

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042017\
 Data File : BF094556.D
 Acq On : 20 Apr 2017 20:33
 Operator : SJ/MA
 Sample : I2749-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-V6-NSW-02

Manual Integrations
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mohammad
 4/21/2017 11:39:11 AM

Quant Time: Apr 21 02:28:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	113876	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	485236	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	211972	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	354057	20.00	ng	0.00
75) Chrysene-d12	14.46	240	272481	20.00	ng	0.00
86) Perylene-d12	16.09	264	248283	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	770267	112.22	ng	0.00
7) Phenol-d6	5.39	99	975391	120.54	ng	0.00
23) Nitrobenzene-d5	6.41	82	590158	75.10	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	202735	122.28	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1118676	77.65	ng	0.00
78) Terphenyl-d14	13.19	244	832101	81.63	ng	0.00
Target Compounds						
10) Phenol	5.40	94	25549	2.57	ng	93
31) Naphthalene	7.28	128	66001	2.83	ng	98
37) 2-Methylnaphthalene	8.12	142	50190	3.14	ng	98
49) Dimethylphthalate	9.08	163	326610	20.68	ng	98
57) Fluorene	10.07	166	36601	2.52	ng	97
70) Phenanthrene	11.24	178	352956	17.70	ng	98
71) Anthracene	11.30	178	103332m	5.01	ng	
74) Fluoranthene	12.71	202	458296	22.18	ng	99
77) Pyrene	12.98	202	478928	25.16	ng	98
80) Benzo(a)anthracene	14.45	228	192734	12.17	ng	99
82) Chrysene	14.49	228	190918	13.19	ng	95
85) Indeno(1,2,3-cd)pyrene	17.36	276	99629	7.23	ng	95
87) Benzo(b)fluoranthene	15.68	252	212012m	13.96	ng	
88) Benzo(k)fluoranthene	15.71	252	81519m	5.67	ng	
89) Benzo(a)pyrene	16.03	252	167541	11.86	ng	98
90) Dibenzo(a,h)anthracene	17.37	278	27914	2.38	ng	# 84
91) Benzo(g,h,i)perylene	17.73	276	98946	8.28	ng	97

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

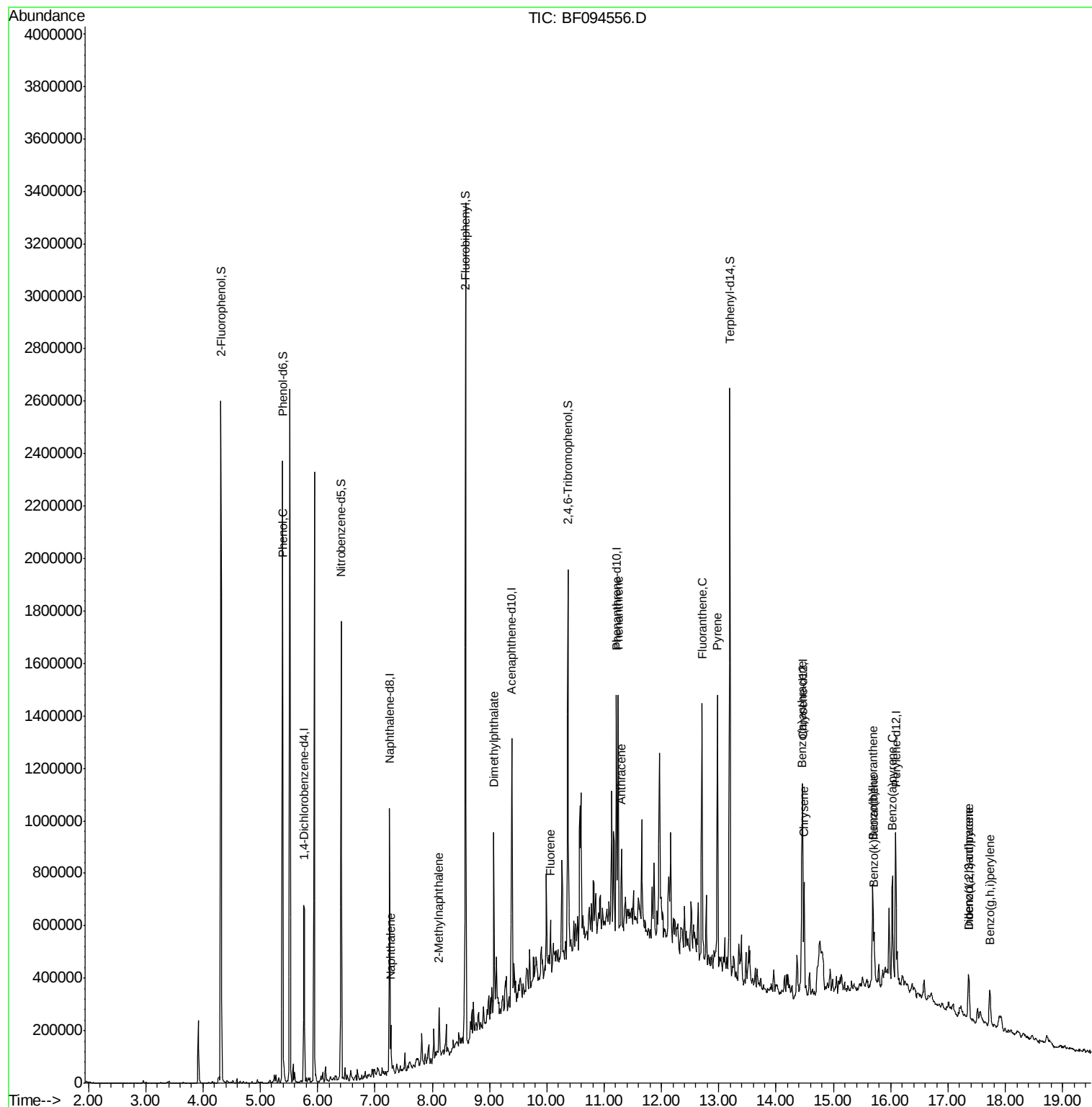
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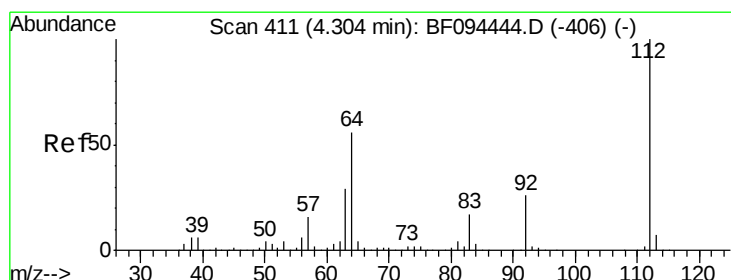
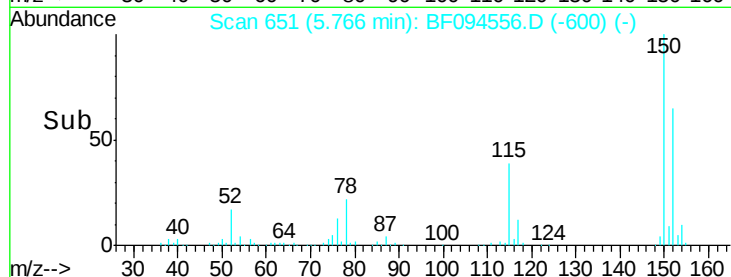
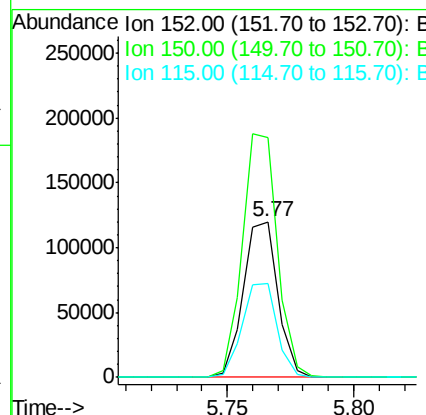
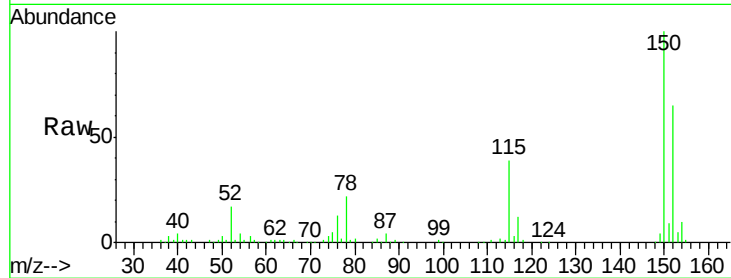
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.77 min Scan# 651
 Delta R.T. 0.00 min
 Lab File: BF094556.D
 Acq: 20 Apr 2017 20:33

Instrument :
 BNA_F
 ClientSampleId :
 E2-V6-NSW-02

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	126.2	189.2
115	60.0	52.2	78.2

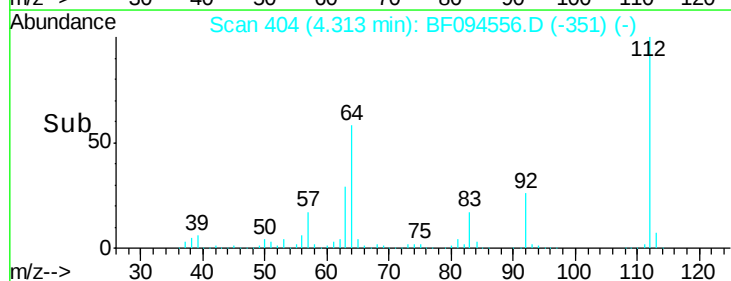
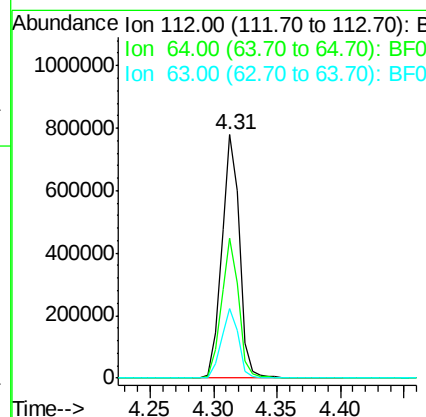
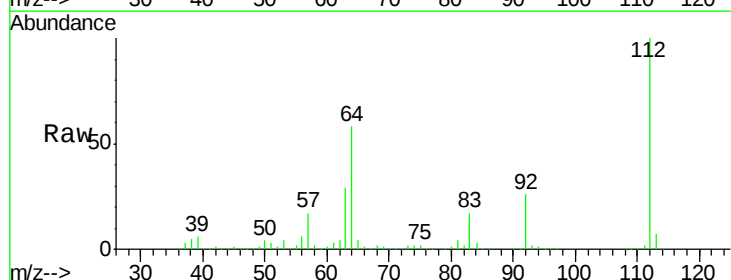
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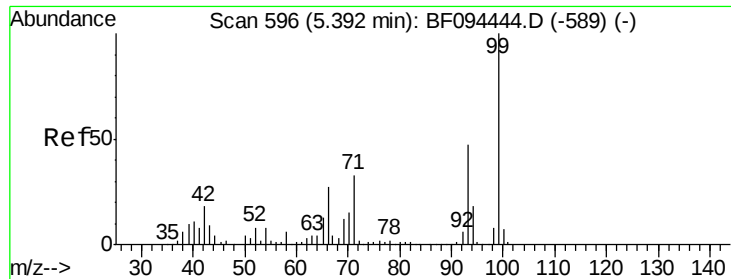
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#5
 2-Fluorophenol
 Concen: 112.22 ng
 RT: 4.31 min Scan# 404
 Delta R.T. 0.01 min
 Lab File: BF094556.D
 Acq: 20 Apr 2017 20:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	46.0	69.0
63	28.8	23.4	35.0





#7

Phenol-d6

Concen: 120.54 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

Instrument :

BNA_F

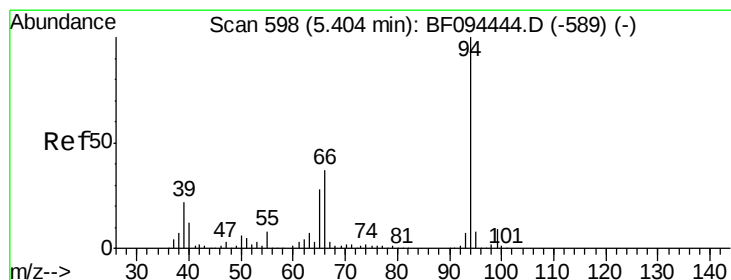
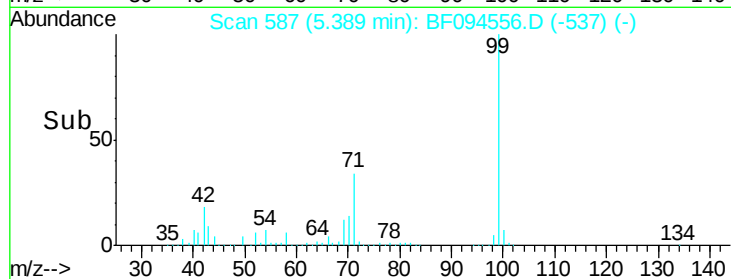
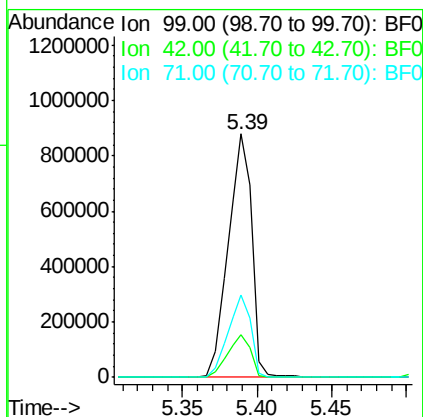
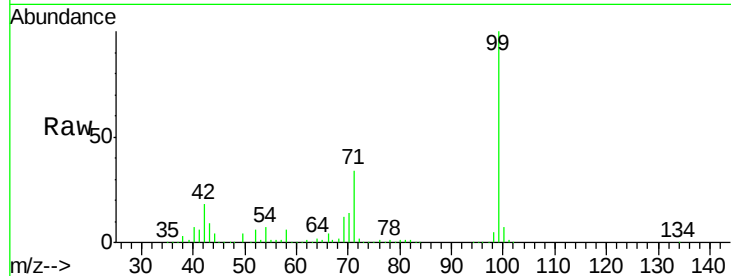
ClientSampleId :

E2-V6-NSW-02

Tot Ion:	99	Resp:	975391
Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.5	20.3
71	33.8	24.5	36.7

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#10

Phenol

Concen: 2.57 ng

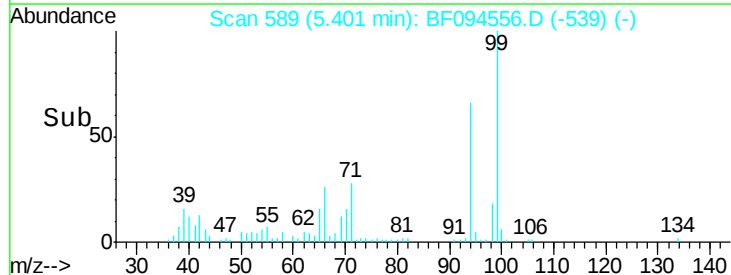
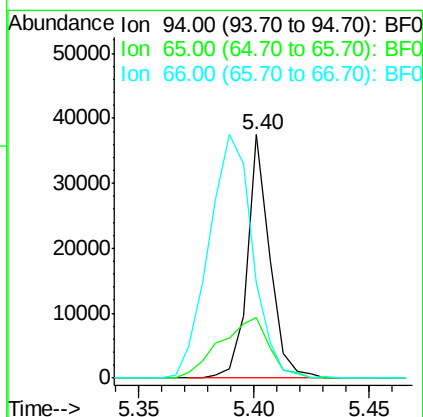
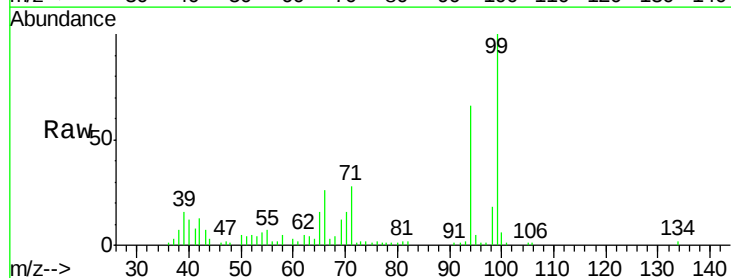
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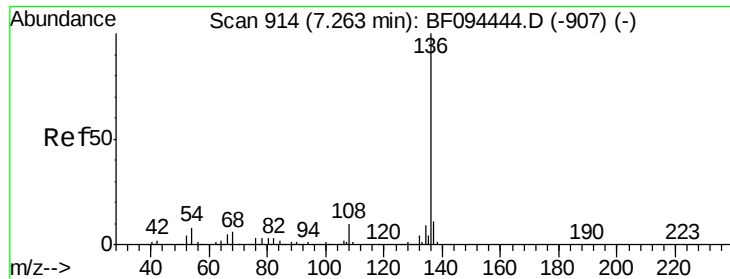
Delta R.T. -0.00 min

Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

Tgt Ion:	94	Resp:	25549
Ion	Ratio	Lower	Upper
94	100		
65	24.9	9.9	49.9
66	39.2	23.1	63.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

Instrument :

BNA_F

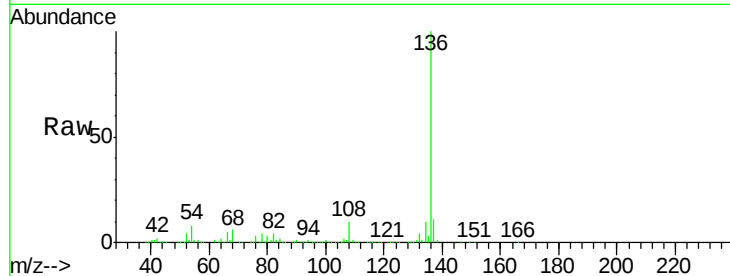
ClientSampleId :

E2-V6-NSW-02

Tot Ion	Ratio	Resp	Lower	Upper
136	100	485236		
137	11.2	8.5	12.7	
54	7.9	4.9	7.3	
68	5.7	4.1	6.1	

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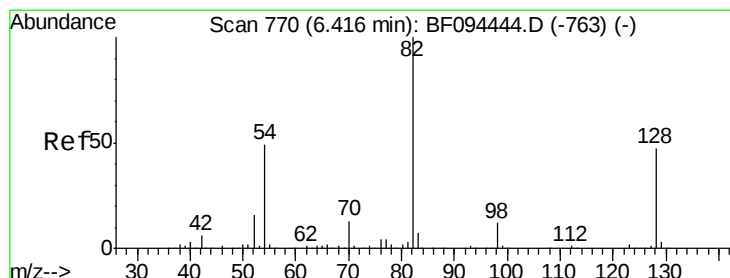
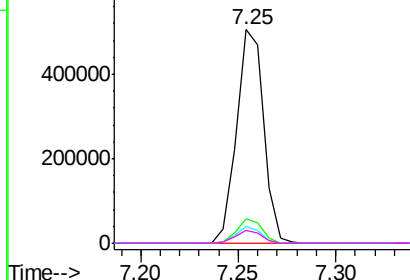
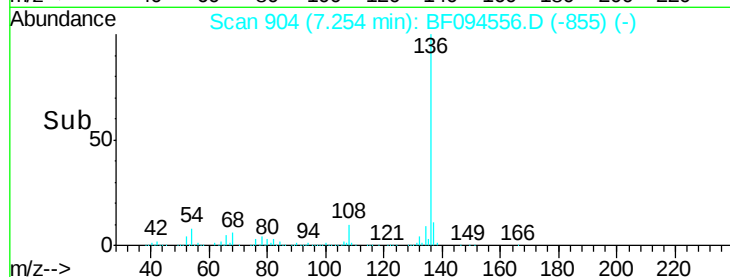


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.10 ng

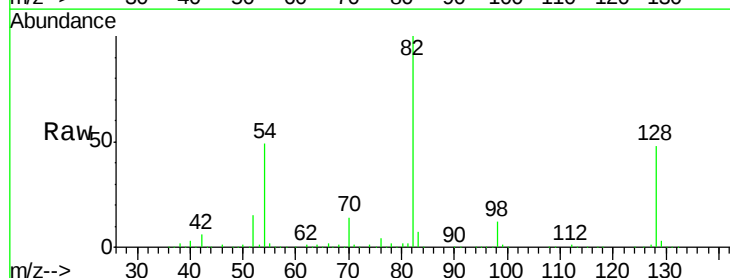
RT: 6.41 min Scan# 761

Delta R.T. -0.00 min

Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

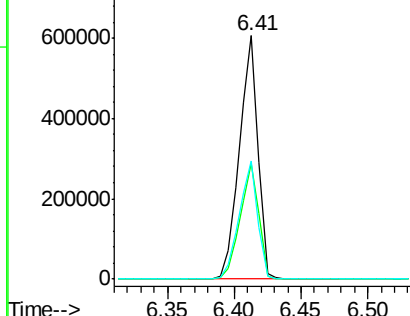
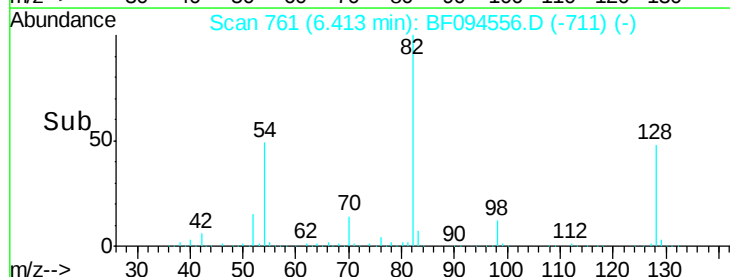
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	590158		
128	47.5	34.0	51.0	
54	48.7	42.2	63.2	

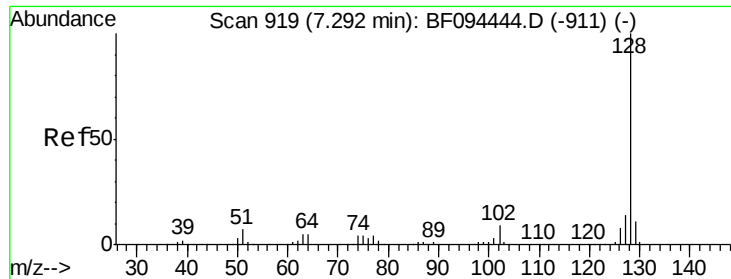


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 2.83 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

Instrument :

BNA_F

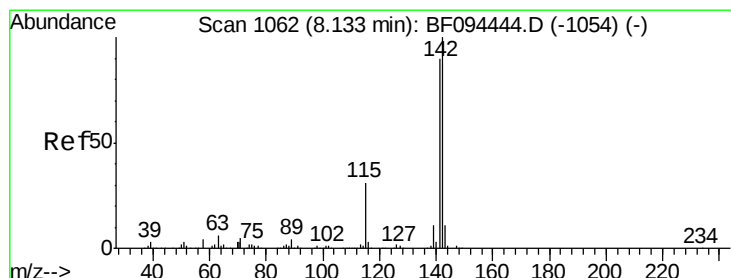
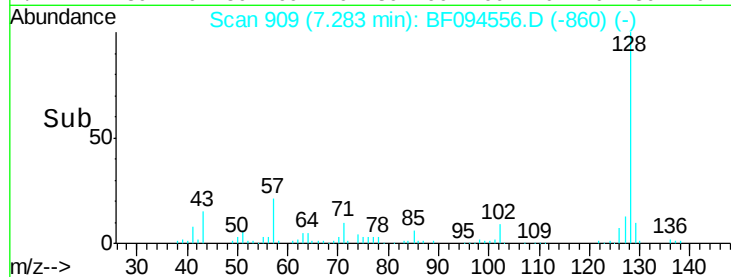
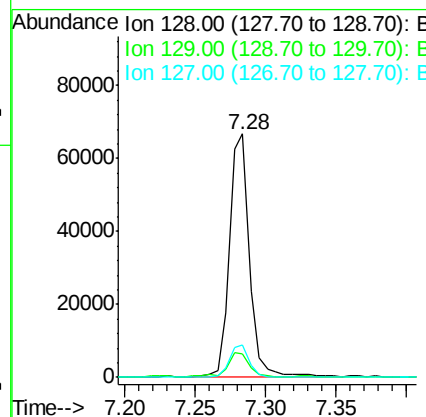
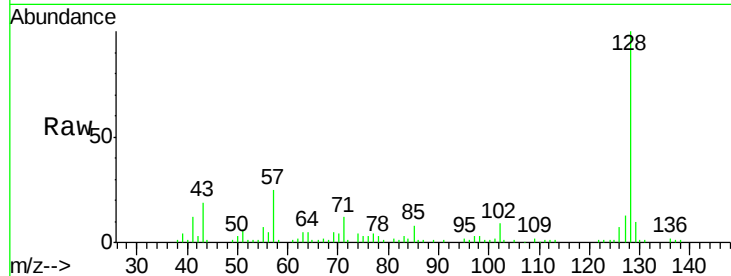
ClientSampleId :

E2-V6-NSW-02

Tot Ion:	128	Resp:	66001
Ion Ratio	Lower	Upper	
128	100		
129	9.8	9.0	13.6
127	13.1	10.8	16.2

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#37

2-Methylnaphthalene

Concen: 3.14 ng

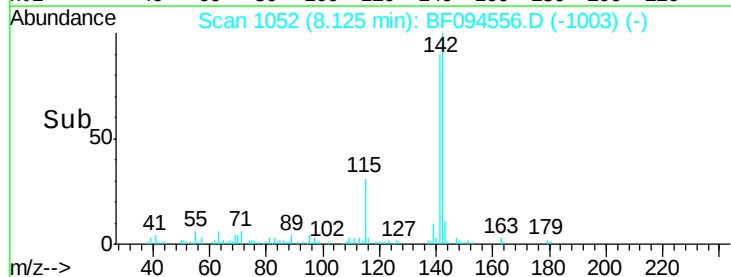
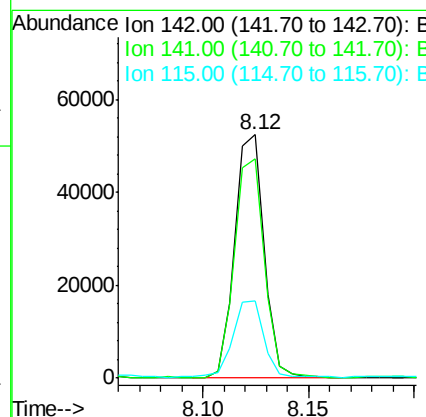
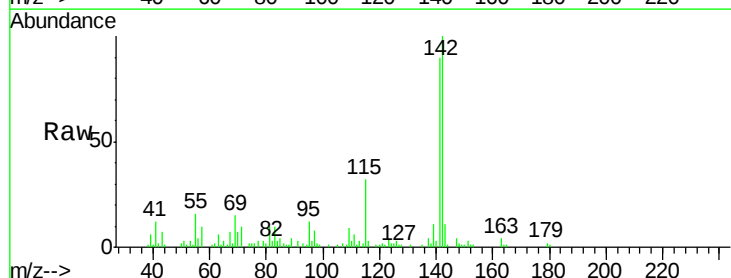
RT: 8.12 min Scan# 1052

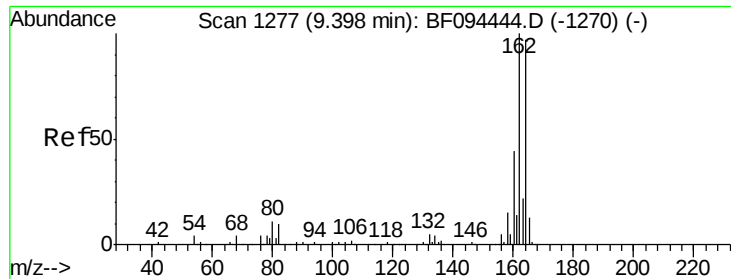
Delta R.T. -0.01 min

Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

Tgt Ion:	142	Resp:	50190
Ion Ratio	Lower	Upper	
142	100		
141	90.0	71.3	106.9
115	31.5	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.39 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

Instrument :

BNA_F

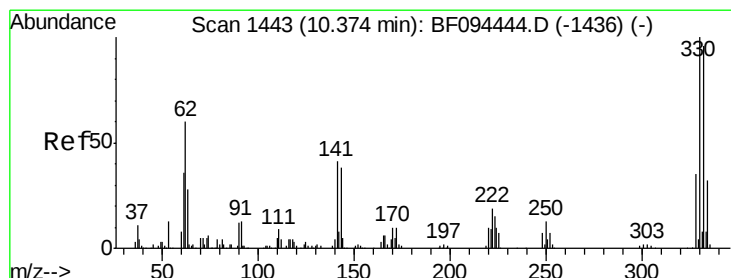
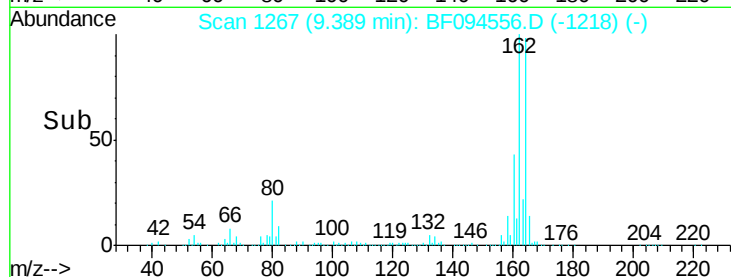
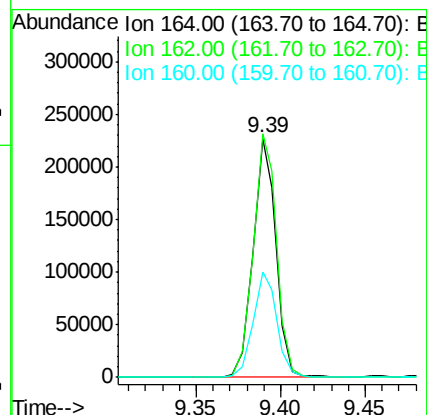
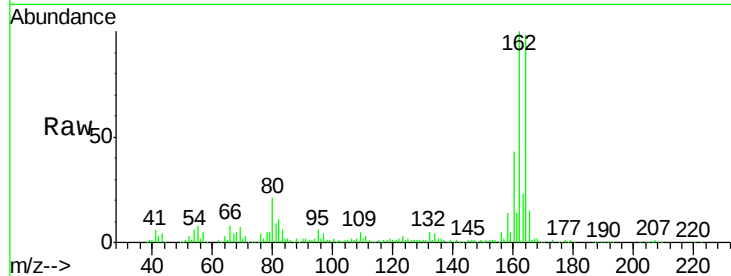
ClientSampleId :

E2-V6-NSW-02

Tot Ion:	164	Resp:	211972
Ion Ratio	Lower	Upper	
164	100		
162	102.1	82.6	123.8
160	44.3	36.2	54.2

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#41

2,4,6-Tribromophenol

Concen: 122.28 ng

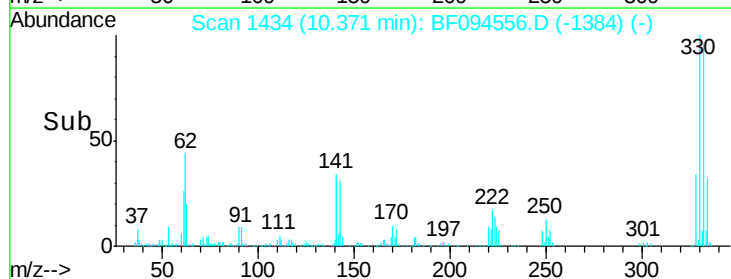
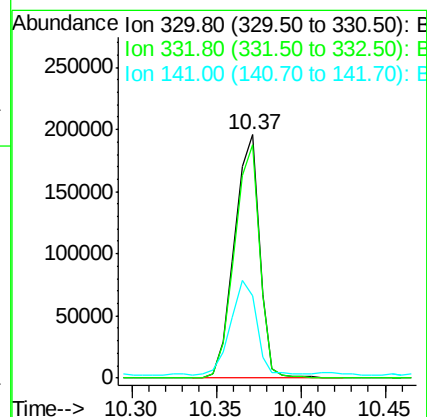
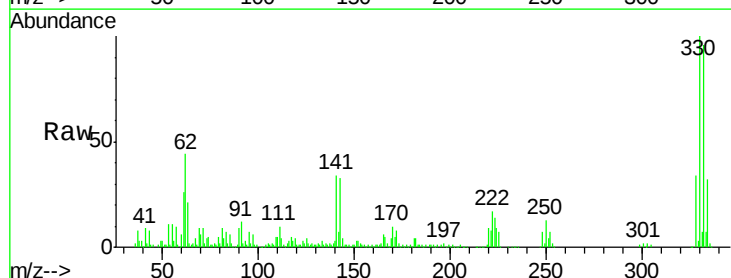
RT: 10.37 min Scan# 1434

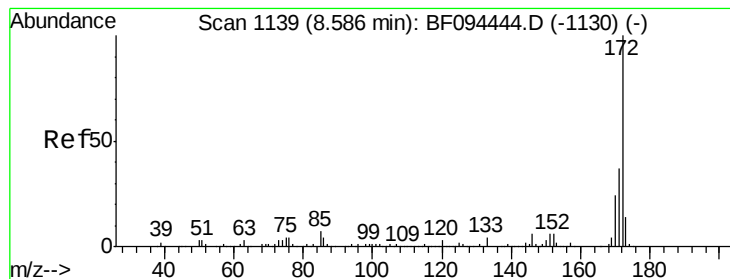
Delta R.T. -0.00 min

Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

Tgt Ion:	330	Resp:	202735
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.6	115.0
141	41.4	31.4	47.2





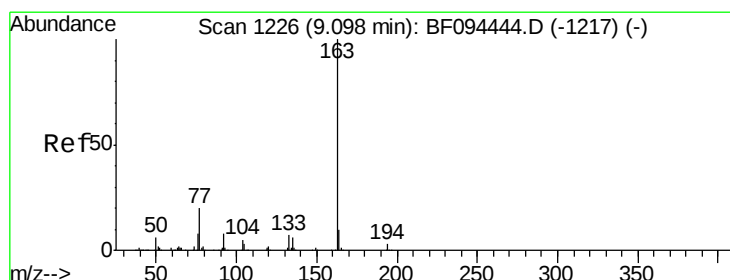
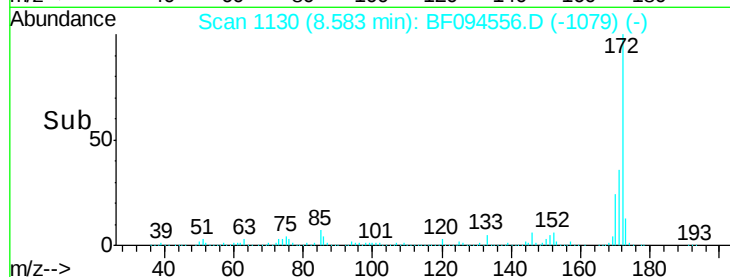
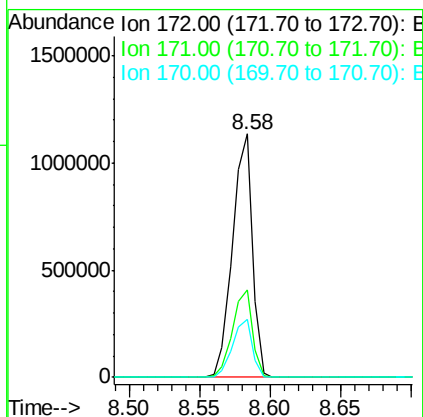
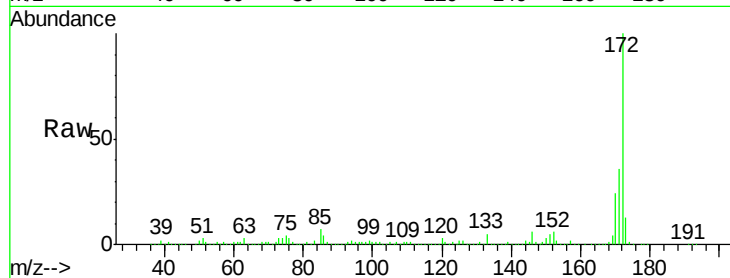
#44
2-Fluorobiphenyl
Concen: 77.65 ng
RT: 8.58 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF094556.D
Acq: 20 Apr 2017 20:33

Instrument :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.9	19.8	29.8

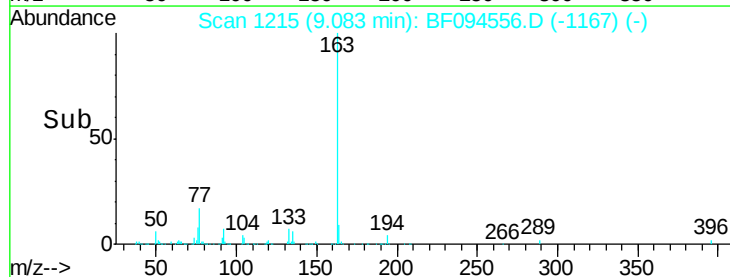
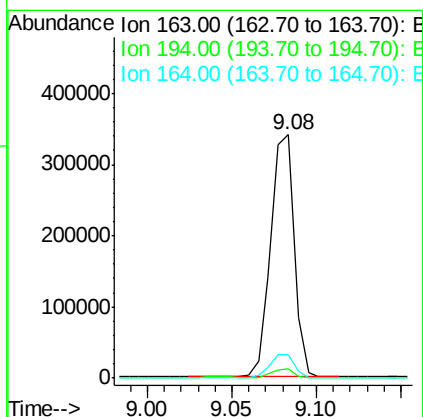
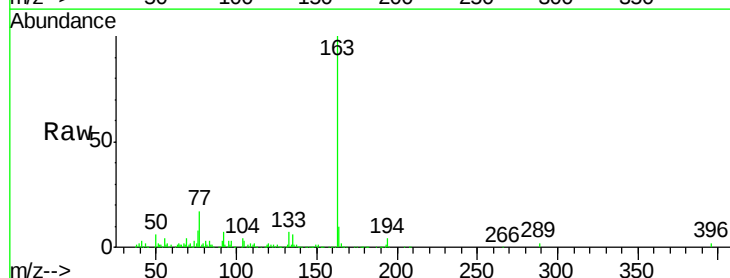
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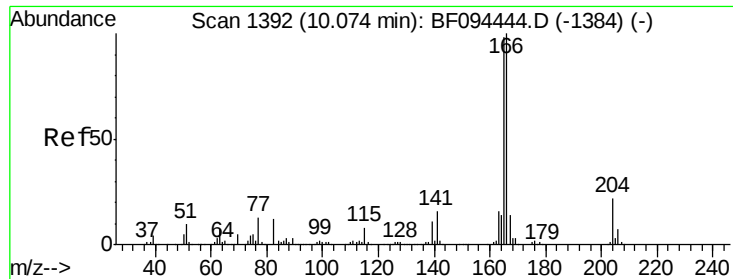
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#49
Dimethylphthalate
Concen: 20.68 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094556.D
Acq: 20 Apr 2017 20:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	9.6	8.4	12.6





#57

Fluorene

Concen: 2.52 ng

RT: 10.07 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

Instrument :

BNA_F

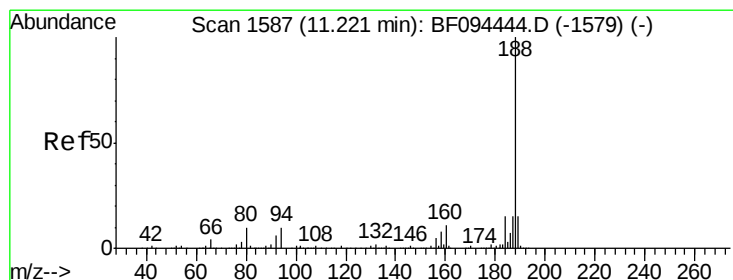
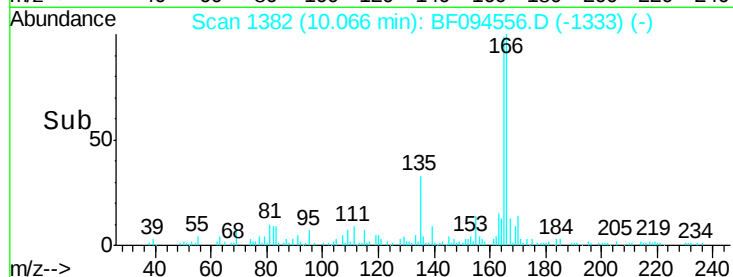
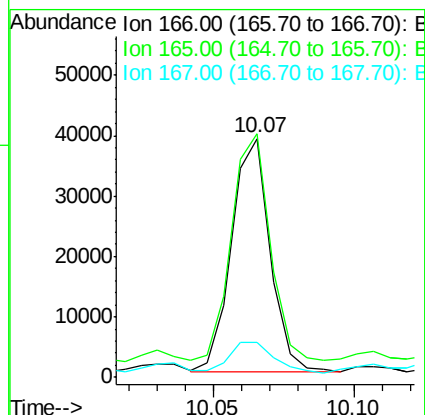
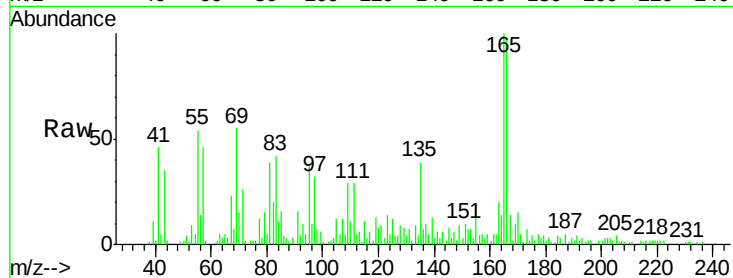
ClientSampleId :

E2-V6-NSW-02

Tot Ion:	166	Resp:	36601
Ion Ratio	Lower	Upper	
166	100		
165	101.8	78.8	118.2
167	14.5	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.00 ng

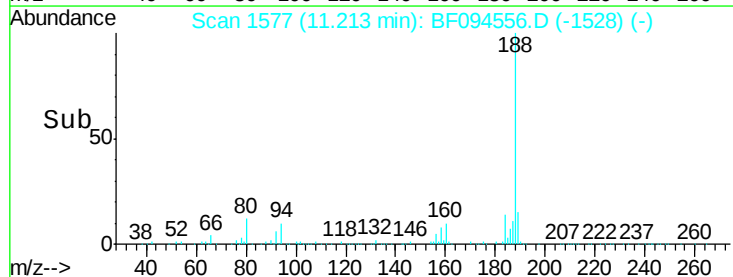
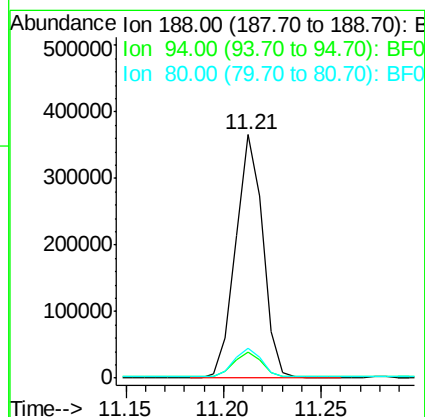
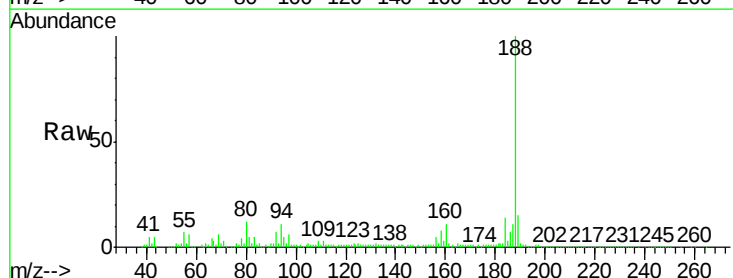
RT: 11.21 min Scan# 1577

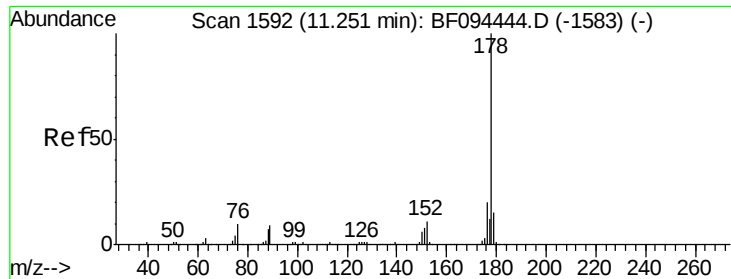
Delta R.T. -0.01 min

Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

Tgt Ion:	188	Resp:	354057
Ion Ratio	Lower	Upper	
188	100		
94	10.8	9.4	14.2
80	12.2	10.2	15.2





#70

Phenanthrene

Concen: 17.70 ng

RT: 11.24 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

Instrument :

BNA_F

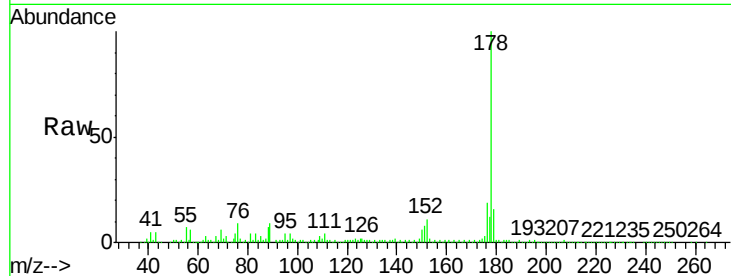
ClientSampleId :

E2-V6-NSW-02

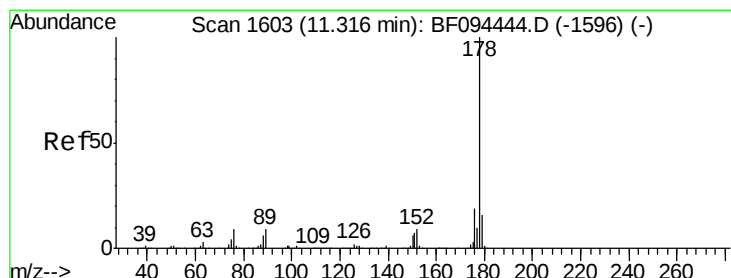
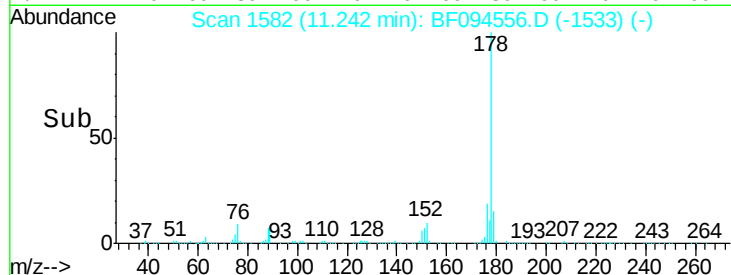
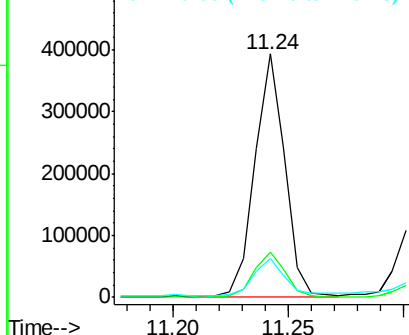
Tot Ion:178	Resp:	352956
Ion Ratio	Lower	Upper
178	100	
176	18.7	16.2 24.4
179	15.8	12.6 19.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 5.01 ng m

RT: 11.30 min Scan# 1592

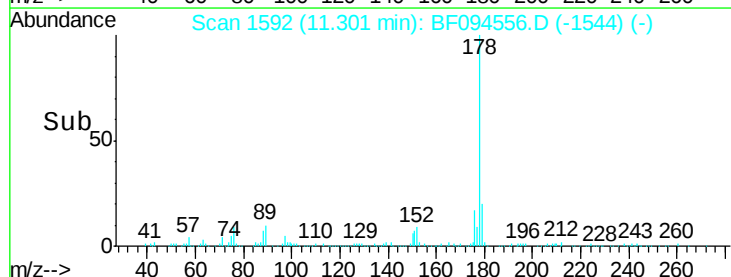
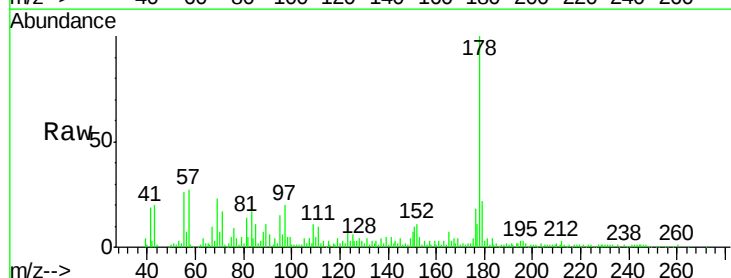
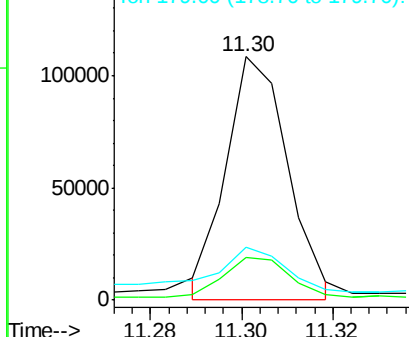
Delta R.T. -0.01 min

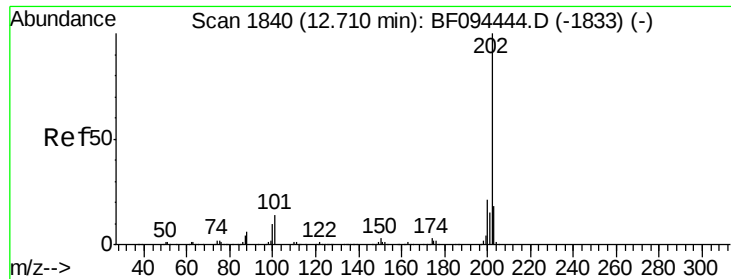
Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

Tgt Ion:178	Resp:	103332
Ion Ratio	Lower	Upper
178	100	
176	17.8	15.8 23.8
179	21.7	12.7 19.1#

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 22.18 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

Instrument :

BNA_F

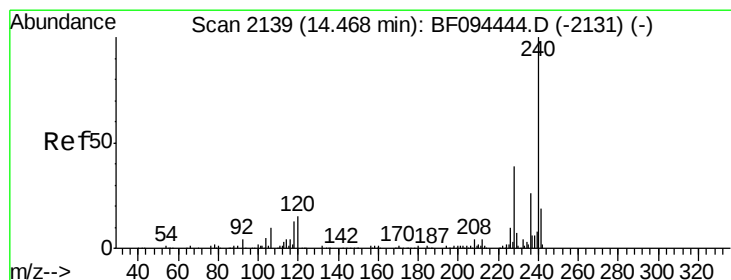
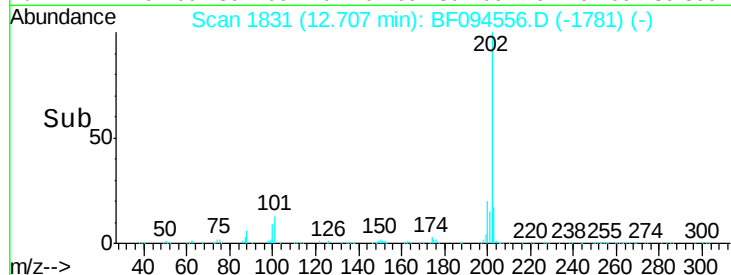
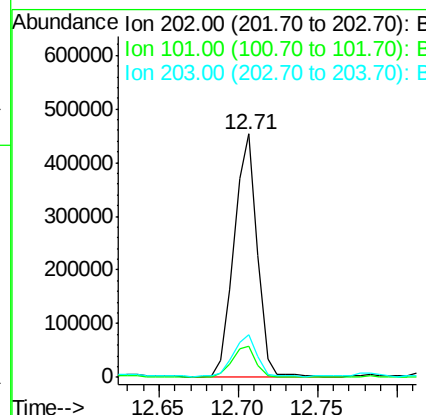
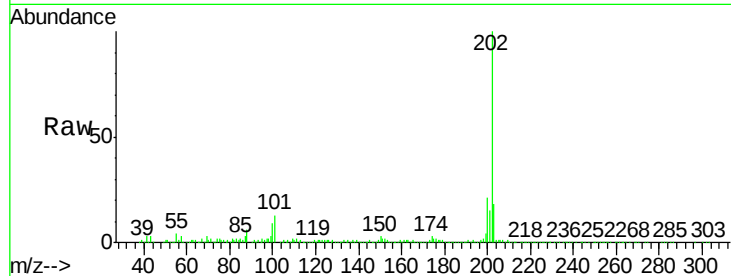
ClientSampleId :

E2-V6-NSW-02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		458296		
101	12.8	0.0	33.2		
203	17.7	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

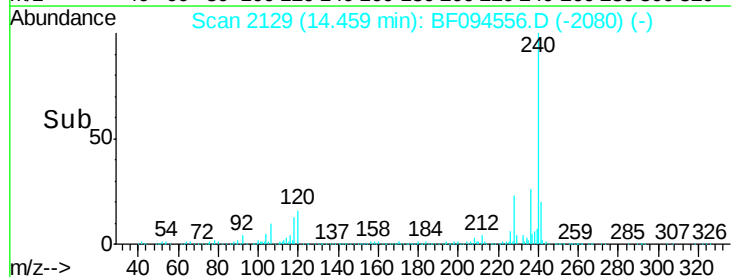
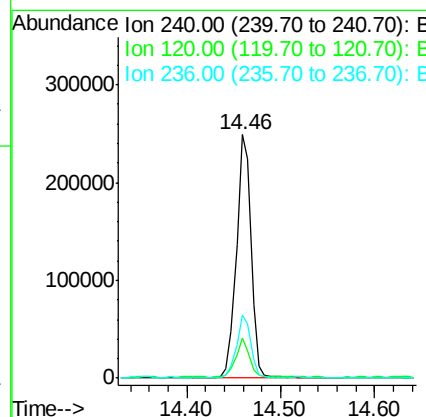
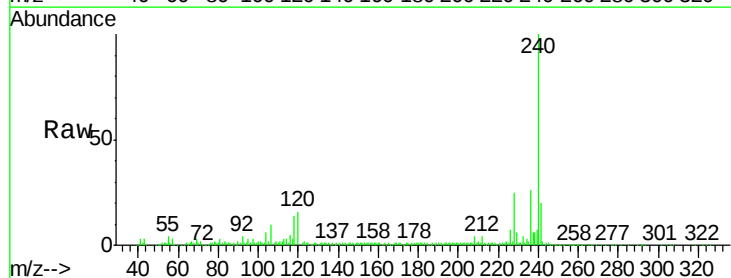
RT: 14.46 min Scan# 2129

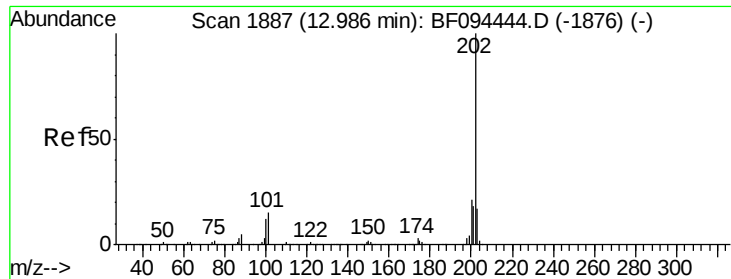
Delta R.T. -0.01 min

Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		272481		
120	16.5	5.8	8.8#		
236	25.7	20.5	30.7		





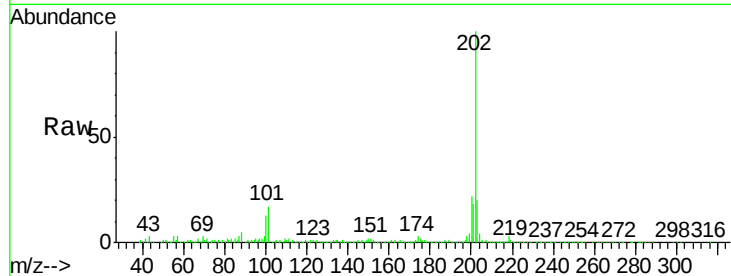
#77
Pvrene
Concen: 25.16 ng
RT: 12.98 min Scan# 1877
Delta R.T. -0.01 min
Lab File: BF094556.D
Acq: 20 Apr 2017 20:33

Instrument :
BNA_F
ClientSampleId :
E2-V6-NSW-02

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	19.6	14.4	21.6

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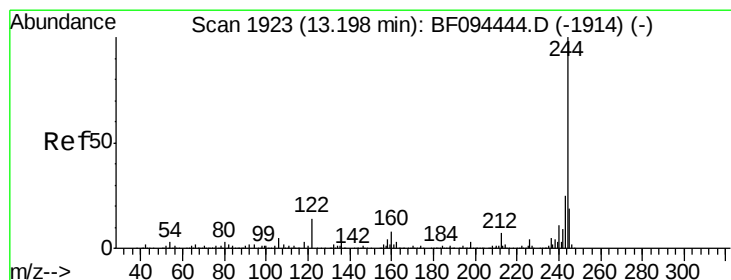
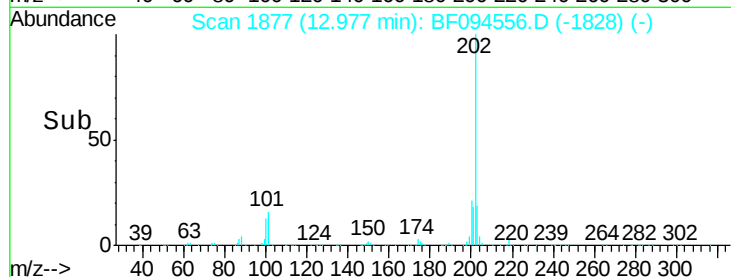
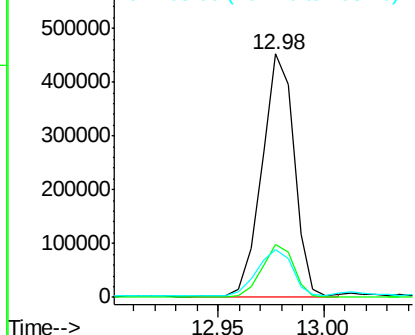


Abundance

Ion 202.00 (201.70 to 202.70): E

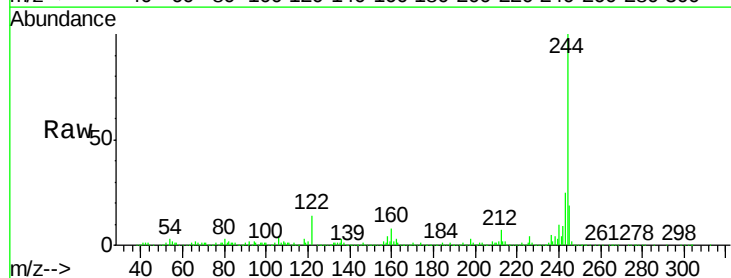
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 81.63 ng
RT: 13.19 min Scan# 1914
Delta R.T. -0.00 min
Lab File: BF094556.D
Acq: 20 Apr 2017 20:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.6	10.3	15.5

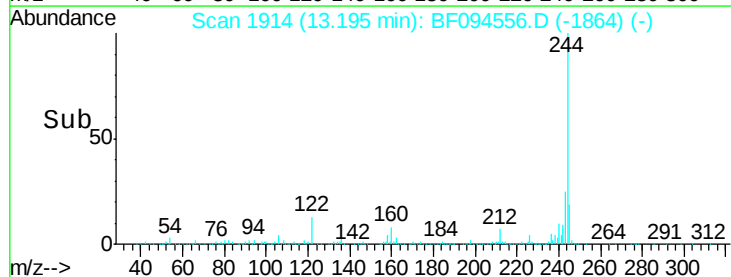
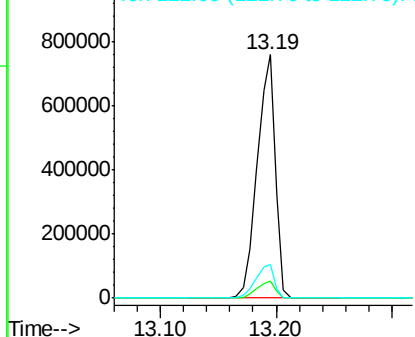


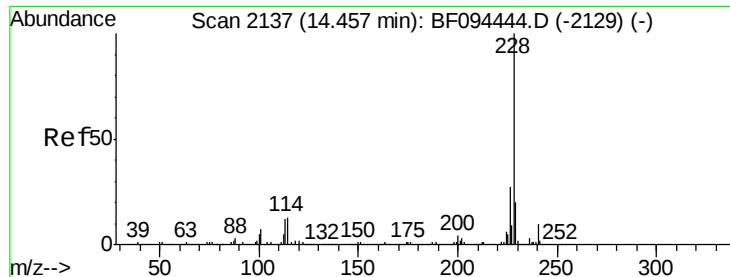
Abundance

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





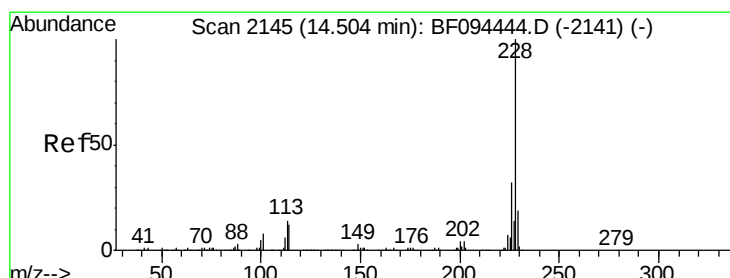
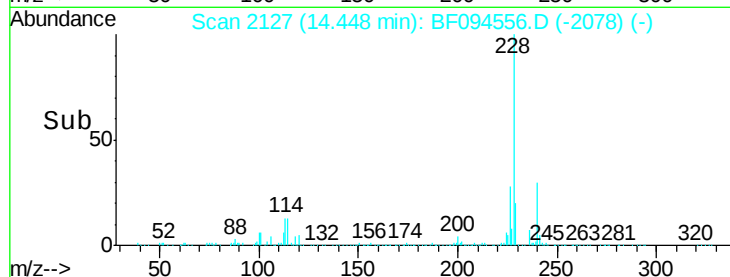
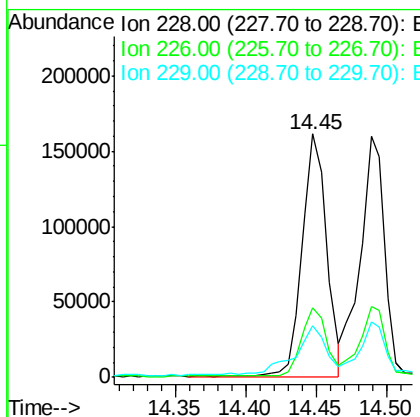
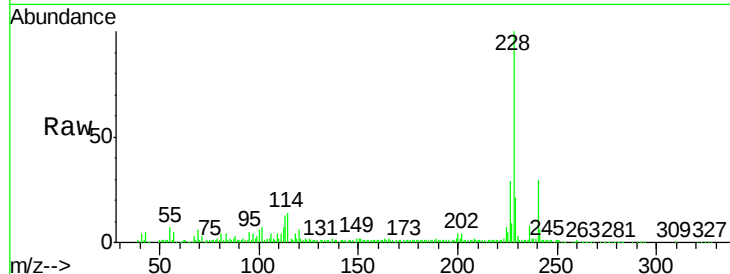
#80
Benzo(a)anthracene
Concen: 12.17 ng
RT: 14.45 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BF094556.D
Acq: 20 Apr 2017 20:33

Instrument :
BNA_F
ClientSampleId :
E2-V6-NSW-02

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	21.1	16.3	24.5

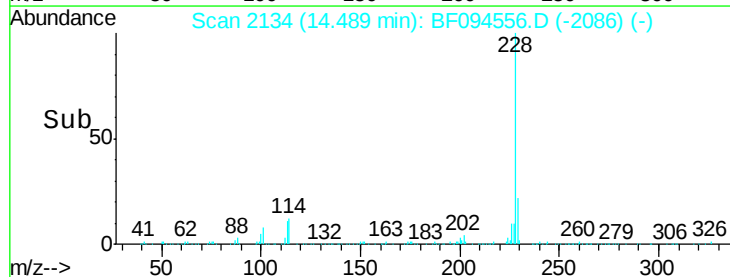
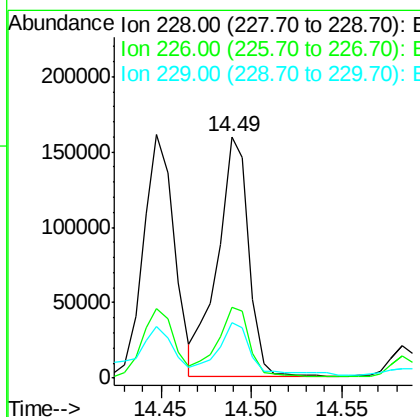
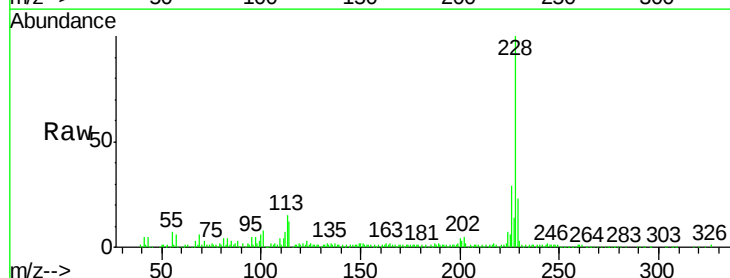
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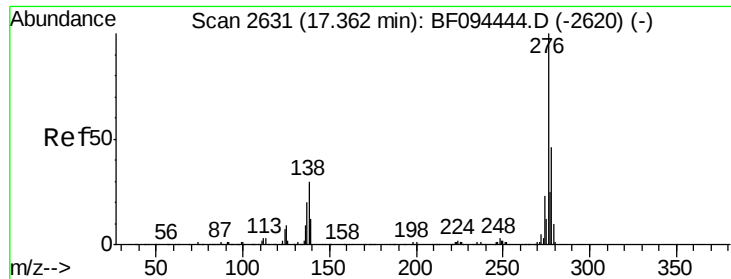
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#82
Chrysene
Concen: 13.19 ng
RT: 14.49 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BF094556.D
Acq: 20 Apr 2017 20:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.9	37.3
229	22.8	15.8	23.6





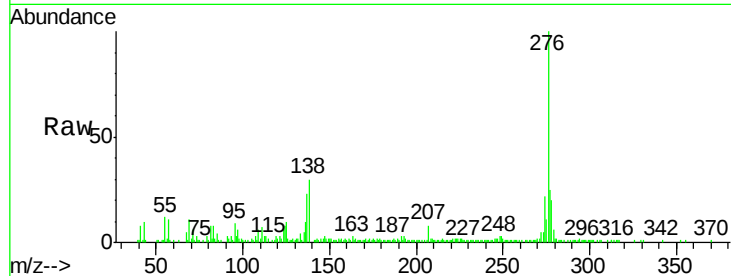
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.23 ng
RT: 17.36 min Scan# 2622
Delta R.T. -0.00 min
Lab File: BF094556.D
Acq: 20 Apr 2017 20:33

Instrument :
BNA_F
ClientSampleId :
E2-V6-NSW-02

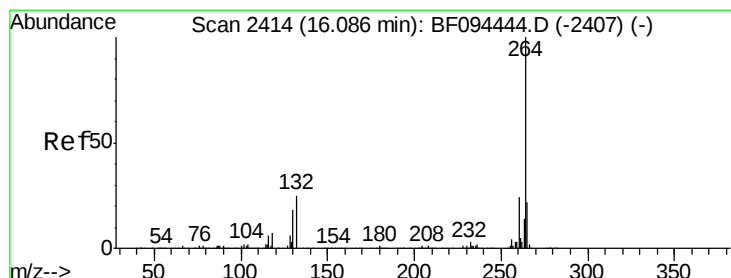
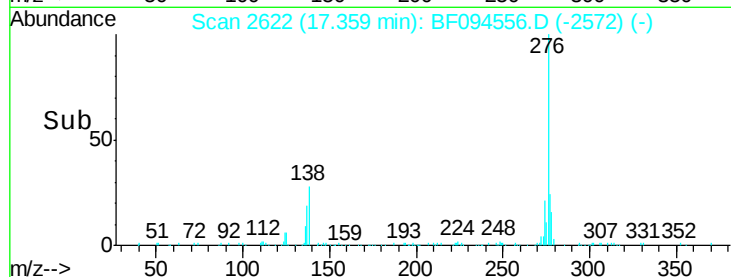
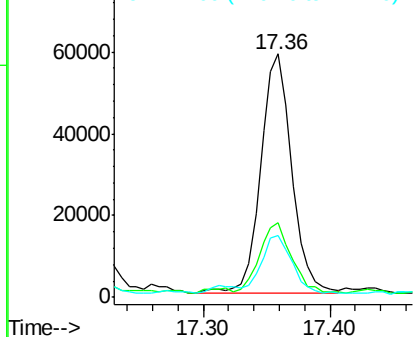
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.1	27.8	41.6
277	24.3	20.2	30.4

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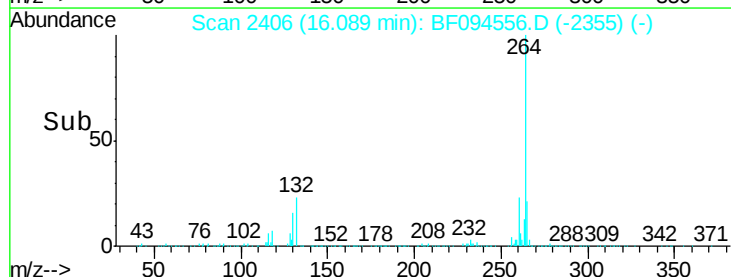
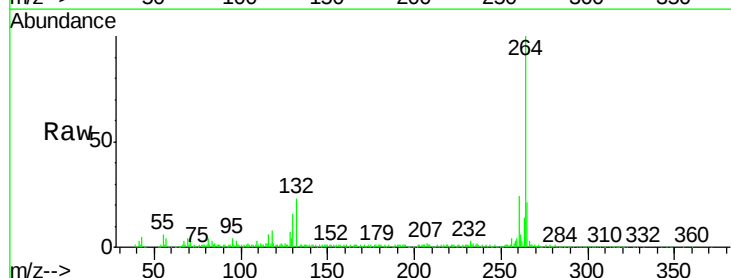
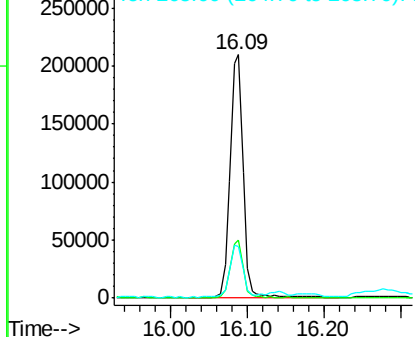
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

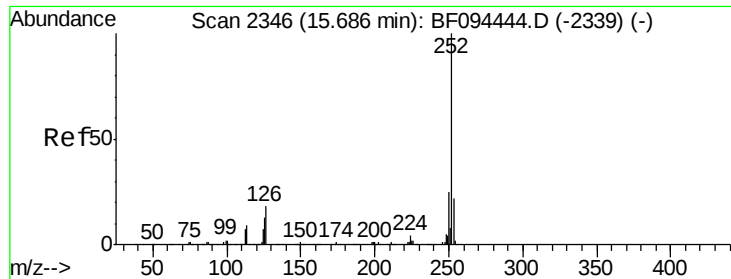


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BF094556.D
Acq: 20 Apr 2017 20:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.3	17.2	25.8

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: 13.96 ng m

RT: 15.68 min Scan# 2337

Delta R.T. -0.00 min

Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

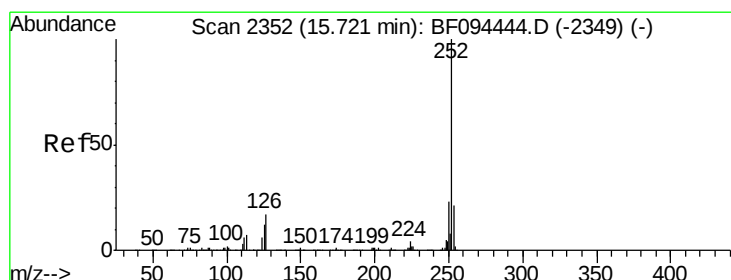
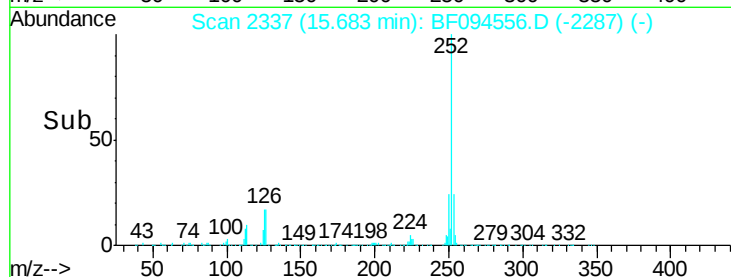
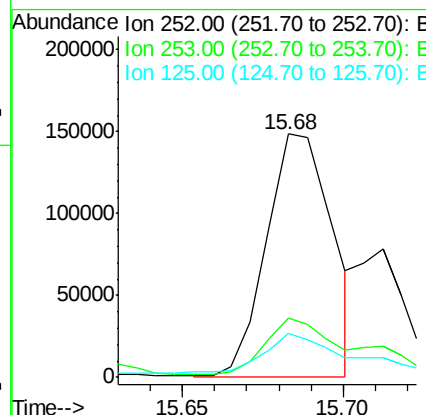
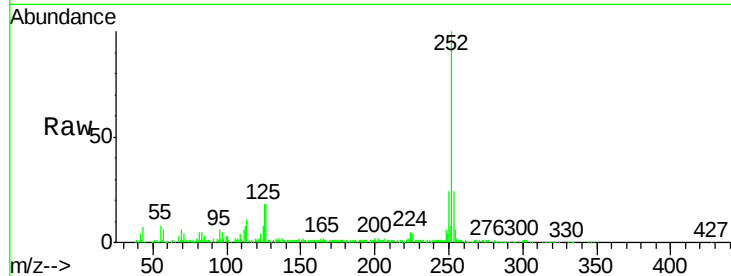
Instrument :
BNA_F

ClientSampleId :
E2-V6-NSW-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.1	27.1
125	18.2	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 5.67 ng m

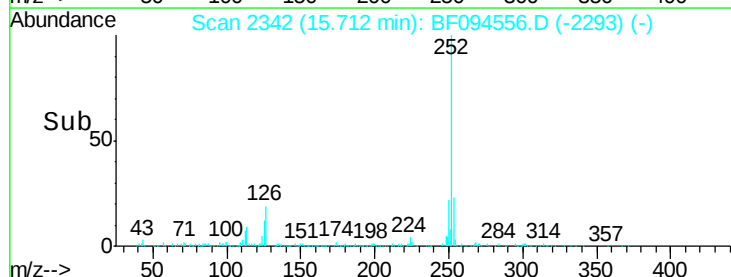
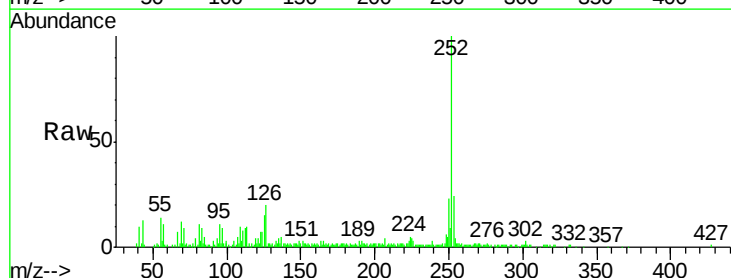
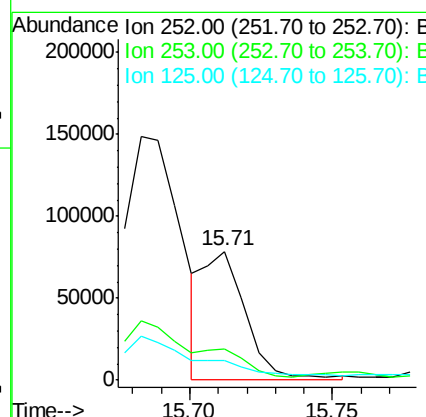
RT: 15.71 min Scan# 2342

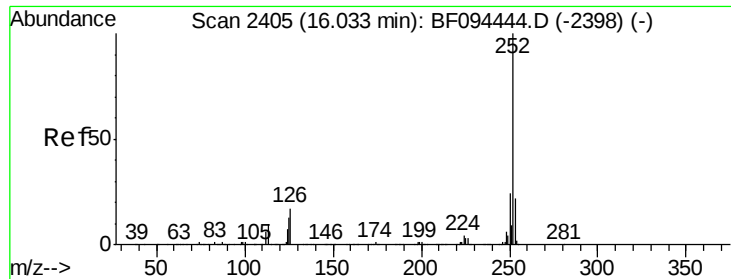
Delta R.T. -0.01 min

Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	15.3	13.1	19.7





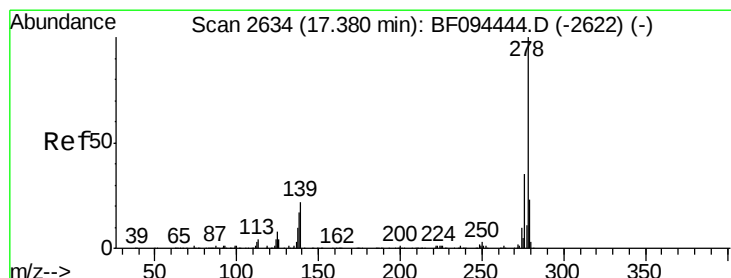
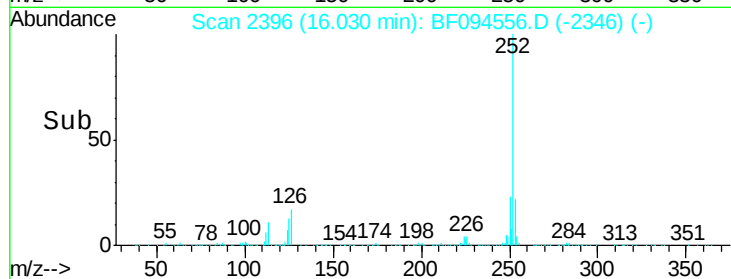
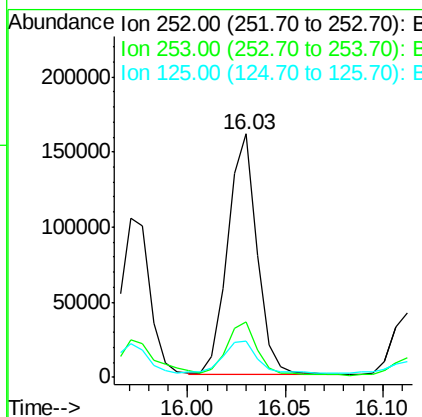
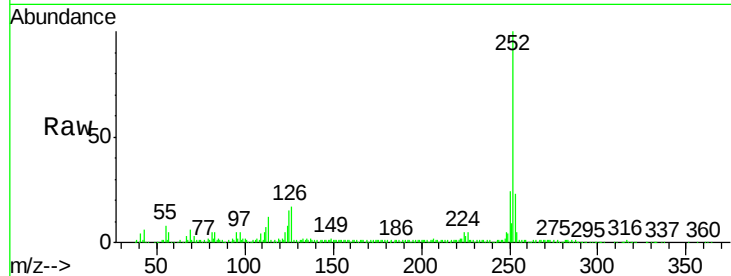
#89
Benzo(a)pyrene
Concen: 11.86 ng
RT: 16.03 min Scan# 2396
Delta R.T. -0.00 min
Lab File: BF094556.D
Acq: 20 Apr 2017 20:33

Instrument :
BNA_F
ClientSampleId :
E2-V6-NSW-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	15.0	11.0	16.4

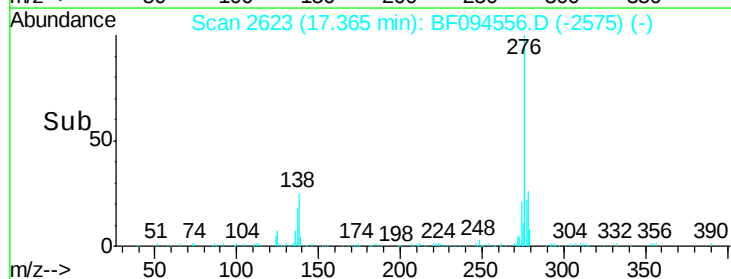
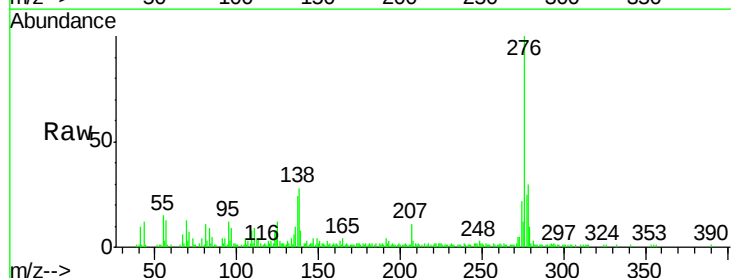
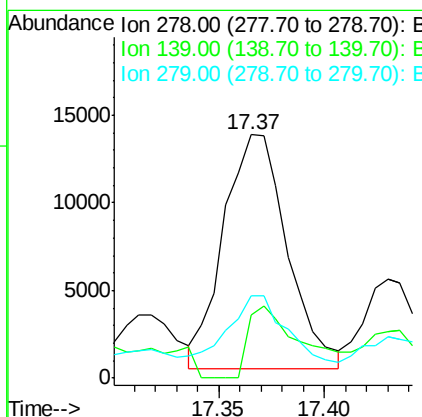
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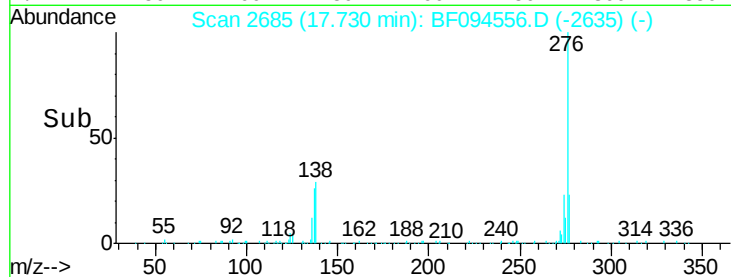
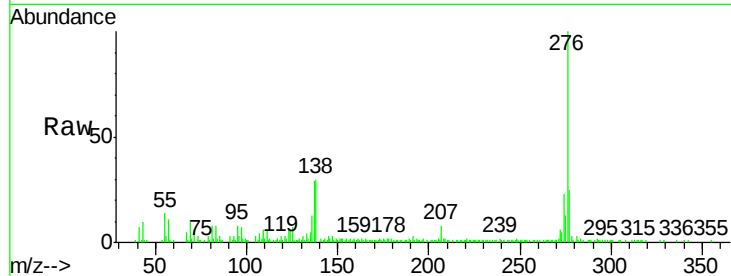
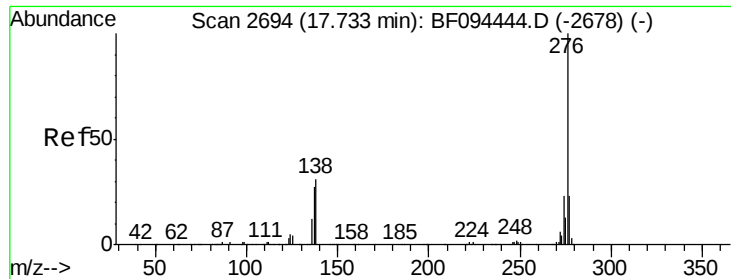
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#90
Dibenzo(a,h)anthracene
Concen: 2.38 ng
RT: 17.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: BF094556.D
Acq: 20 Apr 2017 20:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.0	16.6	24.8#
279	33.8	19.3	28.9#





#91

Benzo(a,h,i)perylene

Concen: 8.28 ng

RT: 17.73 min Scan# 2685

Delta R.T. -0.00 min

Lab File: BF094556.D

Acq: 20 Apr 2017 20:33

Tot Ion:	276	Resp:	98946
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.6	28.0
138	30.3	25.4	38.0

Instrument :

BNA_F

ClientSampleId :

E2-V6-NSW-02

Manual Integrations
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