

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
 Data File : BF095516.D
 Acq On : 28 May 2017 1:34
 Operator : SJ/MA
 Sample : I3244-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM13-COMP-6-18

Manual Integrations
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Quant Time: May 29 03:06:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	99818	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	338405	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	161981	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	237029	20.00	ng	0.00
75) Chrysene-d12	18.68	240	172621	20.00	ng	0.00
86) Perylene-d12	20.35	264	145182	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	640397	106.96	ng	0.00
7) Phenol-d6	7.28	99	762016	106.08	ng	-0.01
23) Nitrobenzene-d5	8.64	82	387917	72.28	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	124332	93.72	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	740560	65.81	ng	0.00
78) Terphenyl-d14	17.31	244	348807	44.51	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	12.24	163	107635	8.09	ng	# 98
70) Phenanthrene	15.04	178	37398	2.75	ng	96
74) Fluoranthene	16.79	202	58152	4.16	ng	97
77) Pyrene	17.09	202	54808	4.25	ng	96
80) Benzo(a)anthracene	18.67	228	25433	2.53	ng	97
82) Chrysene	18.71	228	34003	3.50	ng	97
87) Benzo(b)fluoranthene	19.95	252	32103m	3.58	ng	
89) Benzo(a)pyrene	20.31	252	24713	2.99	ng	94
91) Benzo(g,h,i)perylene	22.11	276	15138	2.26	ng	# 83

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

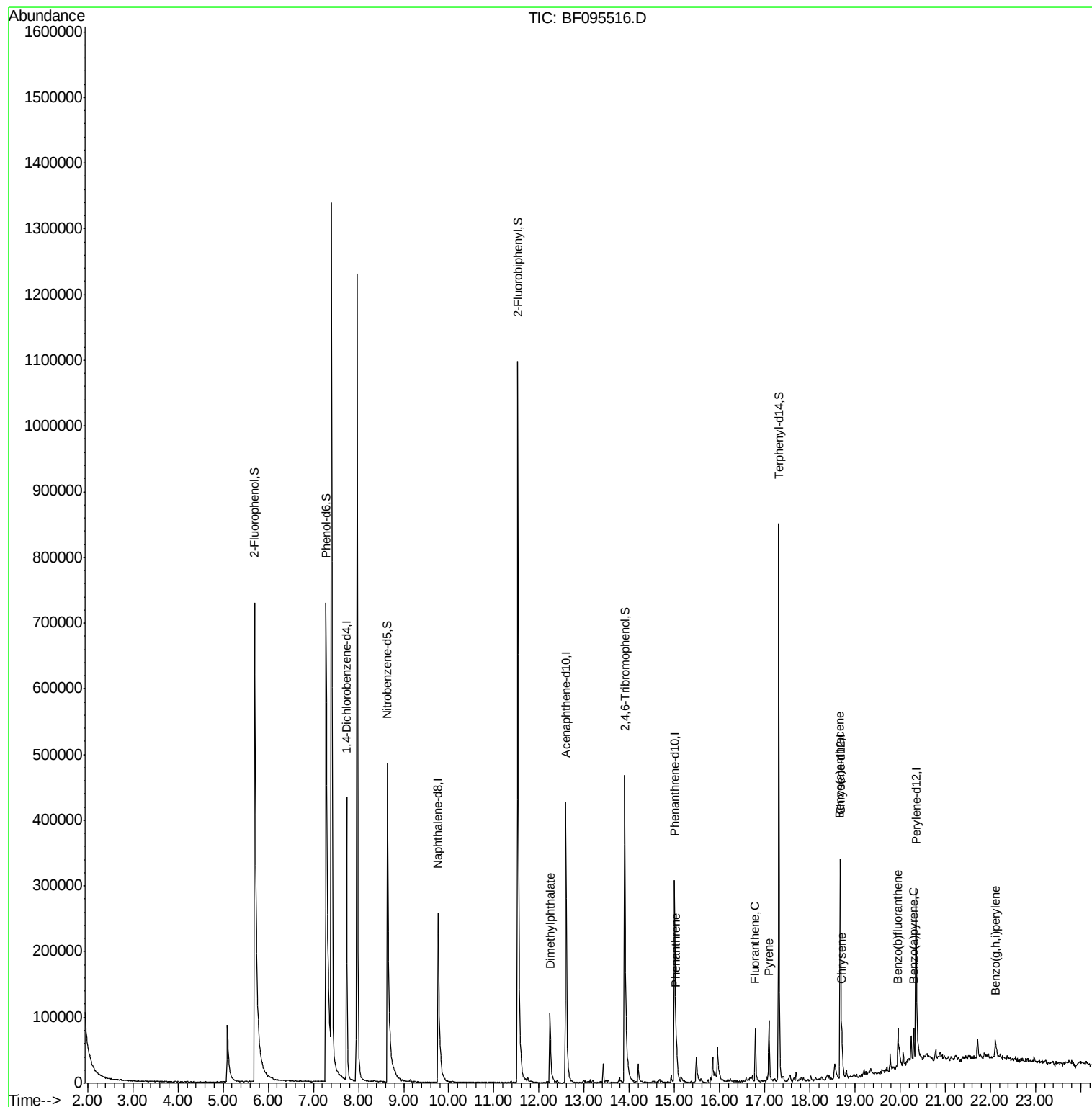
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
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Manual Integrations
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#1

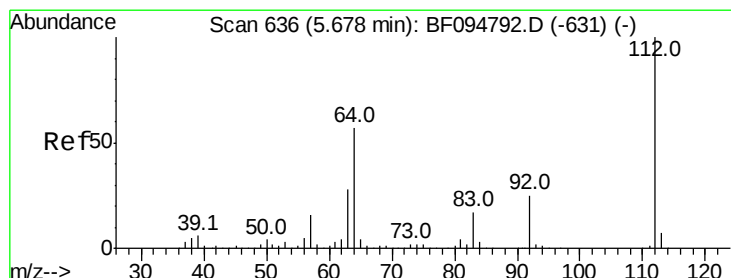
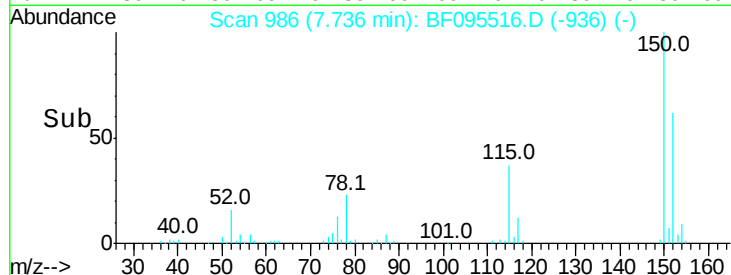
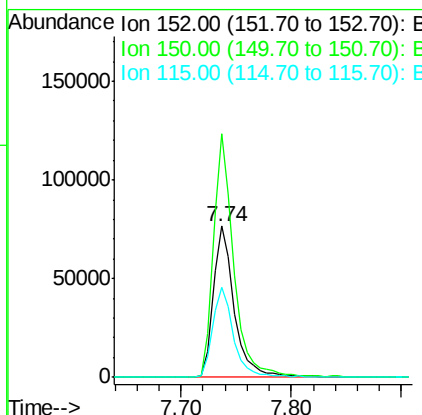
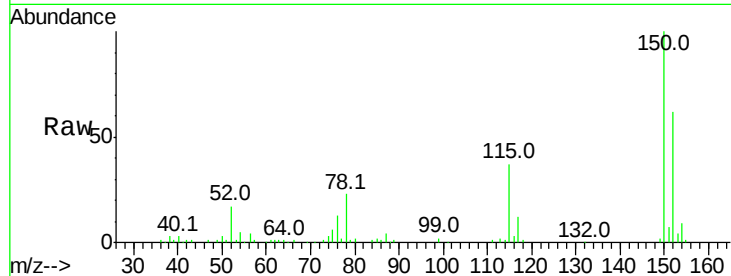
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.74 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: BF095516.D
 Acq: 28 May 2017 1:34

Instrument :
 BNA_F
 ClientSampleId :
 NM13-COMP-6-18

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	126.2	189.2
115	59.7	52.2	78.2

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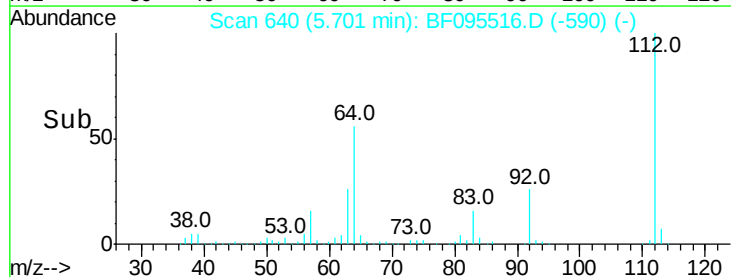
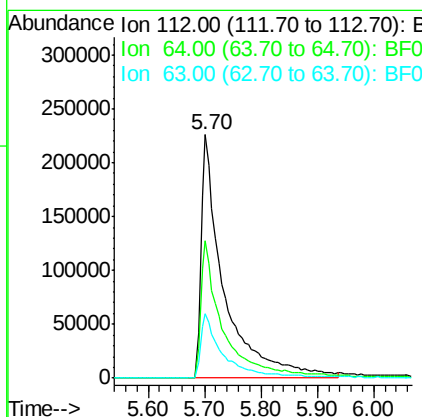
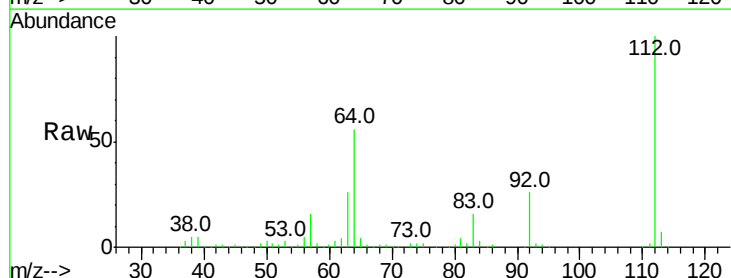
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#5

2-Fluorophenol
 Concen: 106.96 ng
 RT: 5.70 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: BF095516.D
 Acq: 28 May 2017 1:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.0	69.0
63	26.5	23.4	35.0





#7

Phenol-d6

Concen: 106.08 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095516.D

Acq: 28 May 2017 1:34

Instrument :

BNA_F

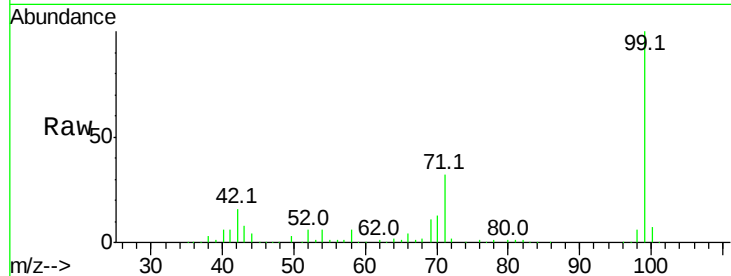
ClientSampleId :

NM13-COMP-6-18

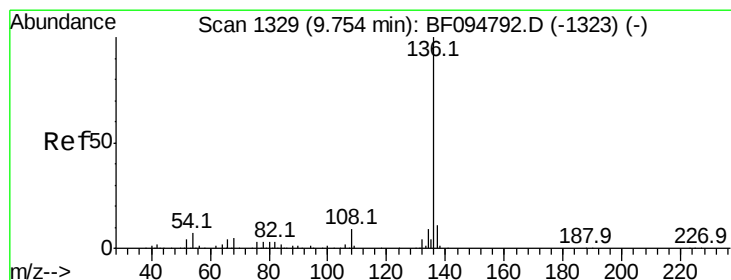
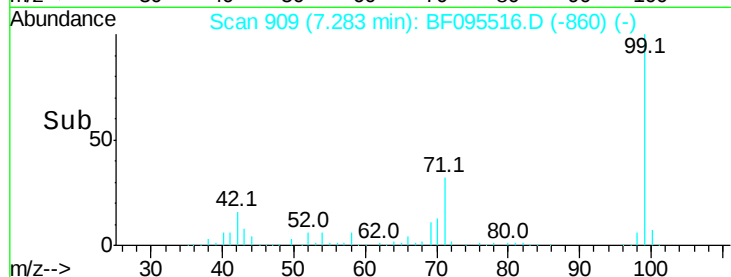
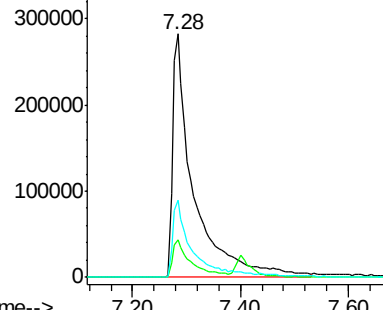
Tot Ion:	99	Resp:	762016
Ion Ratio	Lower	Upper	
99	100		
42	15.7	13.5	20.3
71	31.5	24.5	36.7

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.77 min Scan# 1331

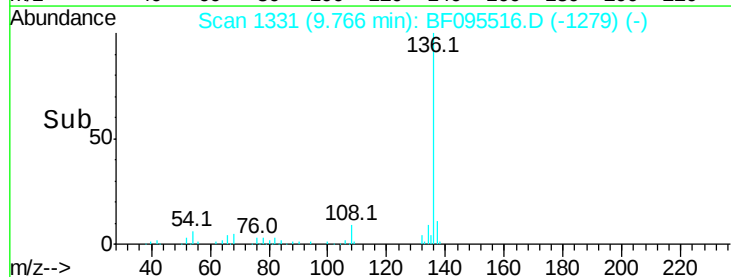
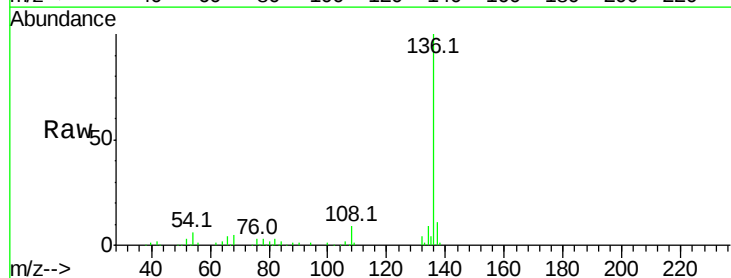
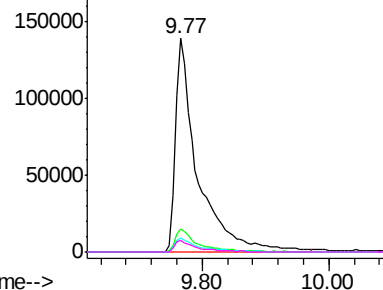
Delta R.T. 0.01 min

Lab File: BF095516.D

Acq: 28 May 2017 1:34

Tgt Ion:	136	Resp:	338405
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	6.4	4.9	7.3
68	5.3	4.1	6.1

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): BF0
Ion 68.00 (67.70 to 68.70): BF0





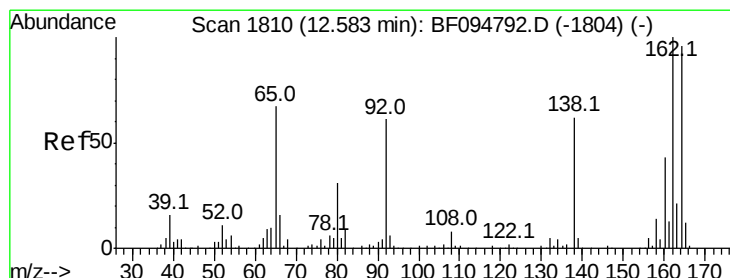
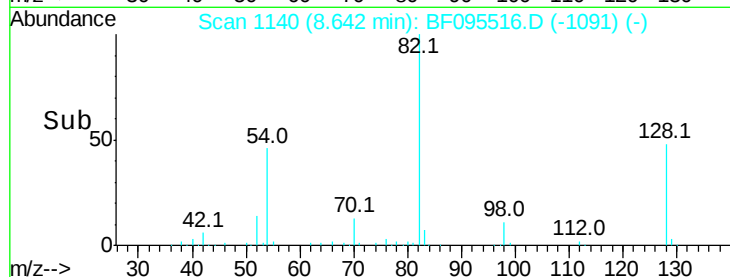
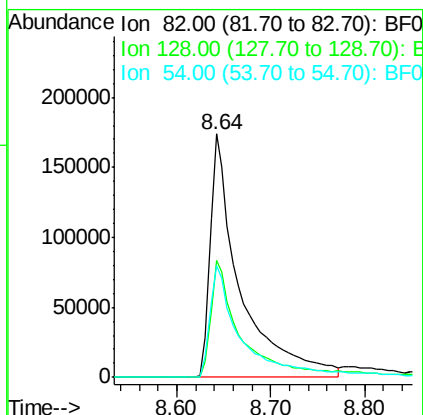
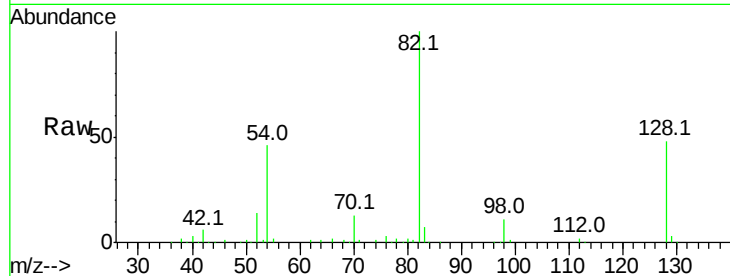
#23
Nitrobenzene-d5
Concen: 72.28 ng
RT: 8.64 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-6-18

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.2	34.0	51.0	
54	45.7	42.2	63.2	

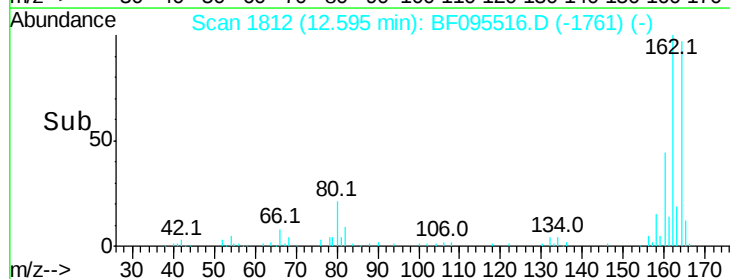
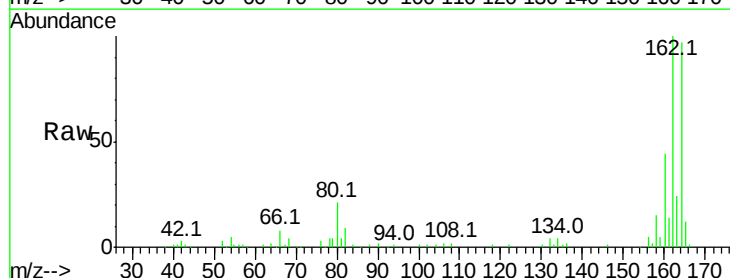
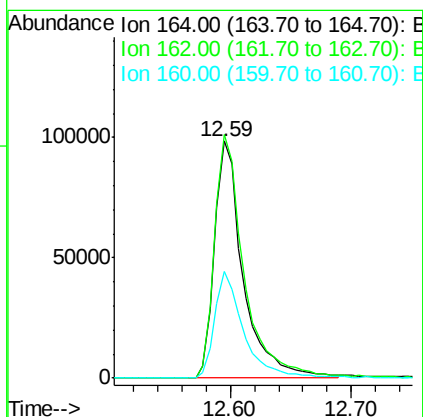
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.8	82.6	123.8	
160	44.9	36.2	54.2	





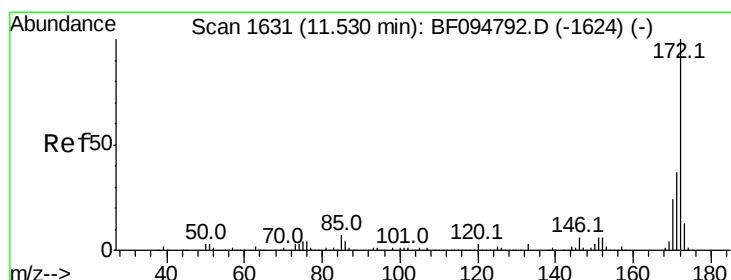
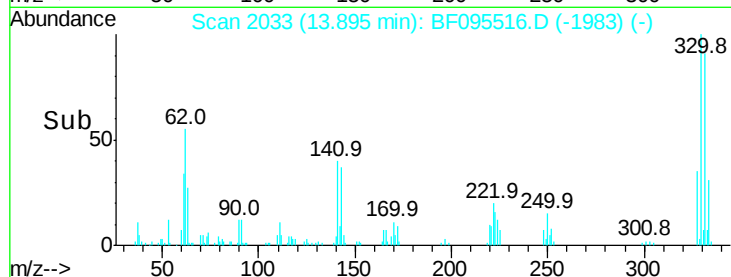
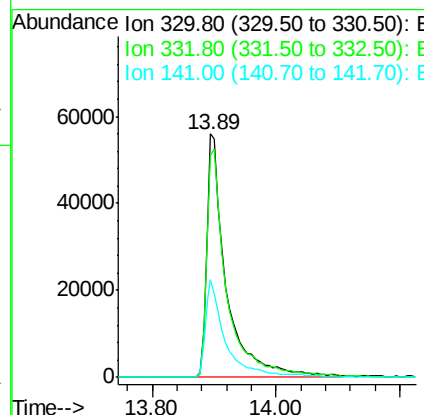
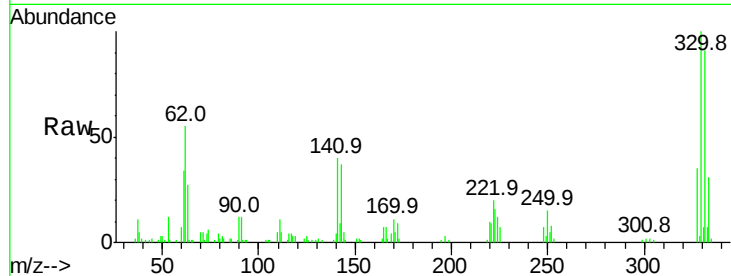
#41
 2,4,6-Tribromophenol
 Concen: 93.72 ng
 RT: 13.89 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF095516.D
 Acq: 28 May 2017 1:34

Instrument :
 BNA_F
 ClientSampleId :
 NM13-COMP-6-18

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	76.6	115.0	
141	40.9	31.4	47.2	

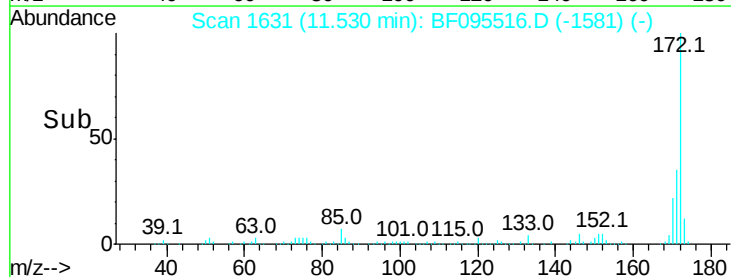
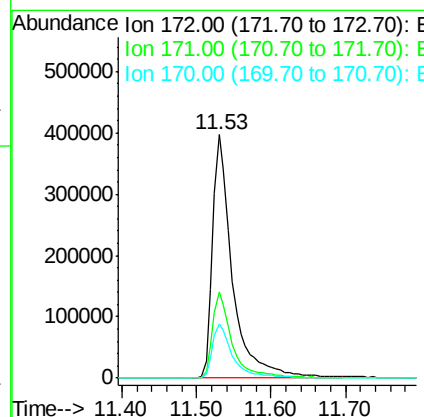
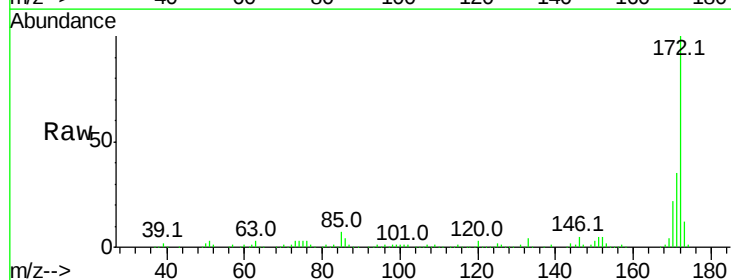
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#44
 2-Fluorobiphenyl
 Concen: 65.81 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095516.D
 Acq: 28 May 2017 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2	29.6	44.4	
170	22.4	19.8	29.8	





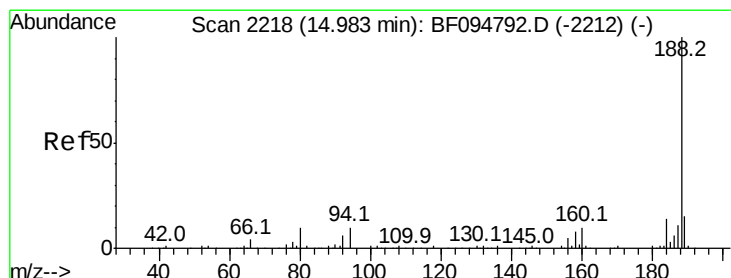
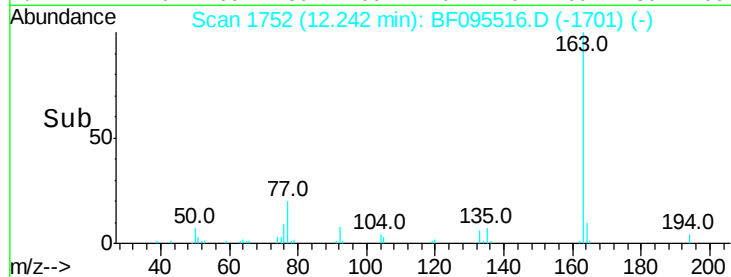
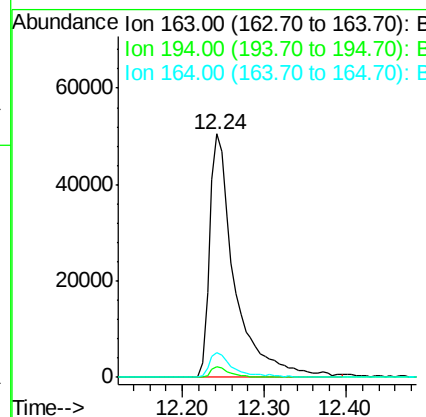
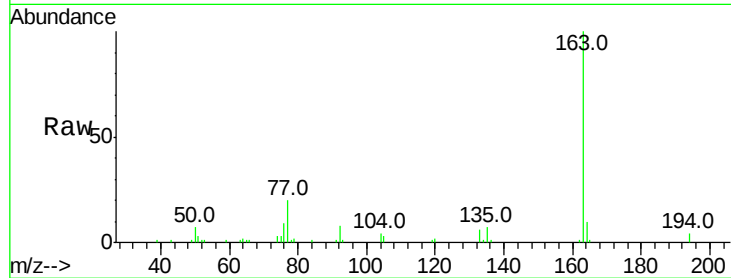
#49
Dimethylphthalate
Concen: 8.09 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-6-18

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	2.6	4.0#	
164	9.9	8.4	12.6	

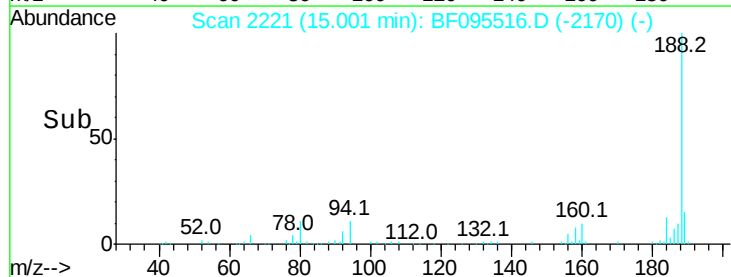
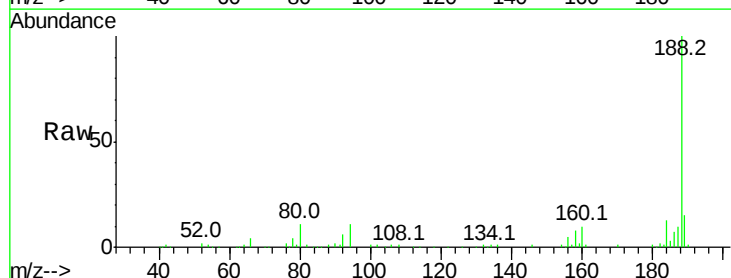
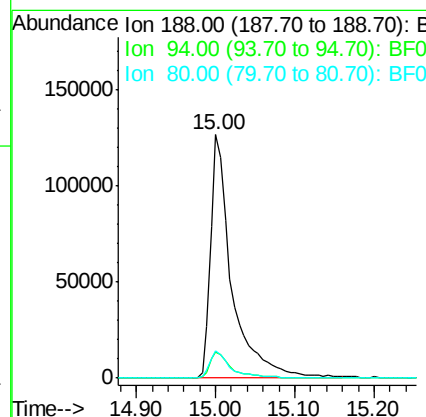
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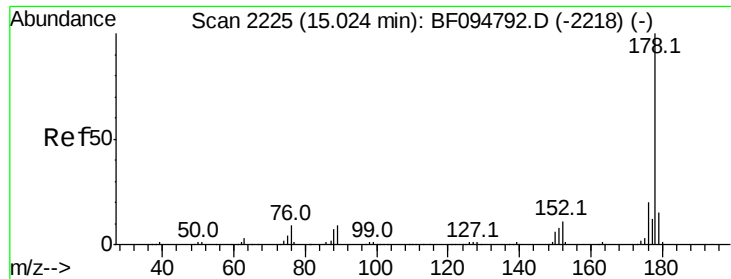
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.9	9.4	14.2	
80	11.2	10.2	15.2	





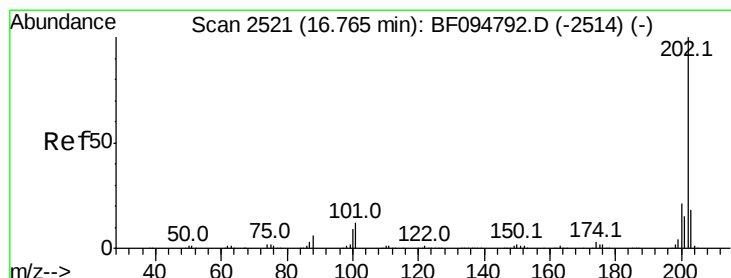
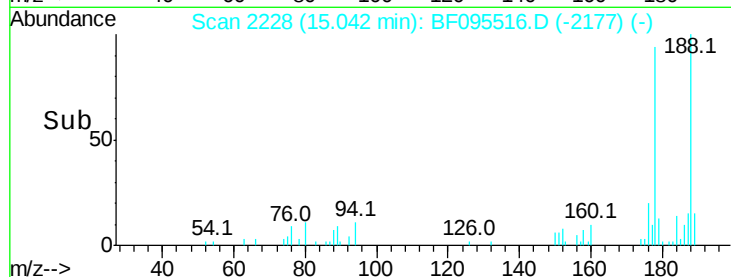
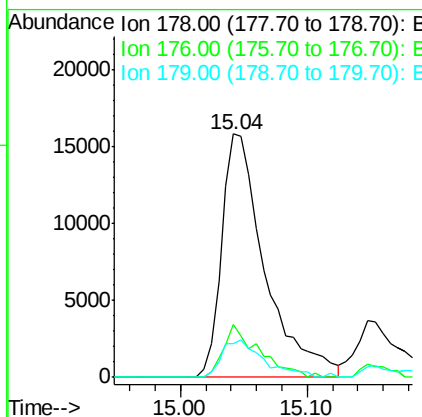
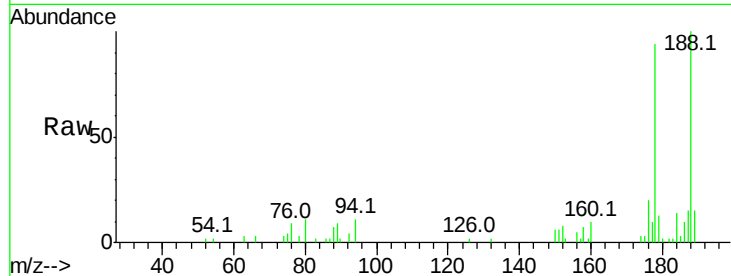
#70
Phenanthrene
Concen: 2.75 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.00 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-6-18

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.6	16.2	24.4
179	13.8	12.6	19.0

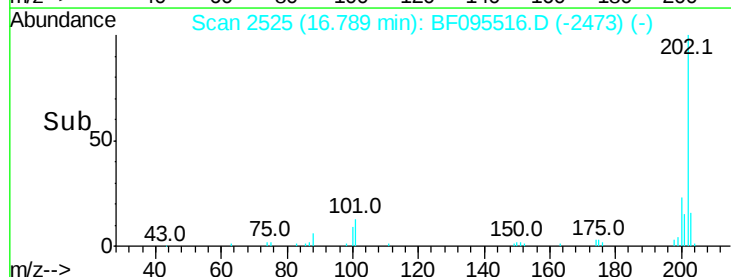
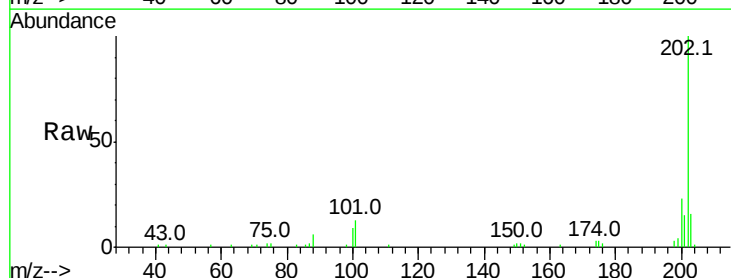
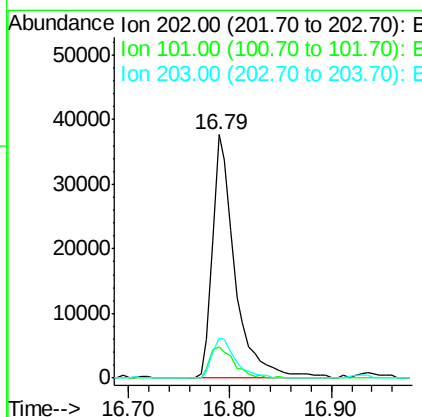
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#74
Fluoranthene
Concen: 4.16 ng
RT: 16.79 min Scan# 2525
Delta R.T. 0.01 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	16.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.68 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BF095516.D

Acq: 28 May 2017 1:34

Instrument :

BNA_F

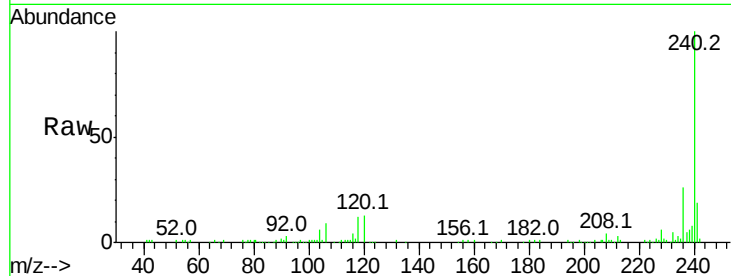
ClientSampleId :

NM13-COMP-6-18

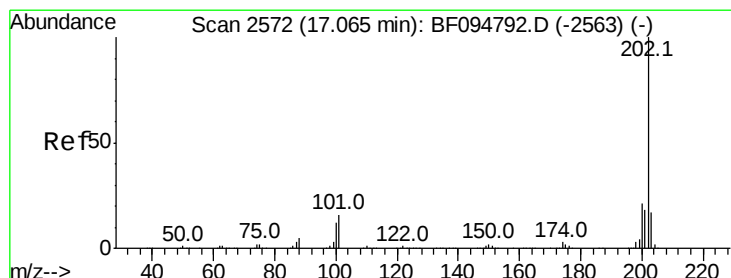
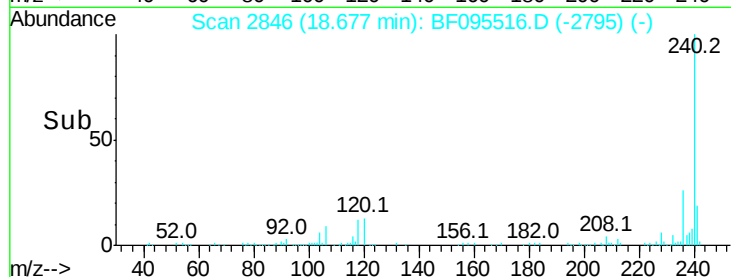
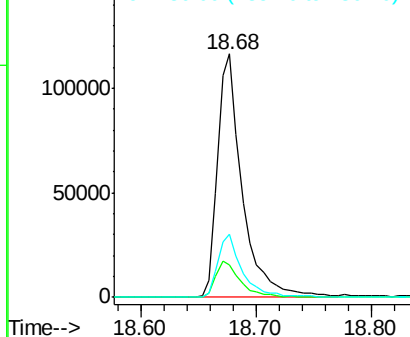
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	5.8	8.8#
236	25.7	20.5	30.7

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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: 4.25 ng

RT: 17.09 min Scan# 2577

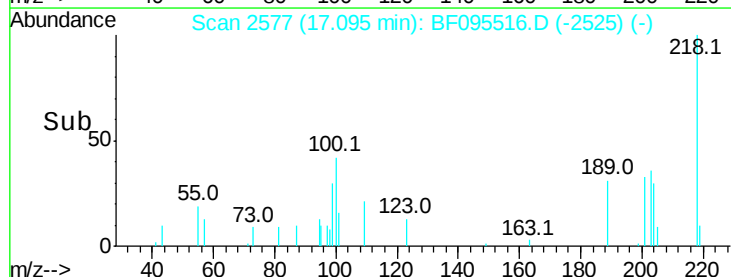
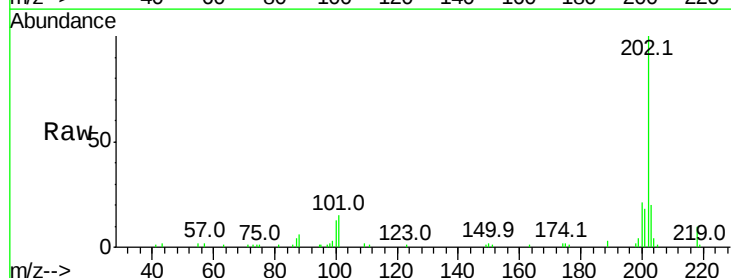
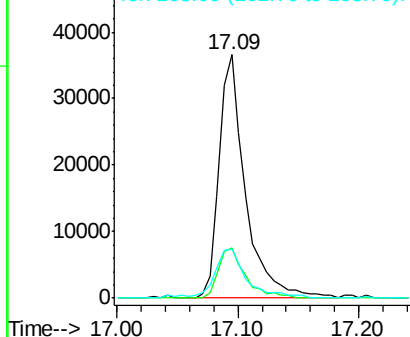
Delta R.T. 0.01 min

Lab File: BF095516.D

Acq: 28 May 2017 1:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.6	26.4
203	20.4	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: 44.51 ng

RT: 17.31 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF095516.D

Acq: 28 May 2017 1:34

Instrument :

BNA_F

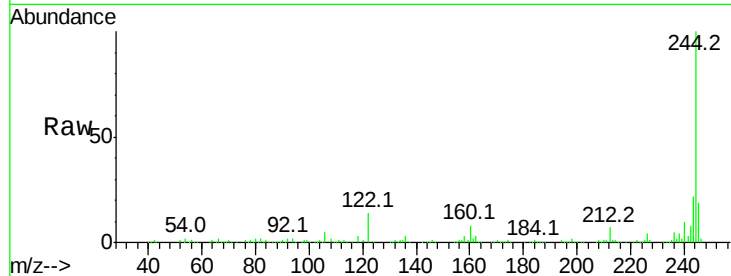
ClientSampleId :

NM13-COMP-6-18

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.8	10.3	15.5

Manual Integrations
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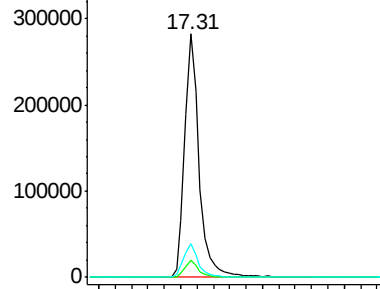
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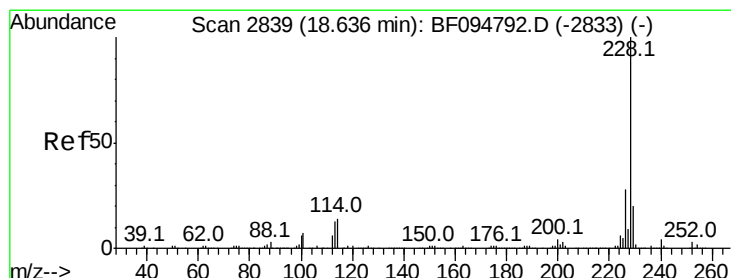
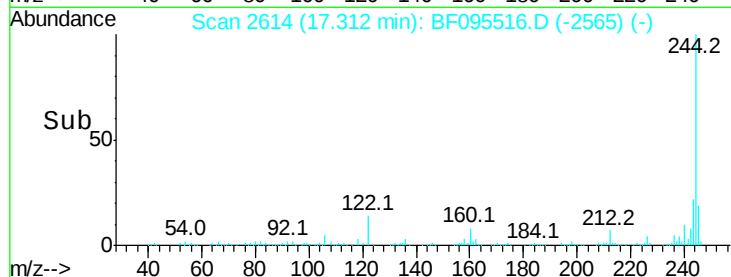
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 2.53 ng

RT: 18.67 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BF095516.D

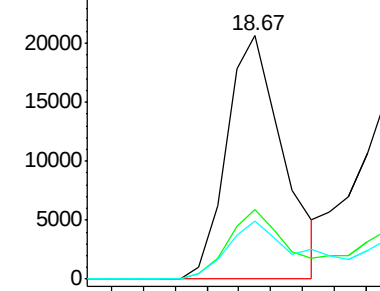
Acq: 28 May 2017 1:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	23.7	16.3	24.5

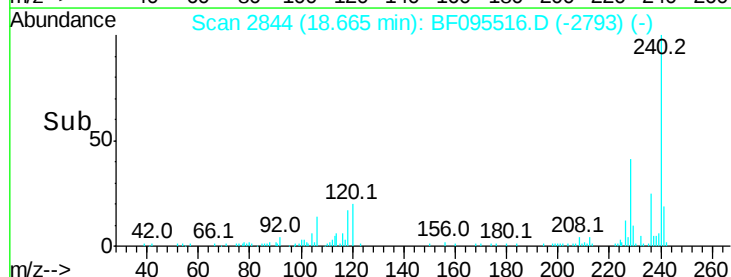
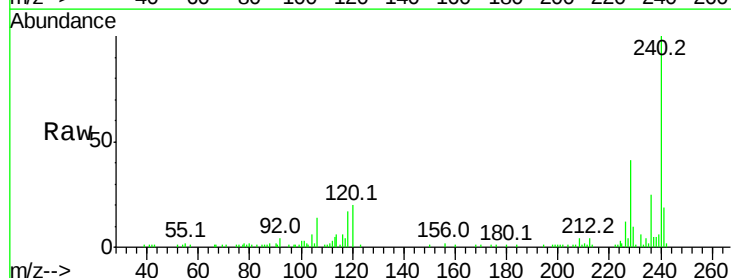
Abundance Ion 228.00 (227.70 to 228.70): E

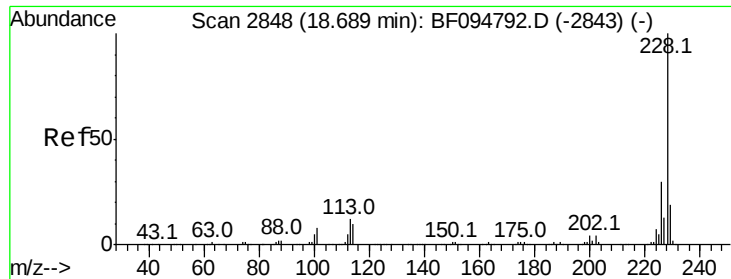
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





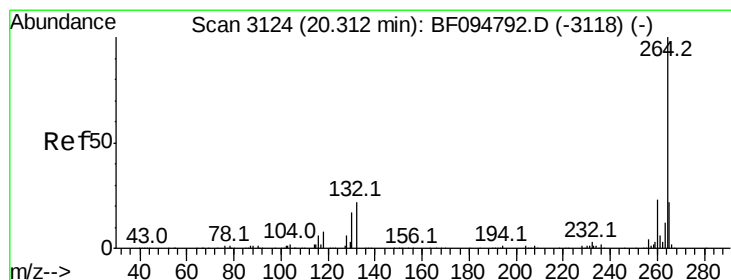
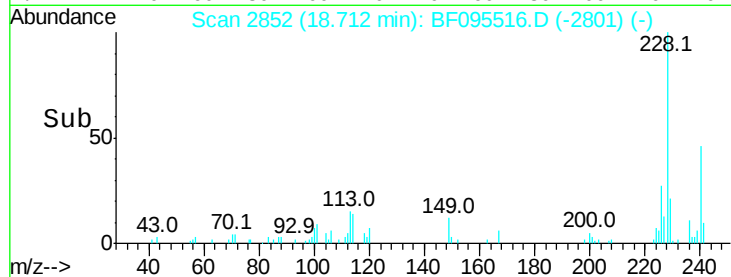
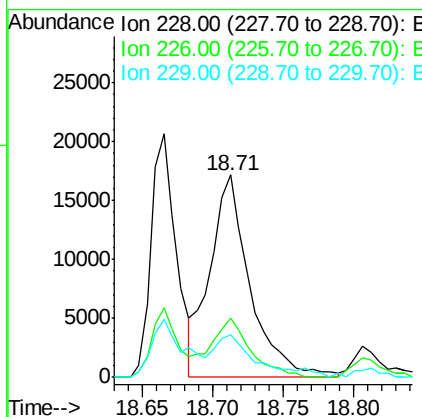
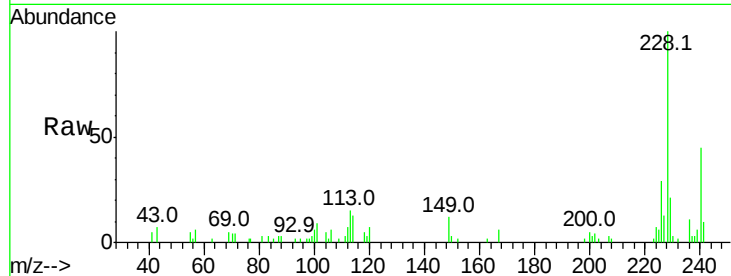
#82
Chrysene
Concen: 3.50 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.00 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-6-18

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.9	37.3
229	21.0	15.8	23.6

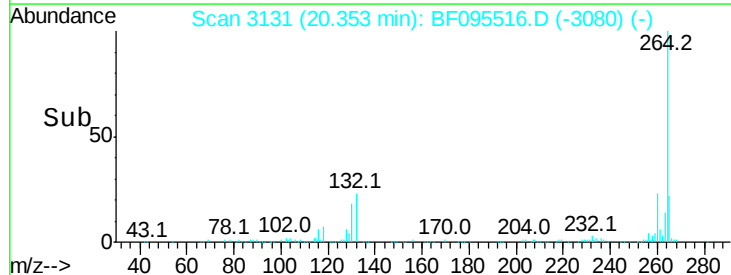
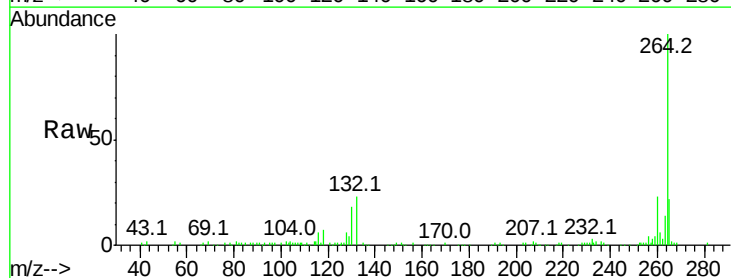
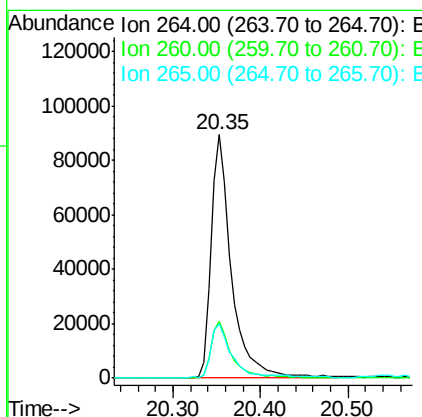
Manual Integrations
APPROVED

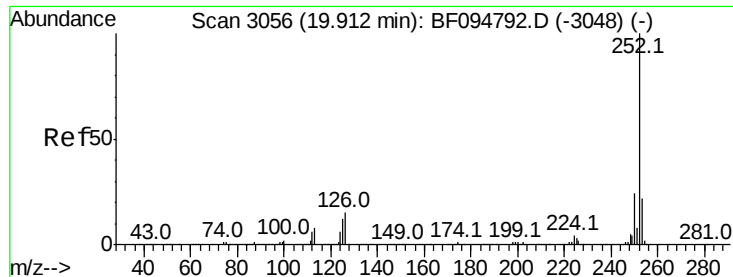
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	22.5	17.2	25.8





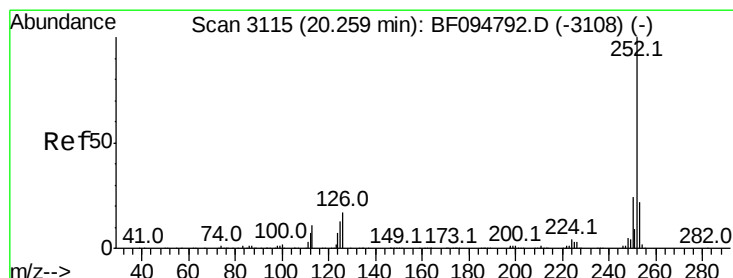
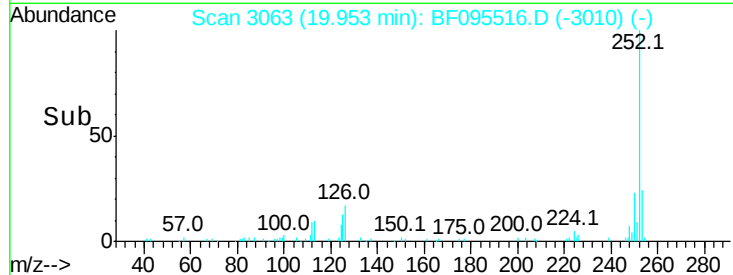
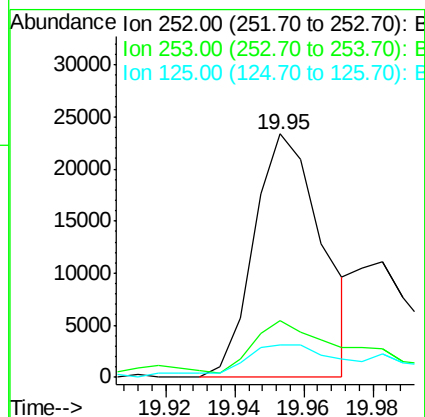
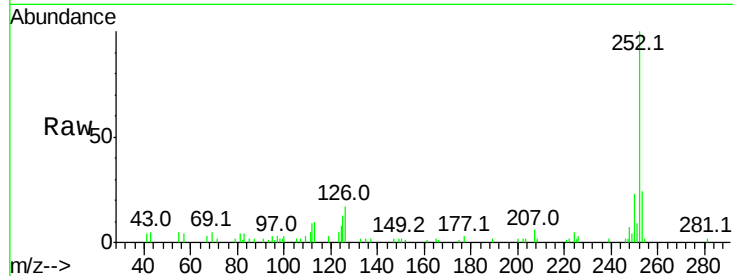
#87
Benzo(b)fluoranthene
Concen: 3.58 ng m
RT: 19.95 min Scan# 3063
Delta R.T. 0.01 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

Instrument :
BNA_F
ClientSampleId :
NM13-COMP-6-18

Tot Ion	Ratio	Resp	Lower	Upper
252	100	32103		
253	23.5		18.1	27.1
125	13.4		9.8	14.8

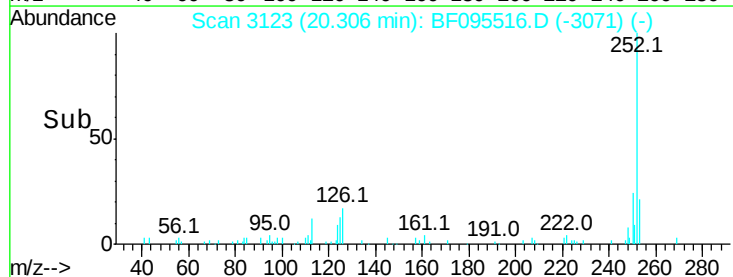
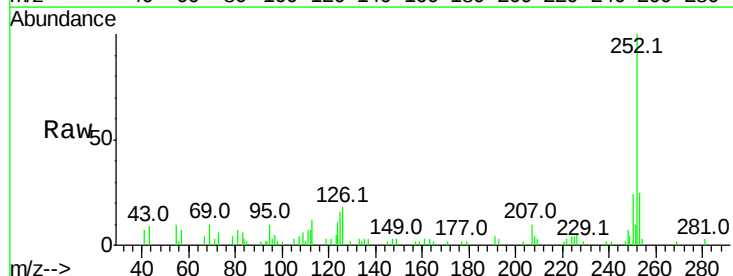
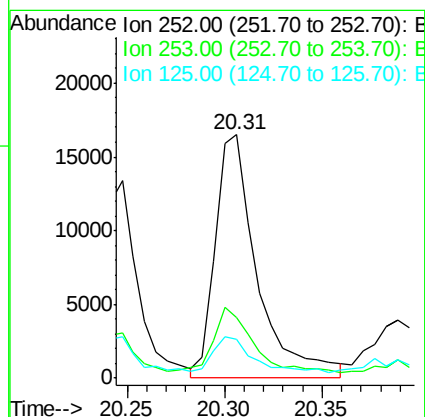
Manual Integrations
APPROVED

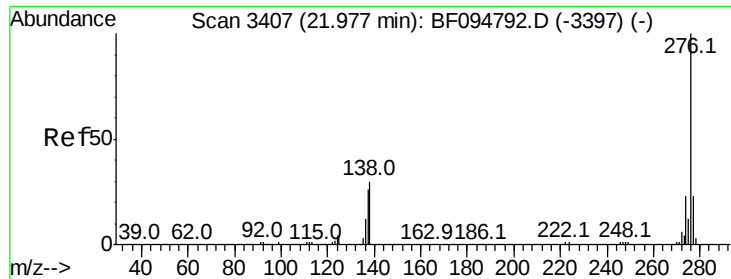
mohammad
5/31/2017 1:03:49 PM



#89
Benzo(a)pyrene
Concen: 2.99 ng
RT: 20.31 min Scan# 3123
Delta R.T. 0.01 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	24713		
253	24.9		17.5	26.3
125	15.8		11.0	16.4





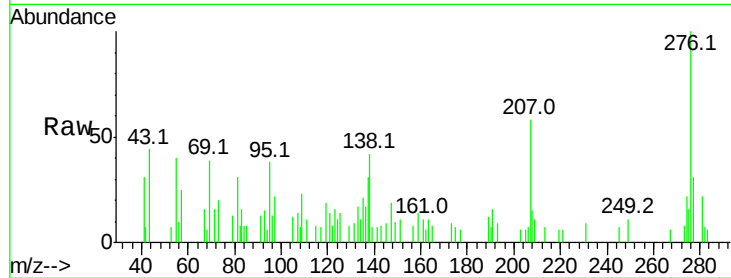
#91
 Benzo(a,h,i)perylene
 Concen: 2.26 ng
 RT: 22.11 min Scan# 3430
 Delta R.T. 0.04 min
 Lab File: BF095516.D
 Acq: 28 May 2017 1:34

Instrument :
 BNA_F
 ClientSampleId :
 NM13-COMP-6-18

Tot Ion	Ratio	Lower	Upper
276	100		
277	31.2	18.6	28.0#
138	41.7	25.4	38.0#

Manual Integrations
 APPROVED

mohammad
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

