

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
 Data File : BF085512.D
 Acq On : 18 Mar 2016 1:05
 Operator : UM/SJ
 Sample : H1774-08
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-32-COMP

Manual Integrations
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 3/18/2016 11:57:19 AM

Quant Time: Mar 18 03:41:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	141586	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	603226	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	250597	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	444063	20.00	ng	-0.05
75) Chrysene-d12	14.04	240	310264	20.00	ng	-0.05
86) Perylene-d12	15.48	264	289524	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1319631	160.21	ng	-0.02
7) Phenol-d6	6.52	99	1597561	149.52	ng	-0.03
23) Nitrobenzene-d5	7.44	82	902927	88.50	ng	-0.05
41) 2,4,6-Tribromophenol	10.71	330	393427	170.45	ng	-0.05
44) 2-Fluorobiphenyl	9.24	172	1475518	102.15	ng	-0.05
78) Terphenyl-d14	12.98	244	1062285	77.45	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.64	163	311221	17.02	ng	98
70) Phenanthrene	11.42	178	138180	5.97	ng	97
74) Fluoranthene	12.61	202	289017	13.29	ng	98
77) Pyrene	12.84	202	252315	10.84	ng	98
80) Benzo(a)anthracene	14.03	228	107233	6.03	ng	98
82) Chrysene	14.06	228	121957	7.62	ng	98
85) Indeno(1,2,3-cd)pyrene	16.88	276	70867	4.67	ng	93
87) Benzo(b)fluoranthene	15.05	252	171583m	9.07	ng	
88) Benzo(k)fluoranthene	15.08	252	35623m	2.41	ng	
89) Benzo(a)pyrene	15.41	252	99464	6.09	ng	# 95
91) Benzo(g,h,i)perylene	17.31	276	66262	4.07	ng	99

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

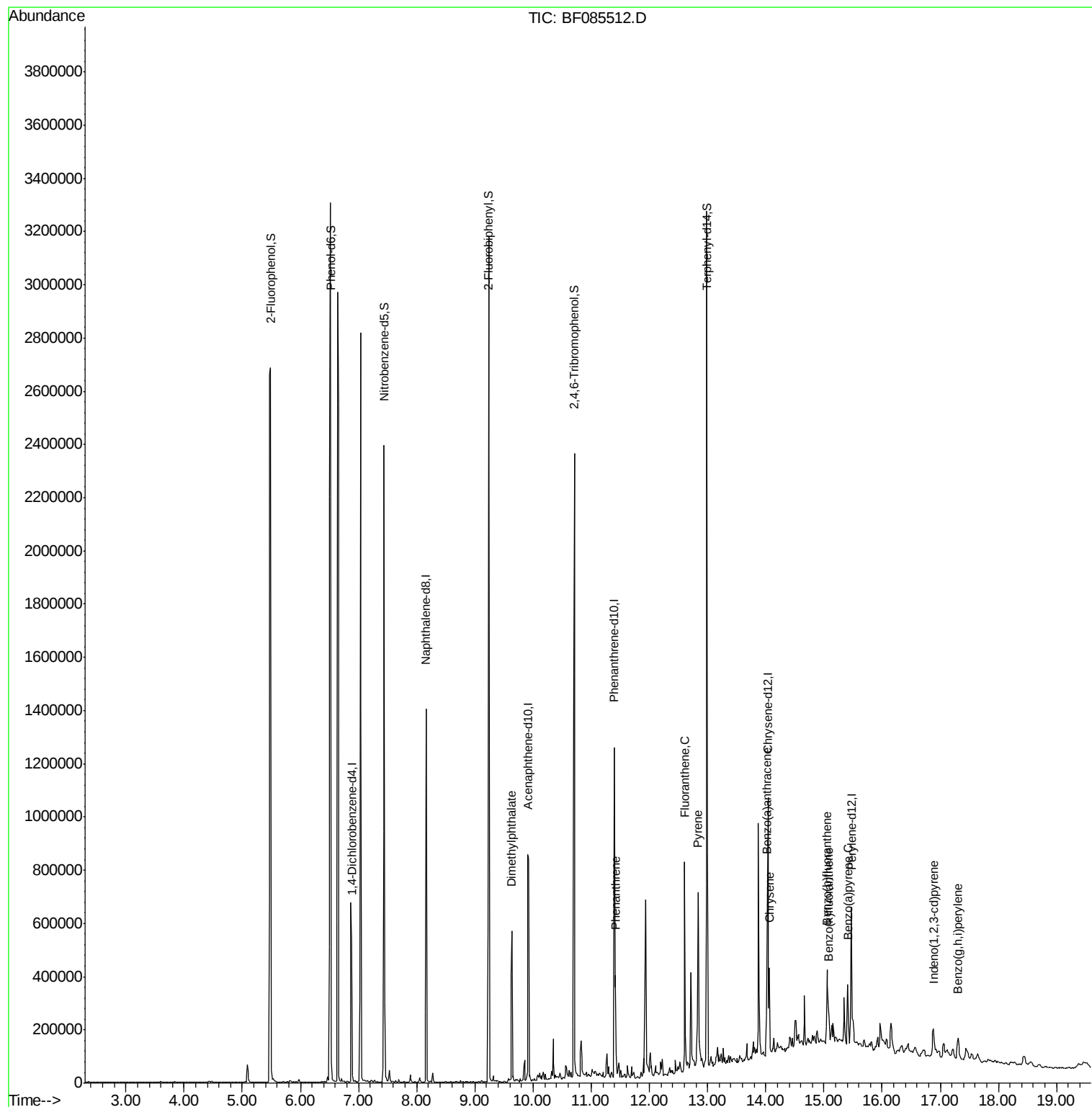
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
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ALS Vial : 34 Sample Multiplier: 1

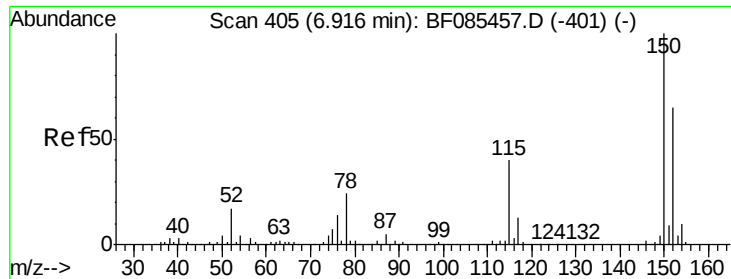
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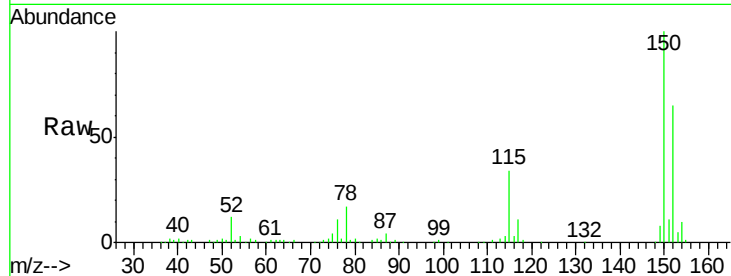




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 402
Delta R.T. -0.03 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

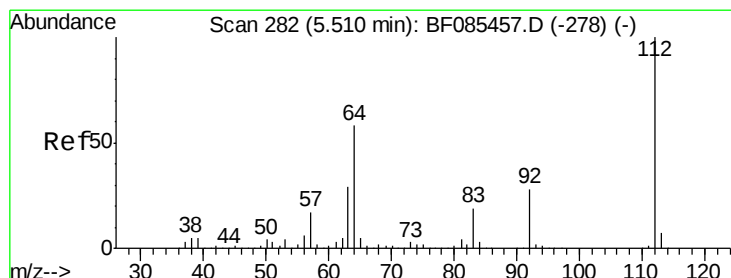
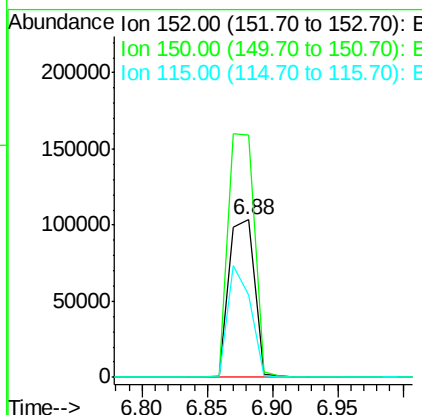
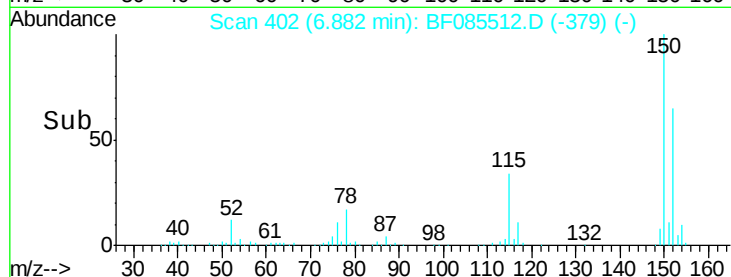
Instrument :
BNA_F
ClientSampleId :
SB-32-COMP



Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	52.0	46.6	70.0

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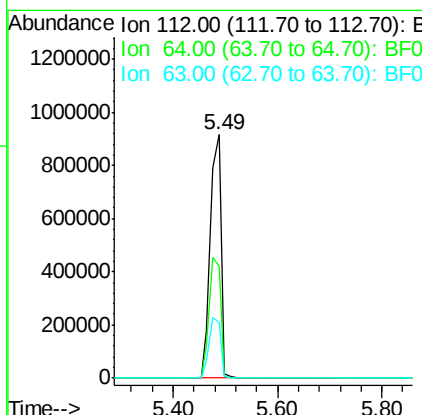
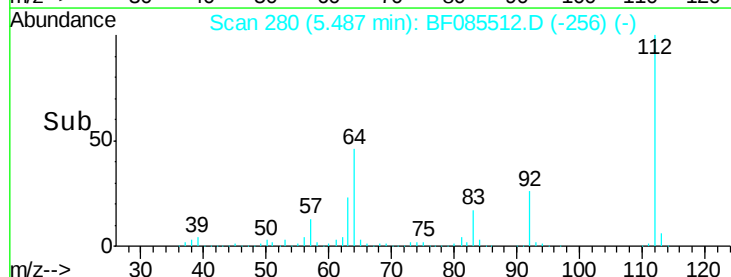
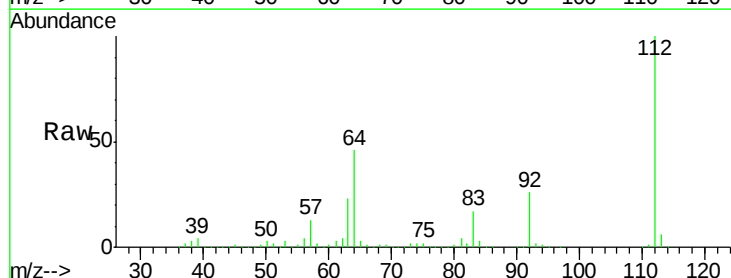
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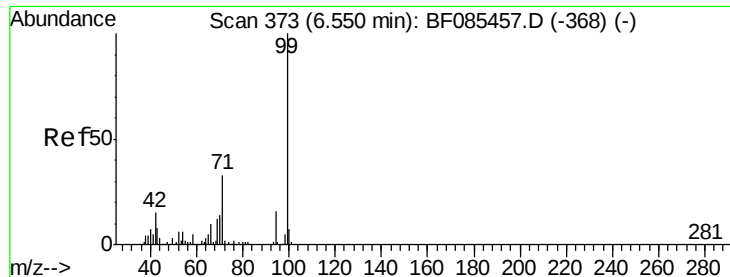


#5

2-Fluorophenol
Concen: 160.21 ng
RT: 5.49 min Scan# 280
Delta R.T. -0.02 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.7	49.0	73.4#
63	22.9	24.8	37.2#





#7

Phenol-d6

Concen: 149.52 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-32-COMP

Tgt Ion: 99 Resp: 1597561

Ion Ratio Lower Upper

99 100

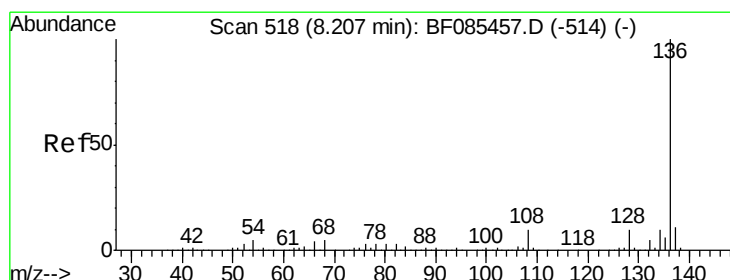
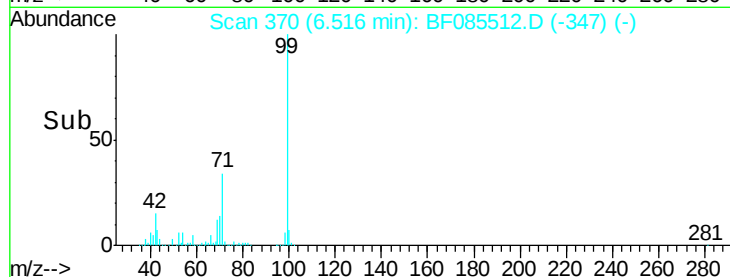
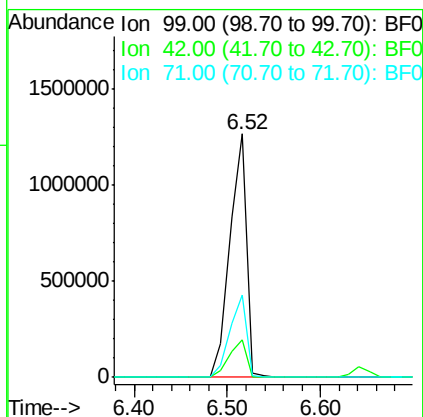
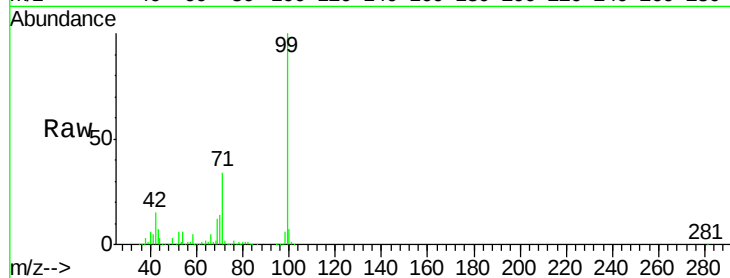
42 15.2 13.6 20.4

71 33.9 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 514

Delta R.T. -0.05 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

Tgt Ion: 136 Resp: 603226

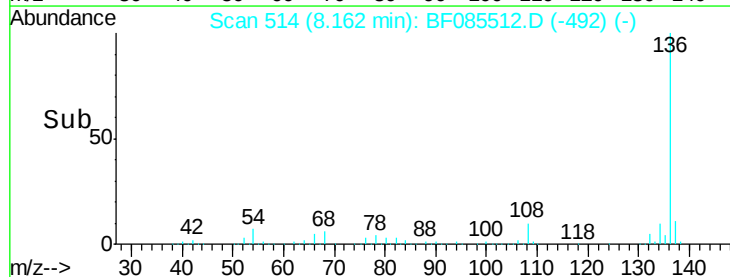
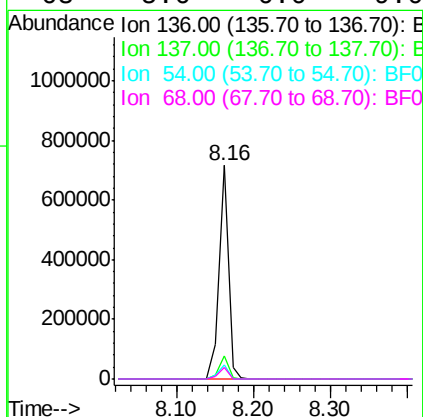
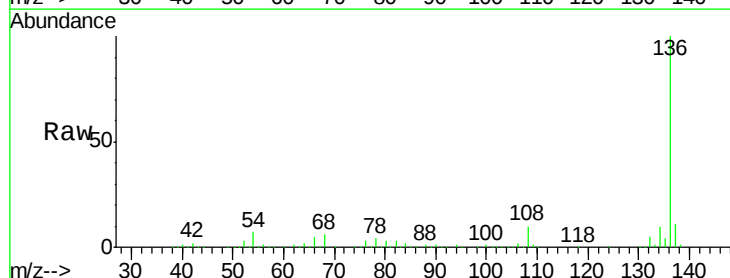
Ion Ratio Lower Upper

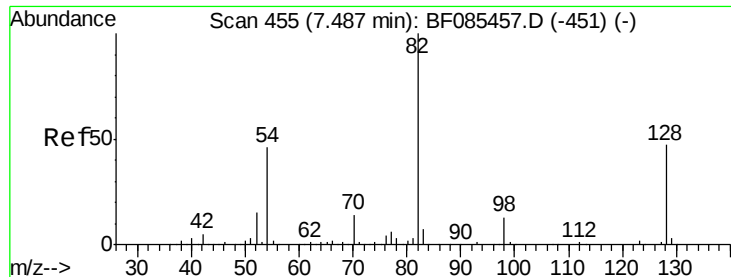
136 100

137 10.8 9.3 13.9

54 6.5 7.4 11.2#

68 5.6 6.0 9.0#





#23

Nitrobenzene-d5

Concen: 88.50 ng

RT: 7.44 min Scan# 451

Delta R.T. -0.05 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

Instrument :

BNA_F

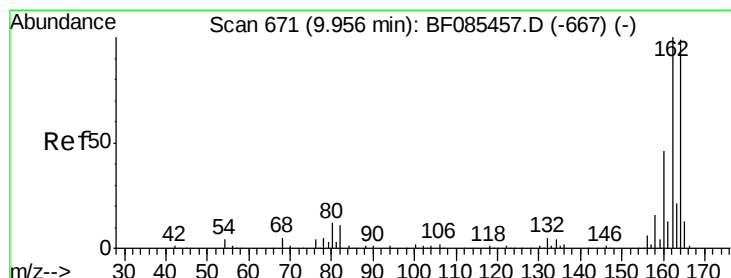
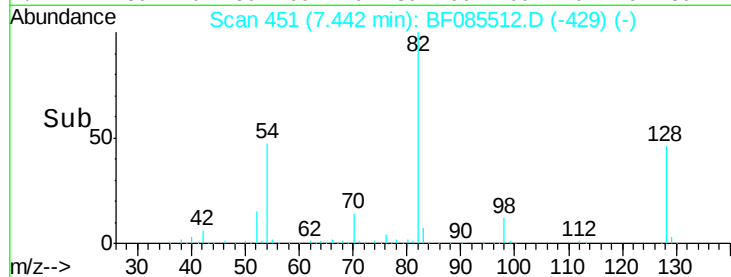
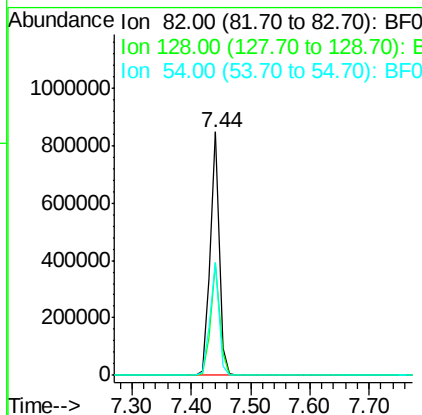
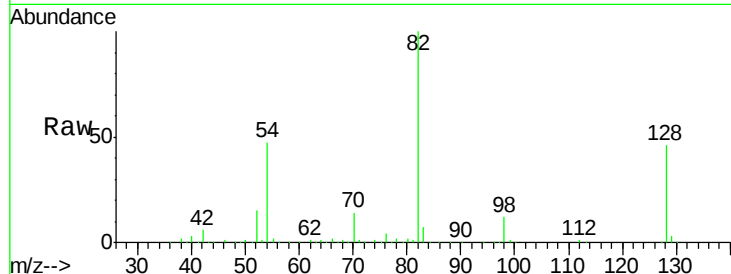
ClientSampleId :

SB-32-COMP

Tgt Ion:	82	Resp:	902927
Ion Ratio	Lower	Upper	
82	100		
128	45.9	34.5	51.7
54	46.6	39.3	58.9

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#38

Acenaphthene-d10

Concen: 20.00 ng

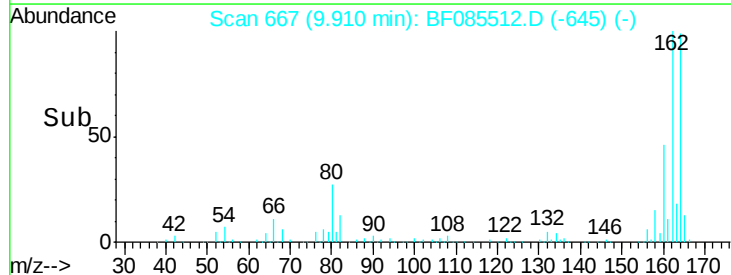
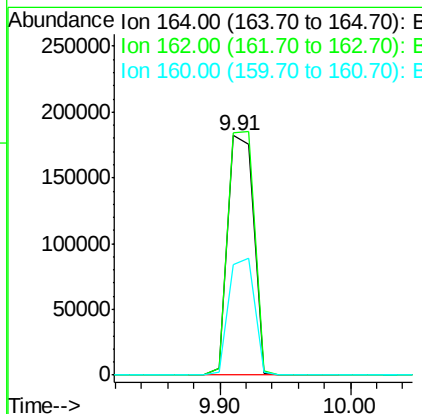
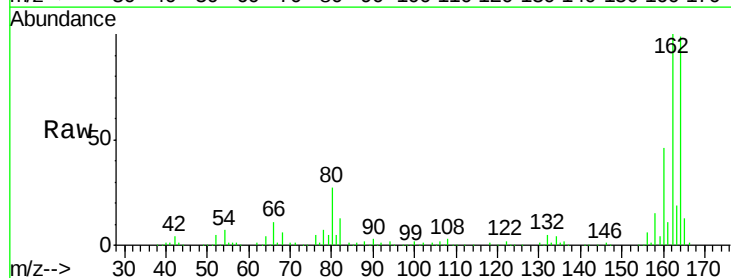
RT: 9.91 min Scan# 667

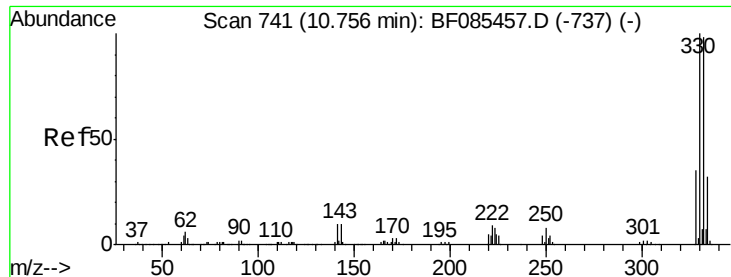
Delta R.T. -0.05 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

Tgt Ion:	164	Resp:	250597
Ion Ratio	Lower	Upper	
164	100		
162	101.3	83.3	124.9
160	46.3	37.9	56.9





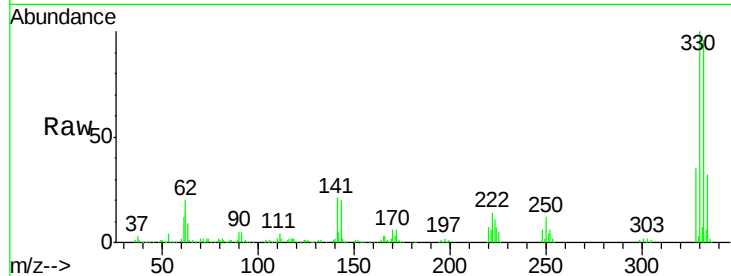
#41
 2,4,6-Tribromophenol
 Concen: 170.45 ng
 RT: 10.71 min Scan# 737
 Delta R.T. -0.05 min
 Lab File: BF085512.D
 Acq: 18 Mar 2016 1:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-32-COMP

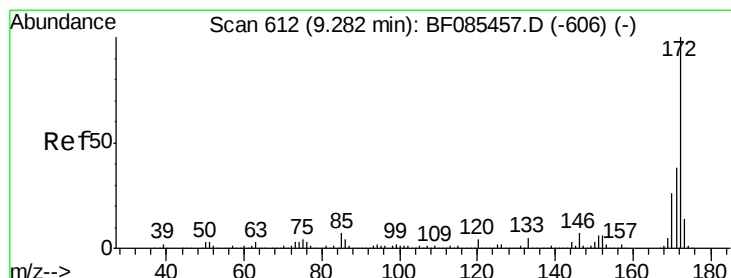
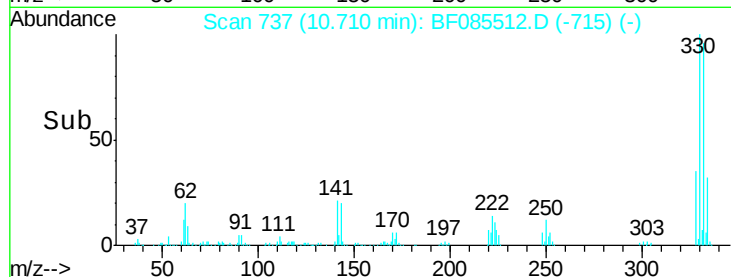
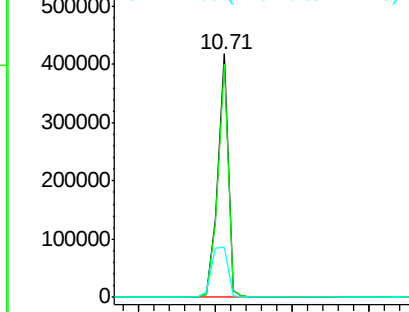
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	393427		
332	95.7	77.1	115.7	
141	32.5	35.0	52.6#	

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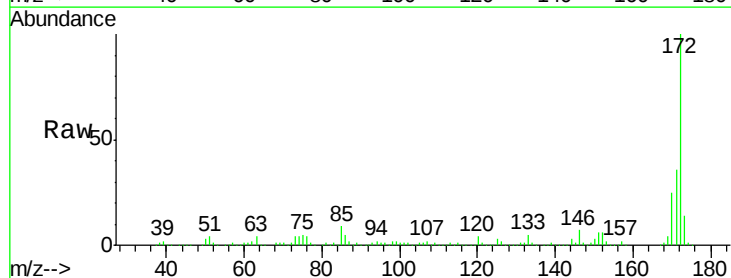


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

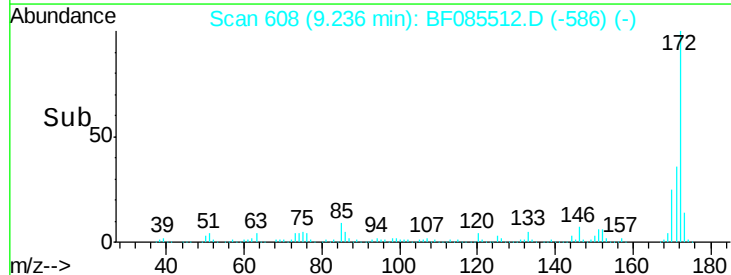
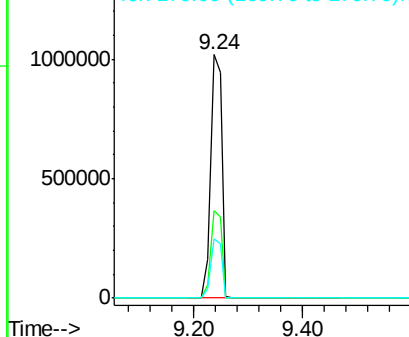


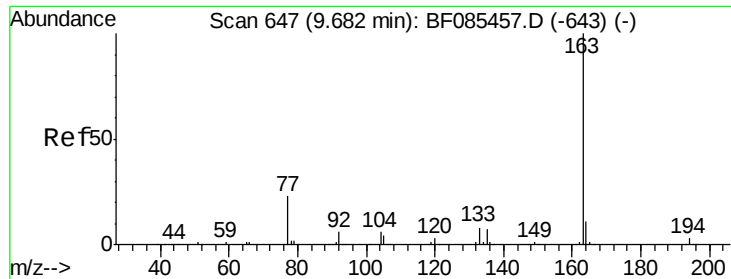
#44
 2-Fluorobiphenyl
 Concen: 102.15 ng
 RT: 9.24 min Scan# 608
 Delta R.T. -0.05 min
 Lab File: BF085512.D
 Acq: 18 Mar 2016 1:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1475518		
171	36.1	29.3	43.9	
170	24.6	20.0	30.0	



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





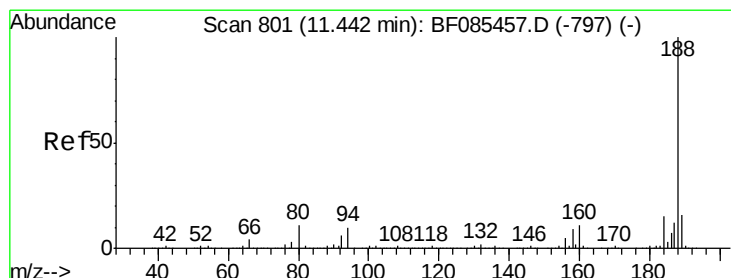
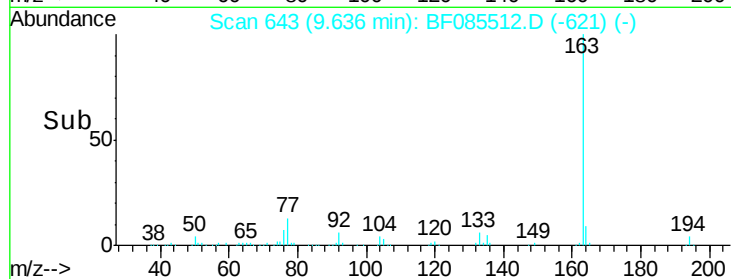
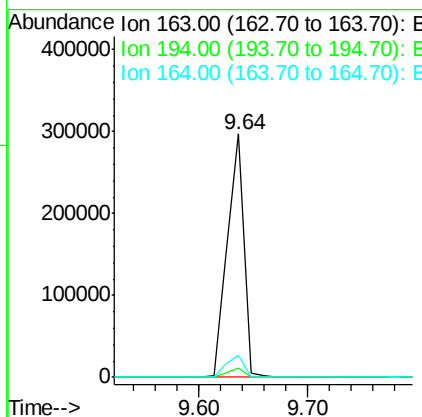
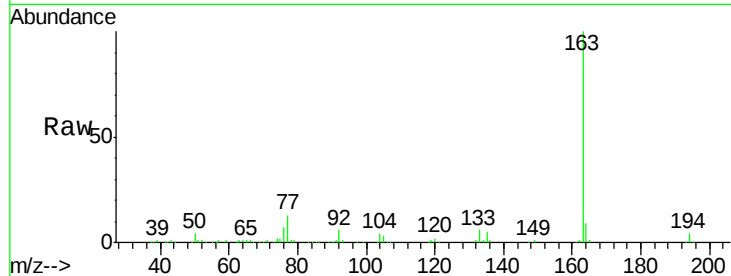
#49
Dimethylphthalate
Concen: 17.02 ng
RT: 9.64 min Scan# 643
Delta R.T. -0.05 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Instrument :
BNA_F
ClientSampleId :
SB-32-COMP

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.9	3.1	4.7
164	9.3	8.2	12.4

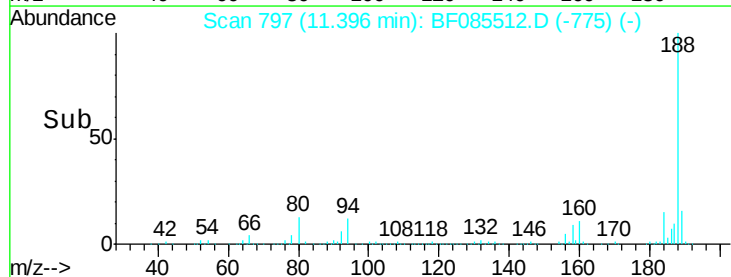
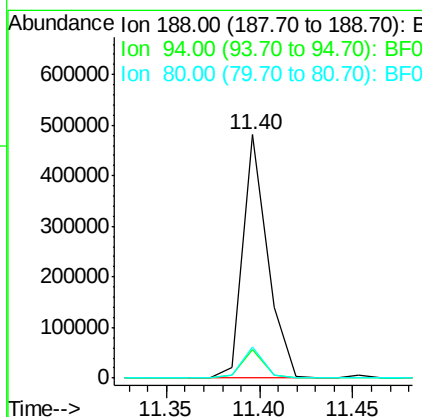
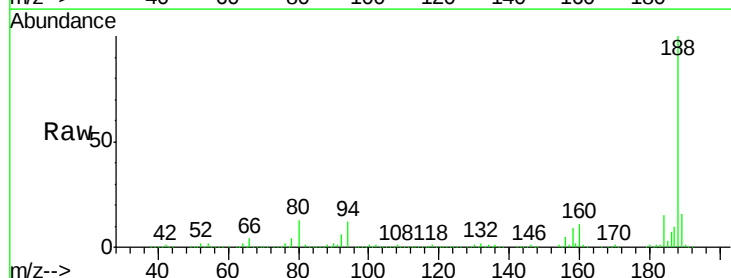
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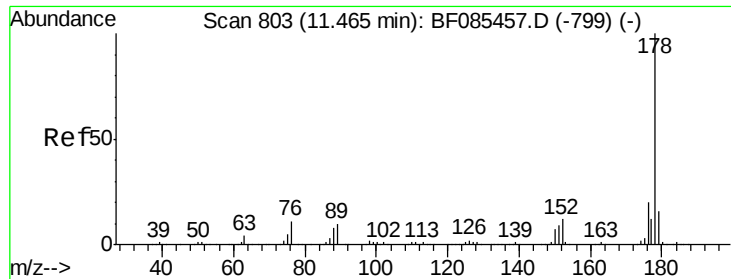
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.05 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.0	7.0	10.6#
80	12.7	7.4	11.0#





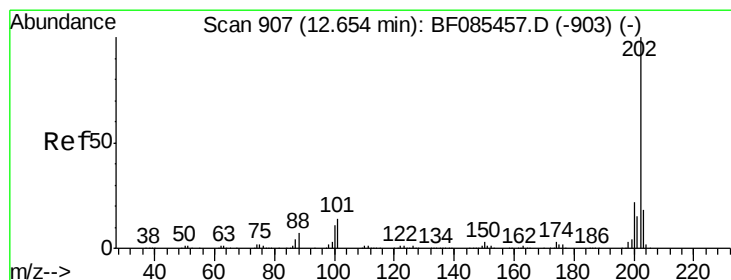
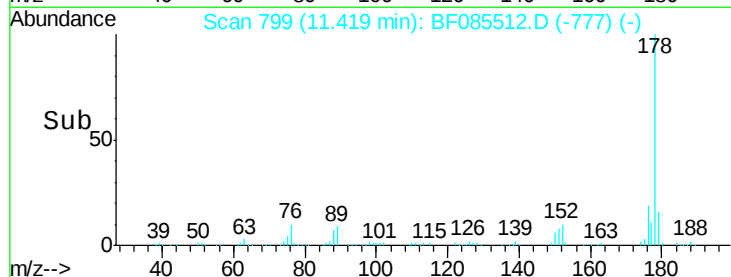
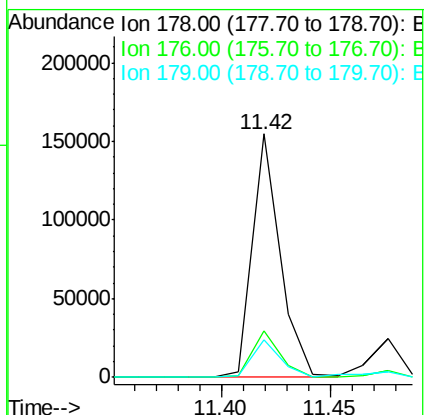
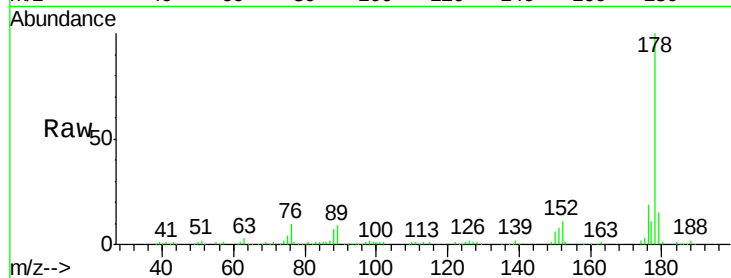
#70
Phenanthrene
Concen: 5.97 ng
RT: 11.42 min Scan# 799
Delta R.T. -0.05 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Instrument :
BNA_F
ClientSampleId :
SB-32-COMP

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.8	25.2
179	15.5	13.1	19.7

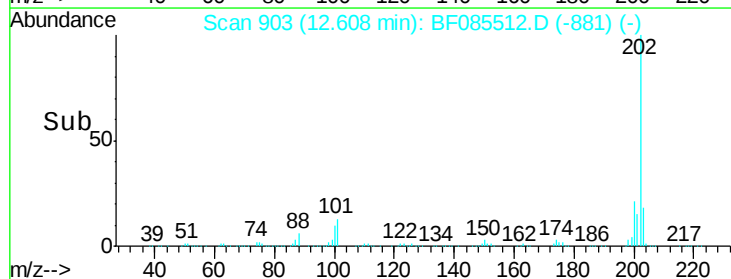
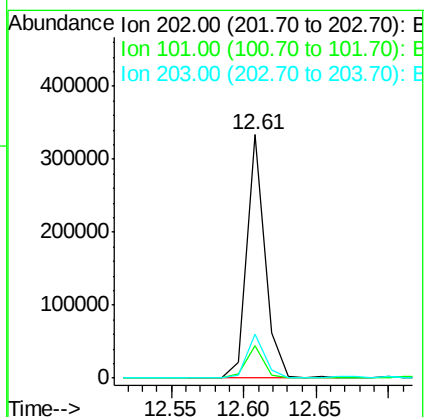
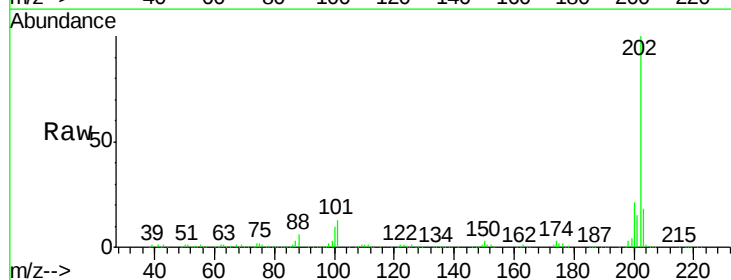
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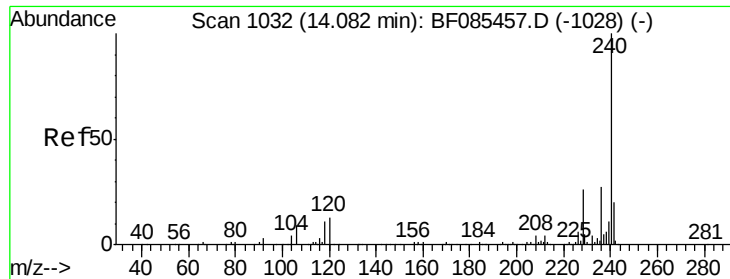
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#74
Fluoranthene
Concen: 13.29 ng
RT: 12.61 min Scan# 903
Delta R.T. -0.05 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	31.8
203	18.0	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1028

Delta R.T. -0.05 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

Instrument :

BNA_F

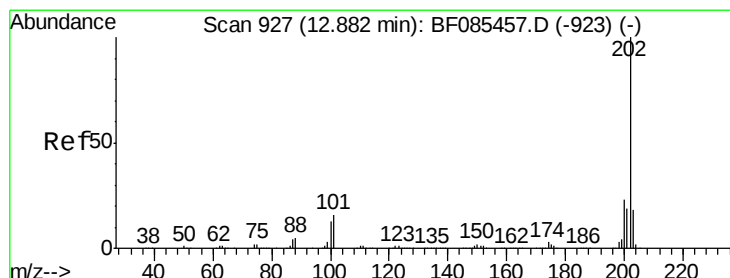
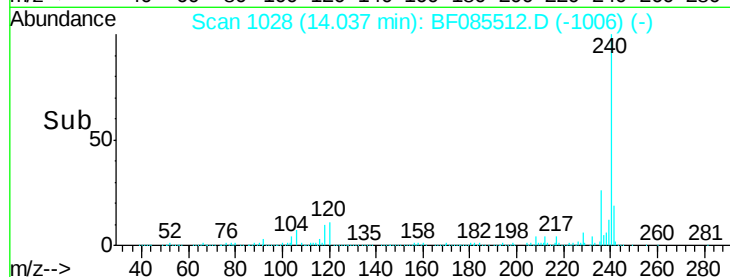
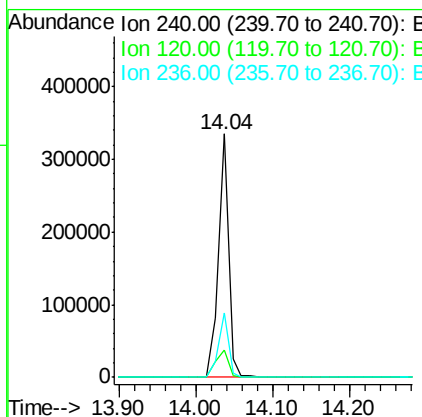
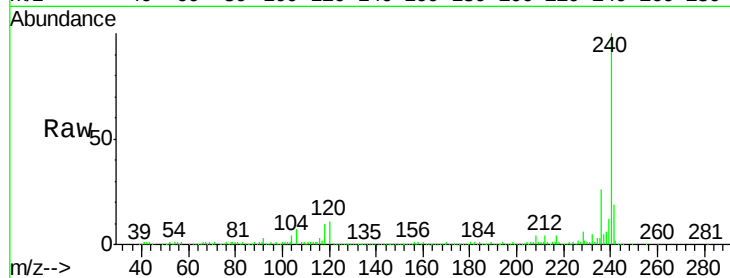
ClientSampleId :

SB-32-COMP

Tgt Ion:240 Resp: 310264
 Ion Ratio Lower Upper
 240 100
 120 11.0 5.3 7.9#
 236 26.3 20.7 31.1

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#77

Pyrene

Concen: 10.84 ng

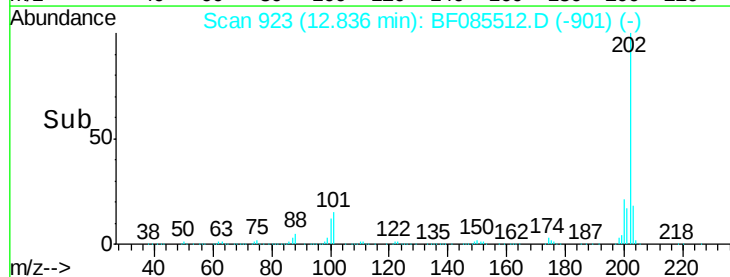
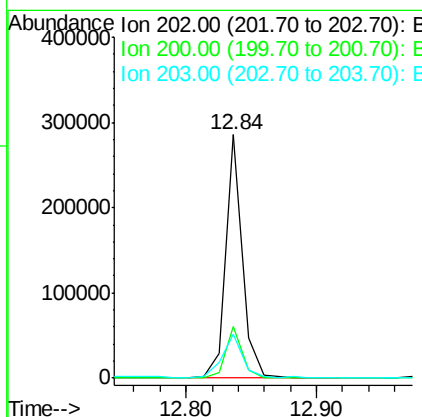
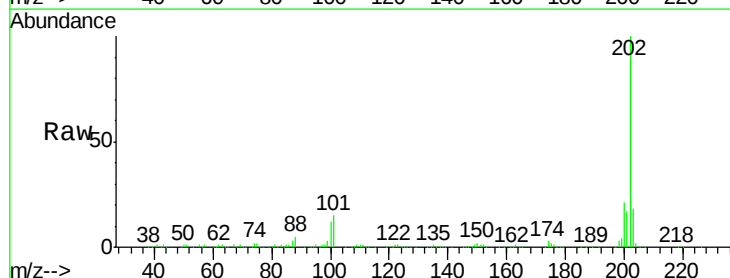
RT: 12.84 min Scan# 923

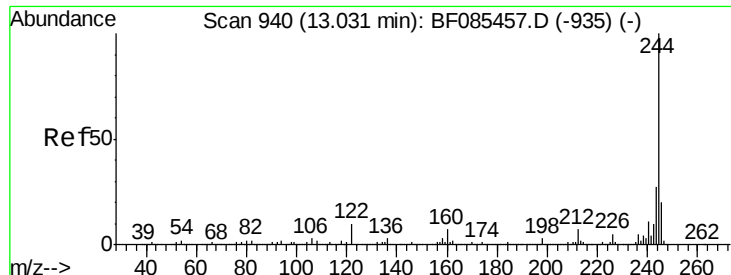
Delta R.T. -0.05 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

Tgt Ion:202 Resp: 252315
 Ion Ratio Lower Upper
 202 100
 200 21.2 18.2 27.4
 203 18.0 14.7 22.1





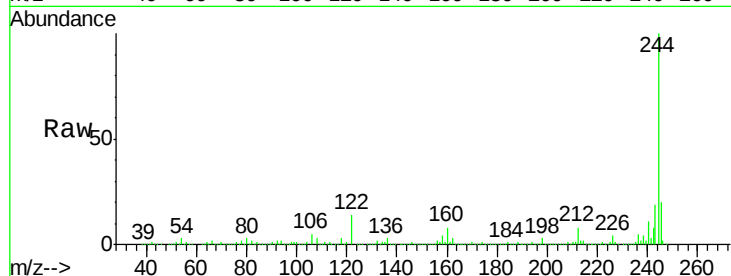
#78
 Terphenyl-d14
 Concen: 77.45 ng
 RT: 12.98 min Scan# 936
 Delta R.T. -0.05 min
 Lab File: BF085512.D
 Acq: 18 Mar 2016 1:05

Instrument :
 BNA_F
 ClientSampled :
 SB-32-COMP

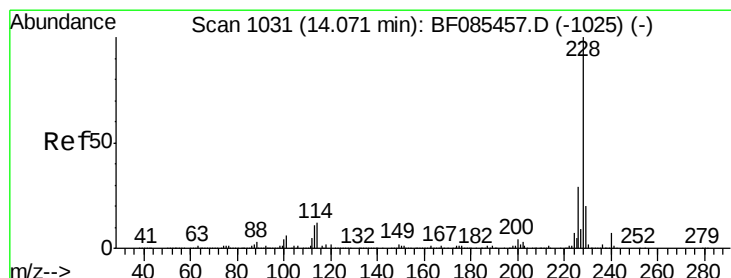
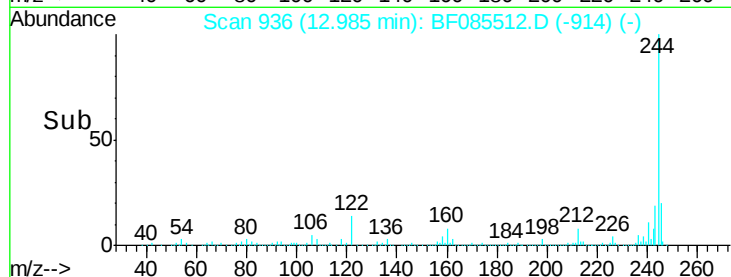
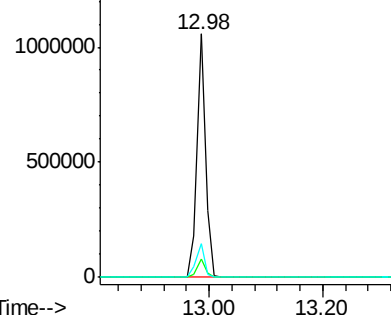
Tgt Ion:244 Resp: 1062285
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.4 9.6
 122 13.7 11.4 17.2

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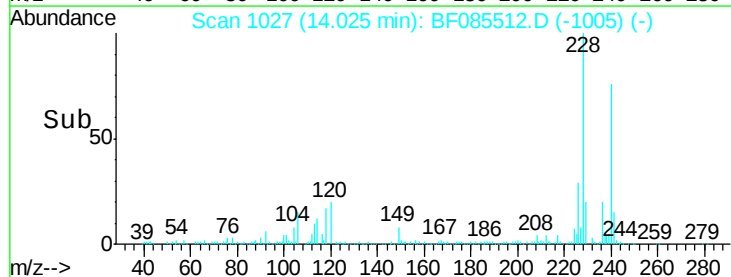
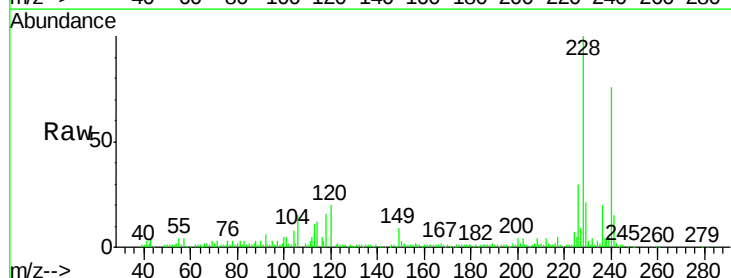
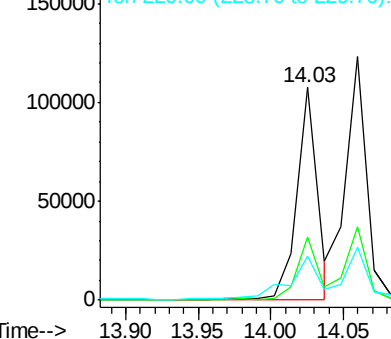
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

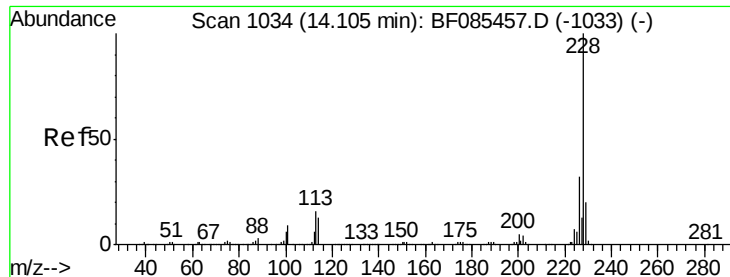


#80
 Benzo(a)anthracene
 Concen: 6.03 ng
 RT: 14.03 min Scan# 1027
 Delta R.T. -0.05 min
 Lab File: BF085512.D
 Acq: 18 Mar 2016 1:05

Tgt Ion:228 Resp: 107233
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.8 34.2
 229 20.9 16.6 24.8

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





#82

Chrysene

Concen: 7.62 ng

RT: 14.06 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

Instrument :

BNA_F

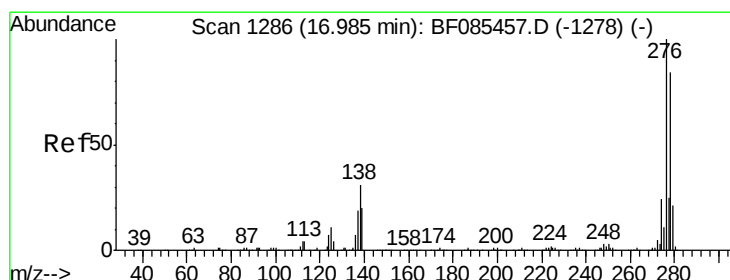
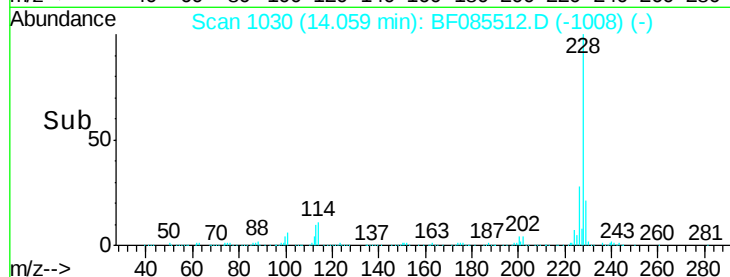
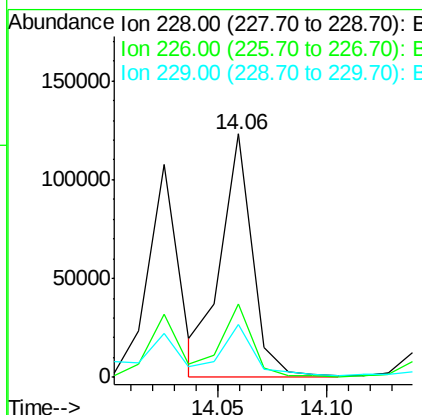
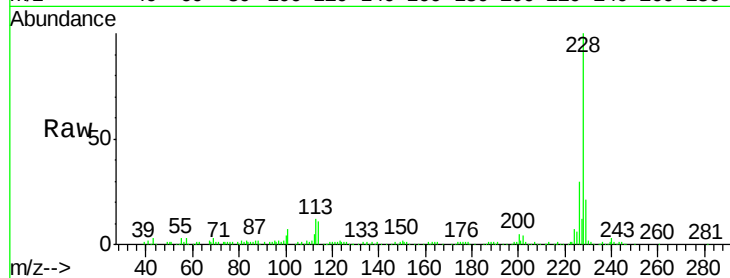
ClientSampleId :

SB-32-COMP

Tgt Ion:	228	Resp:	121957
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.2	37.8
229	21.5	16.0	24.0

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.67 ng

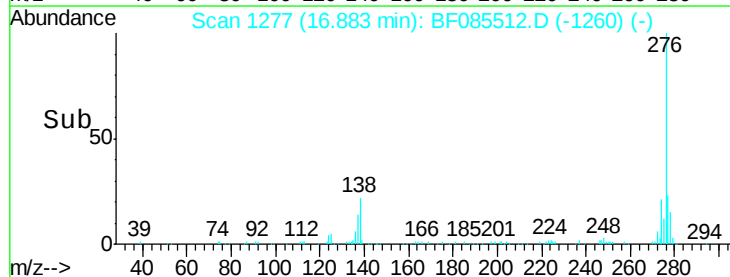
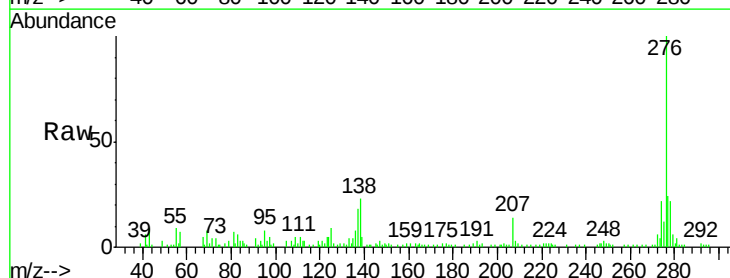
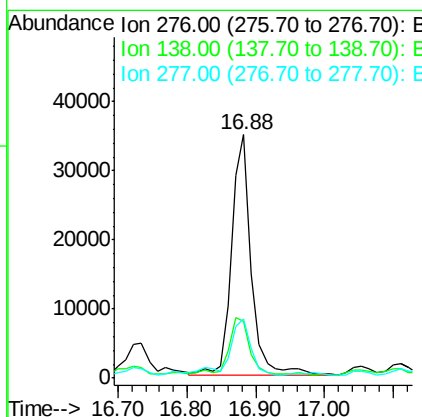
RT: 16.88 min Scan# 1277

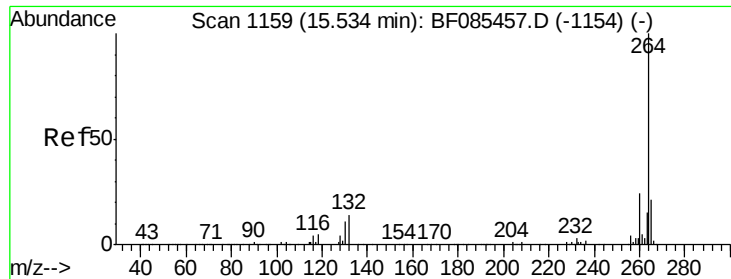
Delta R.T. -0.10 min

Lab File: BF085512.D

Acq: 18 Mar 2016 1:05

Tgt Ion:	276	Resp:	70867
Ion Ratio	Lower	Upper	
276	100		
138	27.0	26.4	39.6
277	26.3	20.2	30.2





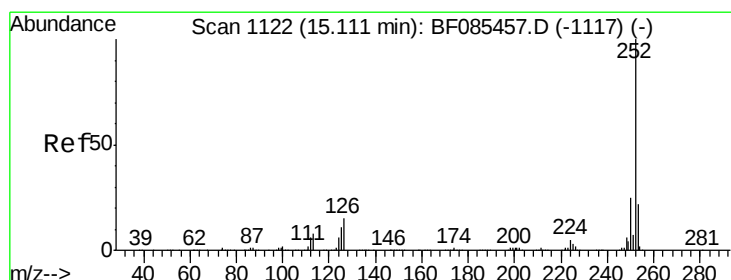
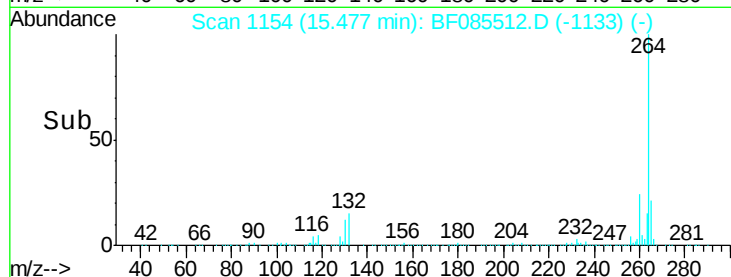
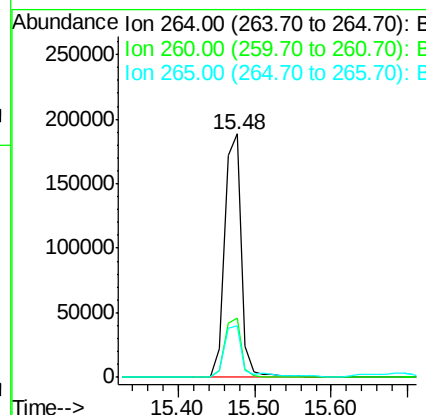
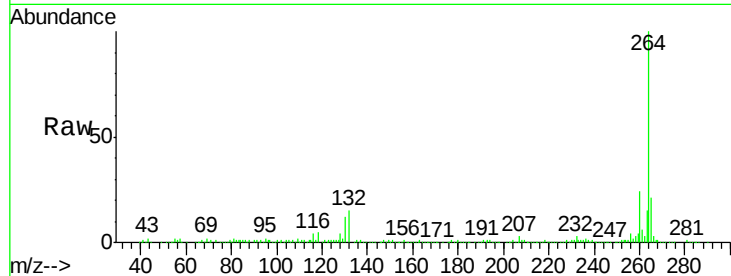
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1154
Delta R.T. -0.06 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Instrument :
BNA_F
ClientSampleId :
SB-32-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.2	17.3	25.9

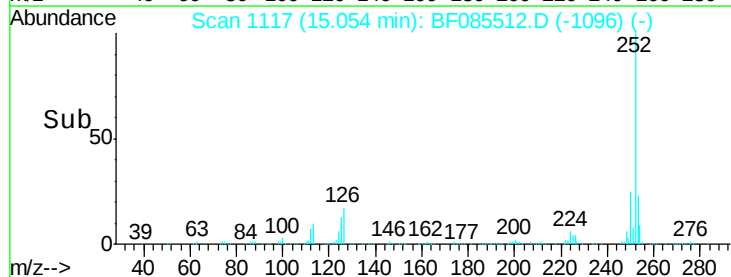
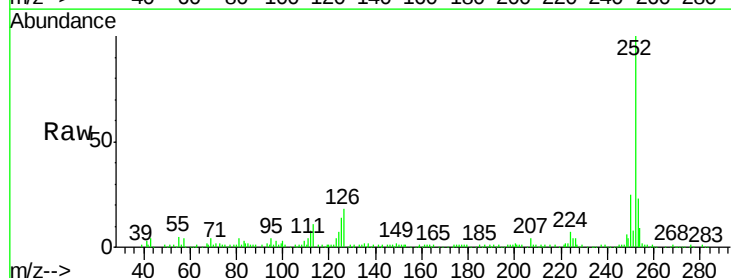
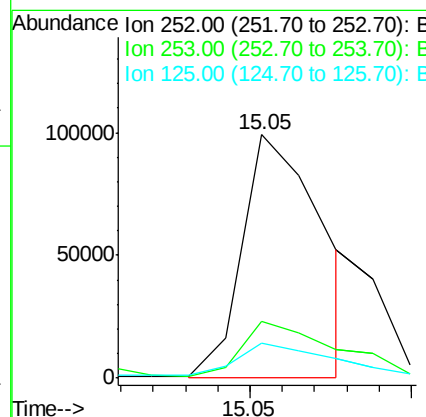
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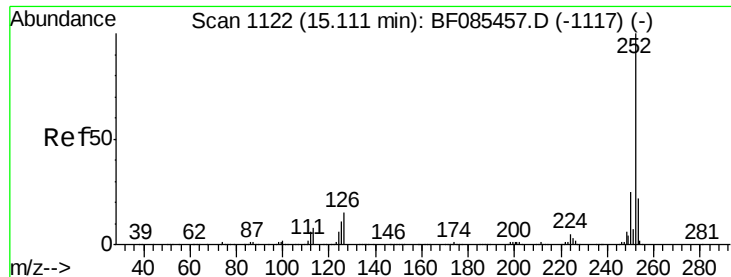
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#87
Benzo(b)fluoranthene
Concen: 9.07 ng m
RT: 15.05 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	14.5	11.3	16.9





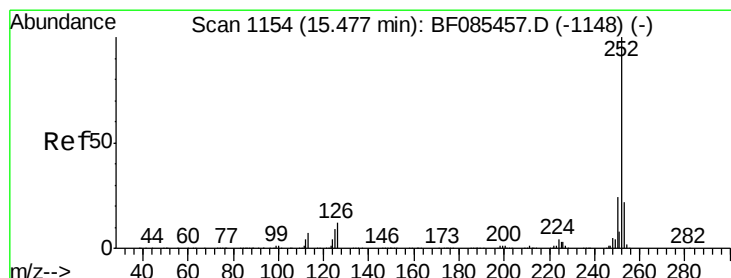
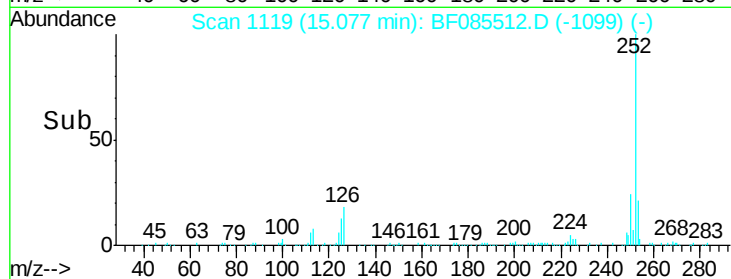
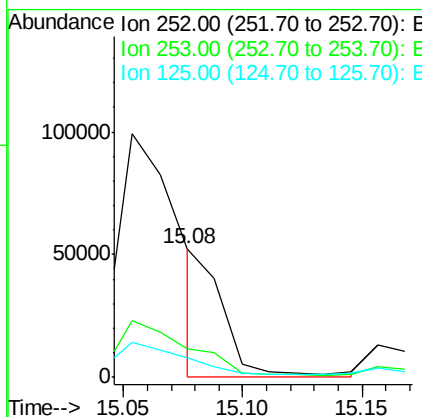
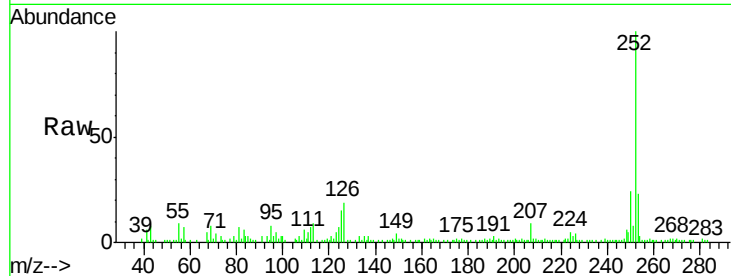
#88
Benzo(k)fluoranthene
Concen: 2.41 ng m
RT: 15.08 min Scan# 1119
Delta R.T. -0.07 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Instrument :
BNA_F
ClientSampleId :
SB-32-COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	15.0	10.4	15.6

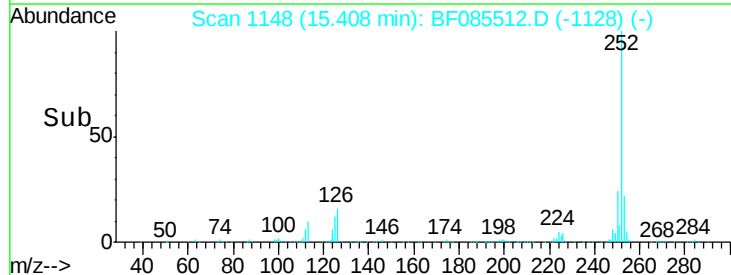
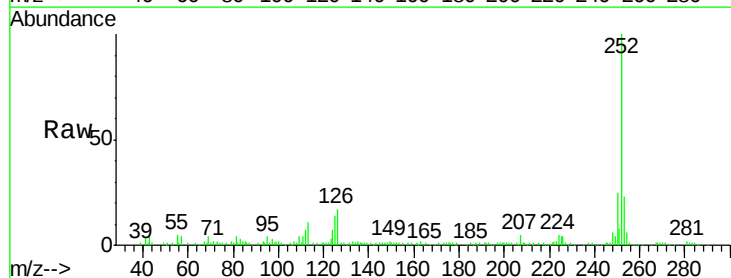
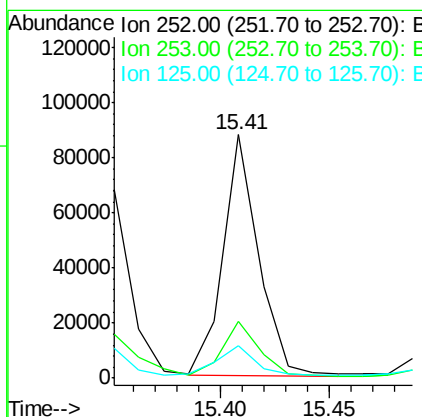
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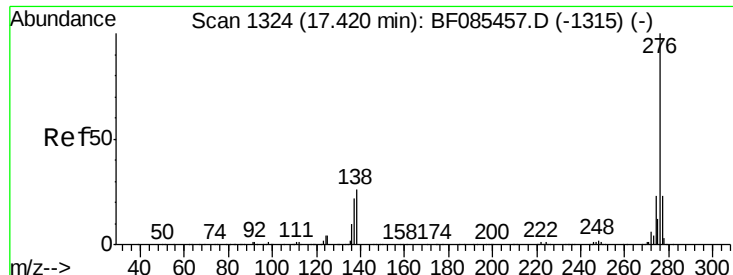
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#89
Benzo(a)pyrene
Concen: 6.09 ng
RT: 15.41 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF085512.D
Acq: 18 Mar 2016 1:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	13.5	8.2	12.4





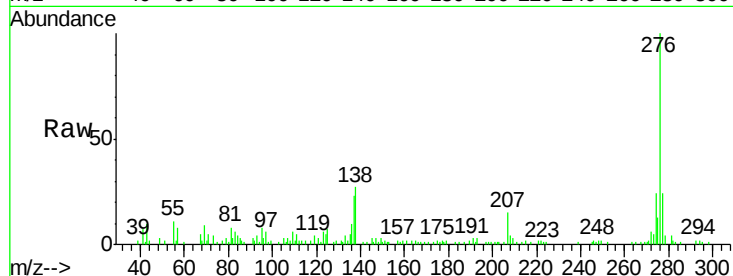
#91
 Benzo(g,h,i)perylene
 Concen: 4.07 ng
 RT: 17.31 min Scan# 1314
 Delta R.T. -0.11 min
 Lab File: BF085512.D
 Acq: 18 Mar 2016 1:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-32-COMP

Tgt	Ion	276	Resp:	66262
Ion	Ratio	Lower	Upper	
276	100			
277	24.1	19.0	28.4	
138	27.1	22.5	33.7	

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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

