Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\
Data File : BF084779.D
Acq On : 3 Feb 2016 8:03
Operator : SJ/IZ
Sample : H1313-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HSR-WC-24-012916

Quant Time: Feb 03 09:47:27 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 01 14:55:11 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	180617	20.00	ng		-0.03
21) Naphthalene-d8	7.98	136	798410	20.00	ng		-0.03
38) Acenaphthene-d10	9.73	164	374784	20.00	ng		-0.03
63) Phenanthrene-d10	11.21	188	693379	20.00	ng		-0.03
75) Chrysene-d12	13.85	240	493439	20.00	ng		-0.02
86) Perylene-d12	15.22	264	364033	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.31	112	1451580	125.18	ng		0.00
7) Phenol-d6	6.35	99	1428943	99.40	ng		-0.02
23) Nitrobenzene-d5	7.26	82	1135634	80.13	ng		-0.03
41) 2,4,6-Tribromophenol	10.52	330	530501	135.70	ng		-0.03
44) 2-Fluorobiphenyl	9.07	172	2209265	110.17	ng		-0.02
78) Terphenyl-d14	12.81	244	2118160	97.27	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.01	128	146455	3.66	ng		97
76) Benzidine	12.56	184	53929	8.96	ng	#	93

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

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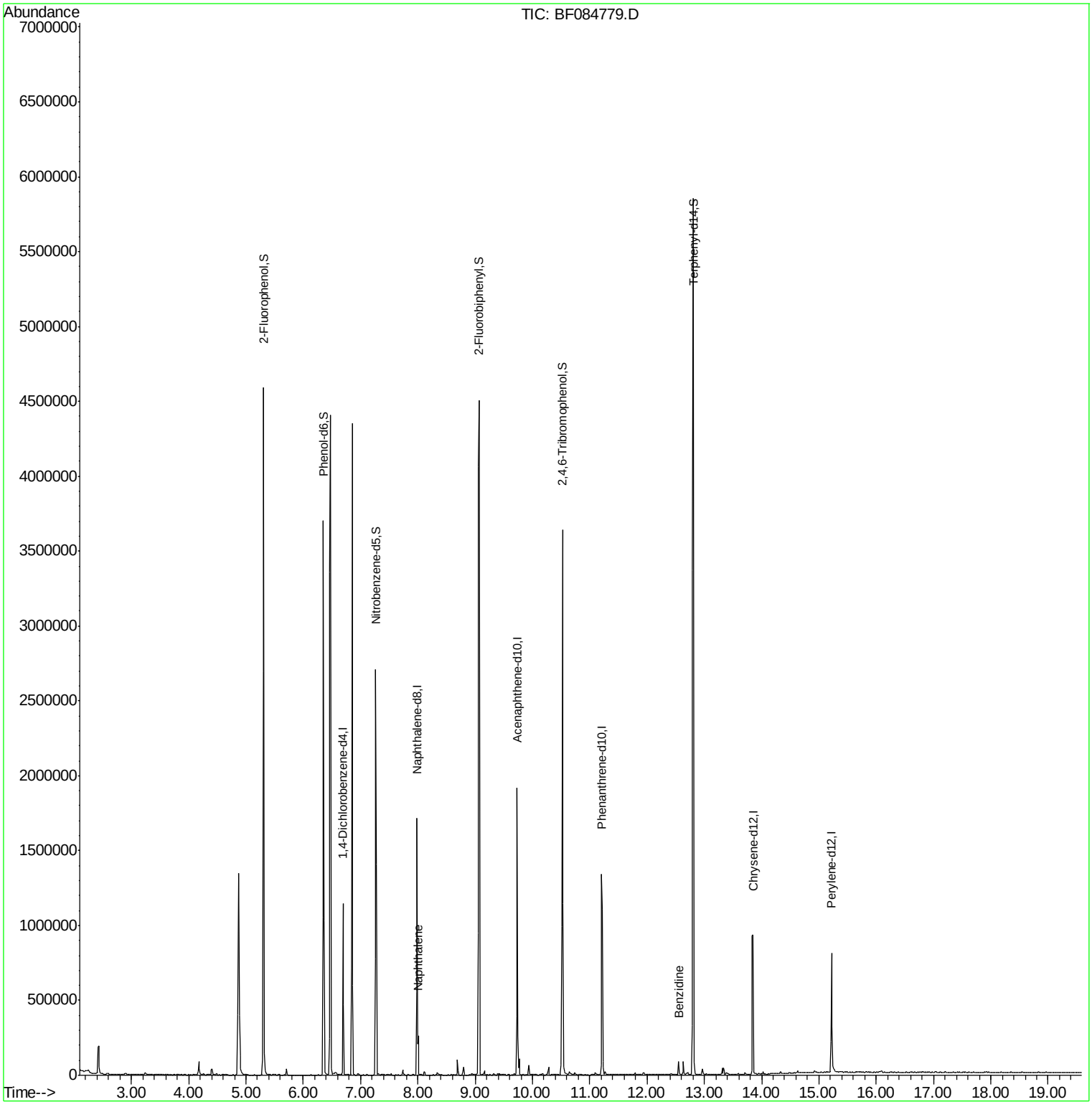
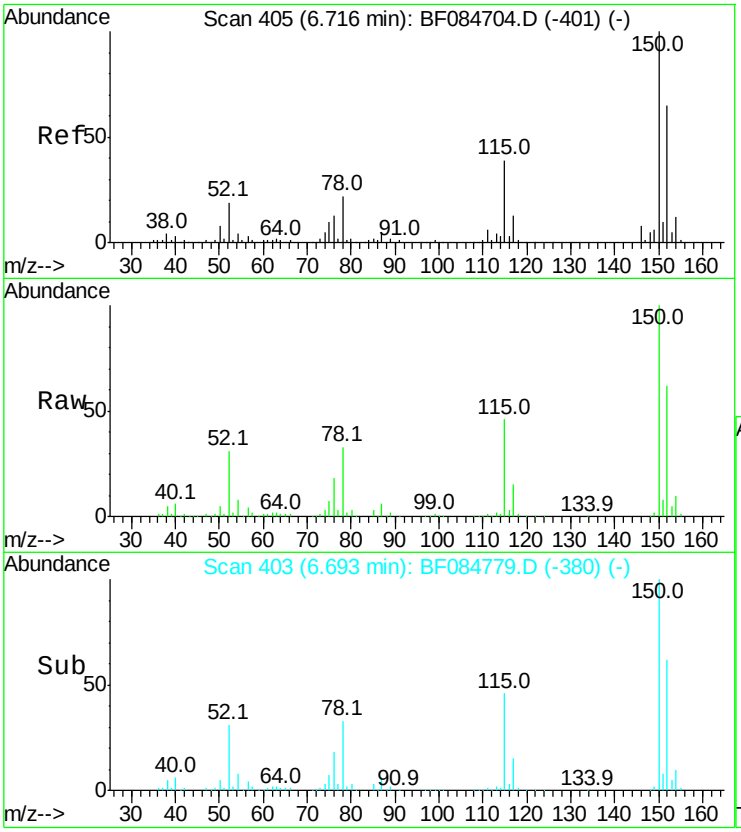


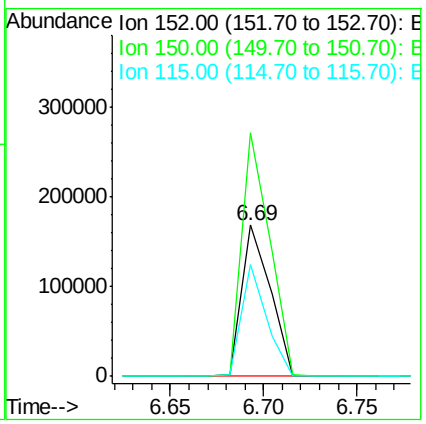


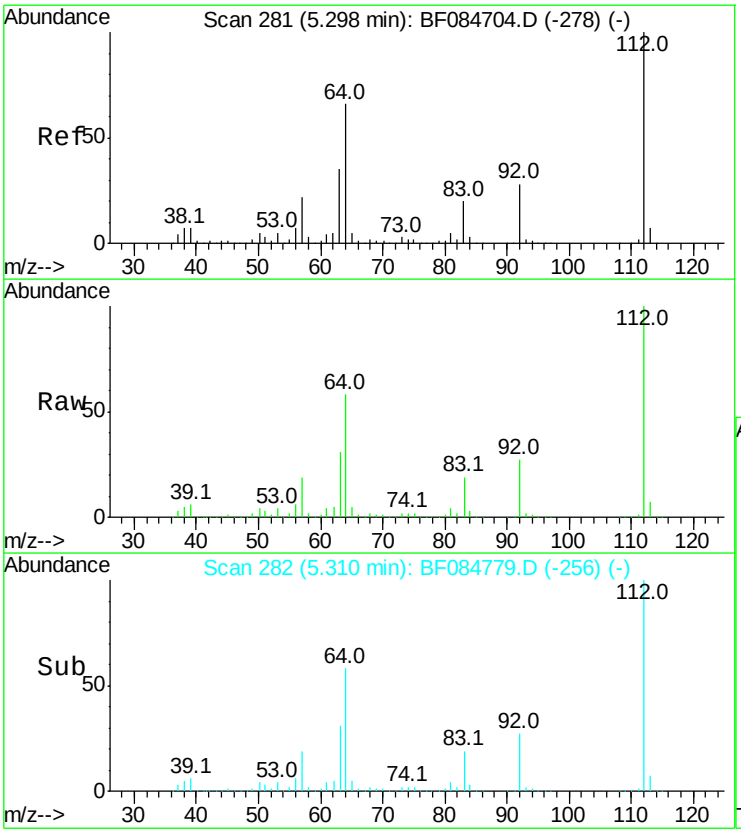
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 403
Delta R.T. -0.03 min
Lab File: BF084779.D
Acq: 3 Feb 2016 8:03

Instrument :
BNA_F
ClientSampleId :
HSR-WC-24-012916

Tgt Ion:152 Resp: 180617

Ion	Ratio	Lower	Upper
152	100		
150	160.9	123.0	184.4
115	74.1	51.4	77.2

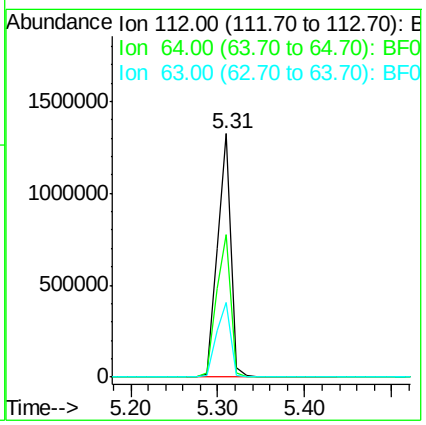


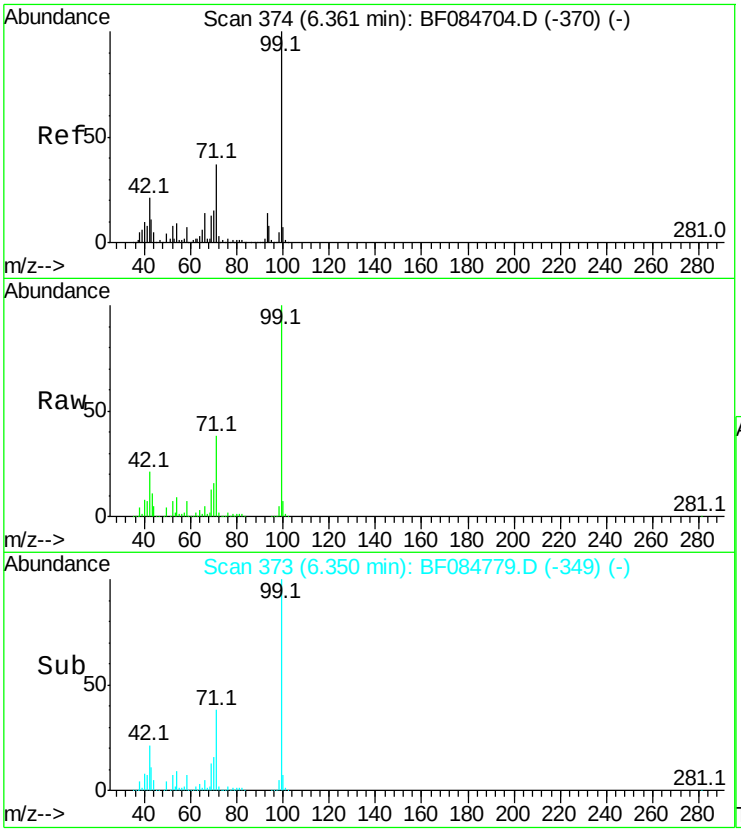


#5
2-Fluorophenol
Concen: 125.18 ng
RT: 5.31 min Scan# 282
Delta R.T. 0.00 min
Lab File: BF084779.D
Acq: 3 Feb 2016 8:03

Tgt Ion:112 Resp: 1451580

Ion	Ratio	Lower	Upper
112	100		
64	58.5	36.6	55.0#
63	30.8	19.4	29.0#



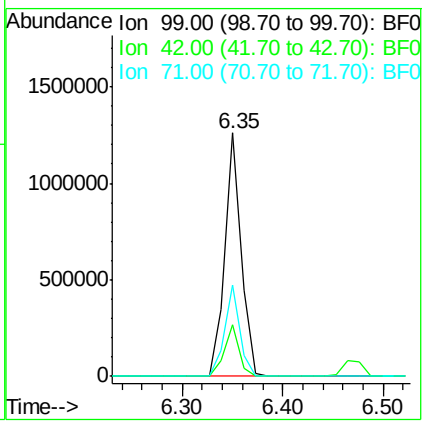


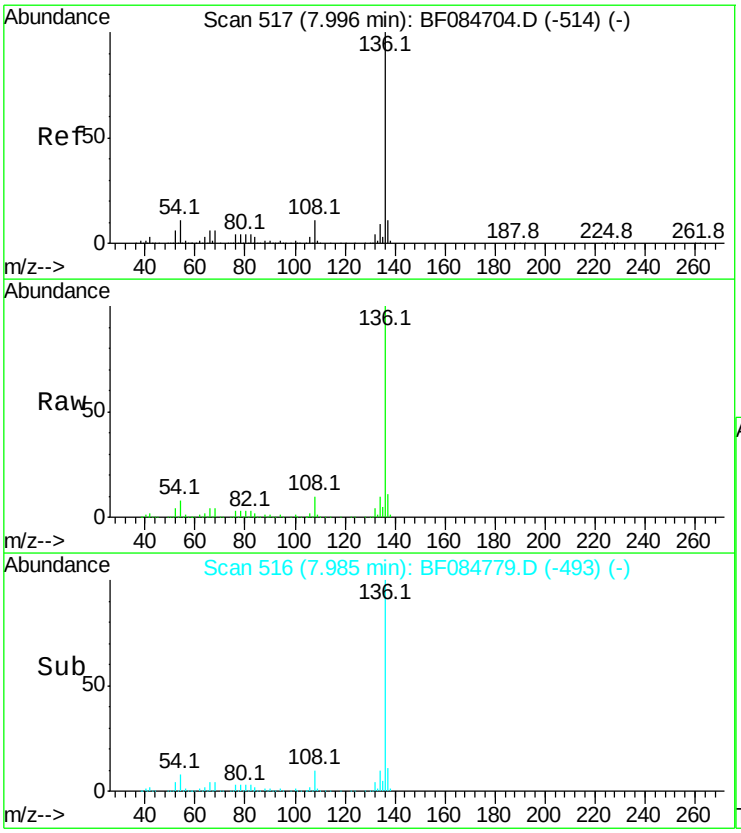
#7
Phenol-d6
Concen: 99.40 ng
RT: 6.35 min Scan# 373
Delta R.T. -0.02 min
Lab File: BF084779.D
Acq: 3 Feb 2016 8:03

Instrument :
BNA_F
ClientSampleId :
HSR-WC-24-012916

Tgt Ion: 99 Resp: 1428943

Ion	Ratio	Lower	Upper
99	100		
42	20.9	12.8	19.2#
71	37.7	30.9	46.3

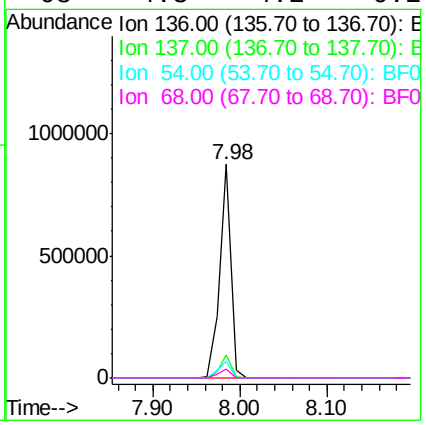


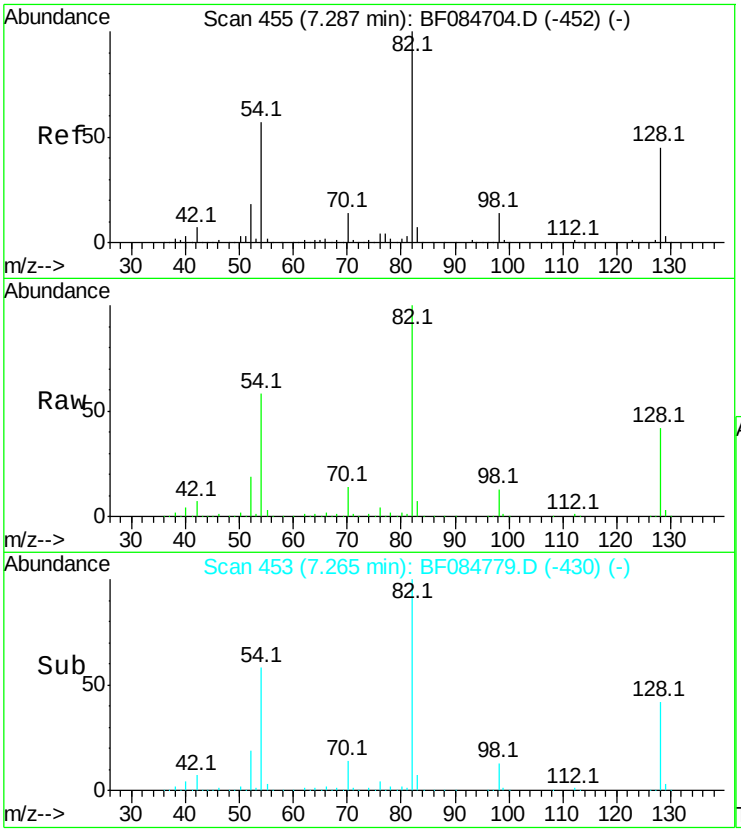


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.03 min
Lab File: BF084779.D
Acq: 3 Feb 2016 8:03

Tgt Ion:136 Resp: 798410

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.6	5.8	8.8
68	4.3	4.2	6.2



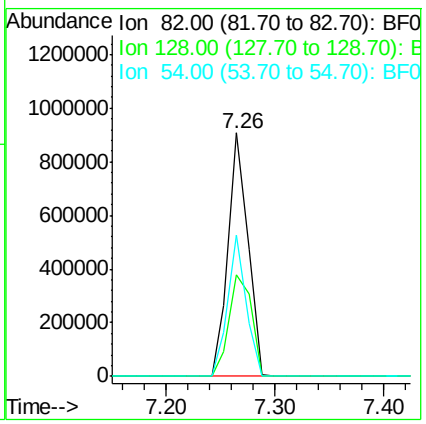


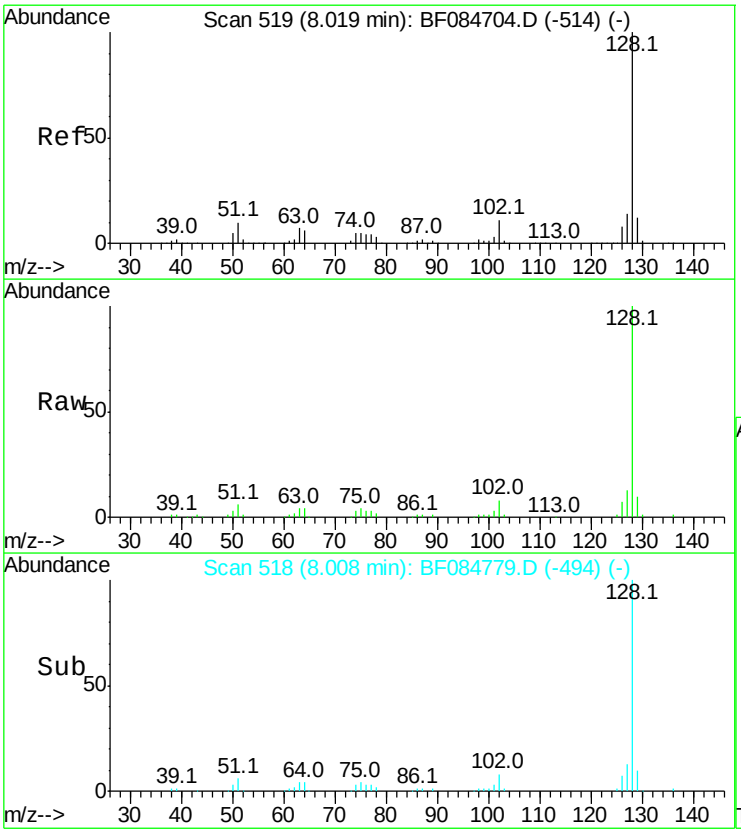
#23
Nitrobenzene-d5
Concen: 80.13 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.03 min
Lab File: BF084779.D
Acq: 3 Feb 2016 8:03

Instrument :
BNA_F
ClientSampleId :
HSR-WC-24-012916

Tgt Ion: 82 Resp: 1135634

Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.6	51.8
54	57.9	38.4	57.6#

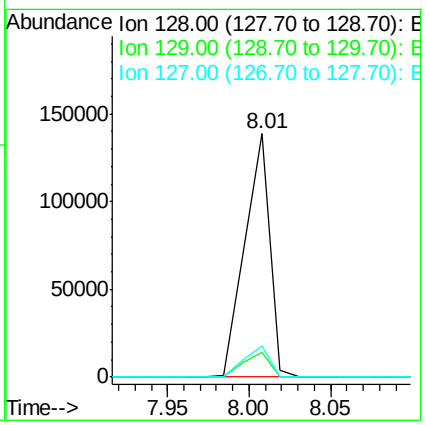


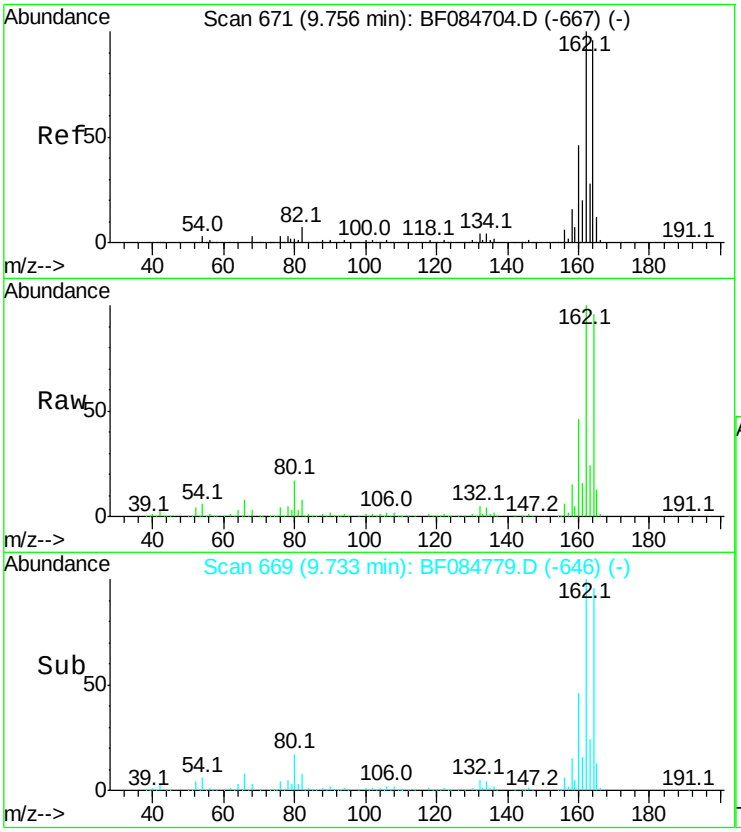


#31
Naphthalene
Concen: 3.66 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF084779.D
Acq: 3 Feb 2016 8:03

Tgt Ion:128 Resp: 146455

Ion	Ratio	Lower	Upper
128	100		
129	10.3	9.1	13.7
127	13.0	11.1	16.7



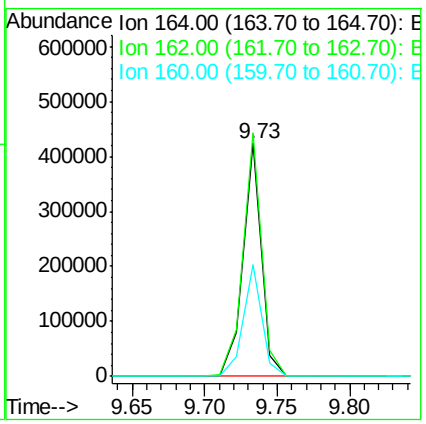


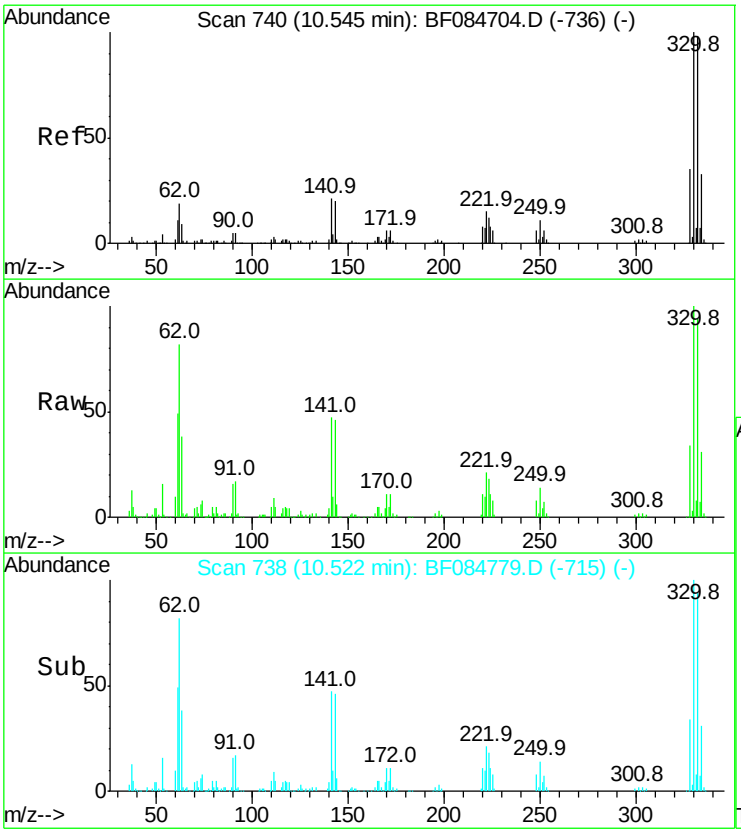
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.03 min
Lab File: BF084779.D
Acq: 3 Feb 2016 8:03

Instrument :
BNA_F
ClientSampleId :
HSR-WC-24-012916

Tgt Ion:164 Resp: 374784

Ion	Ratio	Lower	Upper
164	100		
162	104.4	85.1	127.7
160	47.8	37.5	56.3

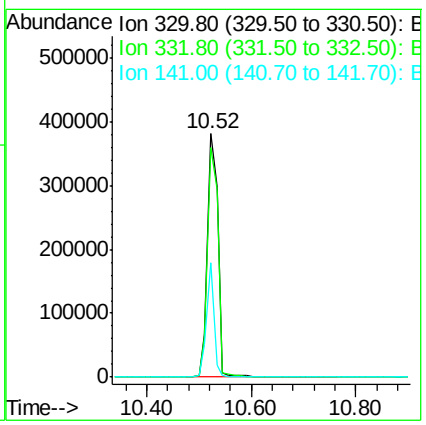


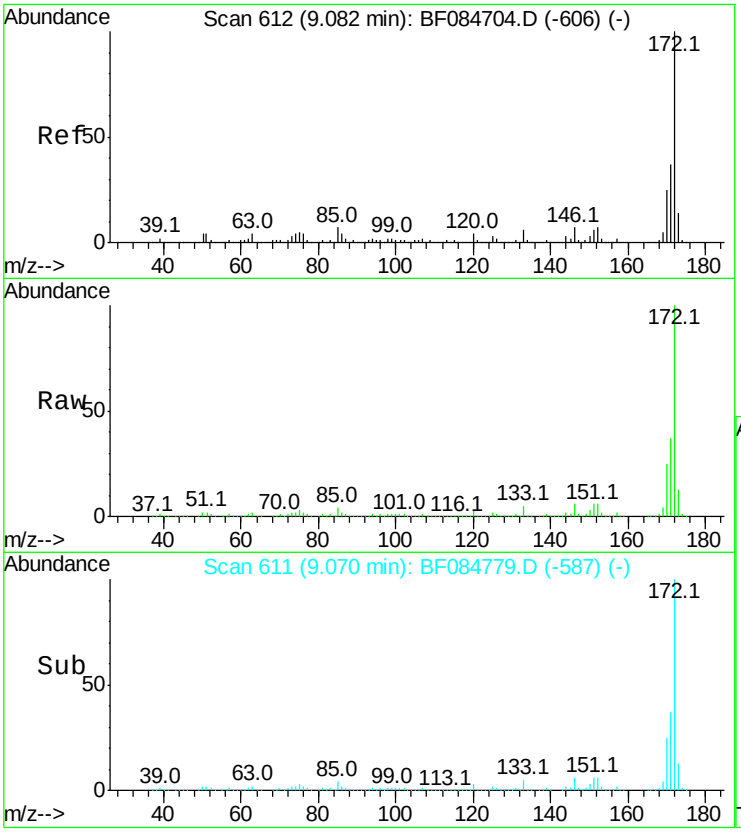


#41
2,4,6-Tribromophenol
Concen: 135.70 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.03 min
Lab File: BF084779.D
Acq: 3 Feb 2016 8:03

Tgt Ion:330 Resp: 530501

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	114.8
141	33.3	27.8	41.6



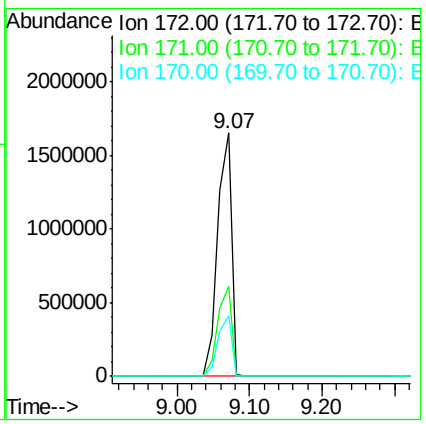


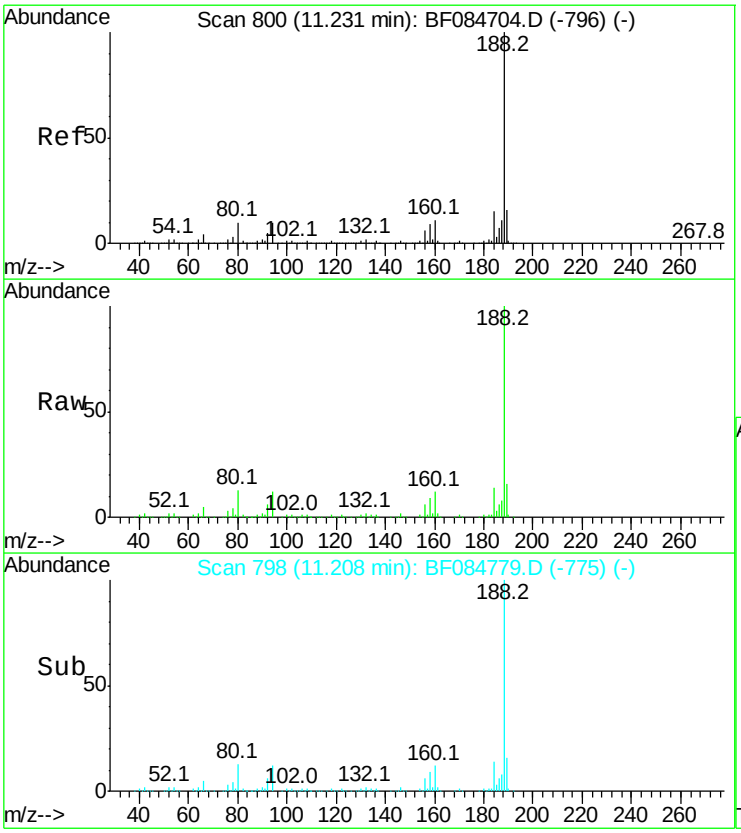
#44
2-Fluorobiphenyl
Concen: 110.17 ng
RT: 9.07 min Scan# 611
Delta R.T. -0.02 min
Lab File: BF084779.D
Acq: 3 Feb 2016 8:03

Instrument :
BNA_F
ClientSampleId :
HSR-WC-24-012916

Tgt Ion:172 Resp: 2209265

Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.9	43.3
170	25.0	18.6	27.8

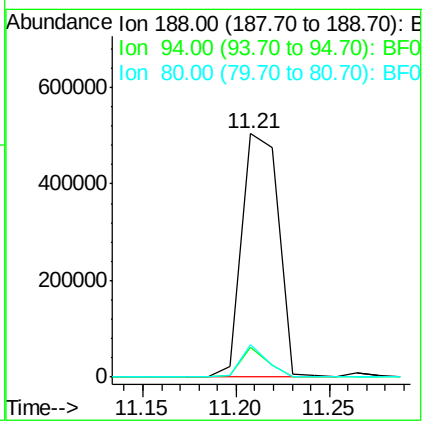


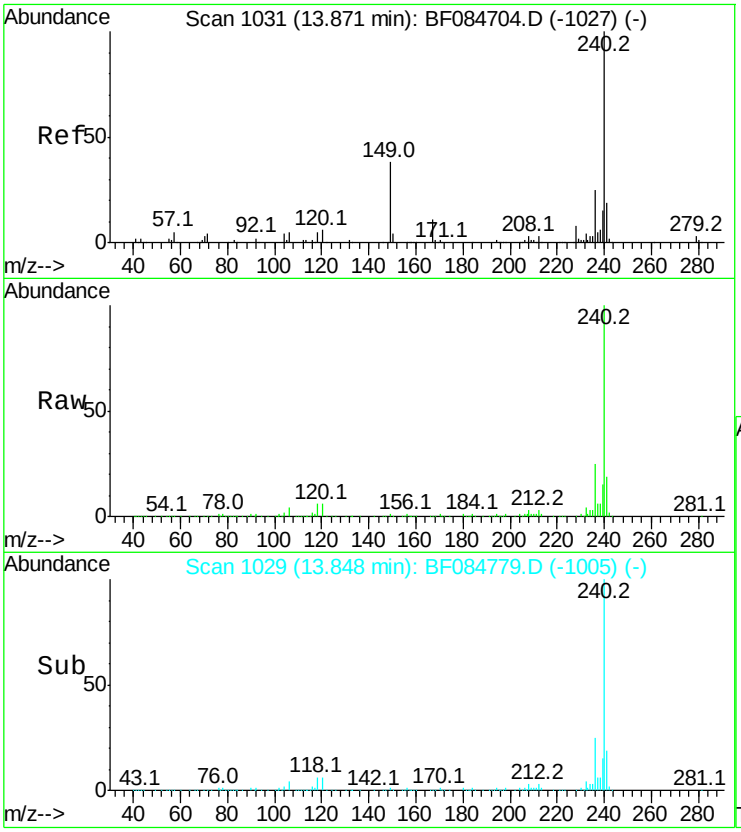


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 798
Delta R.T. -0.03 min
Lab File: BF084779.D
Acq: 3 Feb 2016 8:03

Tgt Ion:188 Resp: 693379

Ion	Ratio	Lower	Upper
188	100		
94	12.4	9.0	13.4
80	13.2	9.6	14.4



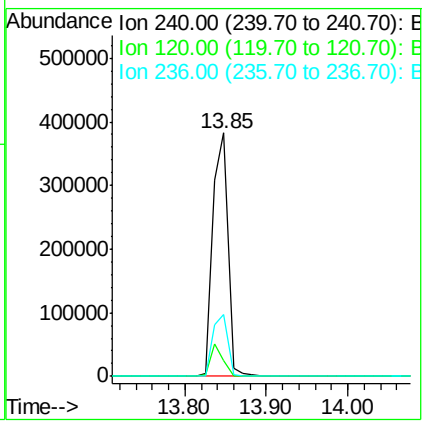


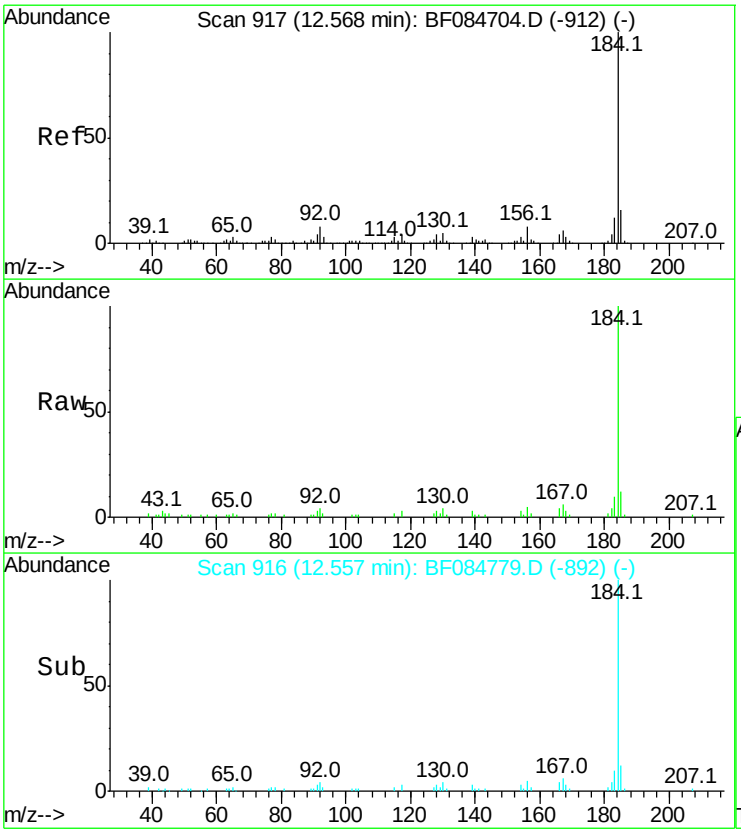
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BF084779.D
Acq: 3 Feb 2016 8:03

Instrument :
BNA_F
ClientSampleId :
HSR-WC-24-012916

Tgt Ion:240 Resp: 493439

Ion	Ratio	Lower	Upper
240	100		
120	6.3	9.5	14.3#
236	25.3	20.6	31.0

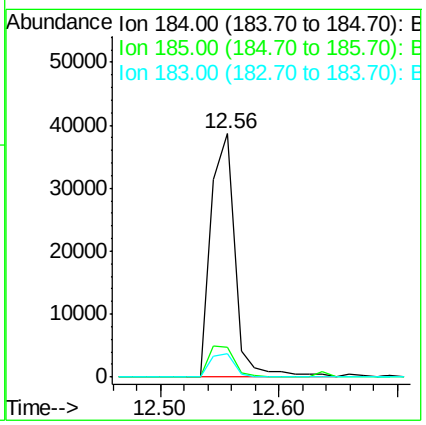


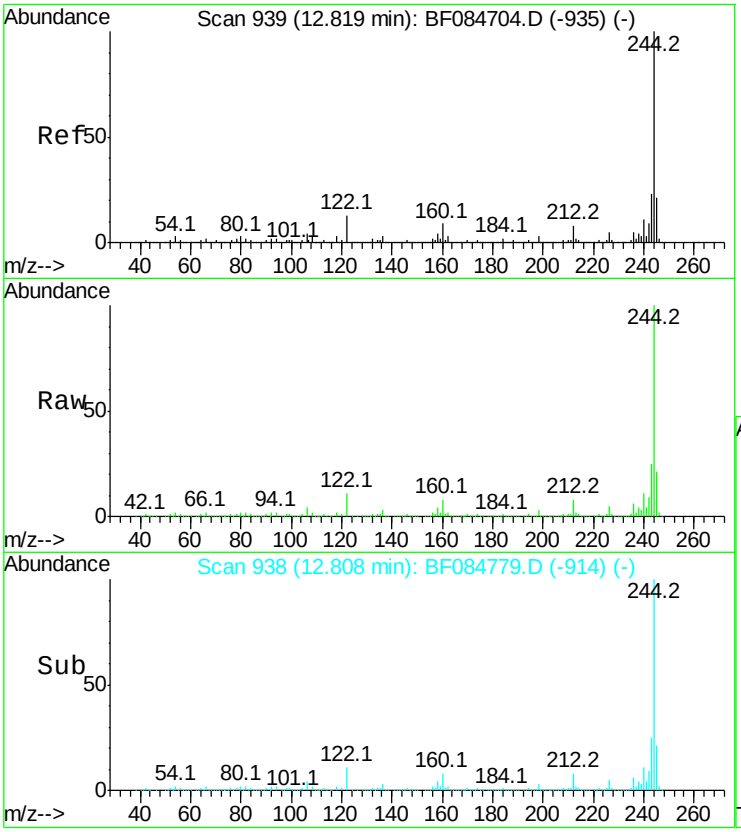


#76
Benzidine
Concen: 8.96 ng
RT: 12.56 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF084779.D
Acq: 3 Feb 2016 8:03

Tgt Ion:184 Resp: 53929

Ion	Ratio	Lower	Upper
184	100		
185	12.1	12.2	18.2#
183	9.7	9.8	14.8#



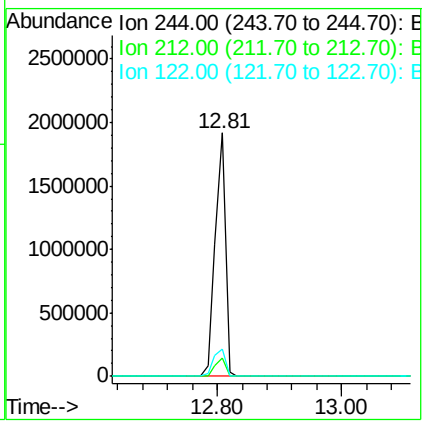


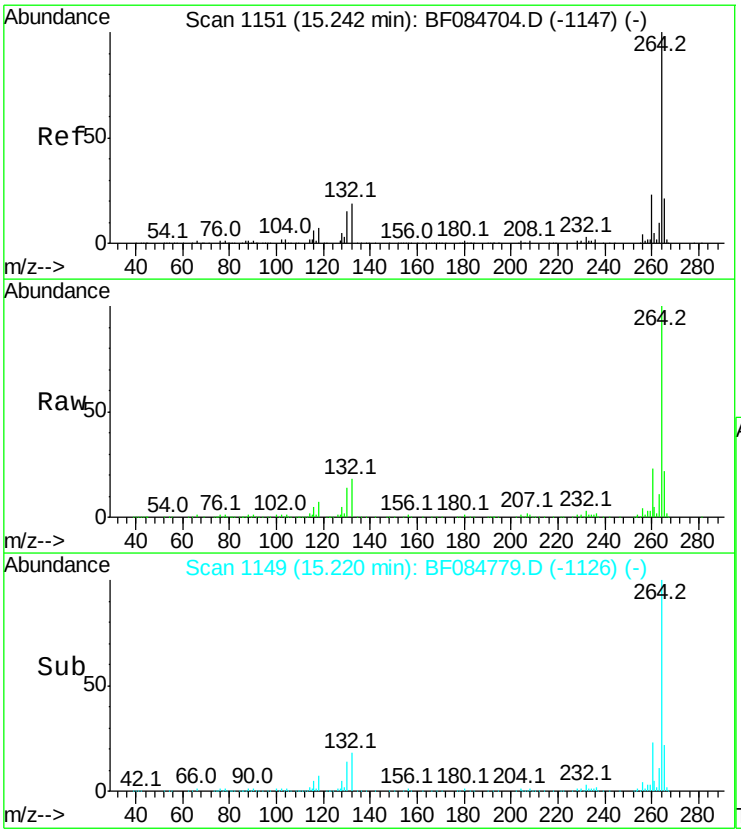
#78
Terphenyl-d14
Concen: 97.27 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.02 min
Lab File: BF084779.D
Acq: 3 Feb 2016 8:03

Instrument :
BNA_F
ClientSampleId :
HSR-WC-24-012916

Tgt Ion:244 Resp: 2118160

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.7	8.5
122	11.3	7.4	11.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.03 min
Lab File: BF084779.D
Acq: 3 Feb 2016 8:03

Tgt Ion:264 Resp: 364033

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.6	17.8	26.6