

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095413.D
 Acq On : 25 May 2017 7:45
 Operator : SJ/MA
 Sample : I3300-04 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S11-ESW

Manual Integrations
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Quant Time: May 25 16:32:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	75346	20.00	ng	-0.01
21) Naphthalene-d8	9.78	136	284195	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	109570	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	187494	20.00	ng	-0.01
75) Chrysene-d12	18.68	240	170802	20.00	ng	-0.01
86) Perylene-d12	20.37	264	113107	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	57947	12.82	ng	0.06
7) Phenol-d6	7.40	99	72338	13.34	ng	0.08
23) Nitrobenzene-d5	8.69	82	54234	12.03	ng	0.02
41) 2,4,6-Tribromophenol	13.93	330	11214	12.50	ng	0.01
44) 2-Fluorobiphenyl	11.55	172	117390	15.42	ng	0.00
78) Terphenyl-d14	17.32	244	88204	11.37	ng	-0.02
Target Compounds						
48) Acenaphthylene	12.39	152	28824	2.47	ng	99
70) Phenanthrene	15.05	178	66924	6.21	ng	98
74) Fluoranthene	16.79	202	67744	6.13	ng	98
77) Pyrene	17.09	202	114940	9.00	ng	97
80) Benzo(a)anthracene	18.67	228	30864	3.10	ng	# 86
82) Chrysene	18.72	228	37412m	3.89	ng	
85) Indeno(1,2,3-cd)pyrene	21.71	276	19271	2.47	ng	94
87) Benzo(b)fluoranthene	19.96	252	32655m	4.67	ng	
89) Benzo(a)pyrene	20.31	252	32022	4.97	ng	97
91) Benzo(g,h,i)perylene	22.11	276	26253	5.02	ng	# 93

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

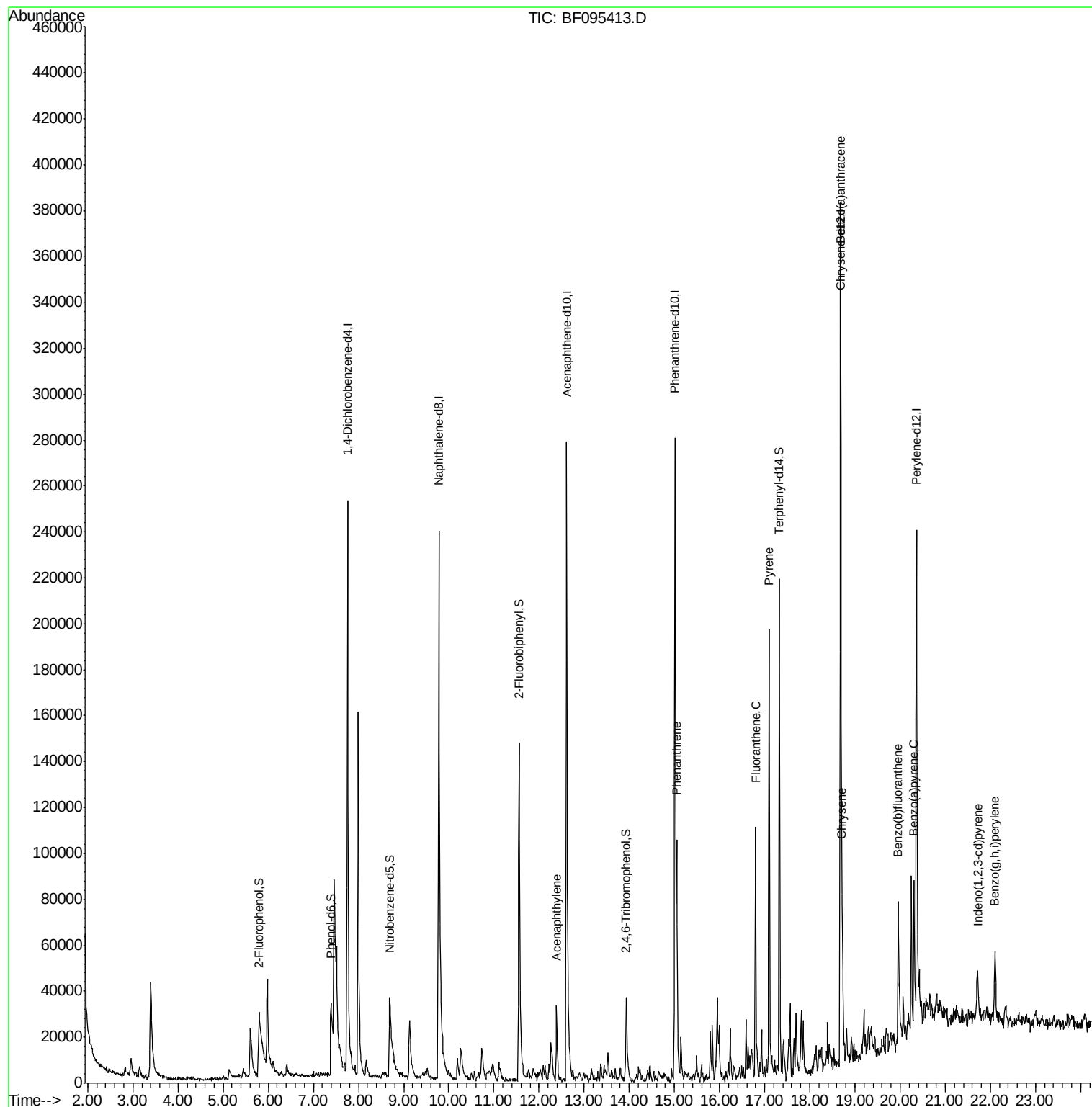
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095413.D
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Sample : I3300-04 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

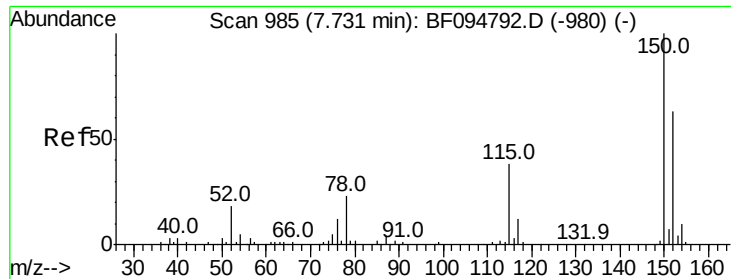
Instrument :
BNA_F
ClientSampleId :
E2-S11-ESW

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#1

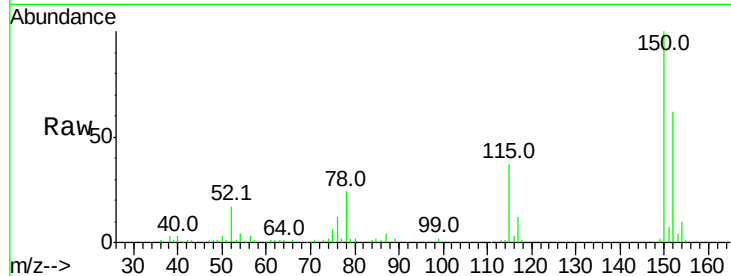
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF095413.D
Acq: 25 May 2017 7:45

Instrument :
BNA_F
ClientSampleId :
E2-S11-ESW

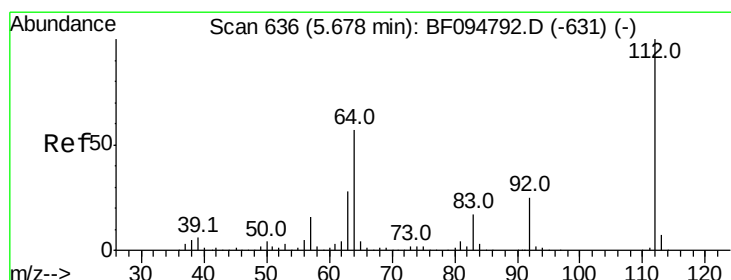
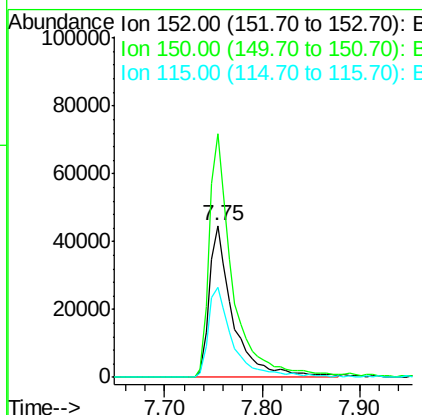
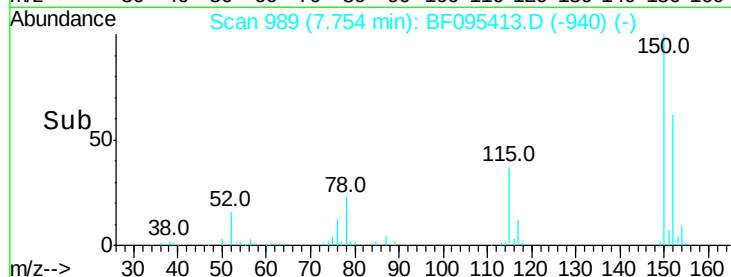
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	126.2	189.2
115	59.3	52.2	78.2

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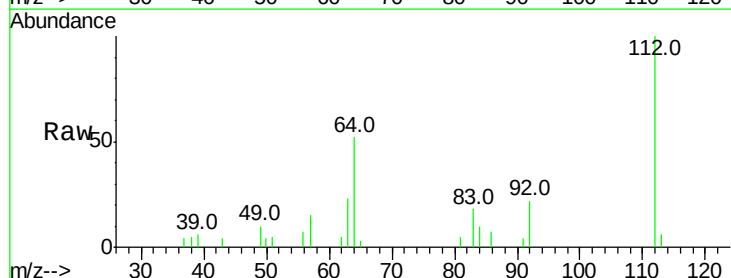
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



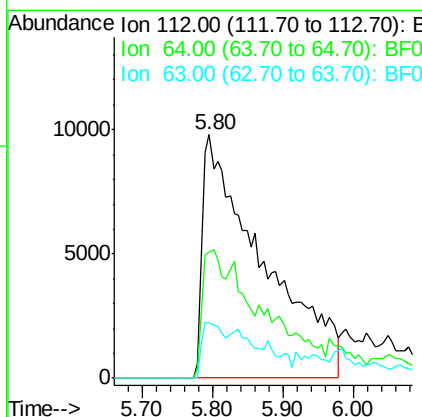
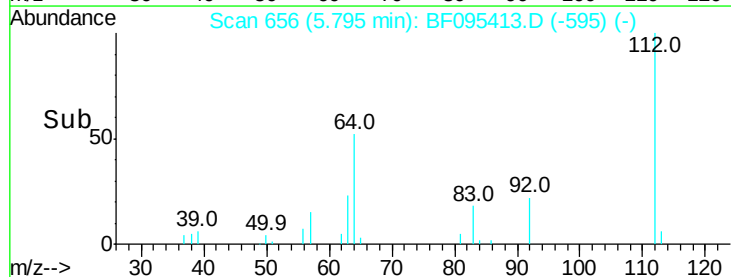
#5

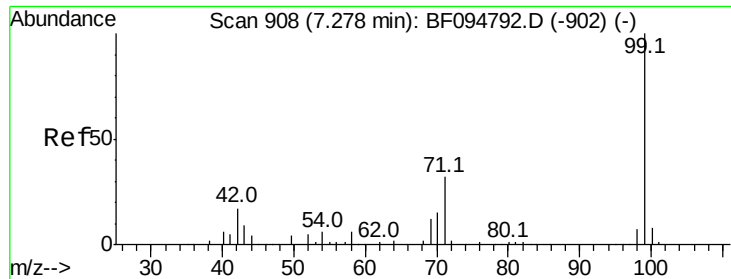
2-Fluorophenol
Concen: 12.82 ng
RT: 5.80 min Scan# 656
Delta R.T. 0.06 min
Lab File: BF095413.D
Acq: 25 May 2017 7:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	46.0	69.0
63	23.0	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 13.34 ng

RT: 7.40 min Scan# 928

Delta R.T. 0.08 min

Lab File: BF095413.D

Acq: 25 May 2017 7:45

Instrument :

BNA_F

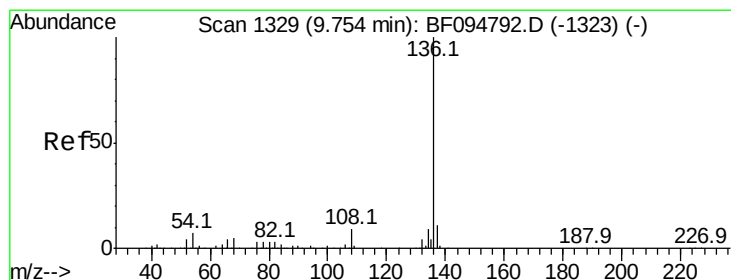
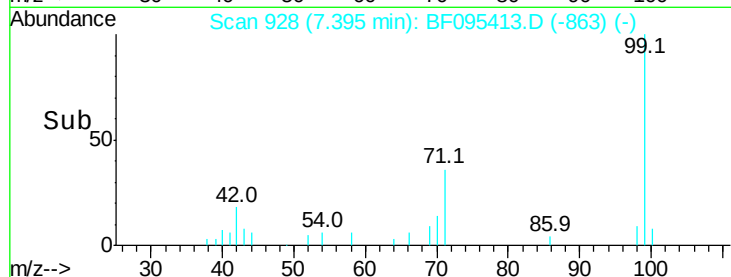
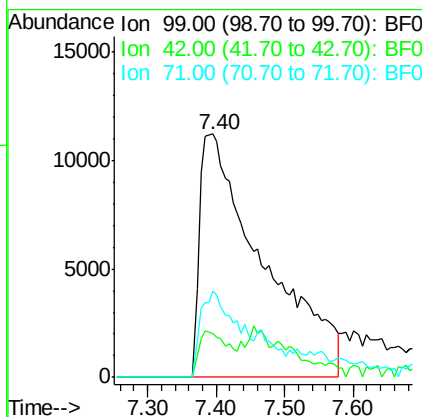
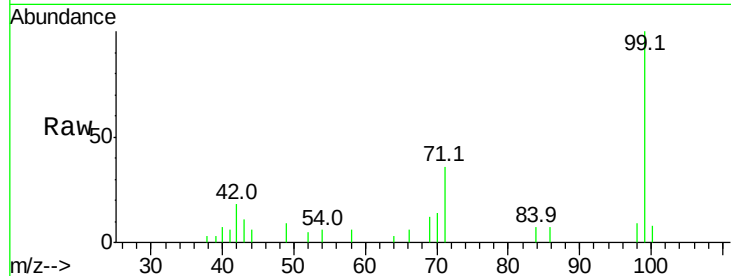
ClientSampleId :

E2-S11-ESW

Tot Ion:	99	Resp:	72338
Ion Ratio	Lower	Upper	
99	100		
42	18.0	13.5	20.3
71	35.5	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

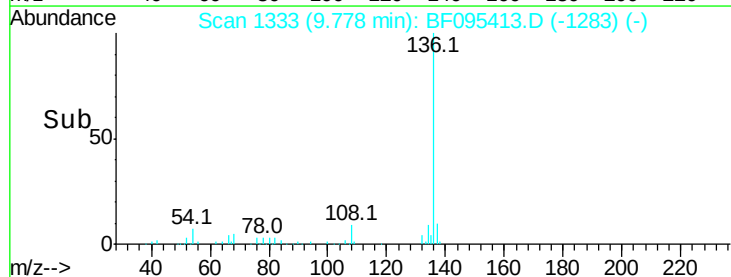
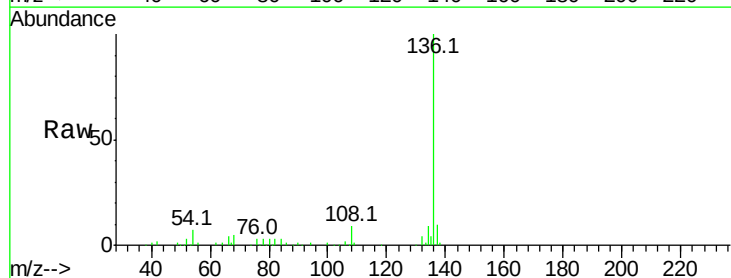
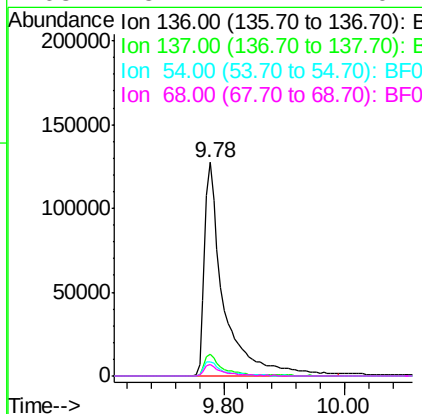
RT: 9.78 min Scan# 1333

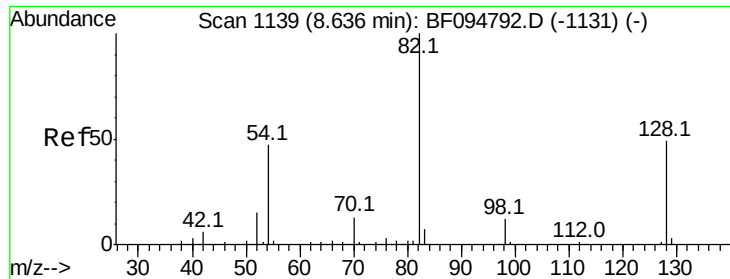
Delta R.T. -0.01 min

Lab File: BF095413.D

Acq: 25 May 2017 7:45

Tgt Ion:	136	Resp:	284195
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.5	12.7
54	6.9	4.9	7.3
68	5.2	4.1	6.1





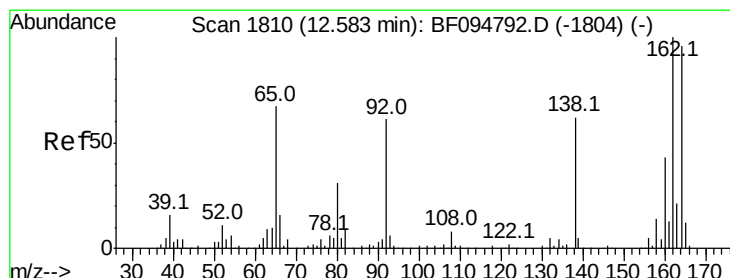
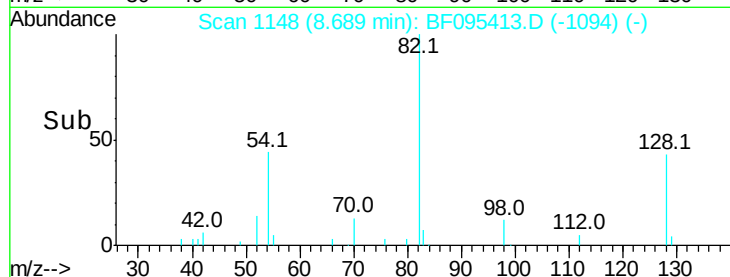
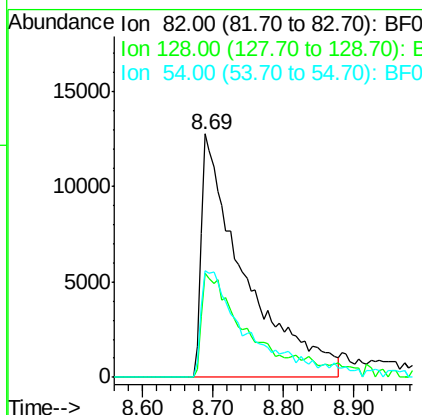
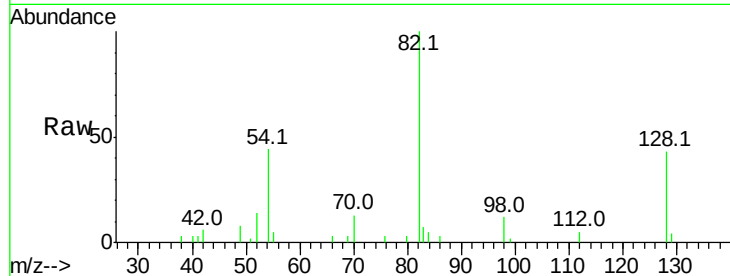
#23
 Nitrobenzene-d5
 Concen: 12.03 ng
 RT: 8.69 min Scan# 1148
 Delta R.T. 0.02 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

Instrument :
 BNA_F
 ClientSampleId :
 E2-S11-ESW

Tot Ion	82	Resp	54234
Ion Ratio	100	Lower	Upper
128	42.7	34.0	51.0
54	43.8	42.2	63.2

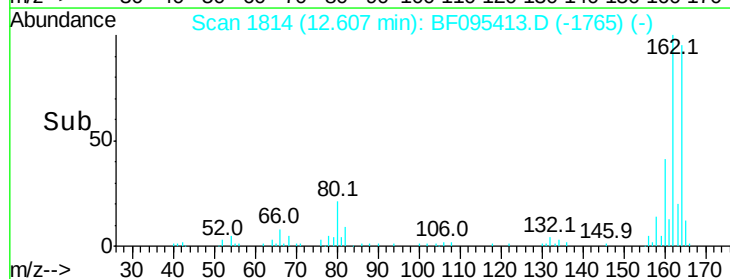
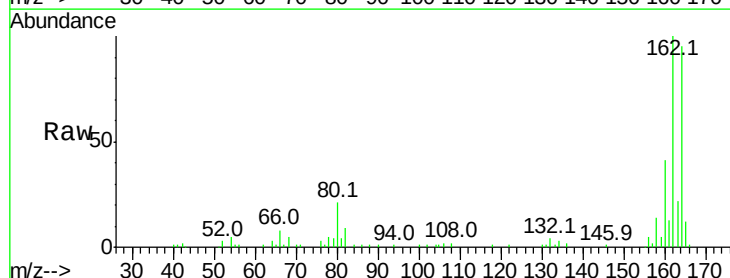
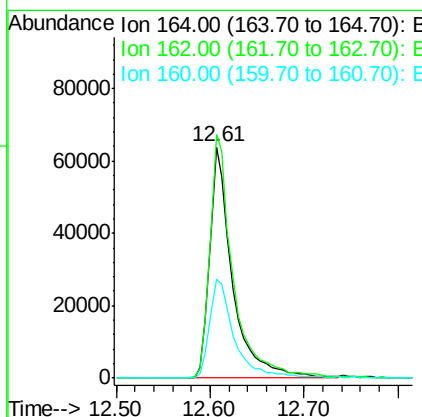
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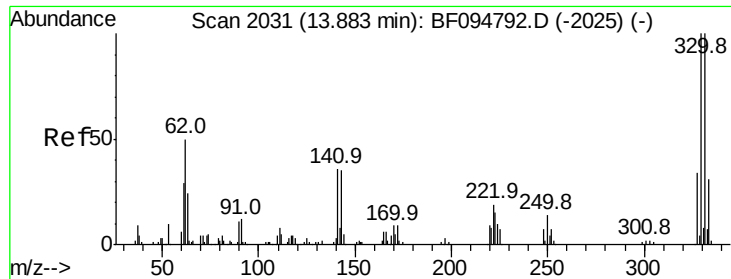
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

Tgt Ion	164	Resp	109570
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	105.4	82.6	123.8
160	42.8	36.2	54.2





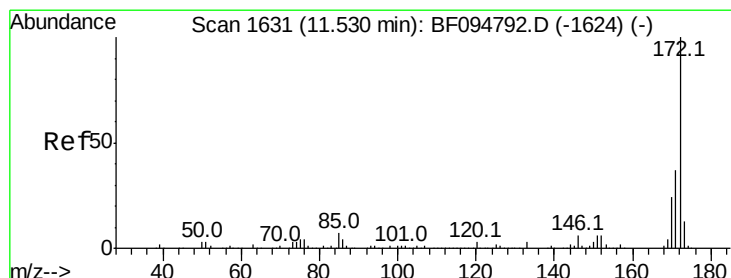
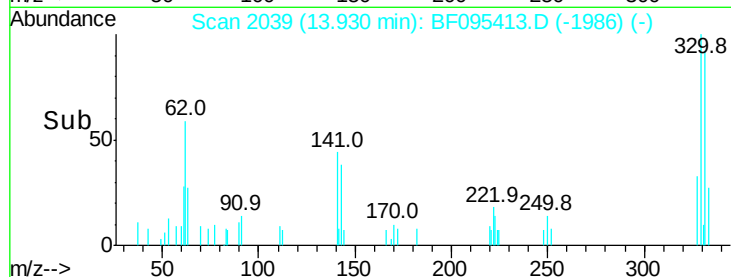
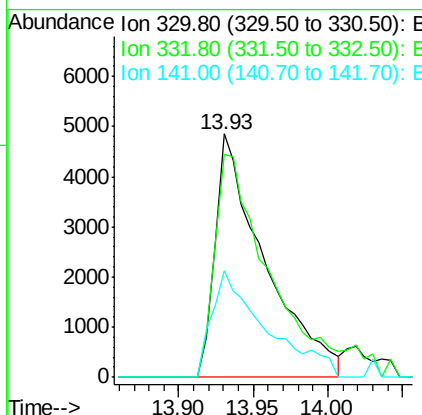
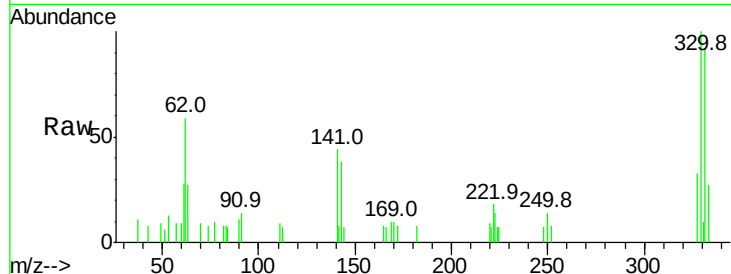
#41
 2,4,6-Tribromophenol
 Concen: 12.50 ng
 RT: 13.93 min Scan# 2039
 Delta R.T. 0.01 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

Instrument :
 BNA_F
 ClientSampleId :
 E2-S11-ESW

Tot Ion	Ratio	Lower	Upper
330	100		
332	106.9	76.6	115.0
141	47.4	31.4	47.2#

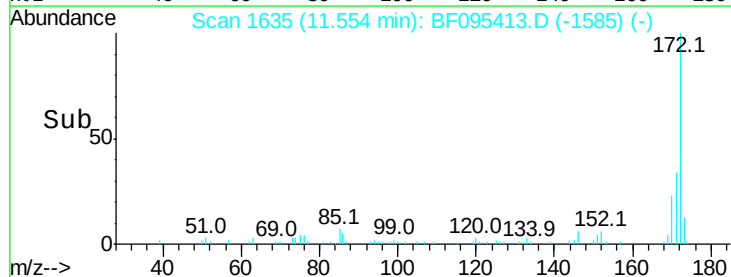
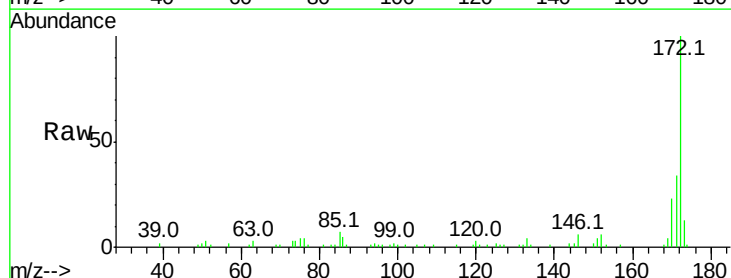
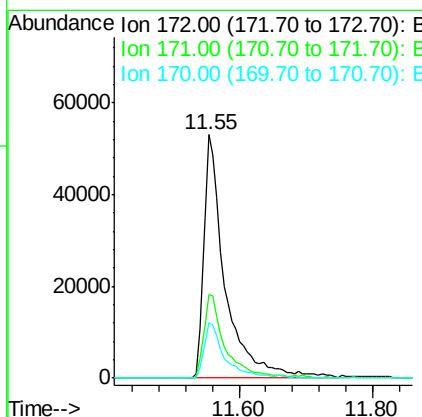
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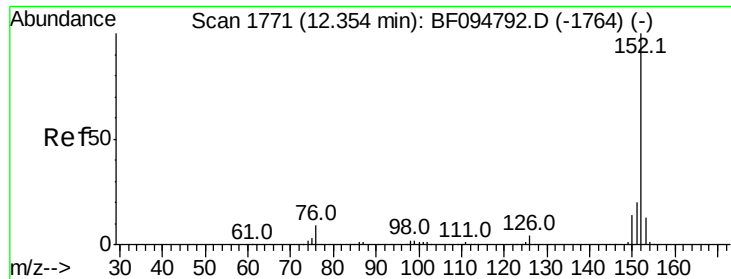
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#44
 2-Fluorobiphenyl
 Concen: 15.42 ng
 RT: 11.55 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.6	44.4
170	22.9	19.8	29.8





#48

Acenaphthylene

Concen: 2.47 ng

RT: 12.39 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BF095413.D

Acq: 25 May 2017 7:45

Instrument :

BNA_F

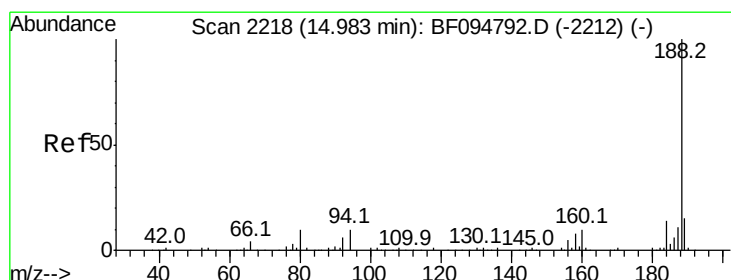
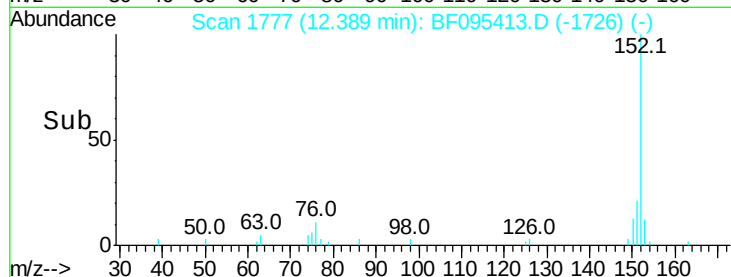
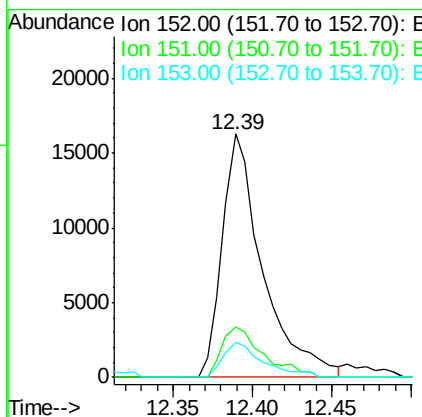
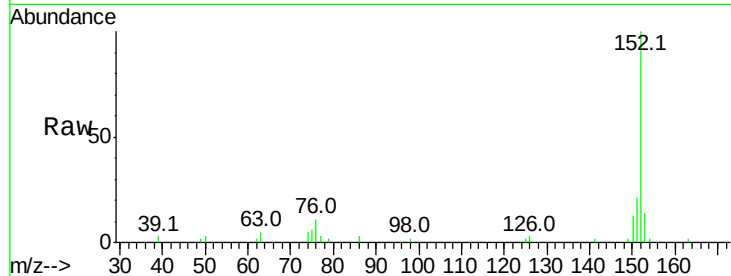
ClientSampleId :

E2-S11-ESW

Tot Ion:	152	Resp:	28824
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.8	25.2
153	14.2	10.8	16.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

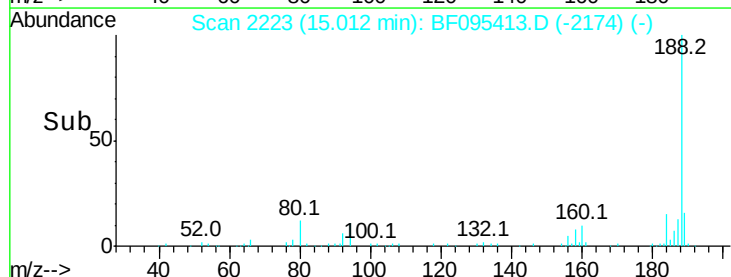
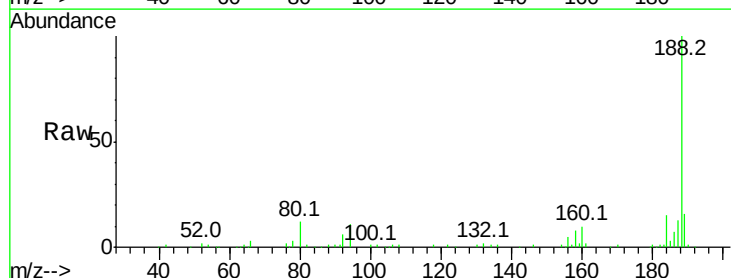
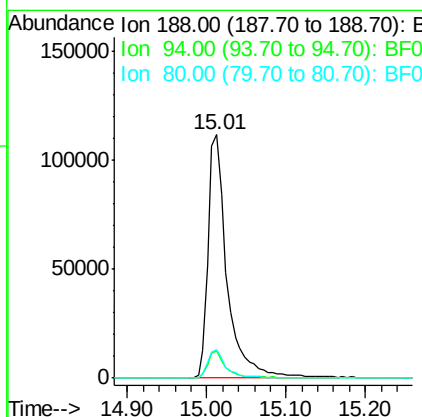
RT: 15.01 min Scan# 2223

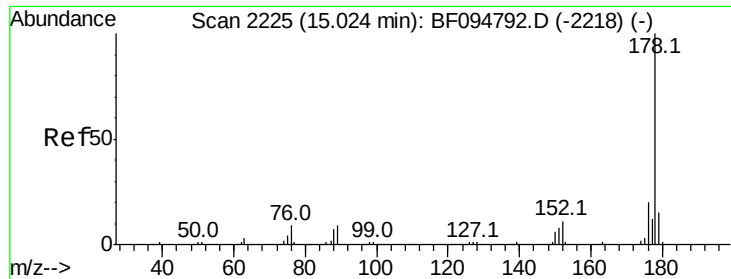
Delta R.T. -0.01 min

Lab File: BF095413.D

Acq: 25 May 2017 7:45

Tgt Ion:	188	Resp:	187494
Ion Ratio	Lower	Upper	
188	100		
94	11.1	9.4	14.2
80	11.6	10.2	15.2





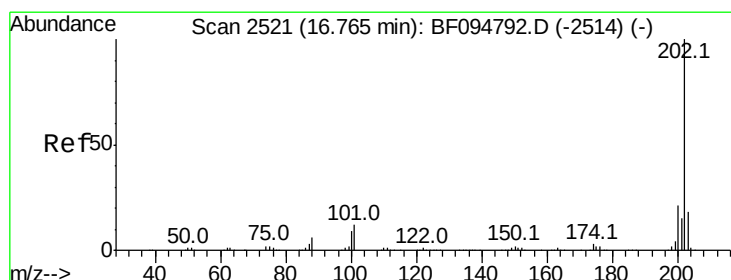
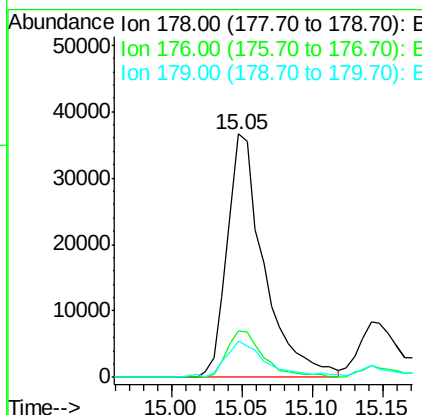
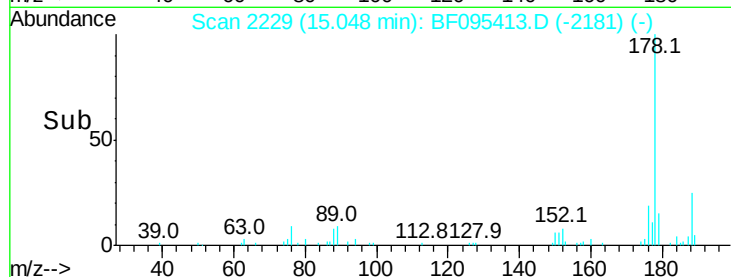
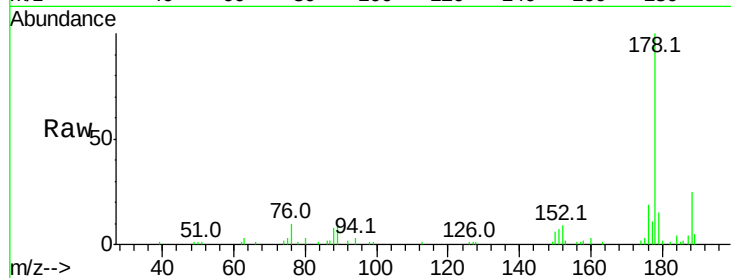
#70
Phenanthrene
Concen: 6.21 ng
RT: 15.05 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BF095413.D
Acq: 25 May 2017 7:45

Instrument :
BNA_F
ClientSampleId :
E2-S11-ESW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.0	12.6	19.0

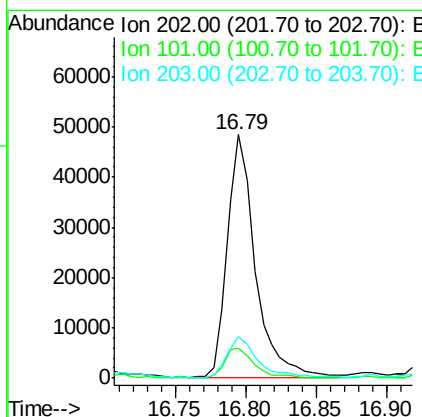
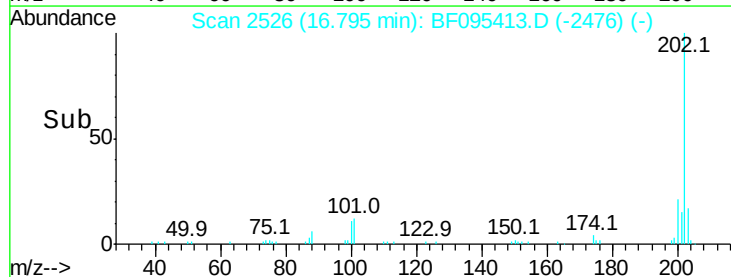
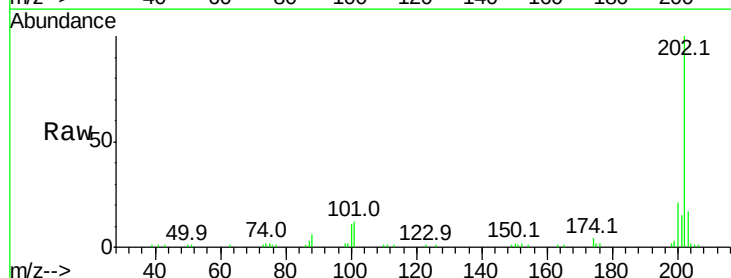
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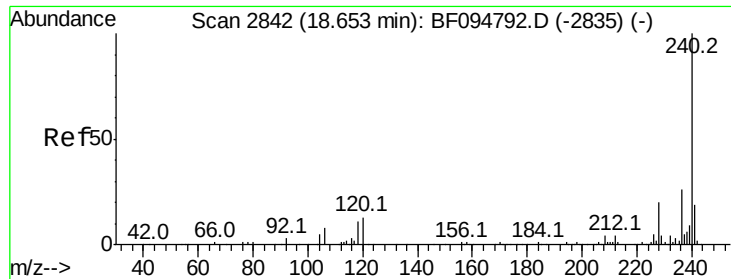
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#74
Fluoranthene
Concen: 6.13 ng
RT: 16.79 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF095413.D
Acq: 25 May 2017 7:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.68 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BF095413.D

Acq: 25 May 2017 7:45

Instrument :

BNA_F

ClientSampleId :

E2-S11-ESW

Tot Ion:240 Resp: 170802

Ion Ratio Lower Upper

240 100

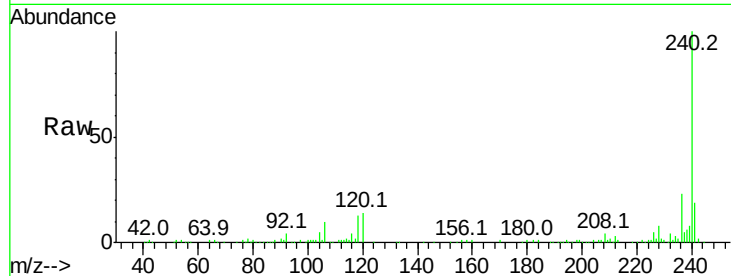
120 14.4 5.8 8.8#

236 23.0 20.5 30.7

Manual Integrations
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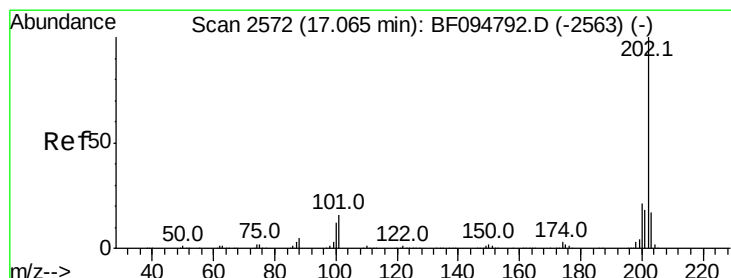
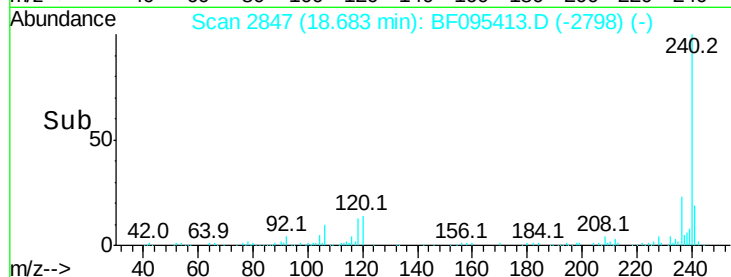
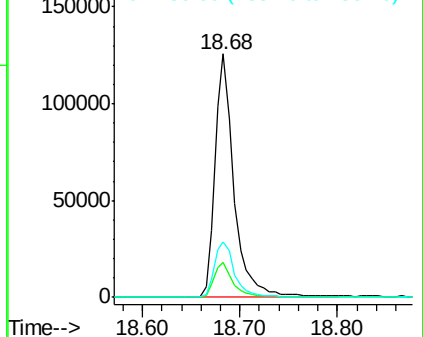
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 9.00 ng

RT: 17.09 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BF095413.D

Acq: 25 May 2017 7:45

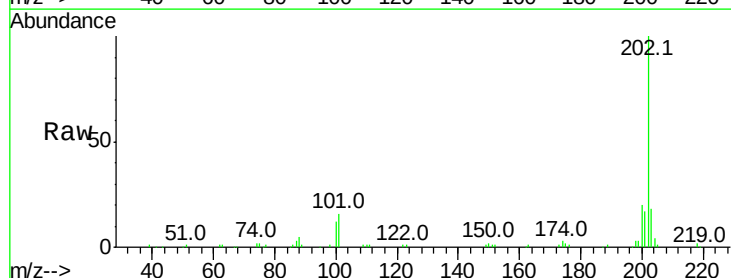
Tgt Ion:202 Resp: 114940

Ion Ratio Lower Upper

202 100

200 19.7 17.6 26.4

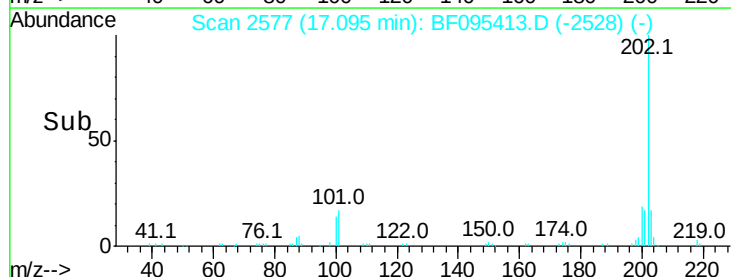
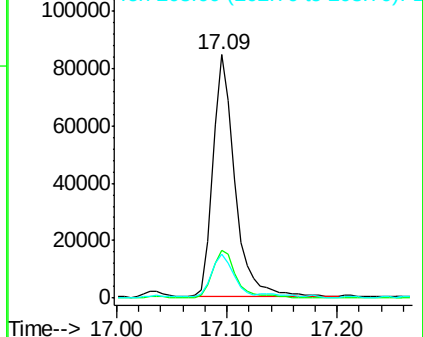
203 17.9 14.4 21.6

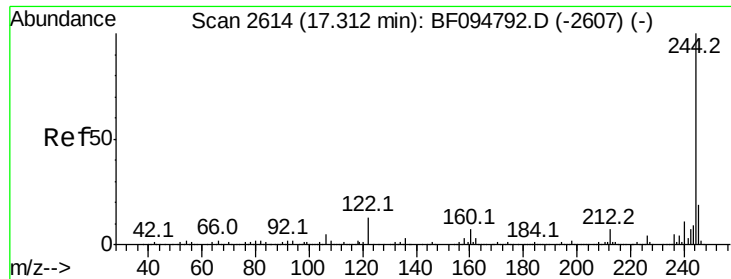


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





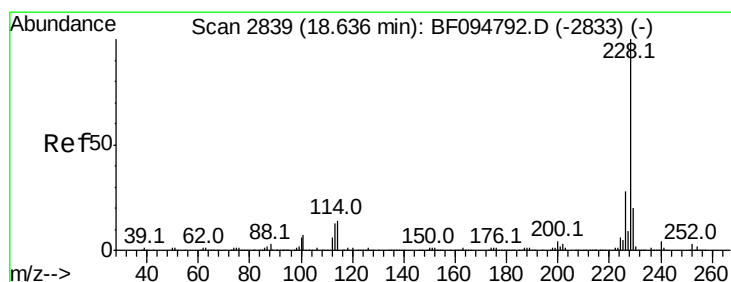
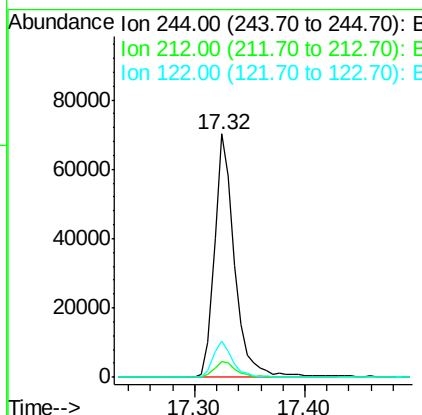
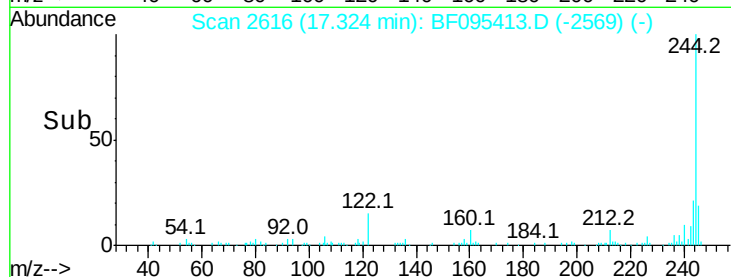
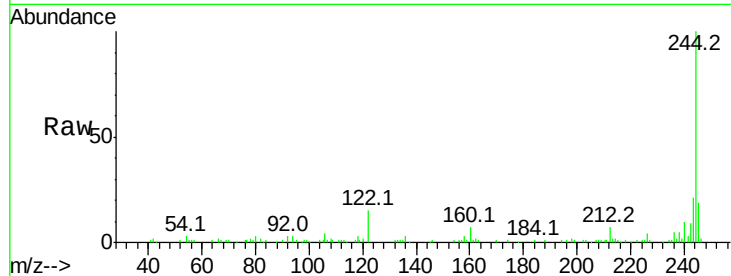
#78
 Terphenyl-d14
 Concen: 11.37 ng
 RT: 17.32 min Scan# 2616
 Delta R.T. -0.02 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

Instrument :
 BNA_F
 ClientSampleId :
 E2-S11-ESW

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	14.9	10.3	15.5

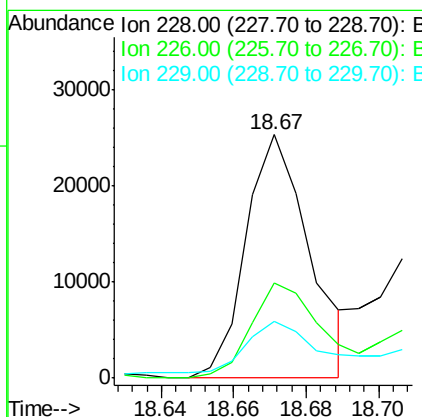
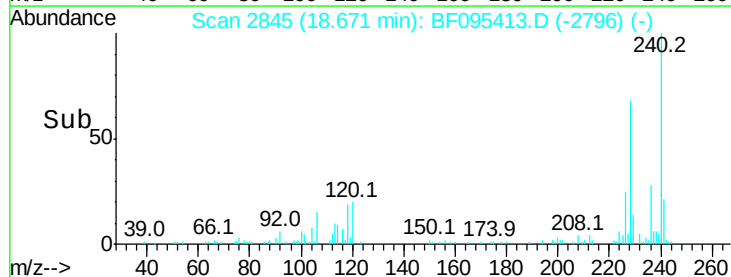
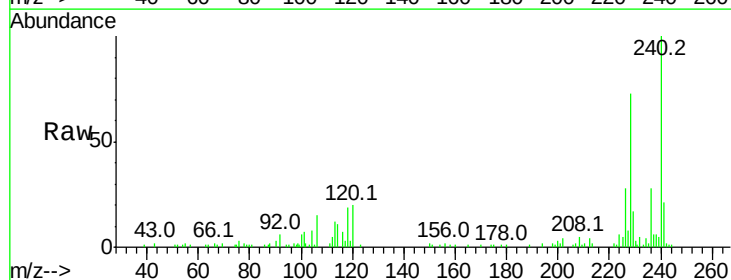
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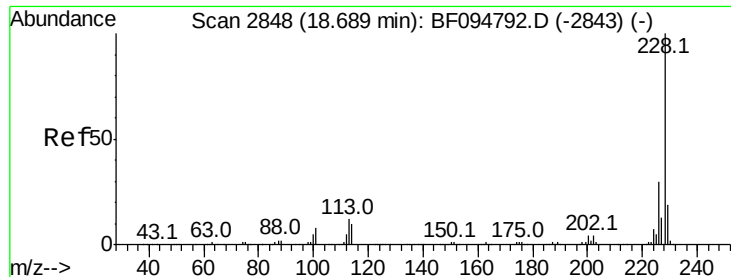
mohammad
 5/25/2017 6:10:58 PM



#80
 Benzo(a)anthracene
 Concen: 3.10 ng
 RT: 18.67 min Scan# 2845
 Delta R.T. -0.01 min
 Lab File: BF095413.D
 Acq: 25 May 2017 7:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.9	22.6	33.8#
229	23.3	16.3	24.5





#82

Chrysene

Concen: 3.89 ng/mL

RT: 18.72 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF095413.D

Acq: 25 May 2017 7:45

Instrument :

BNA_F

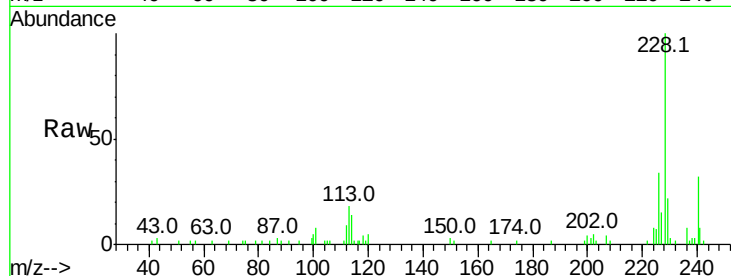
ClientSampleId :

E2-S11-ESW

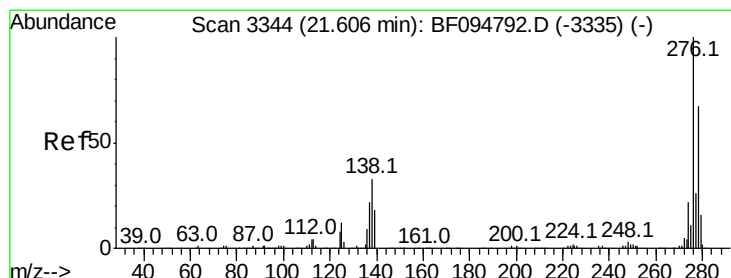
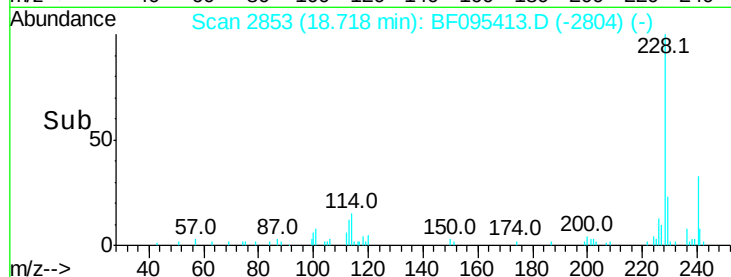
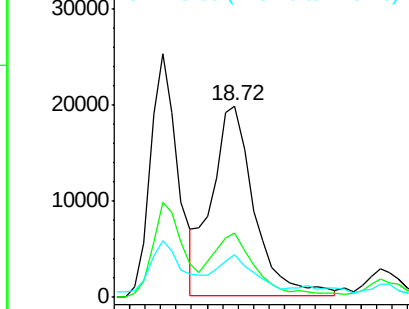
Tot Ion:	228	Resp:	37412
Ion Ratio	Lower	Upper	
228	100		
226	33.9	24.9	37.3
229	22.1	15.8	23.6

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.47 ng/mL

RT: 21.71 min Scan# 3362

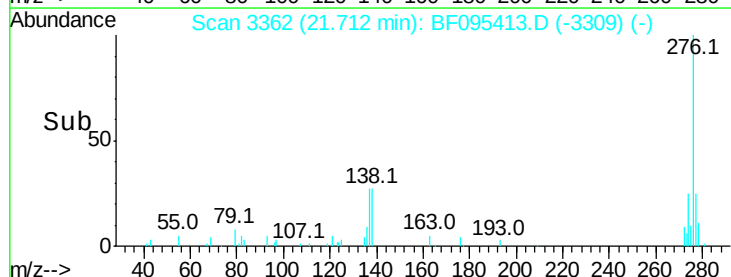
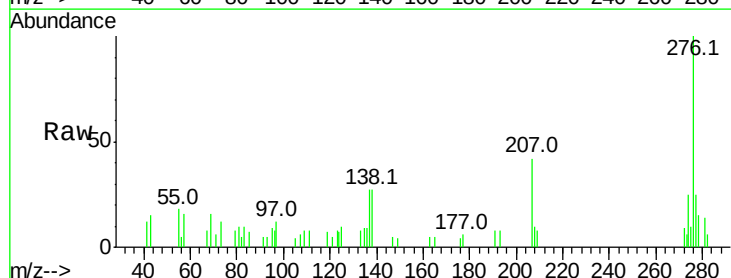
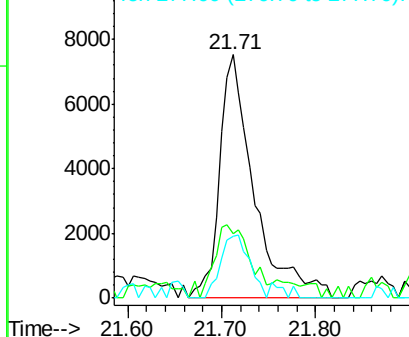
Delta R.T. 0.01 min

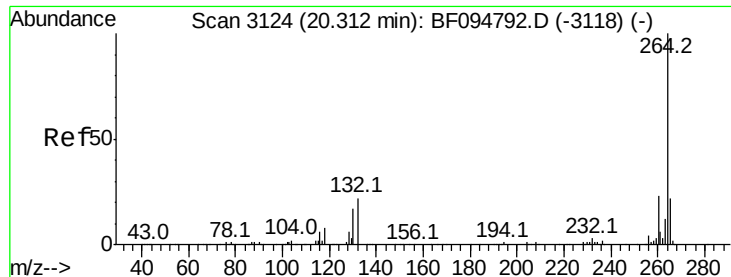
Lab File: BF095413.D

Acq: 25 May 2017 7:45

Tgt Ion:	276	Resp:	19271
Ion Ratio	Lower	Upper	
276	100		
138	31.8	27.8	41.6
277	21.5	20.2	30.4

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





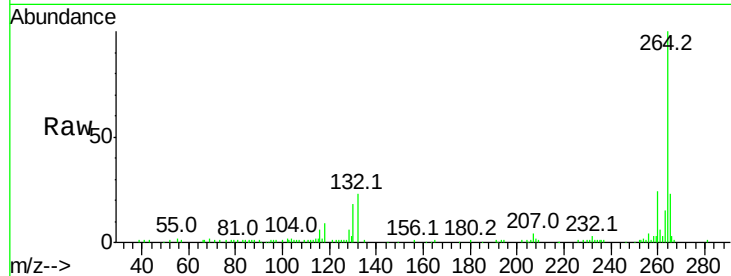
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BF095413.D
Acq: 25 May 2017 7:45

Instrument :
BNA_F
ClientSampleId :
E2-S11-ESW

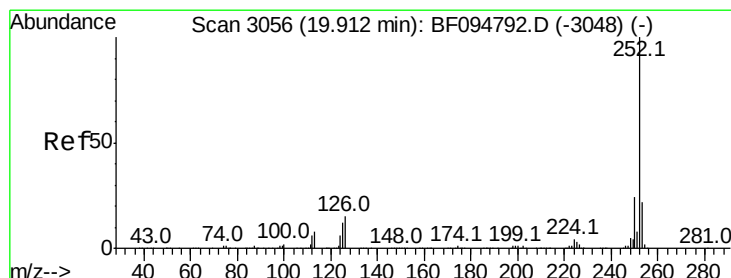
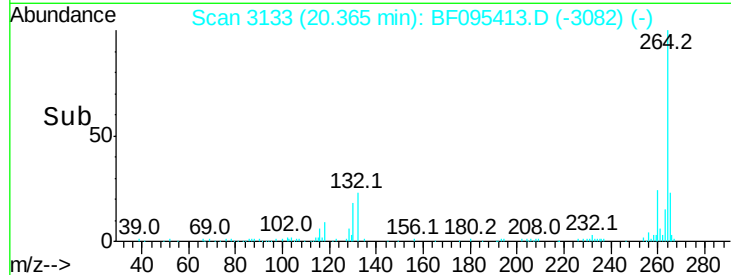
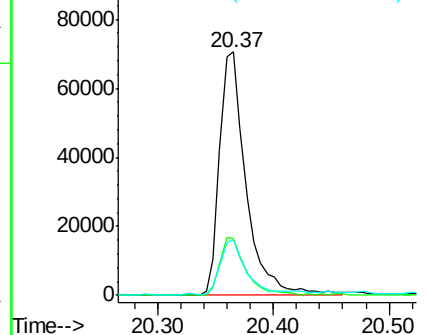
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	22.5	17.2	25.8

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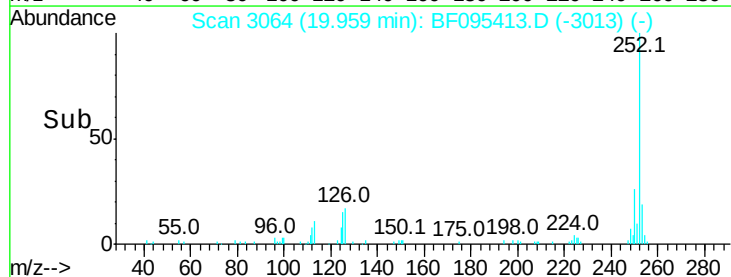
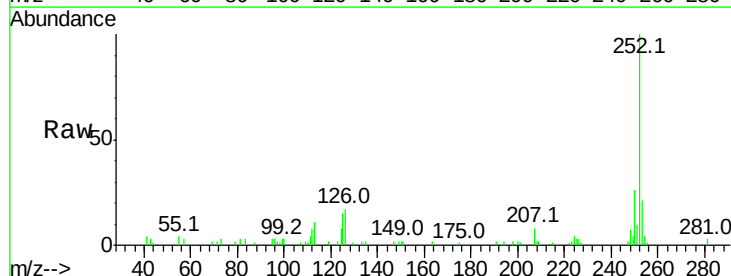
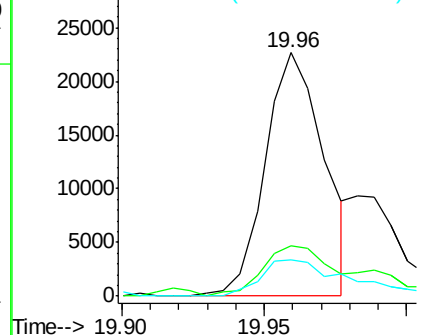
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

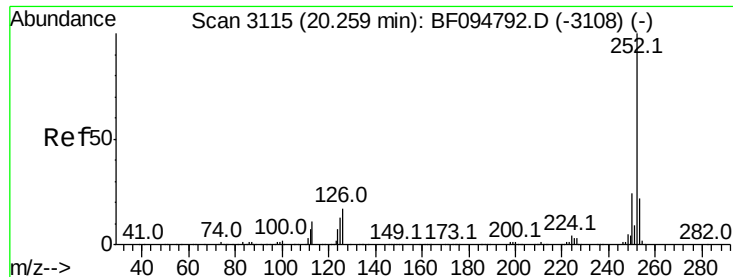


#87
Benzo(b)fluoranthene
Concen: 4.67 ng m
RT: 19.96 min Scan# 3064
Delta R.T. 0.00 min
Lab File: BF095413.D
Acq: 25 May 2017 7:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	18.1	27.1
125	14.8	9.8	14.8#

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





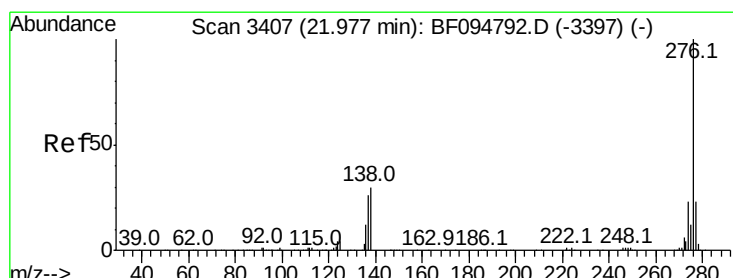
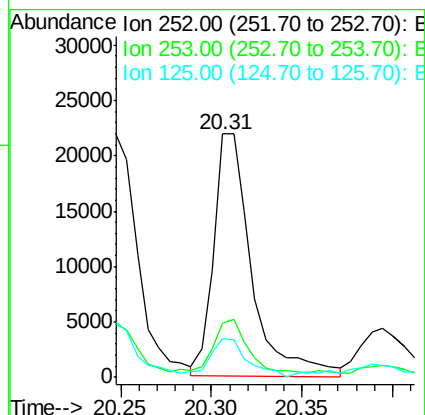
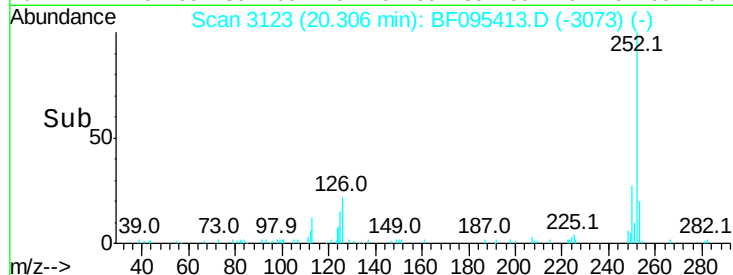
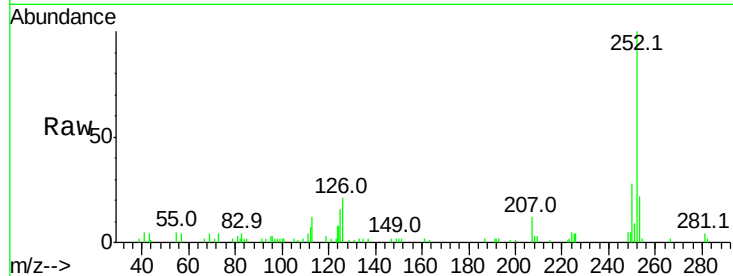
#89
Benzo(a)pyrene
Concen: 4.97 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095413.D
Acq: 25 May 2017 7:45

Instrument :
BNA_F
ClientSampleId :
E2-S11-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	15.9	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 5.02 ng
RT: 22.11 min Scan# 3429
Delta R.T. 0.02 min
Lab File: BF095413.D
Acq: 25 May 2017 7:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.8	18.6	28.0#
138	33.1	25.4	38.0

