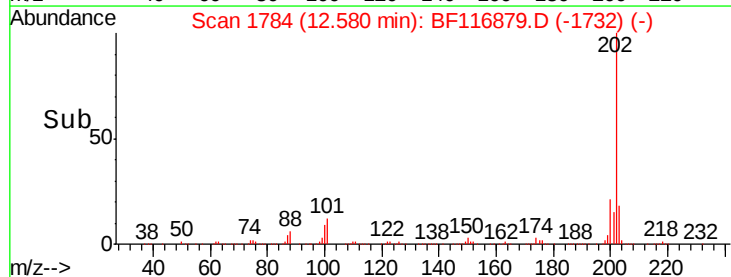
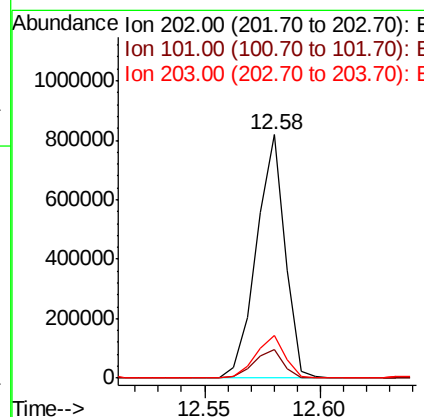
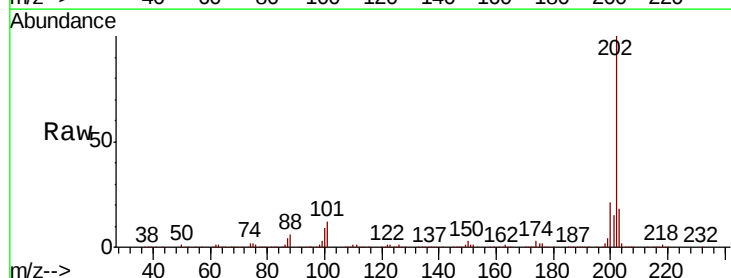
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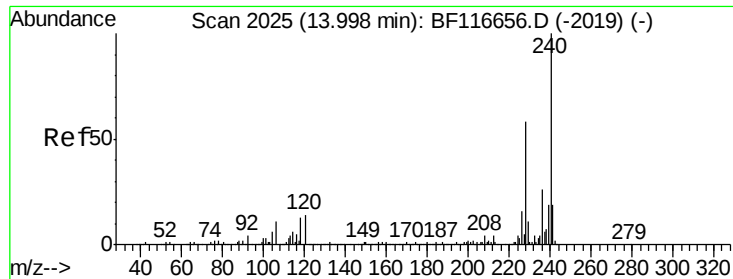
mohammad
 9/12/2019 9:25:05 AM



#75
 Fluoranthene
 Concen: 72.005 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BF116879.D
 Acq: 7 Sep 2019 8:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.3
203	17.6	0.0	37.6





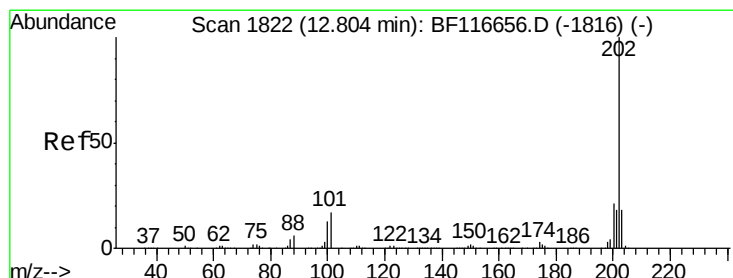
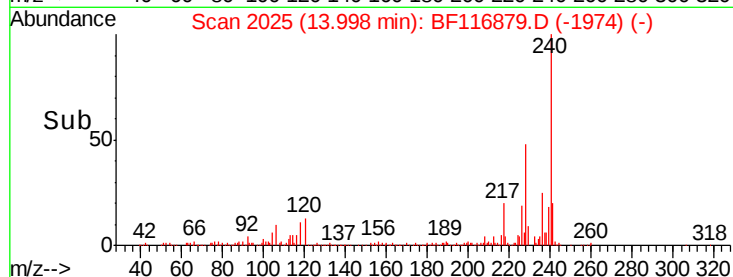
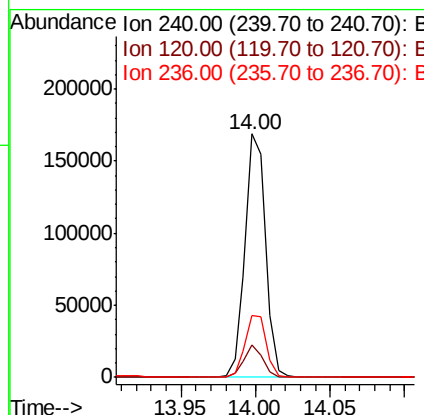
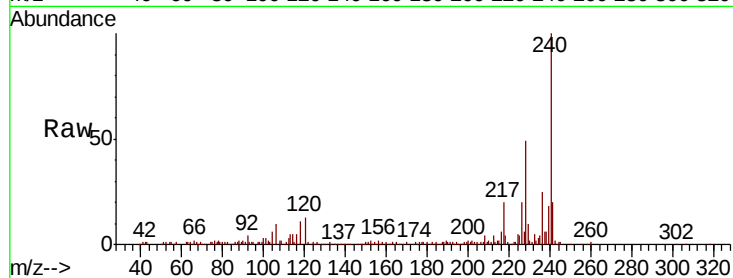
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF116879.D
Acq: 7 Sep 2019 8:36

Instrument :
BNA_F
ClientSampleId :
SB-26-COMPDL

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.1	13.7
236	25.3	21.1	31.7

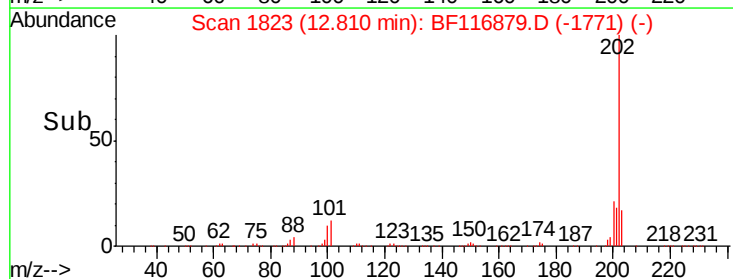
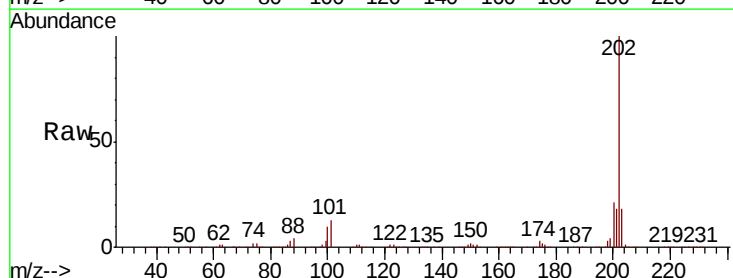
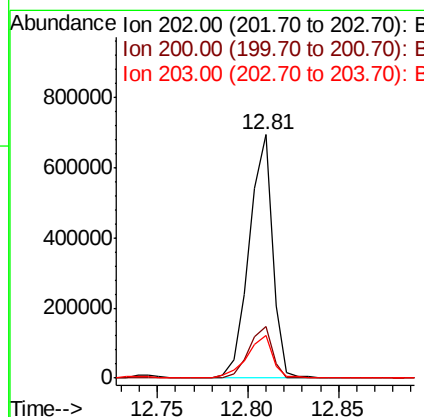
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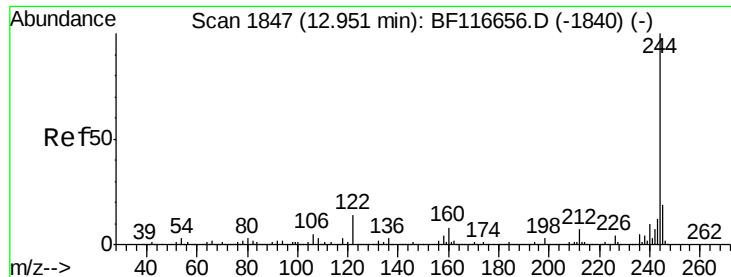
mohammad
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#78
Pyrene
Concen: 43.295 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF116879.D
Acq: 7 Sep 2019 8:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.5	24.7
203	17.6	13.7	20.5





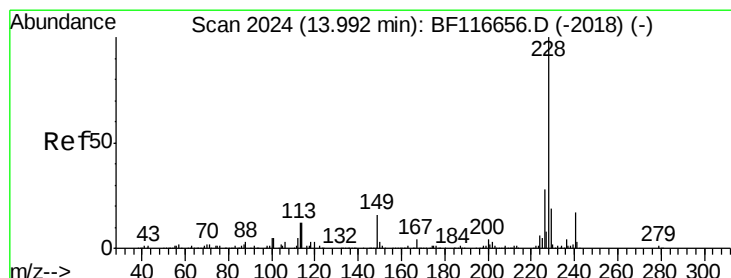
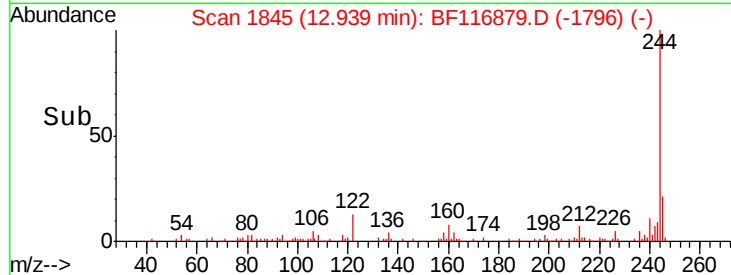
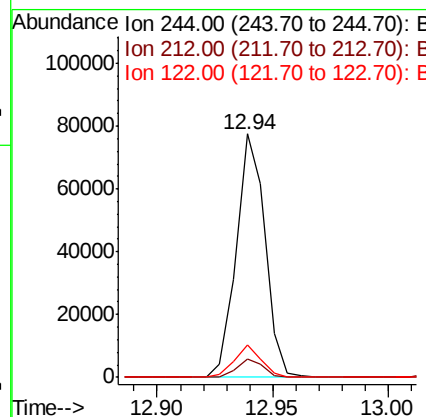
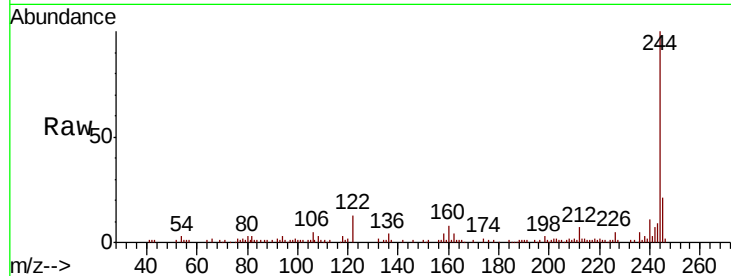
#79
 Terphenyl-d14
 Concen: 7.709 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116879.D
 Acq: 7 Sep 2019 8:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-26-COMPDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	13.3	10.2	15.4

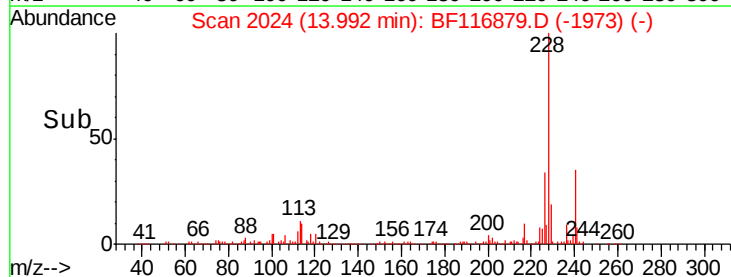
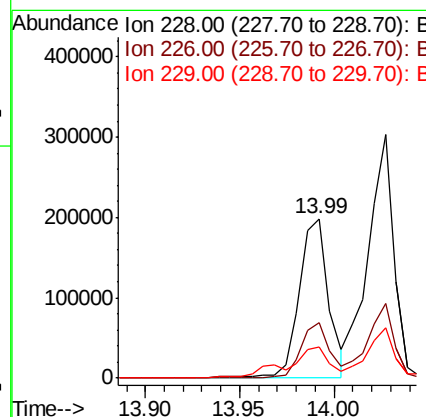
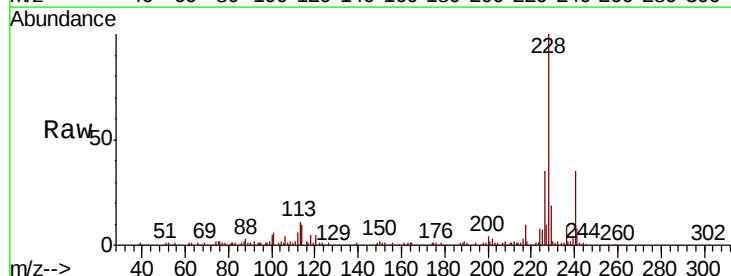
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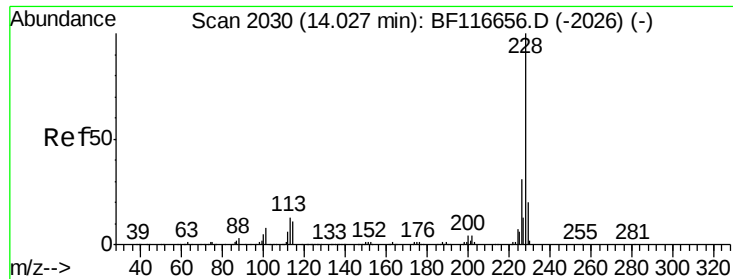
mohammad
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#81
 Benzo(a)anthracene
 Concen: 21.089 ng m
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.00 min
 Lab File: BF116879.D
 Acq: 7 Sep 2019 8:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.7	22.0	33.0#
229	19.4	16.4	24.6





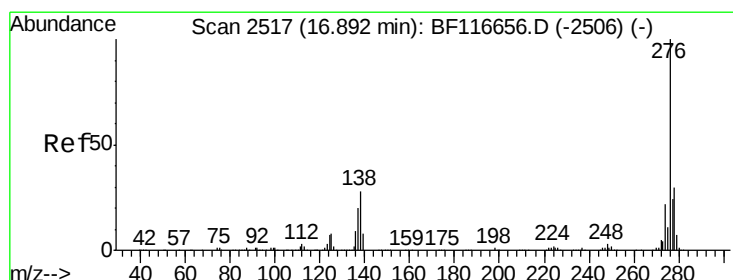
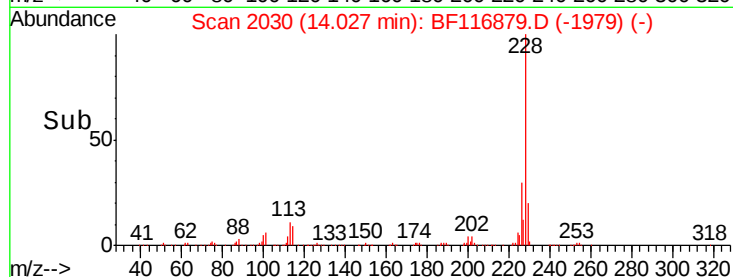
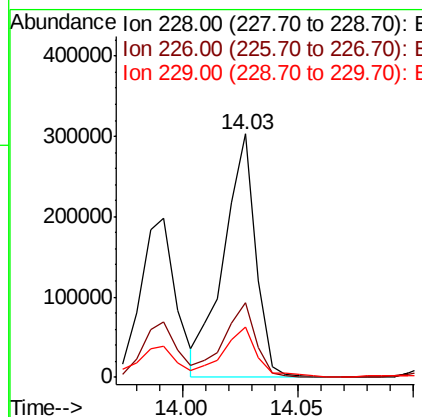
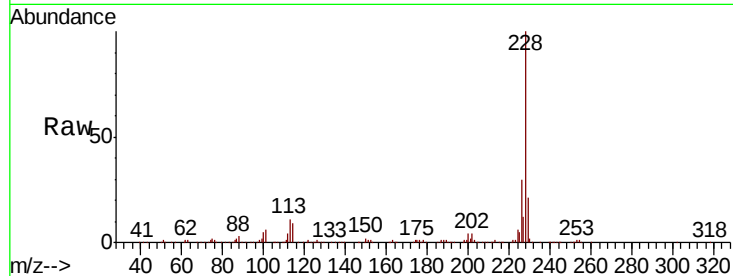
#83
Chrysene
Concen: 27.568 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF116879.D
Acq: 7 Sep 2019 8:36

Instrument :
BNA_F
ClientSampleId :
SB-26-COMPDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	20.8	15.4	23.0

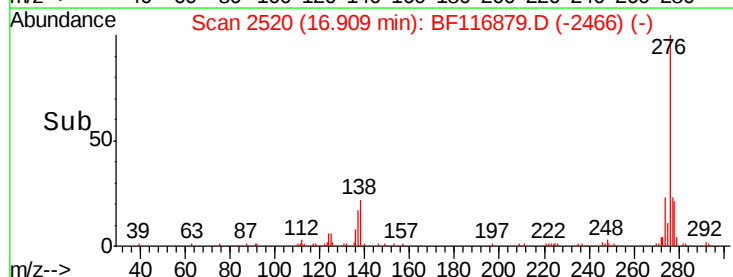
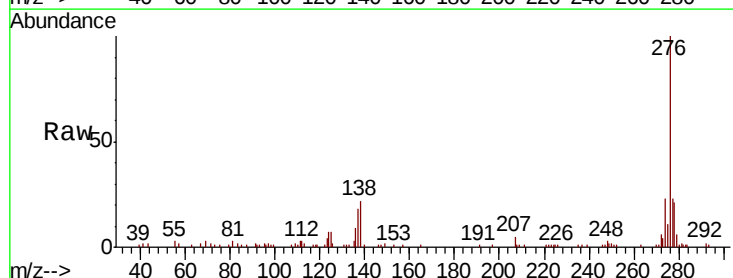
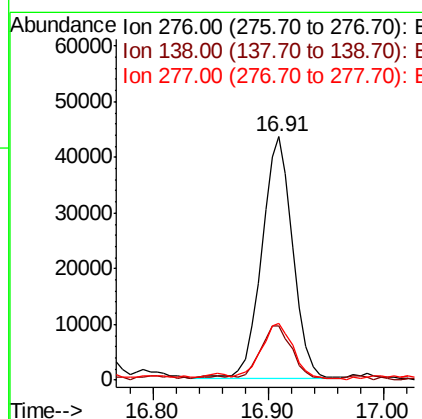
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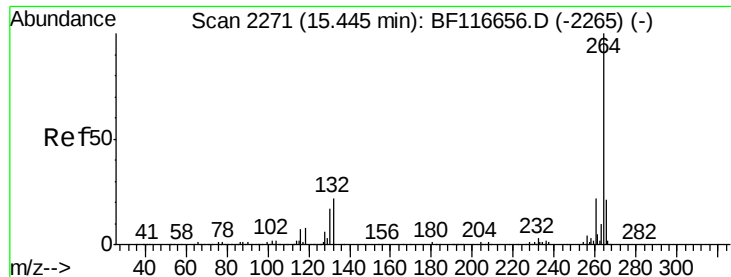
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 9.567 ng
RT: 16.91 min Scan# 2520
Delta R.T. 0.02 min
Lab File: BF116879.D
Acq: 7 Sep 2019 8:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.5	19.4	29.2
277	25.3	20.5	30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BF116879.D

Acq: 7 Sep 2019 8:36

Instrument :

BNA_F

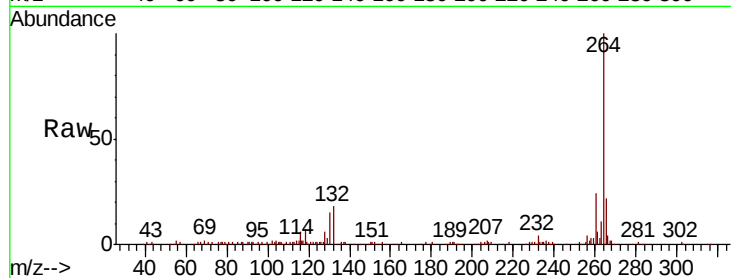
ClientSampleId :

SB-26-COMPDL

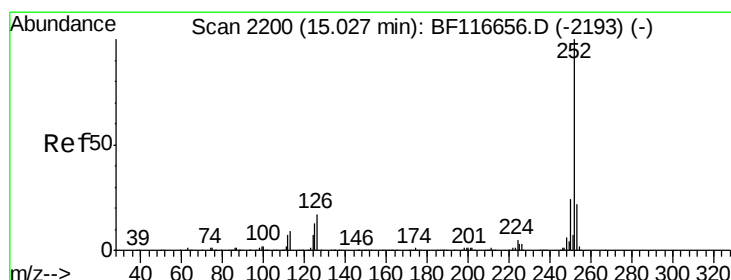
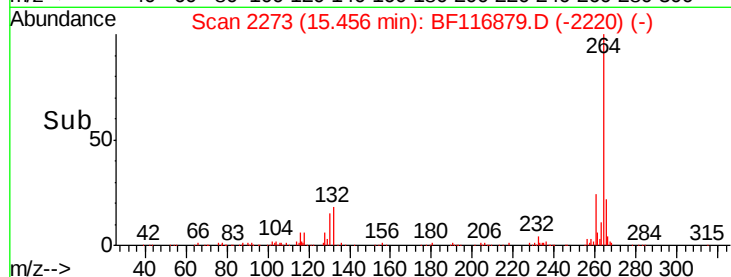
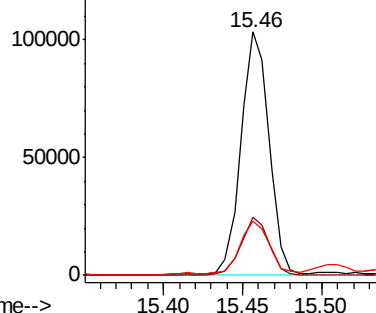
Tot Ion:	264	Resp:	128606
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.3	27.5
265	22.2	16.5	24.7

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 34.075 ng m

RT: 15.04 min Scan# 2202

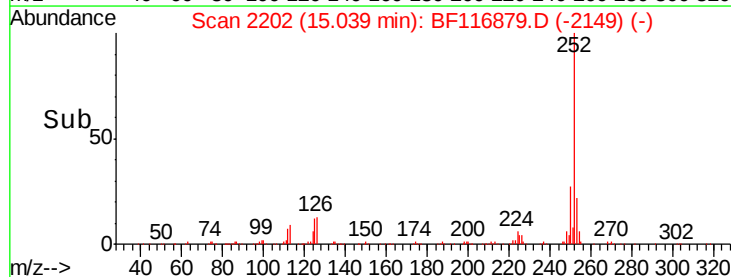
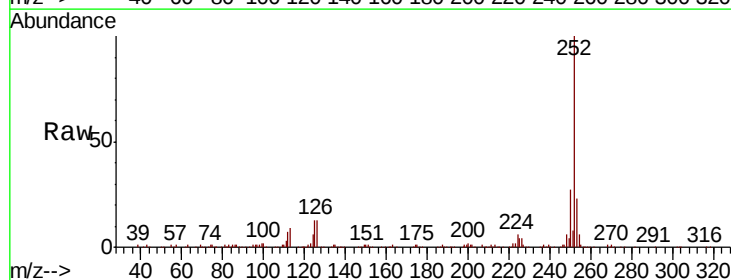
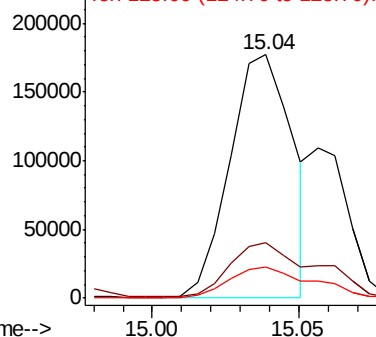
Delta R.T. 0.01 min

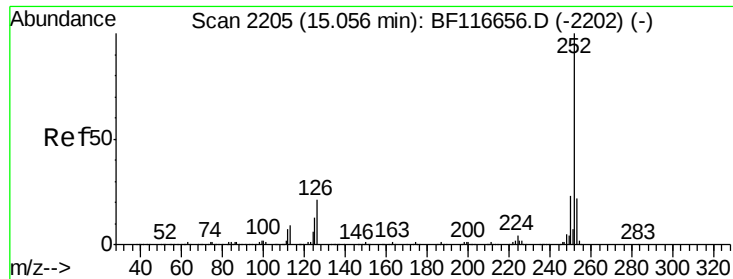
Lab File: BF116879.D

Acq: 7 Sep 2019 8:36

Tgt Ion:	252	Resp:	264945
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.7	26.5
125	12.5	8.2	12.2#

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





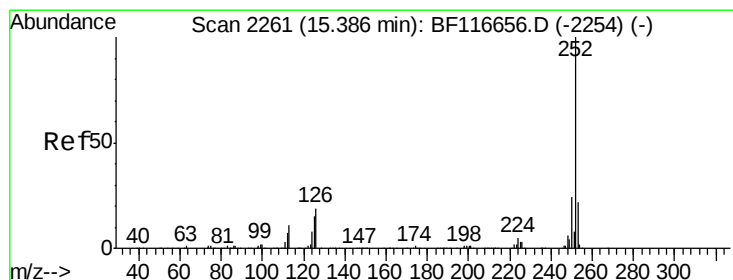
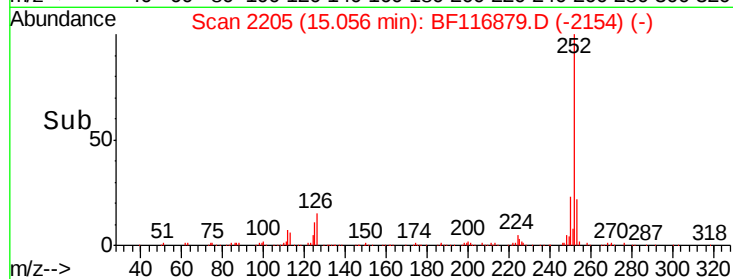
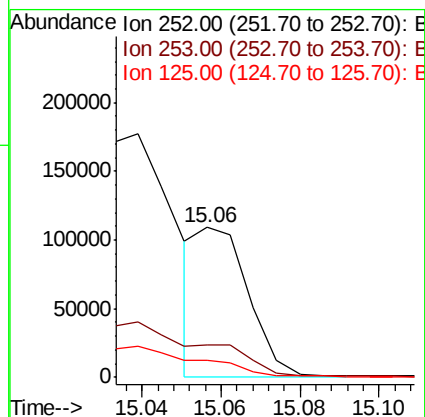
#89
Benzo(k)fluoranthene
Concen: 13.954 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF116879.D
Acq: 7 Sep 2019 8:36

Instrument :
BNA_F
ClientSampleId :
SB-26-COMPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	11.7	8.6	13.0

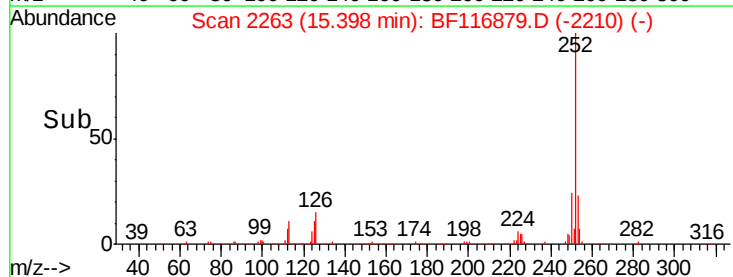
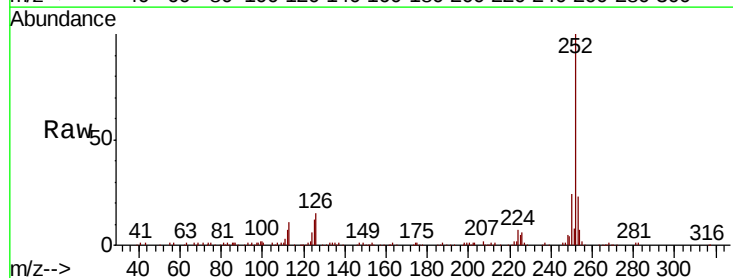
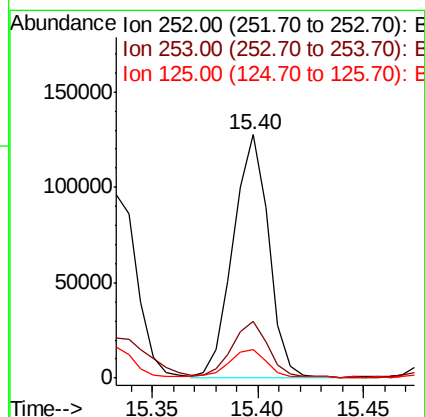
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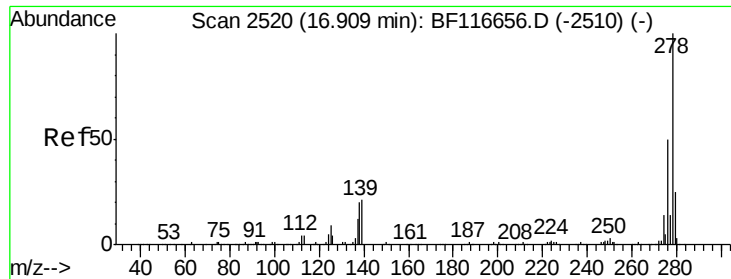
mohammad
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#90
Benzo(a)pyrene
Concen: 21.812 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116879.D
Acq: 7 Sep 2019 8:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	11.7	9.8	14.8





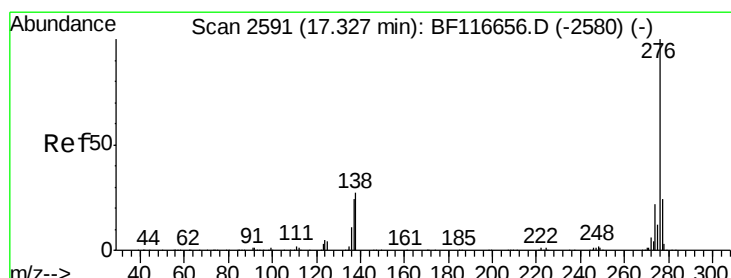
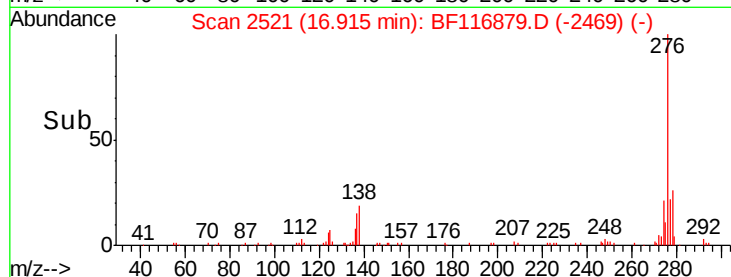
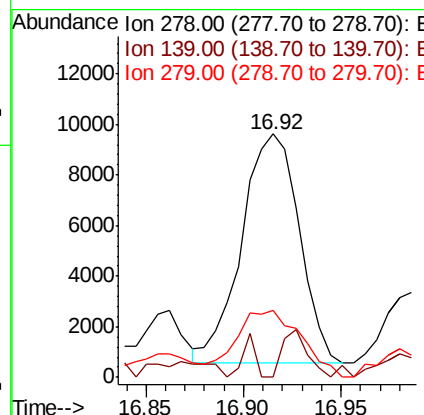
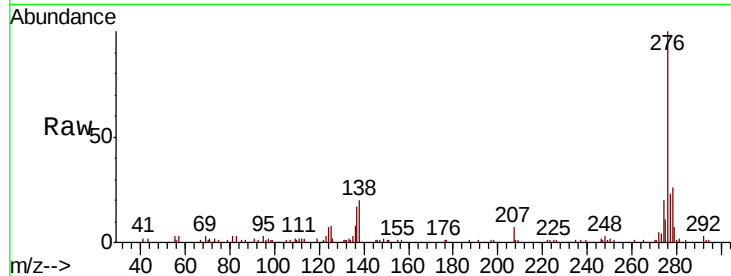
#91
Dibenzo(a,h)anthracene
Concen: 3.124 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF116879.D
Acq: 7 Sep 2019 8:36

Instrument :
BNA_F
ClientSampleId :
SB-26-COMPDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.4	18.6
279	27.3	18.2	27.4

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#92
Benzo(g,h,i)perylene
Concen: 12.163 ng
RT: 17.35 min Scan# 2595
Delta R.T. 0.02 min
Lab File: BF116879.D
Acq: 7 Sep 2019 8:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.5	27.7
138	23.6	16.2	24.2

