

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
 Data File : BF112594.D
 Acq On : 15 Feb 2019 22:21
 Operator : JU/SJ
 Sample : K1486-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227

Manual Integrations
 APPROVED

Sohil
 2/18/2019 12:06:46 PM

Quant Time: Feb 16 00:31:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	98565	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	418854	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	202589	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	351842	20.00	ng	0.00
76) Chrysene-d12	14.02	240	243830	20.00	ng	0.00
87) Perylene-d12	15.49	264	182673	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	231910	49.98	ng	-0.01
7) Phenol-d6	6.48	99	300168	46.55	ng	-0.01
23) Nitrobenzene-d5	7.39	82	194788	26.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	91648	38.87	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	404201	28.22	ng	-0.02
79) Terphenyl-d14	12.94	244	329596	25.46	ng	-0.01
Target Compounds						
70) Pentachlorophenol	11.20	266	4317	2.499	ng	Qvalue 92
71) Phenanthrene	11.39	178	242491	13.257	ng	97
72) Anthracene	11.44	178	56038	3.075	ng	99
75) Fluoranthene	12.58	202	377035	19.218	ng	98
78) Pyrene	12.81	202	342347	20.280	ng	97
81) Benzo(a)anthracene	14.00	228	152096	10.611	ng	98
83) Chrysene	14.04	228	146936	10.739	ng	98
86) Indeno(1,2,3-cd)pyrene	17.00	276	50870	4.692	ng	# 91
88) Benzo(b)fluoranthene	15.06	252	160545m	14.696	ng	
89) Benzo(k)fluoranthene	15.09	252	44752m	4.277	ng	
90) Benzo(a)pyrene	15.43	252	102791	10.457	ng	# 98
92) Benzo(a,h,i)perylene	17.45	276	48834	6.534	ng	96

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

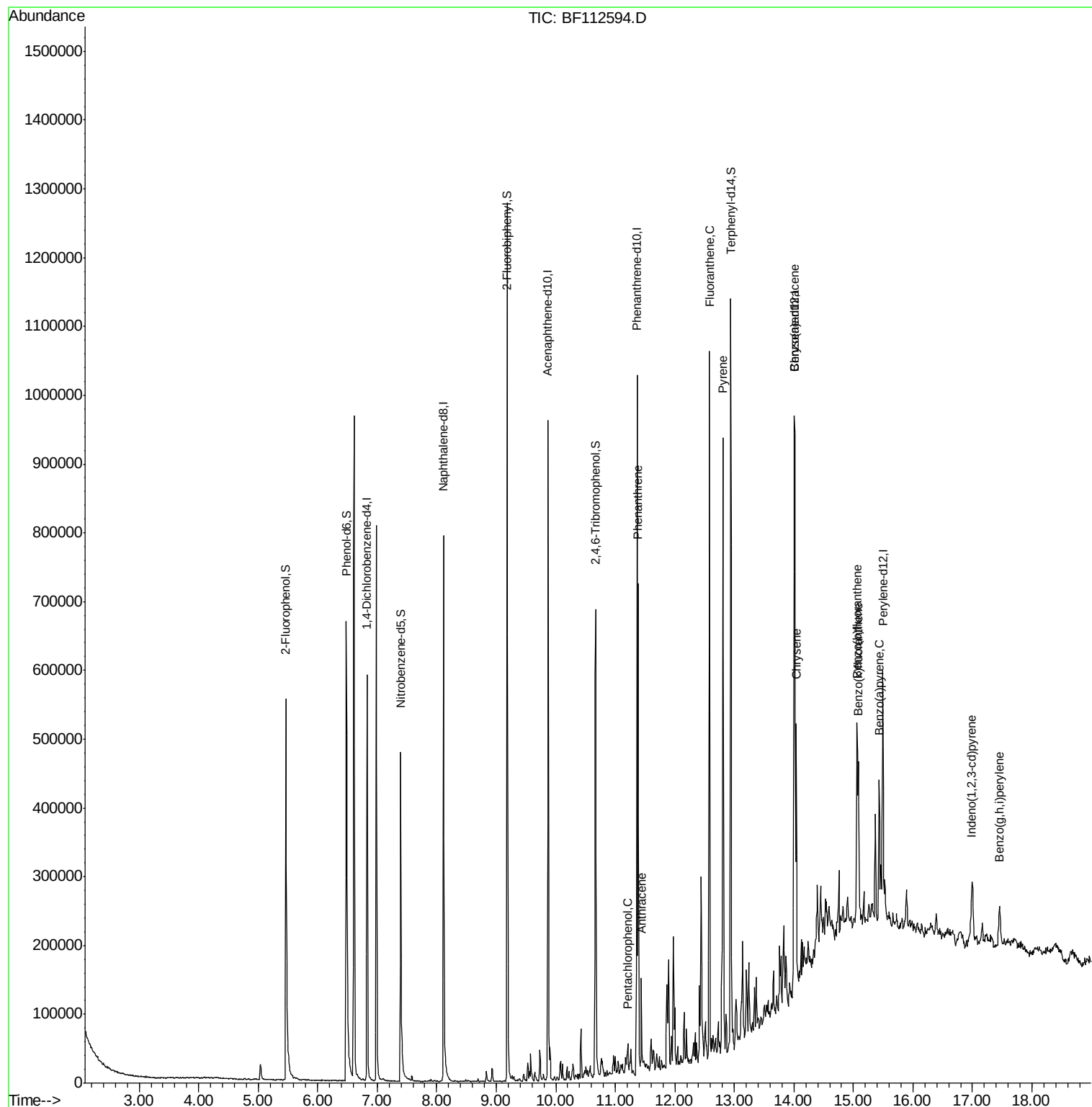
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
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Misc :
ALS Vial : 18 Sample Multiplier: 1

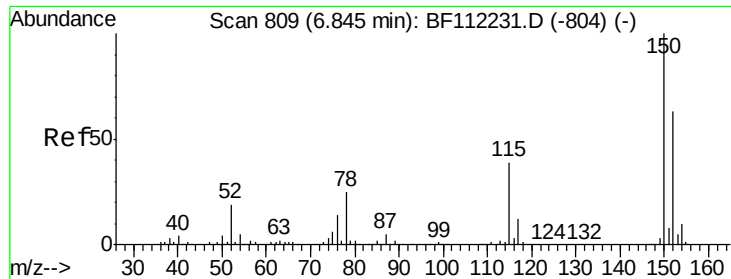
Instrument :
BNA_F
ClientSampled :
VNJ-227

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

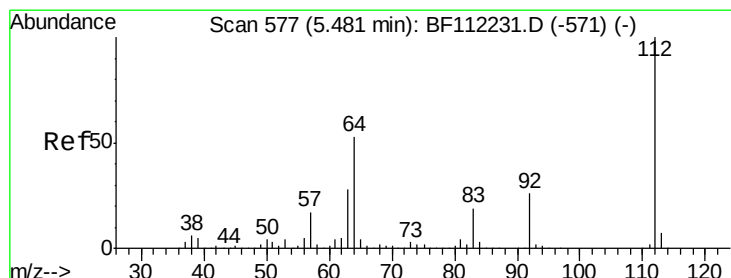
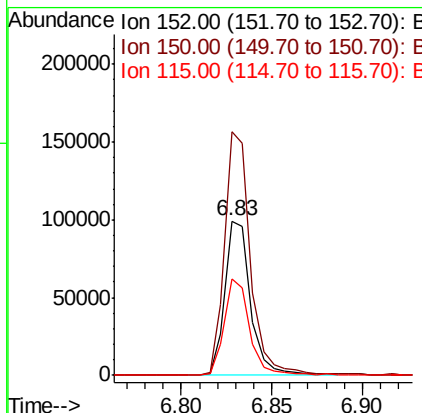
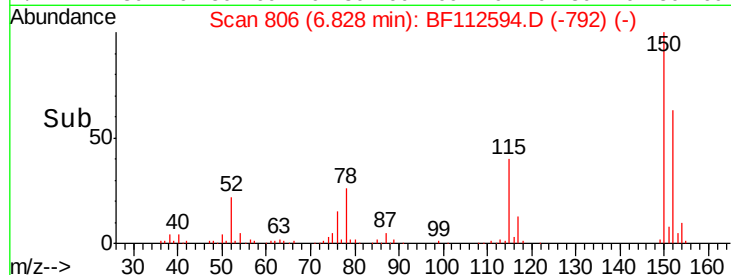
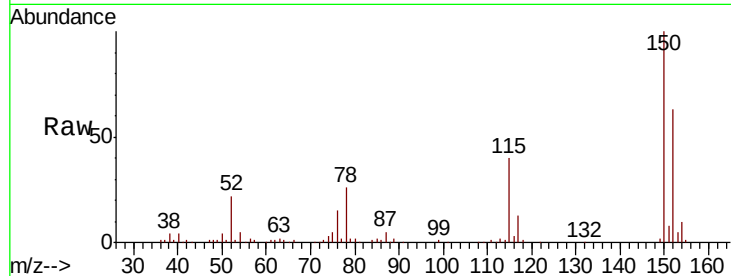
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF112594.D
Acq: 15 Feb 2019 22:21

Instrument :
BNA_F
ClientSampleId :
VNJ-227

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	127.4	191.0
115	62.9	45.5	68.3

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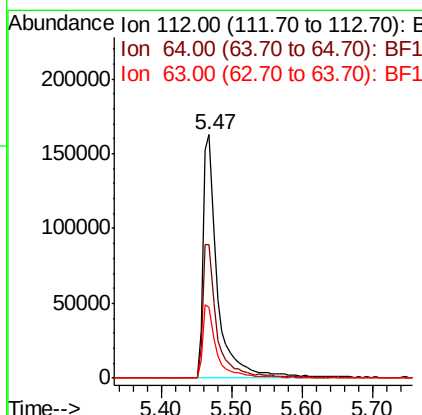
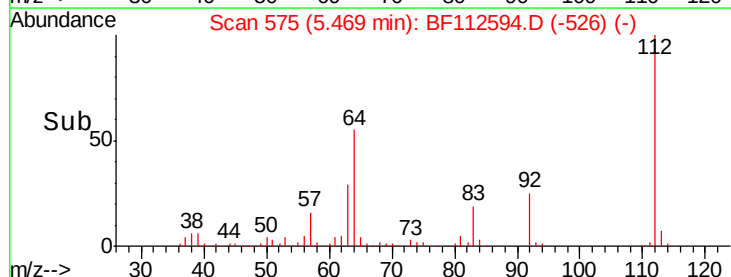
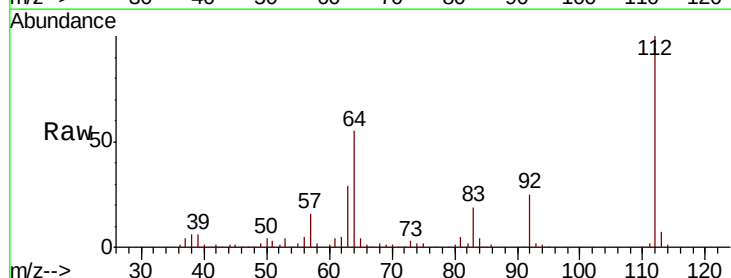
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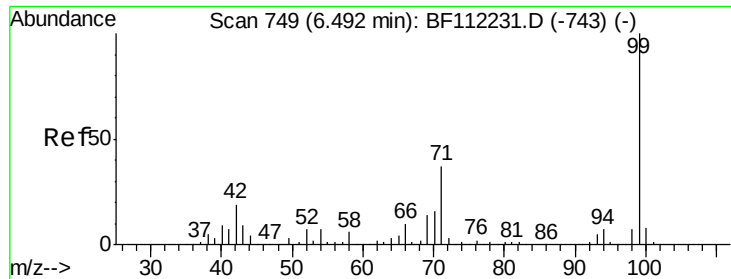


#5

2-Fluorophenol
Concen: 49.976 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112594.D
Acq: 15 Feb 2019 22:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	45.7	68.5
63	29.2	23.6	35.4





#7

Phenol-d6

Concen: 46.552 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Instrument :

BNA_F

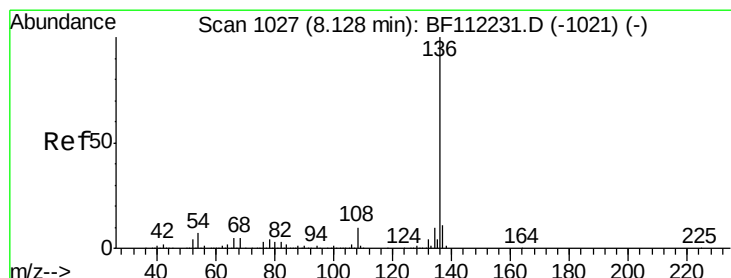
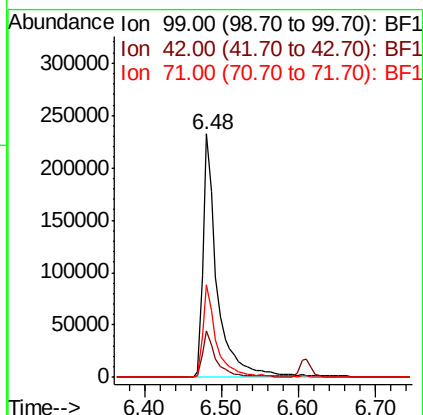
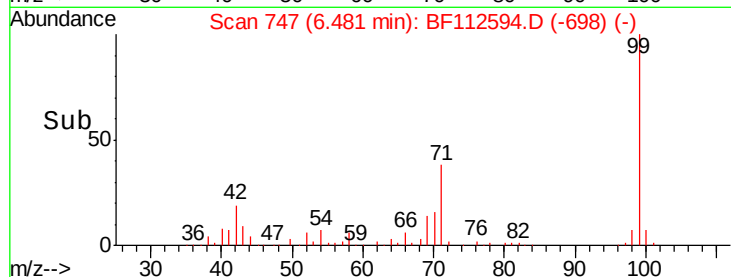
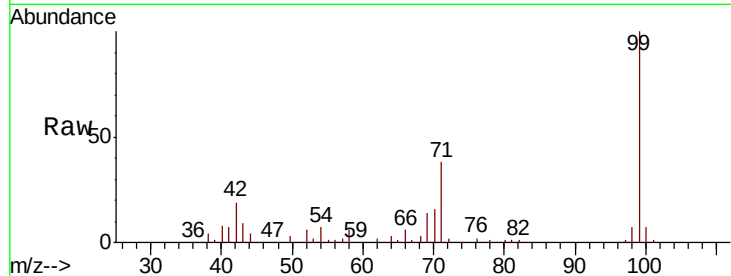
ClientSampleId :

VNJ-227

Tot Ion:	99	Resp:	300168
Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.1	22.7
71	38.0	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

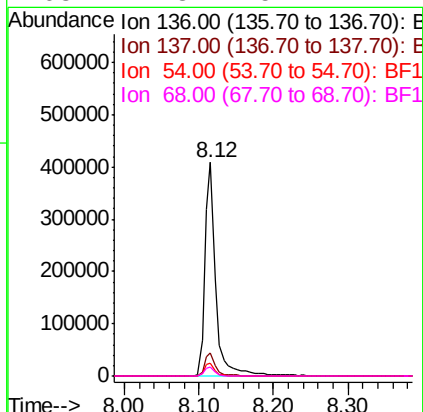
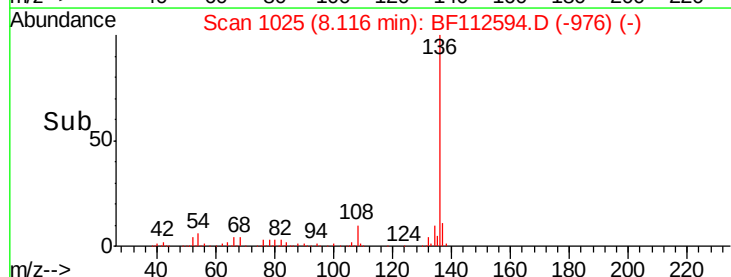
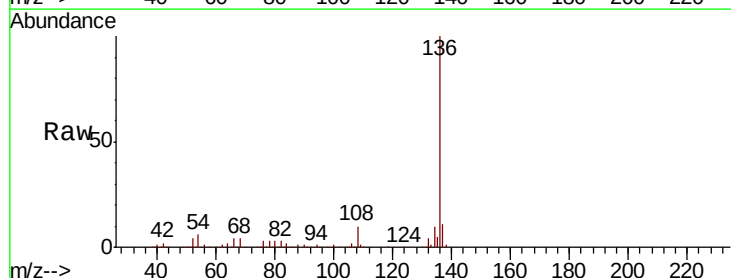
RT: 8.12 min Scan# 1025

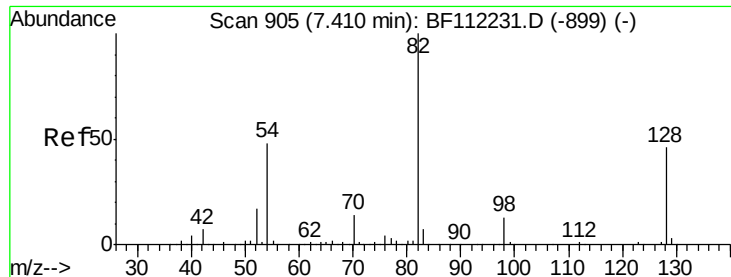
Delta R.T. -0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Tgt Ion:	136	Resp:	418854
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.8	5.9	8.9#
68	4.3	5.1	7.7#





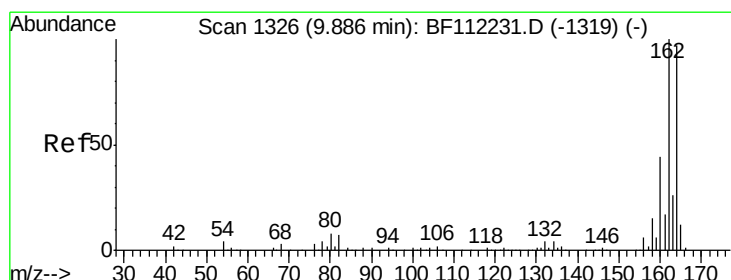
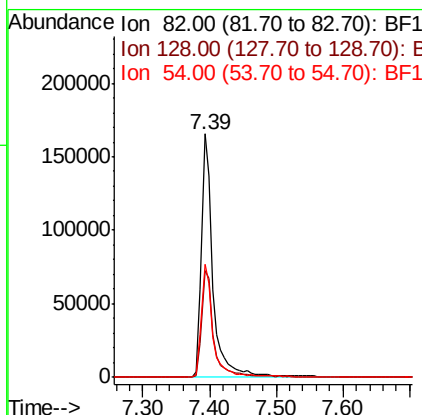
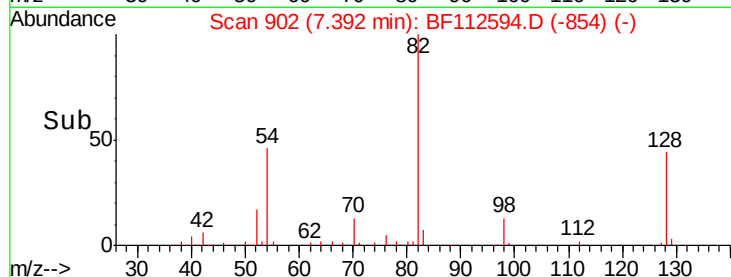
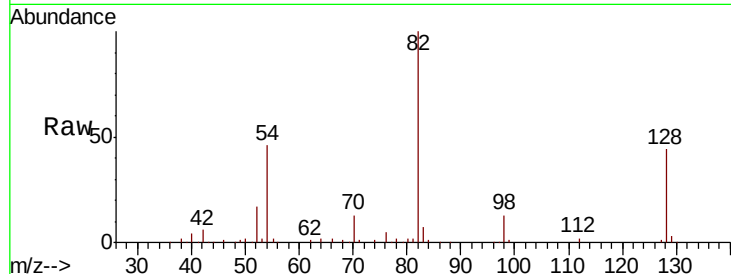
#23
 Nitrobenzene-d5
 Concen: 26.796 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.02 min
 Lab File: BF112594.D
 Acq: 15 Feb 2019 22:21

Instrument :
 BNA_F
 ClientSampled :
 VNJ-227

Tot Ion	82	Resp	194788
Ion Ratio	100	Lower	Upper
82	100		
128	43.7	37.8	56.8
54	46.3	39.7	59.5

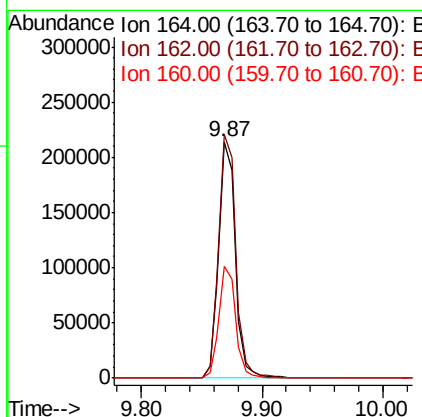
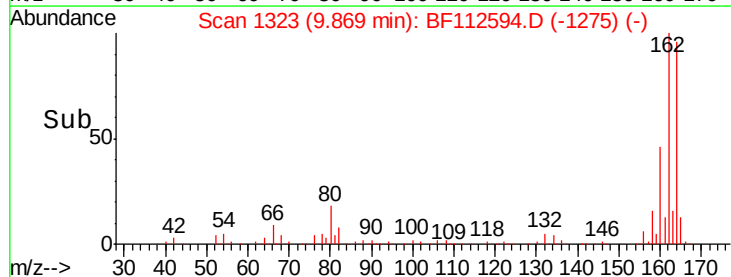
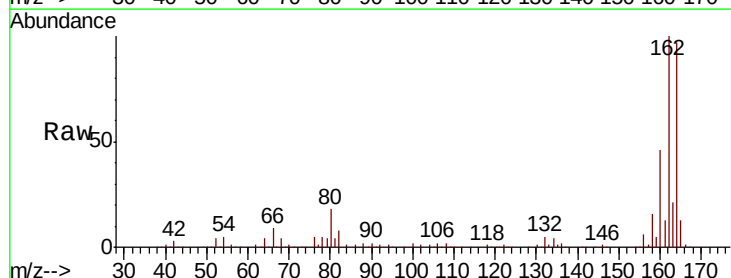
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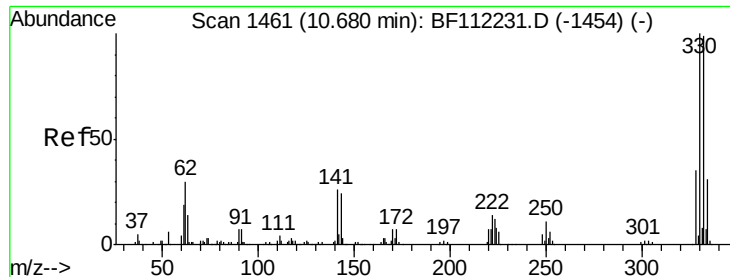
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112594.D
 Acq: 15 Feb 2019 22:21

Tgt Ion	164	Resp	202589
Ion Ratio	100	Lower	Upper
164	100		
162	103.0	82.2	123.4
160	47.5	36.2	54.4





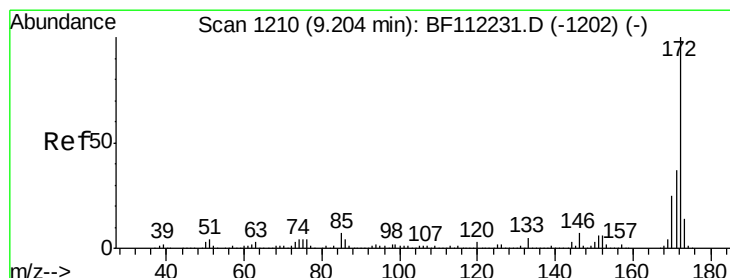
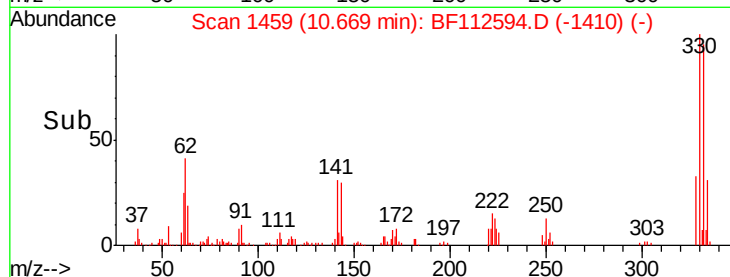
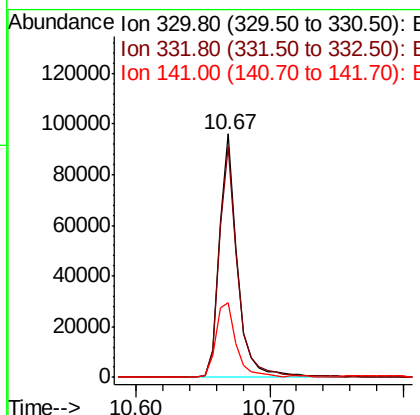
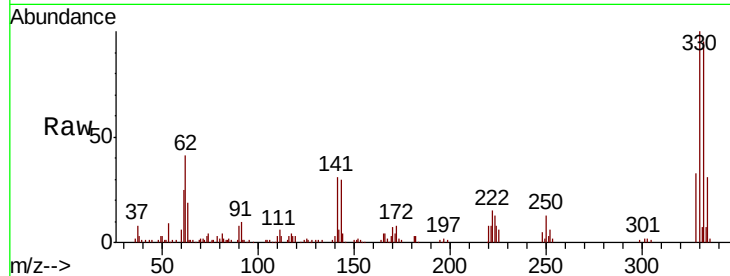
#42
 2,4,6-Tribromophenol
 Concen: 38.866 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112594.D
 Acq: 15 Feb 2019 22:21

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	114.8
141	35.6	24.3	36.5

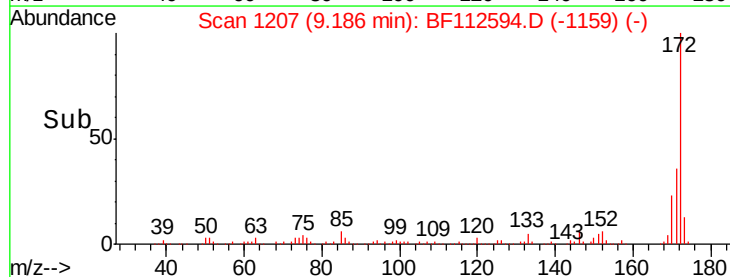
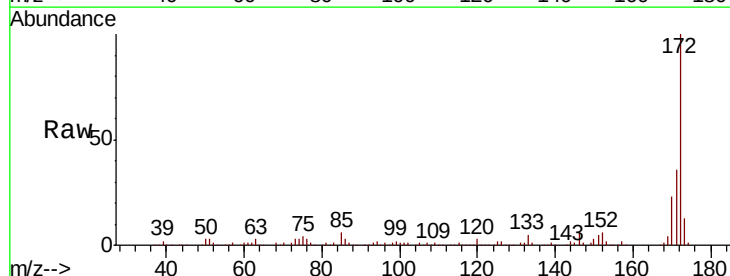
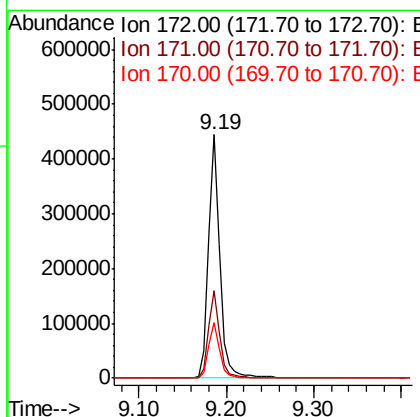
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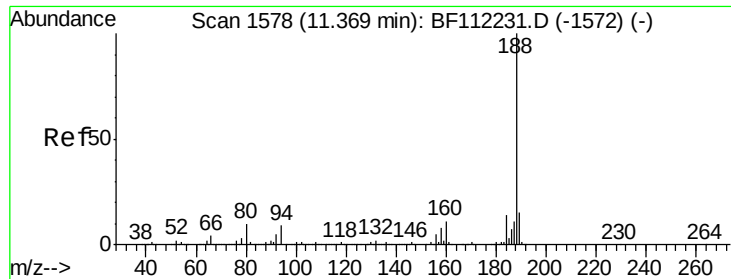
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#45
 2-Fluorobiphenyl
 Concen: 28.219 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112594.D
 Acq: 15 Feb 2019 22:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.5	45.7
170	22.7	20.2	30.4





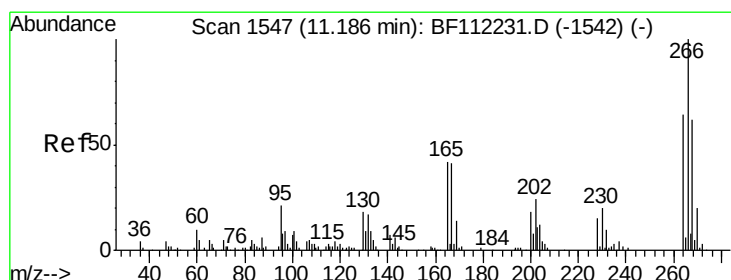
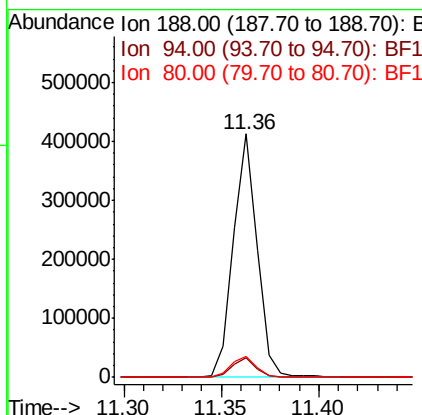
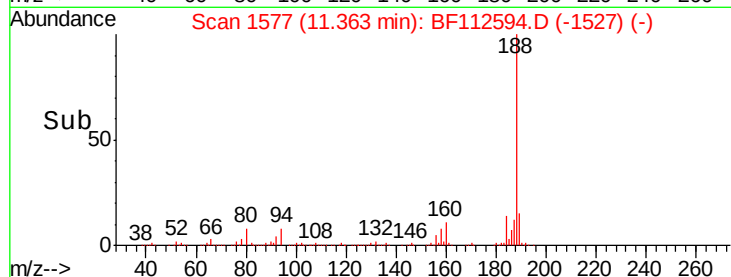
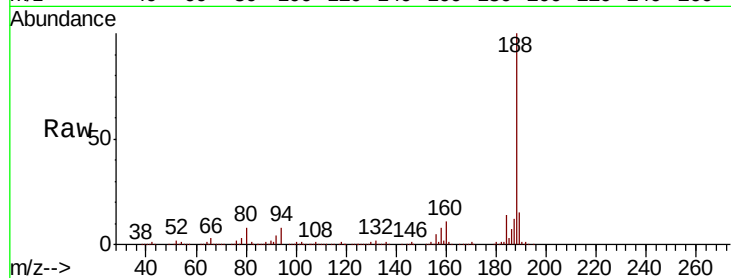
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112594.D
Acq: 15 Feb 2019 22:21

Instrument :
BNA_F
ClientSampled :
VNJ-227

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.8	8.2	12.2#
80	8.5	8.9	13.3#

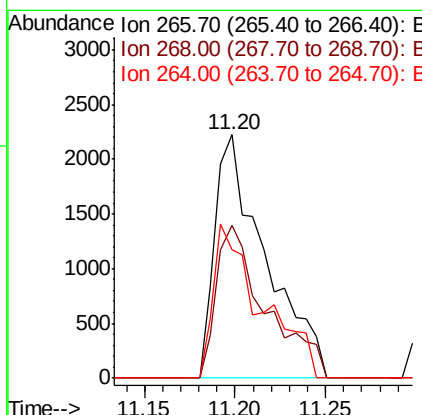
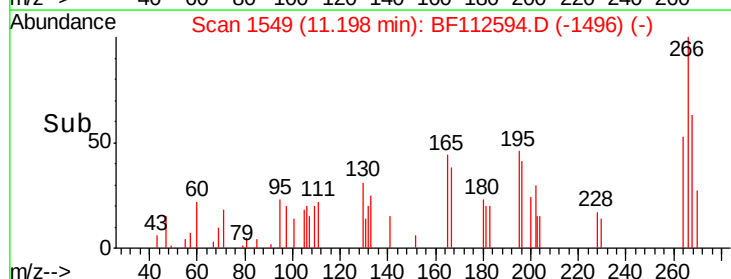
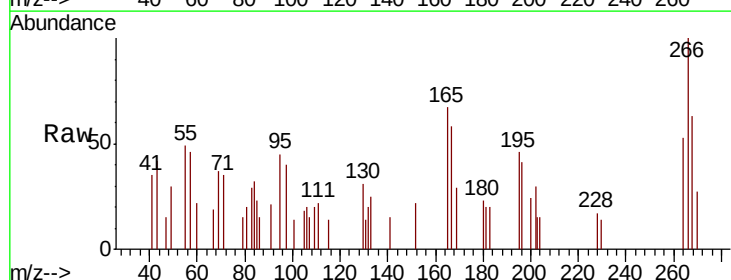
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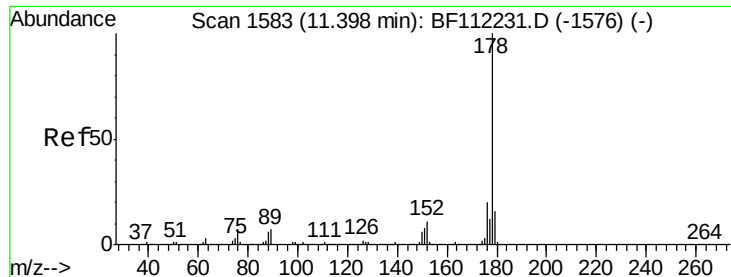
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#70
Pentachlorophenol
Concen: 2.499 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BF112594.D
Acq: 15 Feb 2019 22:21

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	62.7	51.2	76.8
264	52.7	50.9	76.3





#71

Phenanthrene

Concen: 13.257 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Instrument :

BNA_F

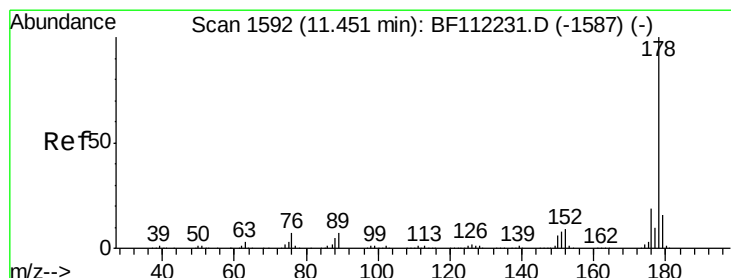
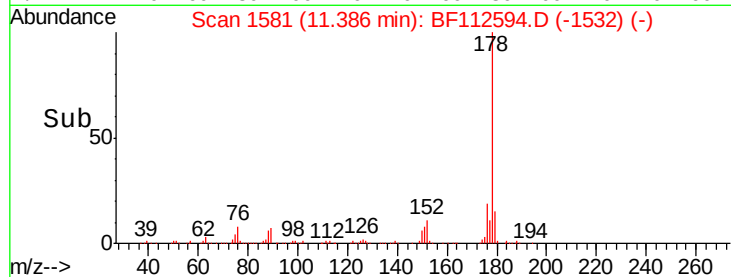
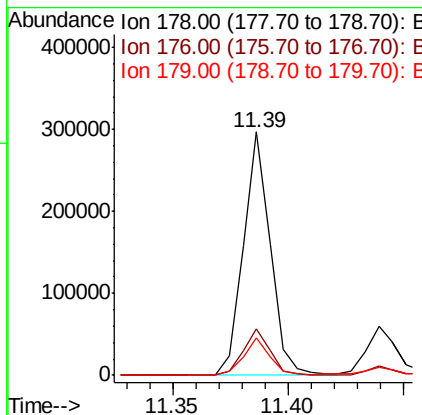
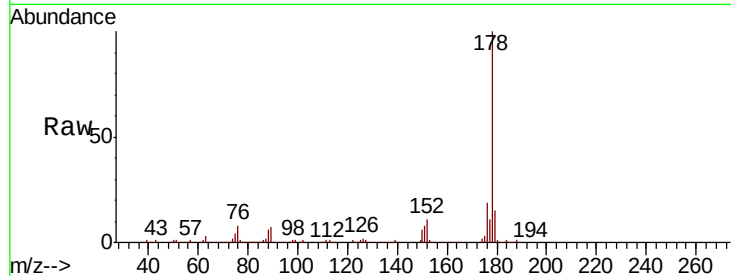
ClientSampleId :

VNJ-227

Tot Ion:	178	Resp:	242491
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.3	24.5
179	15.3	13.0	19.4

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#72

Anthracene

Concen: 3.075 ng

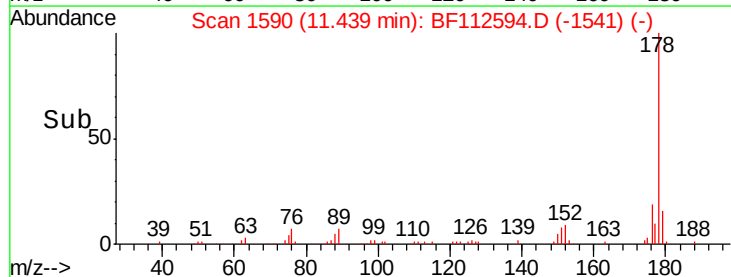
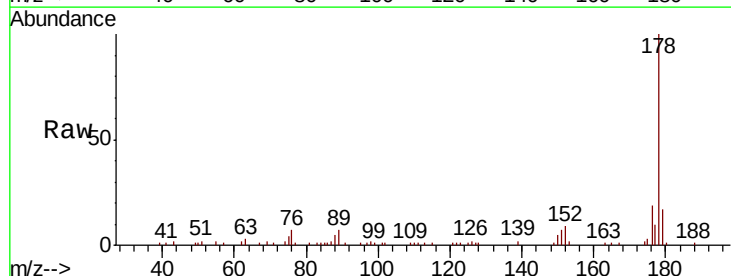
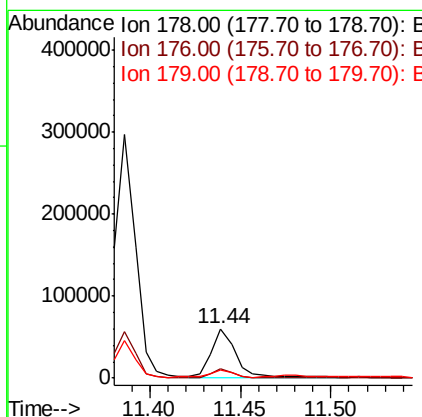
RT: 11.44 min Scan# 1590

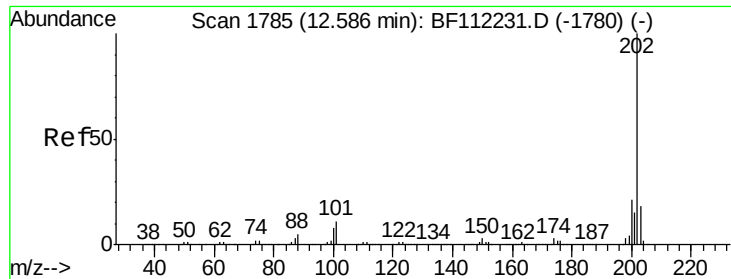
Delta R.T. -0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Tgt Ion:	178	Resp:	56038
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.5	23.3
179	16.7	12.8	19.2





#75

Fluoranthene

Concen: 19.218 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Instrument :

BNA_F

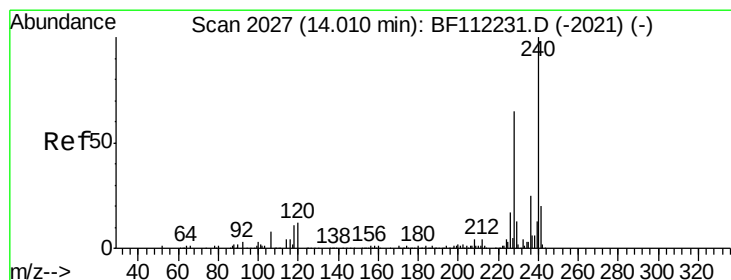
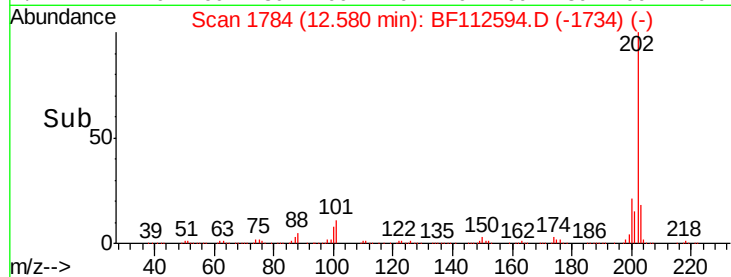
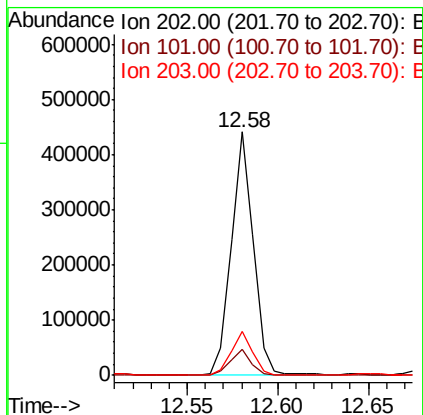
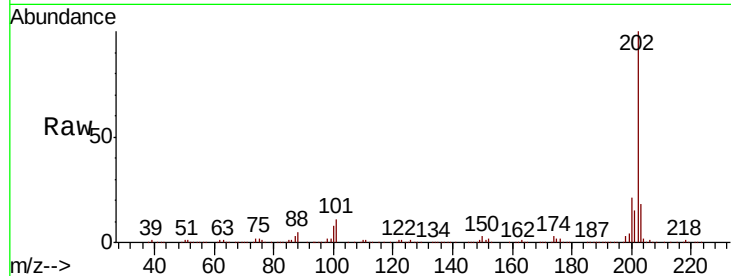
ClientSampleId :

VNJ-227

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.6	0.0	31.8
203	18.2	0.0	38.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

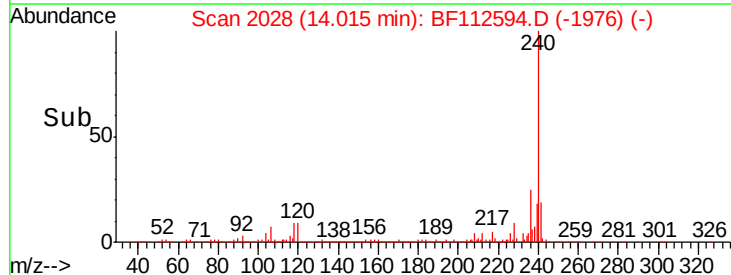
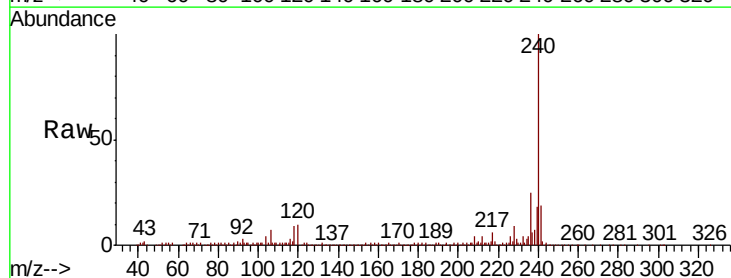
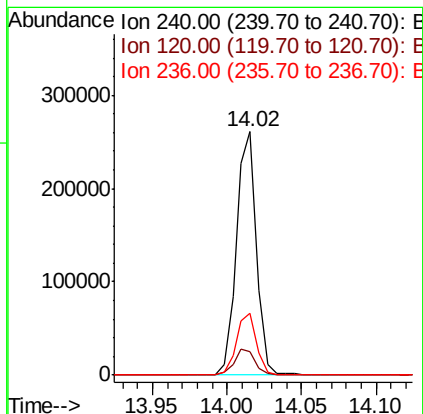
RT: 14.02 min Scan# 2028

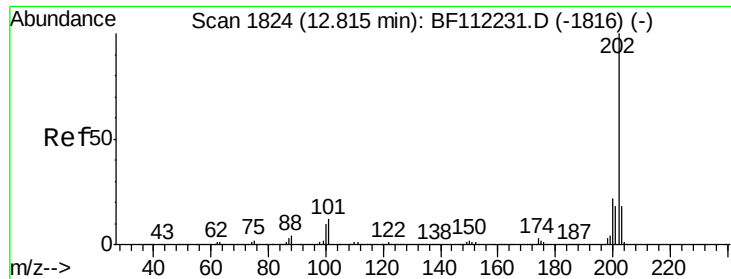
Delta R.T. 0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.5	9.0	13.6
236	25.2	20.7	31.1





#78

Pvrene

Concen: 20.280 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Instrument :

BNA_F

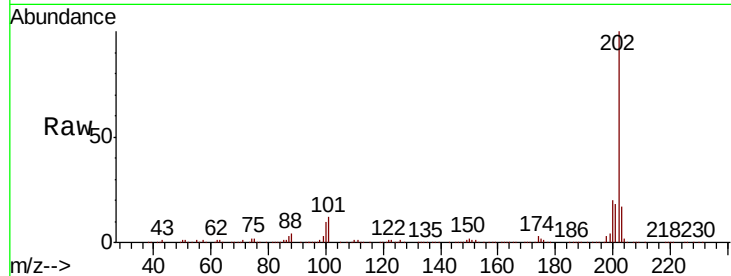
ClientSampled :

VNJ-227

Tot Ion:	202	Resp:	342347
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.7	26.5
203	17.3	14.6	22.0

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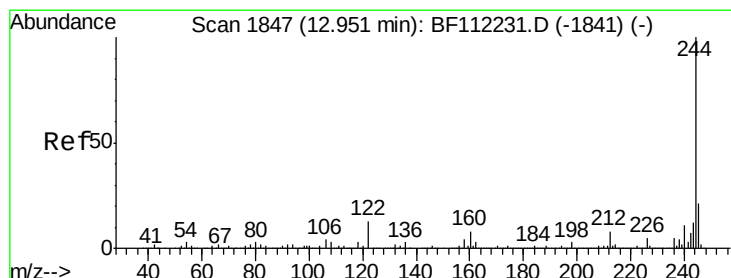
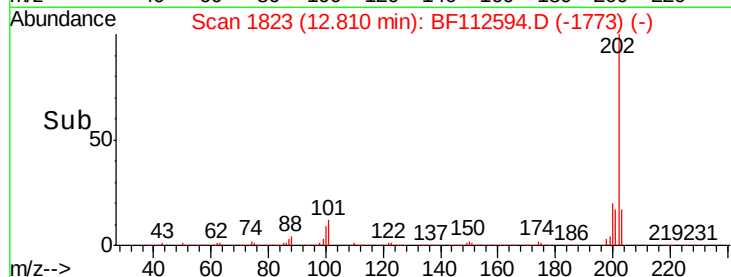
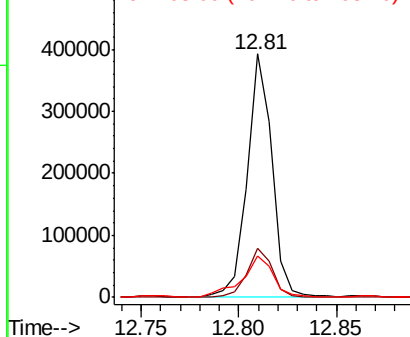


Abundance

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



#79

Terphenyl-d14

Concen: 25.459 ng

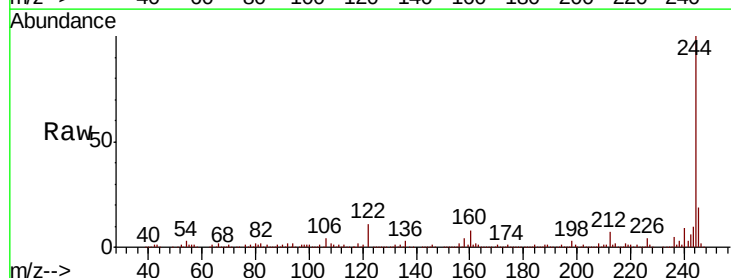
RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Tgt Ion:	244	Resp:	329596
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.9	8.9
122	10.9	9.8	14.6

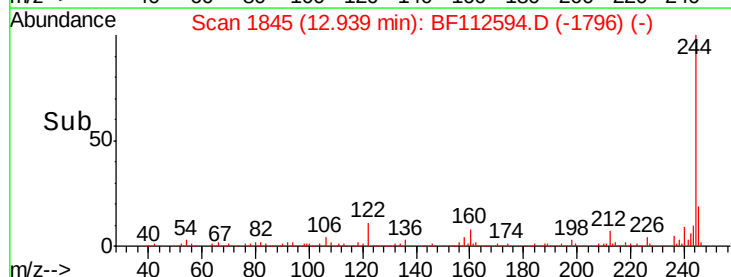
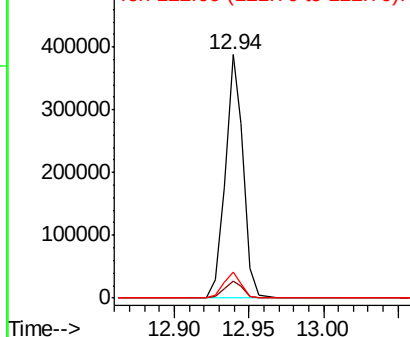


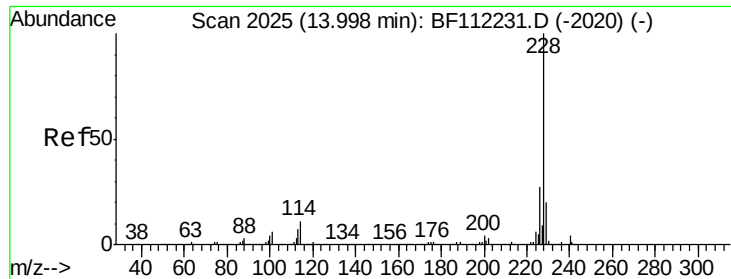
Abundance

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





#81

Benzo(a)anthracene

Concen: 10.611 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Instrument :

BNA_F

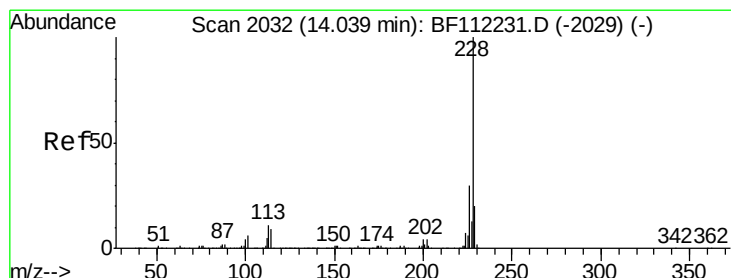
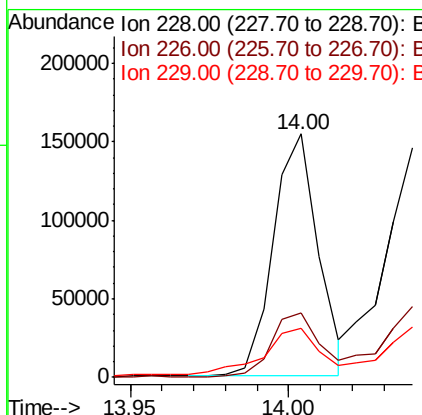
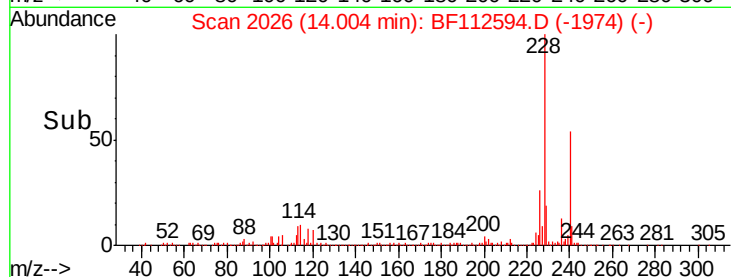
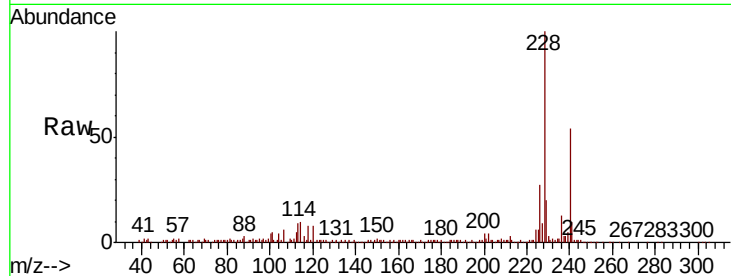
ClientSampleId :

VNJ-227

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.6	34.0
229	19.9	16.5	24.7

Manual Integrations
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#83

Chrysene

Concen: 10.739 ng

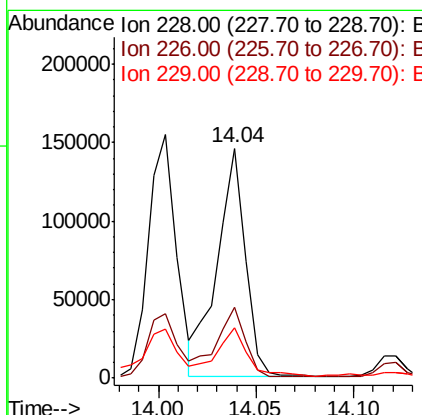
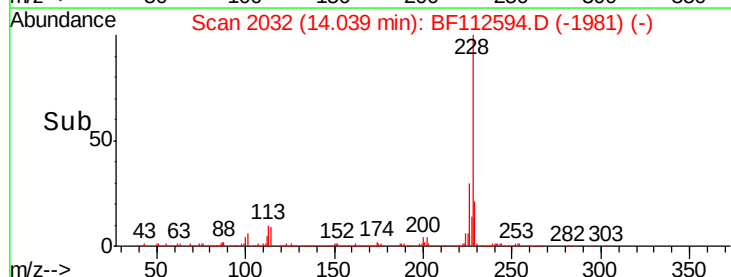
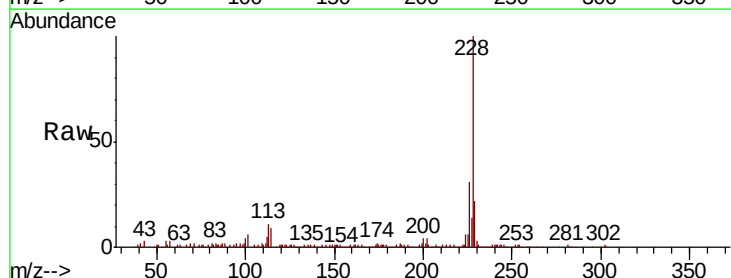
RT: 14.04 min Scan# 2032

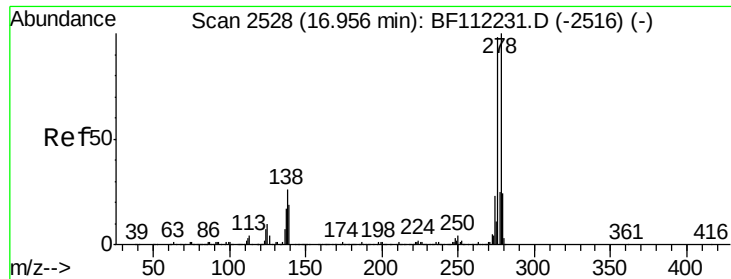
Delta R.T. 0.00 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	22.0	16.6	24.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.692 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.04 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Instrument :

BNA_F

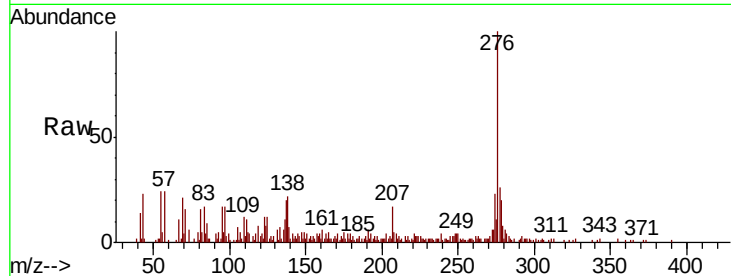
ClientSampled :

VNJ-227

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	22.6	34.0#
277	23.4	20.3	30.5

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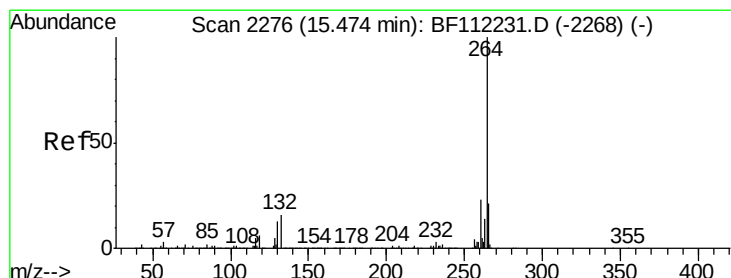
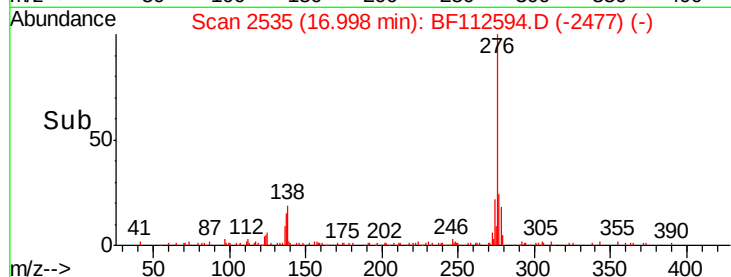
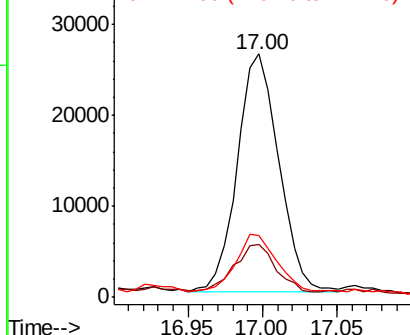


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.02 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

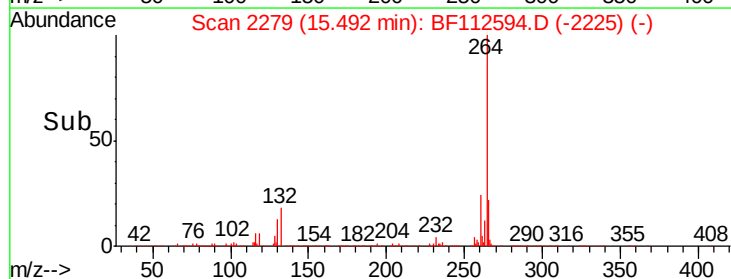
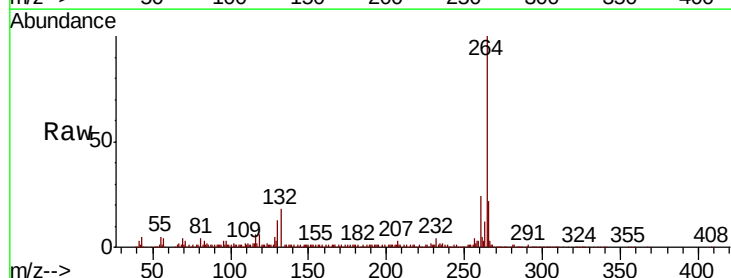
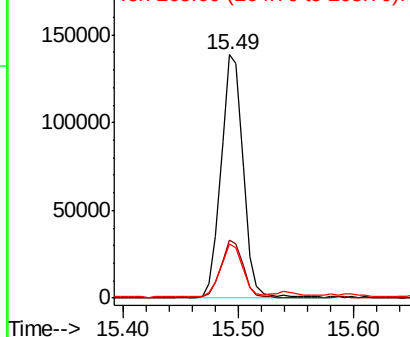
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	22.0	17.0	25.4

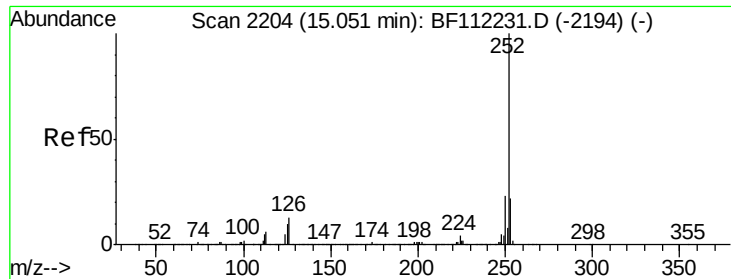
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





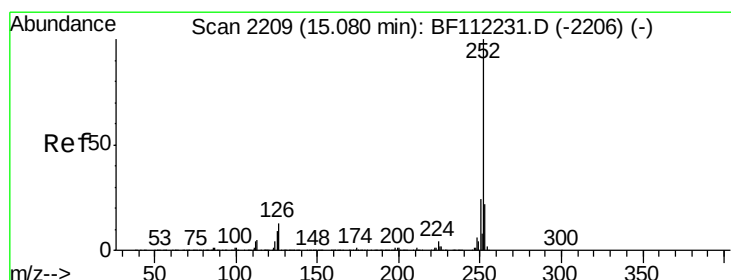
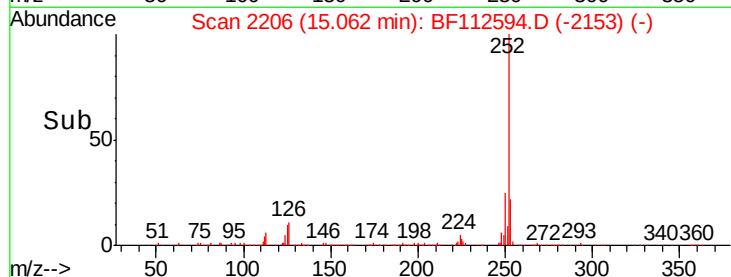
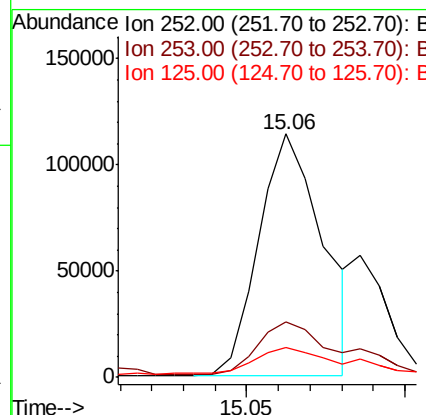
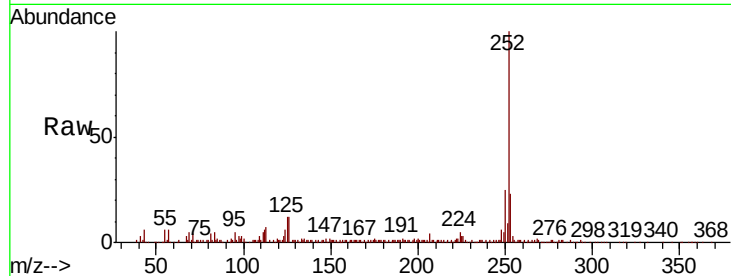
#88
Benzo(b)fluoranthene
Concen: 14.696 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112594.D
Acq: 15 Feb 2019 22:21

Instrument :
BNA_F
ClientSampled :
VNJ-227

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	12.0	8.7	13.1

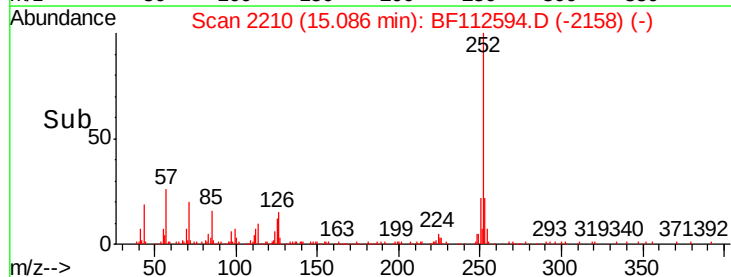
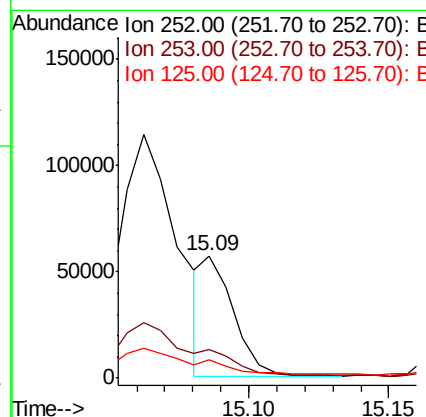
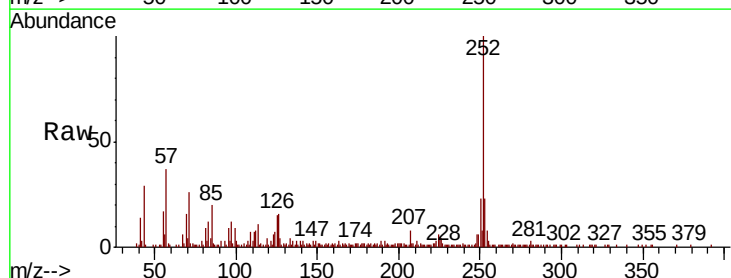
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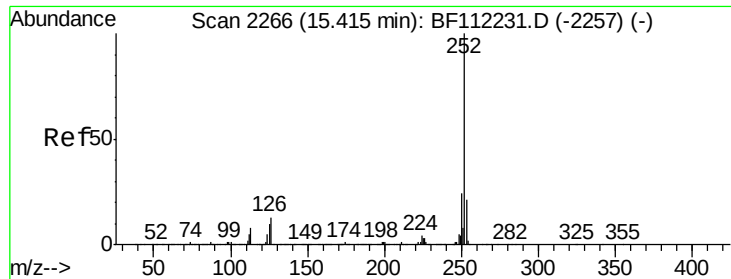
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#89
Benzo(k)fluoranthene
Concen: 4.277 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF112594.D
Acq: 15 Feb 2019 22:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	14.9	9.1	13.7#





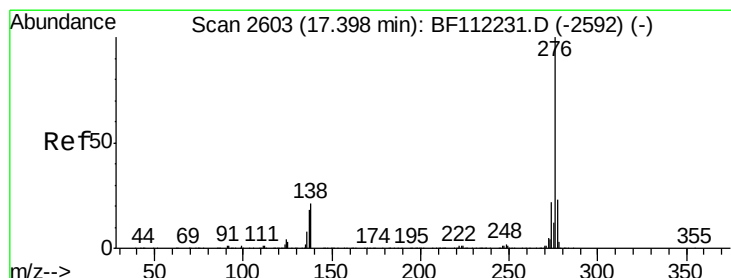
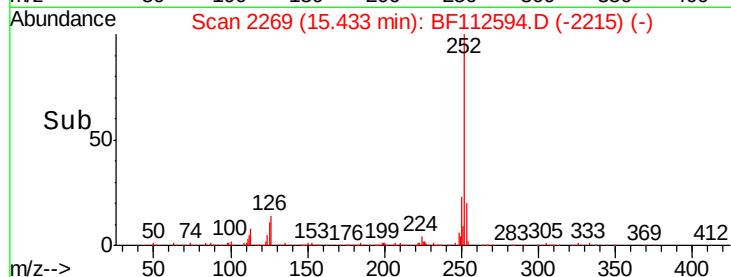
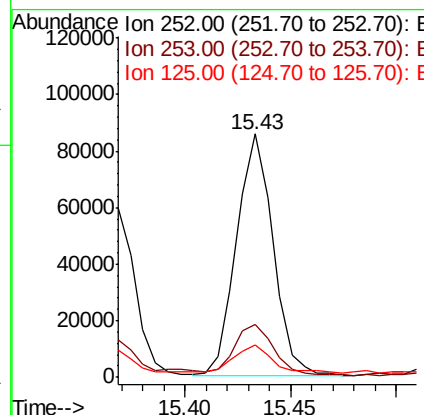
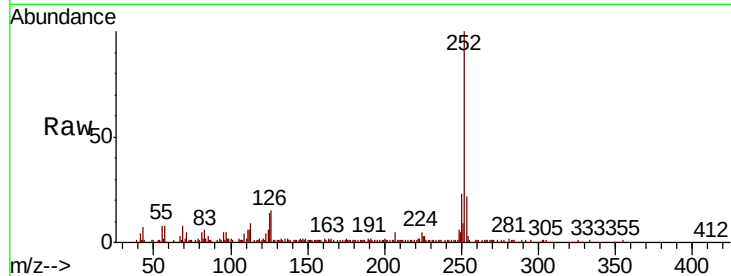
#90
Benzo(a)pyrene
Concen: 10.457 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF112594.D
Acq: 15 Feb 2019 22:21

Instrument :
BNA_F
ClientSampled :
VNJ-227

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.7	17.5	26.3
125	13.5	9.0	13.4

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.534 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.05 min
Lab File: BF112594.D
Acq: 15 Feb 2019 22:21

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	27.4	19.4	29.0
138	22.9	19.1	28.7

